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WAR DEPARTMENT,
OFFICE OF THE CHIEF SIGNAL OFFICER OF THE ARMY OF THE UNITED STATES.

BULLETIN

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National Oceanic & Atmospheric Administration
U.S. Dept. of Commerce

INTERNATIONAL METEOROLOGY

FOR THE MONTH OF MARCH, 1884.

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WEATHER BUREAU

PRINTED FOR EXCHANGE WITH CO-OPERATING OBSERVERS.

WASHINGTON, D. C.
APRIL, 1885.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 1, 1884.

7 A. M., Washington Mean Time.

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.87	758.8	65.1	18.4	72	se.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair..	Roxiere.
Algiers	.....	.....	29.77	756.1	54.7	12.6	89	se.	.....	.....	1	.....	10	.....	.....	0.307	7.8	covered	Thève.
La Calle	.....	.....	29.74	755.4	62.6	17.0	88	wsw.	.....	.....	2	.....	4	.....	.....	0.059	1.5	cloudy.....	Fonfrède.
Tunis	.....	.....	29.78	756.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.93	760.2	48.9	9.4	46	nw.	.....	.....	3	.....	3	.....	.....	0	0	pretty fair..	Forfert.
Laghouat	.....	.....	29.95	760.8	67.6	19.8	.....	se.	.....	.....	0	.....	0	.....	.....	0	0	clear..	Abraham.
Biskra	.....	.....	29.89	759.2	61.2	16.2	63	nw.	.....	.....	4	.....	6	.....	.....	0.118	3.0	cloudy.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.09	764.3	63.8	17.7	68	sw.	8	3.6	.....	.....	1 k	.....	.....	0	0	fine.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.52	749.8	29.70	754.4	58	14.4	69	nw.	10	4.5	.....	.....	4	.....	W.	0	0	fair.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.85	758 2	29.95	760.7	60.3	15.7	82	se.	5	2.2	.....	.....	1	.....	.....	0	0	fine.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.37	746.0	29.95	760.6	34.3	1.3	71	ne.	.....	.....	3	.....	10	.....	.....	0.654	16.6	....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.30	744.2	30.10	764.4	36.7	2.6	80	e	12.5	5.6	.....	.....	10	.....	.....	0	0	....	Dr. Wierzbiski
Eperies	29.16	740.6	30.06	763.6	38.5	3.6	69	calm	.....	.....	0	cs	5 s	.....	.....	0.031	0.8	.....	Julius Mikolik.
Gratz	28 73	729 8	30.03	762.8	34.9	1.6	84	se.	.....	.....	2	.....	10	.....	.....	0.067	1.7	.....	Andreas Rospini.
Hermannstadt	28.56	725.4	30.04	763.1	36.0	2.2	68	se.	.....	.....	3	.....	4	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmünster, Obs'y	28 50	724.0	29.89	759.3	35.2	1.9	82	e.	.....	.....	1	.....	10	.....	.....	0	0	cloudy.....	The Staff.
Lemberg	29.10	739.0	30.14	765.5	30.6	— 0.8	71	e.	.....	.....	1	.....	10	.....	.....	imap.	imap.	.....	Dr. T. Stanecki.
Pola	29.65	753.1	29.76	756.0	45.1	7.3	94	e.	.....	.....	5	.....	10	.....	.....	0.732	18.6	.....	I. R. Hydrographic Office.
Szathmar	29.56	750.8	30.04	763.0	38.5	3.6	65	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.70	754 3	29.98	761.6	47.1	8.4	52	ne.	.....	.....	1	.....	4	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.74	755.4	29.84	757 9	40.6	4.8	79	e.	.....	.....	5	.....	10	.....	.....	0.283	7.2	raining.....	Royal Academy.
Vienna	29.30	744.1	30.04	763.1	33.8	1.0	85	se.	.....	.....	3	.....	10	.....	.....	0.051	1.3	snowing.....	I. R. Central Met. Obs'v.
BELGIAN.																			
Arlon	28.48	723.4	29 90	759.4	37.4	3.0	76	e.	.....	.....	0–1	.....	1	.....	.....	0	0	.....	
Brussels	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	
Furnes	29.96	761.0	29.98	761.5	39.2	4.0	70	e.	.....	.....	0–1	.....	4	.....	.....	0	0	.....	
Maeseyck	29.85	758.1	29.97	761.3	35.8	2.1	71	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.95	760 7	30.06	763.5	36.3	2.4	87	s.	14	6.3	.....	.....	10	.....	.....	0.010	0.3	overcast.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.04	763.0	37.2	2.9	78	se.	15	6.7	.....	.....	9	.....	.....	.....	.....	d. clouds....	John Hartnup.
Bolton, Sharples	29.49	749.0	30.04	763.0	36.7	2.6	76	sse.	12	5.4	.....	.....	10	.....	.....	.....	.....	misty.....	Thomas Mackereth.
Bradford, Yorkshire	29.65	753.1	30.04	763.0	37.3	2.9	72	se.	.....	.....	1	.....	10	.....	.....	0.01	0.3	overcast.	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.98	761.5	30.02	762 5	78	25.6	69	e.	.....	.....	2	.....	7†	.....	.....	.....	.....	overcast?....	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	36.7	2.6	71	e.	.....	.....	0.6	.....	5	.....	.....	.....	.....	d. clouds....	John McLaren.
Chatham, School M. E	29.86	758.4	30.03	762.7	41.1	5.1	67	n.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.74	755.4	29.97	761.2	43.7	6.5	76	se.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Fort Napier, Natal	27 50	698.5	29.81	757.2	83.5	28.6	62	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky.....	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.80	756.9	29.84	757.9	46	7.8	84	s.	.....	.....	1	.....	8	.....	.....	0	0	gloomy.....	Wm. Ryan.
Gibraltar, Mediterranean	29.82	757.4	29.92	760.0	61.2	16.2	88	w.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.86	758.4	30.04	763.0	39.9	4.4	56	nne.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky.....	The Staff.
Guernsey	29.74	755.4	30.04	763.0	41.0	5.0	74	e.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds....	A. Collenette, F.R.M.S
Kew, Observatory	30.01	702.2	30.04	763 0	38.6	3.7	55	ne.	9	4.0	.....	.....	2	.....	.....	.....	.....	misty.....	The Staff.
Leicester, Museum	29.79	756.7	30.05	763.3	41.0	5.0	57	ne.	.....	.....	1	.....	4	.....	.....	0	0	blue sky.....	J. C. Smith.
Malta, Mediterranean	29.61	752.1	29.68	753.9	64.8	18.2	74	sw.	.....	.....	2	.....	10	.....	.....	blank	blank	overcast.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.86	758.4	29.91	759.7	65.0	18.3	94	n.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.81	757.2	30.04	763.0	39.9	4.4	65	ene.	.....	.....	2	.....	8	.....	.....	.....	.....	overcast.....	The Staff.
Plymouth	29.89	759.2	29.97	761.2	43.9	6.6	78	se.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast.....	John Merrifield.
Sandwick Manse, Orkneys	29.85	758.2	29.96	751.0	37	2.8	88	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	showery.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.99	761.7	30.06	763.5	51.8	11.0	76	s.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.79	756.7	30.08	764.0	40.7	4.8	61	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds....	W. F. Cooper.
Siloth Rectory	29.98	761.5	30.02	762.5	39.5	4.2	87	s.	.....	.....	1	.....	7	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.06	763.5	37.2	2.9	76	e.	3	1.3	.....	.....	10	.....	.....	0	0	misty.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	42.3	5.7	68	ne.	.....	.....	1.0	.....	3	.....	.....	.....	.....	blue sky.....	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.82	757.4	29.85	758.2	49.0	9.8	93	ese.	20	8.9	.....	.....	10	.....	.....	.....	.....	raining.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.34	745.2	29.73	755.1	62.6	17.0	76	sw.	6.2	2.8	.....	.....	10 n	.....	.....	0	0	misty.....	Rev Jos. Micali, S.J.
Hong Kong Obs'y, China	29.98	761.5	30.10	764.5	61.9	16.6	87	ese.	12	5.4	.....	2 k	.....	w.	.....	0	0	clear.....	The Staff.
CANADIAN.																			
Bathurst, N. B	29.15	740 4	29.19	741.4	23.0	— 5.0	.....	w.	7.5	3.4	.....	.....	10 n	.....	.....	0.12	3.0	d. clouds ..	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.11	739.4	29.16	740.7	10	—12.2	100	w.	11	4.9	.....	.....	10 n	.....	.....	0.310	7.9	light snow..	H. J. Cundall, C. E.
Chatham, N. B*	29.09	738.9	29.15	740.4	14	—10.0	87	sw.	10	4.5	.....	.....	10 n	.....	.....	0.41	10.4	cloudy.....	G. A. Blair.
Cornwall, Ontario	29.52	749.8	29.74	755.4	— 2.0	—18.9	100	nw.	.....	.....	2	.....	10 s	.....	.....	0.200	5.1	d. clouds....	Jas. Smith, M. A.
Dalhousie, N. B	29.12	739.6	29.18	741 2	12.0	—11.1	.....	w.	.....	.....	3	.....	10 ks	.....	.....	0.200	5.1	snowing.....	H. A. Johnson.
Father Point, Quebec*	29 24	742 7	29.27	743.4	4	—15.6	72	w.	35	15.6	.....	.....	10 n	.....	.....	0.50	12.7	heavy snow	J. McWilliams
Fort Garry, Manitoba*	29.16	740 7	30.09	764 3	2	—19.7	100	n.	12	5.4	.....	.....	10 n	.....	.....	0.12	3.0	fair..... ..	James Stewart.
Fredericton, N. B	29.29	744.0	29.36	745.7	5.1	—14.9	73	nw.	15	6.7	.....	.....	10 s	.....	.....	0.100	2.5	overcast.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.37	740.0	29.43	747.5	6	—14.4	76	w.	19	8.5	.....	8 ck	0	w.	.....	0.10	2.5	hazy.....	J. Chipman Seeley
Granton, Ontario	28.71	729.2	29.98	761.5	—15.9	—26.6	89	calm	0	0	.....	3 cs	0	W.	.....	0	0	blue sky.....	Jas. Grant.
Halifax, N. S*	29.20	741.7	29.33	745.0	13	—10.6	83	w.	12	5.4	.....	5 k	0	nw.	.....	imap.	imap.	fair.....	A. Allison.
Hamilton, Ontario	29.40	740.7	29.84	757.9	1.6	—16.9	84	sw.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	Geo. Dickson, B. A.
Kingston, Ontario*	29.49	749.0	29.83	757.7	— 6	—21.1	75	w.	2	0.9	.....	0	0	.....	.....	imap.	imap.	clear.....	A. P. Knight, M. A.
Little Glace Bay, N. S	29.04	737 6	29.68	738.6	19.0	— 7.2	85	w.	6	2.7	.....	5 k	0	.....	.....	0	0	fair.....	G. H. Rigby.
London, Ontario	28 90	734.0	29.95	760.7	—17.7	—27.6	94	calm	.....	.....	0	0	0	.....	.....	0	0	misty.....	E. B. Reed.
Medicine Hat, N. W. T	27.69	703.3	30.08	764.0	20	— 3.3	90	s.	20	8.9	.....	0	0	.....	.....	0	0	clear..	John Ewart.
Minnedosa, N. W. T	27.98	710.7	30.14	765.5	— 5	—20.6	100	w.	4	1.8	.....	0	2 s	.....	W.	0.07	1.8	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	29.48	748.8	29.70	754.4	0	—17.8	79	w.	26	11.6	.....	5 cs	5 s	.....	.....	0.09	2.3	cloudy.....	C. H. McLeod, C. E.
Ottawa, Ontario	29.53	750.0	29.78	756.4	— 3.4	—19.7	90	w.	.....	.....	.....	0	0	.....	.....	0	0	blue sky.....	A. McGill, M. A.
Parry Sound, Ontario*	29.09	738.9	29.92	760.0	—25	—31.7	76	calm	0	0	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.00	738.1	29.89	759.2	— 8.3	—22.4	83	w.	.....	.....	1	2 c	0	W.	.....	0	0	blue sky.....	Wm. O'Connor, M.A.
Port Arthur	29.21	741.9	30.03	762.7	—19	—28.3	100	w.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.14	740.1	29.92	760.0	— 5	—20.6	100	w.	2	0.9	.....	10 k	0	.....	.....	0	0	cloudy.....	H. Morgan.
Port Stanley, Ontario	29.19	741.4	29.94	760.5	—10	—26.7	100	n.	1	0.4	.....	0	2 k	.....	n.	0	0	clear.....	M. Payne.
Qu Appelle, N. W. T	27 50	700.0	30.00	762 0	10	—12.2	.....	sw.	8	3.6	.....	10 cs	c	calm	.....	0	0	cloudy.....	Leslie Gordon.
Quebec, Quebec*	29.13	739.9	29.52	749.8	— 1	—18.3	83	w.	16	7.2	.....	.....	10 s	.....	W.	0.60	15.2	cloudy.....	Capt. Asne, R. N.
Rockliffe, Ontario	29.31	744.5	29.85	758.2	—18	—27.8	68	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	W. H. McIntyre.
St. Andrews, N. B	29.34	745 2	29.39	746.5	6	—14.4	98	nw.	10	4.5	.....	0	0	.....	.....	0.12	3.0	clear.....	
St. John, N. B	29.24	742.7	29.39	746 5	6.5	—14.2	67	w.	16	7.2	.....	.....	10 n	.....	.....	0.050	1.3	snowing....	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.02	737.0	24.8	— 4 0	.....	w.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	The Commander.
Saugeen, Ontario*	29.08	738.6	29.91	759.7	—15	—26.1	55	calm	0	0	.....	0	0	.....	.....	0.05	1.3	clear.....	
Stratford, Ontario	28.51	724.1	30.01	762.0	—19.3	—28.5	67	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	28.97	735.8	29.04	737.6	16	— 8.9	96	sw.	30	13.4	.....	.....	10 n	.....	.....	0.02	0.5	light snow...	T. C. Hill, C. E.
Toronto, Ontario*	29.50	749 3	29.93	760.2	— 3	—19.4	91	w.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	Magnetic Observatory.
Woodstock, Ontario	28 75	730 2	29.99	761.7	—16.2	—26.8	58	sw.	1	0.4	.....	9 cs	0	.....	.....	0	0	foggy.....	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.35	745.5	29.42	747 3	17	— 8.3	70	nw.	22	9.8	.....	.....	10 n	.....	.....	0.35	8.9	light snow...	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.97	761.2	30.00	762.0	70.0	21.1	97	ne.	.....	.....	.....	.....	8 ks	.....	.....	0.010	0.3	cloudy.....	I. Garfelt.
Cape Town, The Castle	29.73	755.1	.....	...	86.0	30.0	36	se.	.....	.....	.....	0	0	.....	.....	0	0	.....	Capt. R. Gardner Warton
Springbok Fontein	27.87	707.9	.....	.....	81	27.2	53	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	29.55	750.5	29.65	753.2	57.2	14.0	95	e.	.....	.....	1	.....	2 n	.....	sw.	0	0	.....	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	63.0	17.2	81	s.	.....	.....	5	0	.....	.....	.....	0	0	clear.....	Leon Herrera.
Valparaiso	29.82	757 5	29.97	761.1	59.9	15.5	89	n.	.....	.....	1	2 ck	3	.....	.....	.....	.....	fair.....	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.15	765.7	30.17	766.3	48.7	9.3	96	e.	15.0	6.7	.....	.....	10 n	.....	.....	0.106	2.7	covered.....	M. Marc Dechevrens, S. J
DANISH.																			
Copenhagen	30.21	767.2	30.25	768.4	34.7	1.5	82	se.	27	12.	.....	.....	10	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	30.17	766.2	30.19	766.7	36.7	2.6	84	ene.	.....	.....	6	.....	10	.....	.....	.....	.....	.....	Overlœrer Lauridsen.
Godthaab, Greenland	28.98	736 2	29.03	737.3	3.6	—15.8	100	ne.	.....	.....	4	.....	2	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Gree land	28.67	728.3	28 69	728.8	14.5	— 9.7	.....	calm	.....	.....	0	.....	5	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.50	749.3	29.54	750 4	38.7	3.7	80	se.	.....	.....	6	.....	10	.....	.....	.....	.....	raining	A. O. Thoriacius.
Thorshavn	30.02	762.6	30.05	763.2	42.8	6.0	59	se.	16	7.	.....	.....	5	.....	.....	.....	.....	.....	Overlœrer Bergh.
Upernaavik, Greenland	29.44	747.8	29.49	749.0	—22.2	—30.1	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	
Vestervig	30.14	765.5	30.23	767 8	33.3	0.7	85	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	Lœrer Oesterbol.
EGYPTIAN.																			
Cairo	29.95	760.7	.....	.....	68.4	20.2	.....	ne.	2.0	0.9	.....	.....	0	.....	.....	0	0	.....	Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.28	743.6	29.89	759.3	50.0	10	74	nw.	.....	.....	1	.....	1 k	.....	.....	0	0	.....	M. Labroue, Director.
Alençon, Normal School	29.39	746.5	29.94	760 5	37.4	3.	79	n.	.....	.....	1	.....	n	.....	s.	0	0	clear.....	M. Nicot, Director.
Arras, Normal School	29.70	754.3	29.95	760.6	37.9	3.3	85	e.	.....	.....	1	.....	1	.....	ne.	0	0	clear.....	**M. Ungerer, Director.**
Avignon, Normal School	29.67	753.7	29.75	755.7	55.0	12.8	52	nnw.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	M. Giraud, Director.
Bar-sur-Seine	29.37	746.1	29.95	760.7	39.7	4.3	69	e.	.....	.....	1	.....	5	.....	ene.	0	0	cloudy.....	M. Saillard, Director.
Beauvais, Normal School	29.74	755.3	30.05	763.3	36.9	2.7	58	ne.	.....	.....	2	.....	2	.....	ne.	0	0	slightly cl'dy	M. Frère Eugène Marie.
Besançon, Normal School	28.84	732.6	29.74	755.3	45.7	7.6	83	ne.	.....	.....	1	.....	cn	.....	se.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.63	752.7	29.89	759 3	51.8	11.0	64	nnw.	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.31	744.4	29.87	758 7	43.9	6.6	94	n.	.....	.....	2	.....	2	.....	n.	0	0	slightly cl'dy	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.76	756.0	30.01	762.2	52.5	11.4	65	ese.	.....	.....	1	.....	3	.....	ese.	inap.	inap.	.....	M. de Kermarec, Dir.
Caen, Normal School	29.93	760.1	30.00	762.0	43.5	6.4	94	ne.	.....	.....	1	.....	2	.....	n.	0	0	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l	29.64	752.8	29.97	761.2	40.6	4.8	63	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	M. Jadot, Director.
Charleville, Normal School	29.40	746.8	29.93	760.1	42.8	6.0	80	ene.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.50	723.9	29.87	758 7	47.8	8.8	68	ne.	.....	.....	1	.....	5	.....	n.	0	0	.....	M. Alluard, Director.
Cluny, Normal School	29.04	737.5	29.93	760.1	37.8	3.2	82	n.	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. de Villemontée, Dir.
Commercy, Normal School	29.07	738.4	29.97	761 1	35.4	1.9	68	ene.	.....	.....	1	.....	5 kn	ene.	ene.	0	0	cloudy.....	Dr. Coulet, Director.
Gap, Normal School	27.18	690.4	29.71	754 5	51.8	11.	52	ne.	.....	.....	1	.....	1 kn	.....	.....	0	0	.....	M. Jarach, Director.
Grénasque, du Rhone	28.60	726.4	29.72	754.8	53.8	12.1	68	se.	.....	.....	4	.....	7	.....	se.	0.12	3.	.....	M. Kina, Director.
Grenoble, Normal School	29.03	737.3	29.84	757 9	45.0	7.2	74	nw.	.....	.....	8	.....	k	.....	n.	0	0	.....	M. Allard, Director.
Guéret, Normal School	28.32	719 2	29.93	760.3	41.0	5.	39	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	M. Delorme, Dir.
Lamballe Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**M. Polipre, Dir.**
Lescar, Normal School	29.31	744.5	29.87	758 7	59.0	15.0	53	nw.	.....	.....	1	.....	k	.....	.....	0.228	5.8	.....	M. Chanvin, Director.
Lorient, Naval Observatory	29.88	759.0	29.98	761.6	51.4	10.8	54	se.	.....	.....	1	.....	5	.....	se.	0	0	½ covered...	**L. T. Carre, Director.**
Lyon, St. Genis-Laval	28.83	732.2	29.92	759.9	37.4	3.0	85	n.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	M. André, Director.
Mans, Normal School	29.67	753.5	29.98	761.6	38.8	3.8	70	ne.	.....	.....	1	.....	5 s	.....	ne.	0	0	cloudy.....	M. Richard, Director
Marseille, Observatory	29.46	748 3	29.73	755.1	55.6	13.1	64	wsw.	.....	.....	1	.....	5	.....	wsw.	0.055	1.4	.....	M. Stephan, Director.
Montlouis	24.58	624.2	29.42	747.2	41.0	5.0	59	n.	9.4	4.2	.....	.....	0	.....	.....	0	0	slightly cl'dy	M. Cave for Dr. Fines.
Montpellier, Normal School	29.61	752.1	29.72	754.9	58.6	14.8	70	n.	.....	.....	2	.....	2	e.	.....	0	0	.....	M. Galzin, Director.
Nancy, Normal School	29.13	739.9	29.95	760.7	37.0	2.8	63	nw.	.....	.....	1	.....	kn	.....	e.	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	29.83	757.7	30.00	761.9	45.1	7.3	64	e.	.....	.....	0-1	c	5k;kn	.....	ne.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29 67	753.6	29.78	756.4	58.3	14.6	51	nw.	15.0	6.7	.....	.....	5	.....	n.	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20.97	532.7	.....	.....	18.9	— 7.3	.....	ne.	.....	.....	1	.....	0	.....	.....	0.339	8.6	clear.....	M. Vaussenat, Director.
Privas, Normal School	28.74	729.9	29.80	757.0	50.7	10.4	65	nw.	.....	.....	1	.....	1	.....	nw.	0	0	clear.....	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.93	633.2	.....	.....	30.2	— 1.0	55	nne.	.....	.....	2	.....	2	.....	.....	0	0	.....	M. Alluard.
Rochefort, Naval Obs'y	29.90	759.5	29.93	760.3	49.6	9.8	50	ne.	.....	.....	2	.....	0	.....	.....	0	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.74	755 4	29.96	761 0	46.8	8.2	65	e.	.....	.....	1	.....	.....	.....	n.	0	0	.....	M. Brotlier, Director.
Rodez, Normal School	27.71	703 8	29.87	758.8	49.5	9.7	64	e.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	M. Seger, Director.
Rouen, Normal School	29.98	761.6	30.03	762 8	41.4	5.2	78	e.	.....	.....	1	.....	5	.....	e.	0	0	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.82	757.5	29.99	761.7	39.6	4.2	57	ne.	.....	.....	2	.....	5	wnw.	n.	0	0	.....	M. Renou, Director.
Toulouse, Observatory	29.17	740.8	29.89	759.1	53.2	11.8	80	nw.	.....	.....	2	.....	5	nw.	.....	0.079	2.0	cloudy.....	M. Baillaud, Director.
Tours	29.78	756.4	29.96	761.0	44.6	7.0	60	nne.	.....	.....	1	.....	2	s.	.....	0	0	slightly cl'dy	M. de Tastes.
Versailles, Observatory	29.49	749.0	29.98	761.6	37.4	3.0	52	e.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.76	756.0	29.91	759.8	58.1	14.5	67	w.	9.8	4.4	.....	.....	3 k	.....	nw.	0.004	0.1	.....	M. Cartier, Director.
GERMAN.																			
Ansbach	28.42	721.9	29.93	760.2	34.2	1.2	75	ne.	.....	.....	2	.....	10	ne.	.....	0.016	0.4	.....	Prof. Juedt.
Bamberg	29.06	738.2	29.91	759.6	37.9	3.3	66	ne.	.....	.....	2	.....	7 ks	.....	.....	0.008	0.2	.....	Prof. Dr. Hoh.
Berlin	29.95	760.6	30.10	764.4	38.5	3.6	67	e.	.....	.....	2	.....	8	.....	.....	0	0	.....	Meteorological Institute
Breslau	29.58	751.3	30.11	764.8	38.3	3.5	65	ese.	.....	.....	2	.....	10	.....	.....	0	0	.....	Royal University Obs'y
Carlsruhe	29.47	748.4	29.94	760.5	38.8	3.8	77	ne.	.....	.....	1	.....	10	ne	.....	0	0	.....	Albert Senz.
Cassel	29.23	742.4	29.94	760.5	36.7	2.6	82	ese.	.....	.....	2	.....	6	se.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.56	750.8	29.93	760.3	40.3	4.6	65	nne.	.....	.....	1	.....	4	.....	.....	0.043	1.1	.....	Physical Society.
Friedrichshafen	28.43	722.1	29.89	759.2	37.8	3.2	85	n.	.....	.....	3	.....	10	e.	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	30.02	762.6	30.11	764.9	35.6	2.0	82	ese.	.....	.....	4	.....	10	.....	.....	0.012	0.3	foggy	E. Preller.
Kiel	30.13	765 3	30.15	765.7	36.5	2.5	76	ene.	.....	.....	2	.....	10	.....	.....	0	0	.....	Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.58	751.2	30.01	762.3	36 7	2.6	75	ese.	.....	.....	3	.....	2	se.	.....	0.047	1.2	foggy	H. Leppig, Asst.
Magdeburg	29.84	757.8	30.03	762.8	37.9	3.3	88	ene.	.....	.....	2	.....	10	.....	.....	0.024	0.6	clear.....	Weather Observatory.
Memel	30.30	769.5	30.34	770.7	33.1	0.6	56	e.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	Isermann.
Munich	28.02	711.7	29.87	758.7	35.4	1.9	72	calm	.....	.....	0	.....	10	n.	.....	0.094	2.4	.....	Central Station.
Neufahrwasser	30.24	768.2	30.26	768.6	32.0	0.0	90	ne.	.....	.....	2	.....	7	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.35	745.6	29.88	758.9	42.3	5.7	66	ne.	.....	.....	2	.....	5	ne.	.....	0	0	.....	Prof. Dicknether.
Stuttgart	28.91	734 2	29.83	757.6	30.5	2.5	82	n.	.....	.....	1	.....	10	.....	.....	0	0	foggy.....	Prof. Dr. Schoder.
Wustrow	30.17	766.3	30.19	766.9	34.9	1.6	89	e.	.....	.....	3	.....	10 s	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.68	753.8	30.06	763.6	59.7	15.4	.....	e.	.....	.....	0.5	8	0	.....	.....	0.01	0.3	.....	Kokkides & Wouritsch.
INDIAN.																			
Kurrachee	29.87	758.7	29.92	760.0	77.9	25.5	75	sw.	25.0	11.2	.....	.....	1	.....	.....	0	0	d. clouds	
Deesa	29.40	746.6	29.86	758 5	89.8	32.1	6	nw.	10.0	4.5	.....	.....	1	sw.	.....	0	0	d. clouds	
Bombay	29.81	757.2	29.85	758 2	80.9	27.2	66	nw.	15.0	6.7	.....	.....	0	.....	.....	0	0	blue sky.....	
Poona, Yarrowda	27.99	710.9	29.80	756.8	93.3	34.1	15	sw.	9.0	4.0	.....	.....	0	.....	.....	0	0	blue sky.....	
Belgaum	27.30	693.5	29.70	754.4	84.5	29.2	50	wsw.	8.0	3.6	.....	.....	2	e.	s.	0	0	d. clouds	
Lahore	29.14	740.3	29.90	759.4	72.8	22.7	39	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky.....	
Roorkee	28.93	734.9	29.84	758.0	73.7	23.2	23	w.	4.0	1.8	.....	.....	4	w.	.....	0	0	d. clouds.....	
Agra	29.29	744.0	29.86	758.5	79.2	26.2	20	w.	6.0	2.7	.....	.....	3	.....	w.	0	0	d. clouds	
Nagpur	28.76	730 5	29.78	756.3	92.5	33.6	17	wnw.	8.0	3.6	.....	.....	0	.....	.....	0	0	blue sky.....	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Jubbulpore	28.51	724.1	29.86	758.5	81.8	27.7	23	n.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Lucknow	29.46	748.2	29.84	757.8	76.2	24.6	20	wsw.	5.0	2.2	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.54	750.2	29.85	758.2	78.5	25.8	30	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.60	751.8	29.75	756.5	79.6	26.4	18	nw.	6.2	2.8	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.82	706.6	29.85	758 2	73.1	22.8	21	w.	8.0	3.6	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.74	755.2	29.82	757.4	84.6	29.2	66	ssw.	5.0	2.2	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29.78	756.3	29.80	756.8	84.4	29.1	56	s.	5.0	2.2	.....	.....	0	.....	.....	0	0	blue sky	
Dhubri	29.64	752.7	29.76	755.8	77.9	25.5	27	calm	0.5	0.2	.....	.....	0	.....	.....	0	0	blue sky	
Chittagong	29.81	757.1	29.90	759 4	75.2	24.0	80	s.	7.8	3.5	.....	.....	2	.....	.....	0	0	d. clouds	
Sibsagar	29.46	748.4	29.81	752.2	65.1	18.4	88	ne.	2.0	0.9	.....	.....	10	W.	W.	0.38	9.6	overcast	
Jeypore	28.45	722.5	29.89	759.3	79.3	26.3	14	nw.	5.8	2.6	.....	.....	2	nw	.....	0	0	blue sky	
Zanzibar	29.86	758 3	29.88	758.9	87.7	30.9	60	e.	8.0	3.6	.....	.....	2	.....	ene.	0	0	d. clouds	
Bellary	28.33	719.6	.....	.....	93.5	34.2	22	n.	6	2.7	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.59	751.6	.....	.....	88.5	31.4	36	e.	0.2	0.1	.....	0	0	.....	.....	0	0	blue sky	
ITALIAN.																			
Udine	29.45	748.0	29.87	758.6	41.4	5.2	83	ne.	9.8	4.4	.....	.....	10	.....	.....	0.327	8.3	.....	Prof. Giovanni Olodig.
Milan	29.30	744.2	29.83	757.6	47.1	8.4	68	ne.	5.6	2.5	.....	.....	7	ese.	.....	0.020	0.5	.....	Prof. G.V.Schiapparelli
Padua	29.71	754.5	29.82	757.4	43.3	6.3	91	ene.	16.8	7.5	.....	.....	10	e.	.....	0.327	8.3	.....	Prof. Pott. Lorenzoni.
Moncalieri	28.91	734 4	29.83	757.6	50.0	10.0	62	s.	2.5	1.1	.....	.....	6	ne.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.52	749.7	29.71	754.6	48.6	9.2	64	n.	13.0	5.8	.....	.....	10	s.	.....	0.106	2.7	.....	Prof. G. M. Garibaldi.
Pesaro	29.71	754.5	29.76	755.8	48.4	9.1	92	nw.	6.3	2.8	.....	.....	10	nnw.	.....	0.331	8.4	.....	Prof. Luigi Guidi.
Florence	29.44	747.8	29.70	754.3	46.8	8.2	79	ne.	.....	.....	2	.....	10	.....	.....	0.618	15.7	.....	Prof. Costantino Pittei.
Leghorn	29.53	750.1	29.62	752 3	46.8	8.2	89	ene.	15.4	6.9	.....	.....	10	ene.	.....	0.378	9.6	.....	Prof. P. Monte.
Rome	29.54	750.2	29.71	754.7	58.3	14.6	70	s.	9.4	4.2	.....	.....	9	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	29.61	752.2	29.87	758.7	59.0	15.0	71	sse.	34.2	15.3	.....	.....	8	s.	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	28.94	735.1	29.84	758.0	52.2	11.2	75	sse.	1.8	0.8	.....	.....	9	se.	.....	0.035	0.9	.....	Prof. D. Conti.
Palermo	29.49	749 0	29.74	755 4	55.6	13.1	88	ene.	1.8	0.8	.....	.....	10	.....	.....	0.197	5.0	.....	Prof. G. Cacciatore
Syracuse	29.76	755 9	29.77	756.1	60.8	16.0	64	e.	6.3	2.8	.....	.....	10	sse.	.....	0	0	.....	Sig. V. Giuffrino.
Sub-service.																			
Naples, Astron'l Obs'y	29.28	743.8	.....	.....	51.3	10.7	89	se.	8.7	3.9	.....	.....	10	.....	.....	0.079	2.0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.41	772.5	30.44	773.4	28.0	— 2.2	80	calm	.....	.....	0	.....	10k;ks	.....	nw.	0	0	cloudy	H. Hattori.
Awomori	30.37	771.4	30.41	772.4	29.7	— 1.3	74	ssw.	5.2	2.3	.....	.....	10 s	.....	.....	0	0	overcast	K. Ogawa.
Hakodate	30.39	771.9	30.40	772 2	26.5	— 3.1	75	n.	8.4	3.8	.....	.....	10 n	.....	.....	0	0	covered	Y. Souma.
Hamamatsu	30.22	767.6	30.32	770.1	47.6	8.7	92	calm	.....	.....	0	.....	10 n	.....	.....	0.272	6.9	raining	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.31	769 8	30.33	770.4	44.7	7.1	67	n.	9.3	4.1	.....	1 ck	0	nw.	.....	0	0	clear	Y. Okamoto.
Kagoshima	30.27	768.8	30.28	769.1	53 4	11.9	84	nw.	.....	.....	2	0	8 s	.....	.....	0	0	cloudy	
Kanazawa	30.30	769.6	30.41	772.4	36.6	2.6	86	nw.	2.0	0.9	... .	0	2s;ks	.....	.....	0	0	fair	S. Endo.
Kioto	30.19	766.8	30.36	771.2	36.3	2.4	81	ne.	0.2	0.1	.....	0	0	.....	.....	0	0	clear	M. Tojima.
Kochi	30.28	769.1	30.30	769.6	53.2	11.8	80	w.	1.1	0.4	.....	.....	10 s	.....	.....	0	0	overcast	K. Kusunose.
Miasaka	30.27	769 0	30.30	769.7	49.0	9.4	94	ene.	.....	.....	1	0	0	.....	.....	0	0	clear	K. Masunaki & T. Ishitain.
Miyako	30.27	768.8	30.38	771.6	29.0	— 1.7	64	calm	0	0	.....	0	0	.....	.....	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	30.09	764.3	30.30	769.6	46.7	8.2	81	ne.	2.7	1.2	.....	0	0	.....	.....	0.050	1.3	clear	
Nemuro	30.26	768.6	30.31	769.9	19.0	— 7.2	68	nw.	9.0	4.0	.....	0	4 s	.....	.....	0	0	fair	A Shibuya.
Niigata	30.39	771.9	30.43	772.9	32.6	0.3	71	e.	0.7	0.3	.....	0	0	.....	.....	0	0	clear	Satoo & Tomikawa.
Nobiru	30.35	770 8	30.36	771.2	35.6	0.9	72	nnw.	20.3	9.0	.....	.....	9 s	.....	.....	0	0	cloudy	Yoshino & Midzushina.
Numadzu	30.31	769.9	30.34	770.7	48.8	9.3	74	ese.	.....	.....	4	.....	10 s	.....	.....	0	0	overcast	T. Ohgi.
Osaka	30.35	770.8	30.36	771.2	35.7	1.7	79	ne.	20.3	9.0	.....	0	0	.....	.....	0	0	clear	[illegible] Omura.
Sakai	30.39	771.8	30.40	772.0	42.8	6.0	69	ne.	.....	.....	4	.....	9 ks	.....	e.	0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	30.31	769 8	30.38	771.5	24.0	— 4.4	55	nw.	10.0	4.5	.....	.....	10 n;s	.....	.....	0.112	2.8	covered	S. Kimura.
Shimonoseki	30.19	766.8	30.33	770.5	43.5	6.4	82	e.	.....	.....	1	0	1 s	.....	.....	0	0	clear	S. Sakano
Tokei Obs'y, Yeddo	30.30	769.5	30.37	771.5	43.2	6.2	76	se.	3.5	1.5	.....	0	2 s	.....	.....	0	0	fair	The Staff.
Wakayama	30.28	769.0	30.33	770.4	42.1	5.6	67	ne.	6.9	3.1	.....	0	0	.....	.....	0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.66	753.4	29.85	758.2	82.2	27.9	69	nnw.	8.0	3.6	.....	5c;cs	3k;n	.....	.....	0.13	3.3	cloudy	The Staff.
MEXICAN.																			
Leon	24.23	615.4	30.01	762.2	48.6	9.2	71	nnw.	0.9	0.4	.....	3 c	1 s	.....	.....	0	0	fair	M. Leal & M. Pina
Mazatlan	29 63	752.7	29.89	759.3	66.0	18.9	68	nnw.	1.6	0.8	.....	6 cs	0	W.	.....	0	0	foggy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.01	762.2	30.01	762.2	37.9	3.3	.....	n.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Groningen	30.05	763.3	30.11	764.7	35.6	2.0	.....	e.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	30.03	762.8	30.03	762.8	35.6	2.0	.....	e.	.....	.....	3	.....	.....	.....	.....	0.016	0.4	.....	
Hellevoetsluis	29.99	761.8	29.99	761.8	44.2	6.8	89	ene.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Utrecht	30.00	762.1	30.05	763.3	36.1	2.3	85	ne.	.....	.....	2	.....	10	.....	.....	0.016	0.4	covered	H. van der Brink.
Sub-service.																			
Batavia, Java	29.86	756.5	.....	.....	78.8	26.0	84	w.	0	0	.....	.....	10	.....	.....	0.870	22.1	.....	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.22	767.7	30.29	769.3	37.8	3.2	59	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Brono	30.34	770.7	30.38	771.7	36.0	2.2	47	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Christiania	30.33	770.4	30.49	774.4	22.8	— 5.1	78	ne.	0	0	.....	.....	2	.....	.....	0	0	foggy	
Gjesvær	30.02	762.5	30.04	763.1	39.0	3.9	.....	wsw.	.....	.....	9	.....	10	.....	.....	0.016	0.4	.....	
Lodingen	30.26	768.5	30.30	769.7	30.5	2.5	67	sw.	.....	.....	4	.....	10	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	29.80	757.0	29.89	759.2	60.6	15.9	82	sw.	8.1	3.6	.....	.....	10	.....	.....	0.717	18.2	raining	Capt. D. A. de Cunha.
Lisbon, Observatory	29.66	751.7	29.93	760.3	54.0	12.2	82	nnw.	17.4	7.8	.....	.....	10	.....	.....	0.004	0.1	raining	The Staff.
Ponta Delgada, Azores	29.91	759 7	29.98	761.5	59.4	15.2	60	.....	.....	.....	.....	.....	3	.....	.....	0.157	4.0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.00	762.1	30.04	763 0	69.1	20.6	68	e.	.....	.....	5	.....	3	.....	.....	0	0	.....	
San Salvador, Congo	27.97	710.4	29.70	750.0	86.5	30.3	55	nw.	.....	.....	1	.....	7	.....	.....	0	0	.....	
Serra da Estrella	25.13	638.2	29.88	759.0	43.2	6.2	83	s.	1.3	0.6	.....	.....	5	.....	.....	0.016	0.4	.....	
RUSSIAN.																			
Akmolinski	28.89	733.9	30.11	764.8	— 5.1	—20.6	86	w.	13	6	.....	.....	10 n	.....	.....	0.004	0.1	.....	Major K. Lasarew.
Archangel	30.32	770 2	30.34	770.7	23.7	— 4.6	93	wsw.	4	2	.....	.....	10	.....	.....	0	0	.....	Capt. Sselliwerstow
Ashurada	30.36	771.2	30.27	768.8	53.6	12.0	74	wnw.	4	2	.....	0	2 k	.....	.....	0	0	.....	
Astrakhan	30.48	774.3	30.41	772.3	30.9	— 0.6	83	e.	18	8	.....	.....	10 ks	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.32	770.1	30.27	768.9	46.2	7.9	65	n.	9	4	.....	0	6 ks	.....	.....	0	0	.....	
Barnaul	29.55	750.5	30.10	764.6	2.8	—16.2	62	sw.	9	4	.....	.....	10	.....	.....	0.059	1.5	.....	Meteorological Office.
Bielosersk	30.09	764.2	30.60	777.2	17.1	— 8.3	81	calm	0	0	.....	0	8 ks	.....	.....	0	0	.....	
Dorpat	30.28	769.0	30.54	775.7	22.3	— 5.4	85	ese.	7	3	.....	.....	10 n	.....	.....	0	0	.....	Observatory.
Ekaterinburg	29.08	738.6	30.13	765 2	10.6	—11.9	72	nw.	22	10	.....	0	7 n	.....	.....	.....	.....	snow-drift	Meteorological Obs'y
Elissawetgrad	29.70	754.4	30.17	766.4	33.3	0.7	94	sse.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
Kasan	30.2	767.8	30.52	775.3	16.2	— 8.8	69	sw.	2	1	.....	10c;ck	0	.....	.....	0	0	.....	Observatory.
Kem	30.36	771.2	30.41	772.5	23.4	— 4.8	86	w.	22	10	.....	.....	10 ks	.....	.....	0	0	h'vy clouds	
Kertch	30 13	765.2	30.15	765.8	43.9	6.6	74	se.	4	2	.....	0	2 k	.....	.....	0	0	.....	Lagorio & Sastyrea
Kieff	29.41	747.1	30.08	764.0	32.4	0.2	96	e.	7	3	.....	.....	10 n	.....	.....	0.063	1.6	light rain	Observatory
Kosloy	29.91	759 8	30.46	773.7	18.5	— 7.5	67	ese.	9	4	.....	.....	10 s	.....	.....	0	0	.....	
Lgov	29.72	754 8	30.35	770.8	24.1	— 4.4	82	e.	16	7	.....	.....	10	.....	.....	0.004	0.1	snowing	R. I. Seaweljew, Engin'r.
Libau	30.33	770 3	30.35	770.9	31.8	— 0.1	60	e.	9	4	.....	.....	0	.....	.....	0	0	.....	[illegible]
Lugan	30.03	762.8	30.25	768.3	30.6	— 0.8	86	e.	13	6	.....	.....	10	.....	.....	0.087	2.2	.....	Meteorological Obs'y
Moscow	30.03	762.7	30.56	776.2	15.4	— 9.2	72	calm	0	0	.....	0	1 k	.....	.....	0	0	.....	Meteorological Obs'y
Nertschinsk	27.92	709.1	30.48	774.3	— 1.1	—18.4	74	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Nikolaiev	30.00	762.1	30.08	763.9	43.3	6.3	81	s.	4	2	.....	cs	8 n	.....	.....	0.039	1.0	light clouds	Capt. Kurdakow.

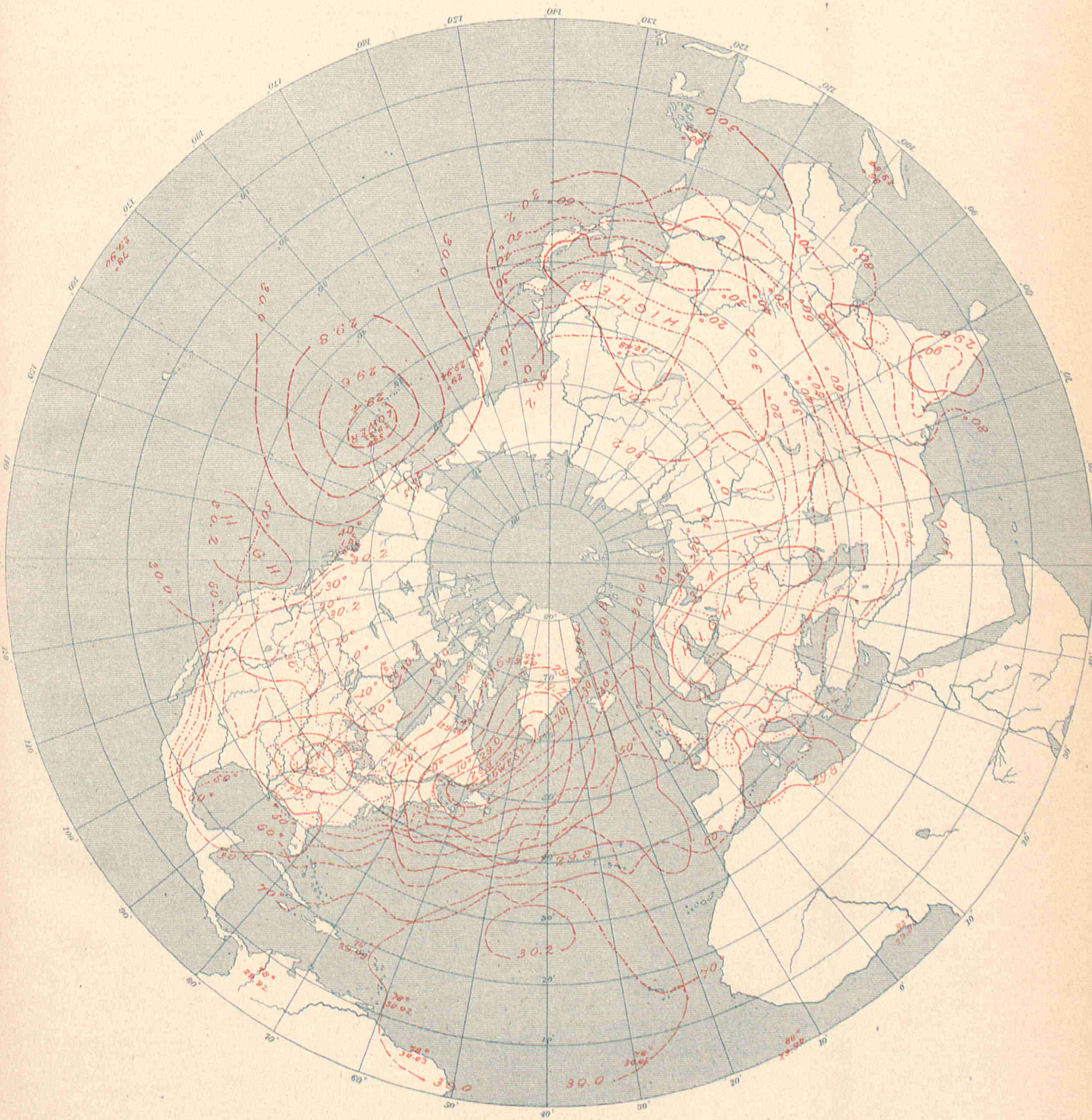
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.14	765.5	30.22	767.7	— 1.7	—18.7	49	nw.	9	4	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.33	770.3	30.47	773.9	29.7	— 1.3	88	calm	0	0	.....	.....	9 n	.....	.....	0.110	2.8	.....	Siang.
Petro-Alexandrovsk	29.89	759.3	30.26	768.6	44.8	7.1	39	n.	3.4	1.5	.....	.....	6 s	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.31	769.9	30.52	775.3	21.9	— 5.6	80	wnw.	6	3	.....	10	.....	.....	.....	.....	.....	.....	
Pinsk	29.70	754.3	30.22	767.7	27.0	— 2.8	94	ene.	34	15	.....	.....	10 s	.....	.....	0	0	light clouds	Dr. Bergmann.
Poti	30.11	764.9	30.15	765.7	54.9	12.7	76	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
St. Petersburg	30.55	775.9	30.57	776.5	18.1	— 7.7	76	se.	2	1	.....	0	0	.....	.....	0	0	.....	
Samarkand	27.63	701.9	30.15	765.8	46.2	7.9	38	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Central Physical Obs'y.
Semipalatinsk	29.47	748.6	30.20	767.1	6.6	—14.1	70	calm	0	0	.....	.....	8	.....	.....	0	0	.....	Dresch.
Sevastopol	29.92	760.0	30.14	765.5	47.8	8.8	51	s.	20	9	.....	0	1 s	.....	.....	0	0	.....	Major Lasarew
Starol Bykhov	29.73	755.2	30.33	770.3	23.0	— 5.0	84	e.	9	4	.....	.....	10	.....	.....	0	0	.....	
Tashkend, Laboratory	28.48	723.4	30.21	767.2	42.3	5.7	57	calm	0	0	.....	.....	0	.....	.....	.....	.....	.....	Carl Hagen.
Tiflis	28.76	730.6	30.20	767.1	52.3	11.3	25	e.	4	2	.....	2 c	0	.....	.....	0	0	.....	Tereh, A. M.
Vernoe	27.48	698.0	30.10	764.6	28.9	— 1.7	73	calm	0	0	.....	4 ck	0	.....	.....	.....	.....	.....	Physical Observatory.
Viatka	29.70	754.3	30.37	771.4	23.0	— 5.0	60	w.	2	1	.....	.....	4	.....	.....	0	0	.....	Larlono.
Vladivostock	30.41	772.3	30.47	774.0	12.7	—10.7	45	n.	22	10	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.76	755.8	30.20	767.1	33.6	0.9	79	e.	9	4	.....	.....	10 ks	.....	.....	.....	.....	.....	
Yeniseisk	29.97	761.3	30.30	769.5	— 4.5	—20.3	75	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Astronomical Obs'y.
Sub-series.																			M. O. Marks.
Petrowsky Academy	29.88	758.9	30.42	772.7	15.2	— 9.3	60	ene.	5.6	2.5	.....	.....	9?	.....	se.	0	0	fair?	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.66	753.4	29.77	756.2	55.9	13.3	76	w.	.....	.....	.....	2 ck	0	.....	.....	0.811	20.6	.....	B. Jelin.
Bilbao, Met. Obs'y	29.87	758.6	29.93	760.1	52.3	11.3	97	nw.	1.8	0.8	.....	.....	10	.....	.....	0.406	10.3	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.95	684.6	29.94	760.4	50.2	10.1	61	n.	4.3	1.9	.....	.....	2	.....	.....	0.098	2.5	light clouds	Domingo Martin.
Madrid, Royal Obs'y	27.66	702.6	29.88	759.0	56.1	13.4	59	s.	4.9	2.2	.....	0	1	.....	.....	0	0	almost clear.	The Staff.
Murcia, Met. Obs'y	29.68	753.8	29.80	756.9	66.0	18.9	56	nw.	4.0	1.8	.....	3	4	e.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.95	735.3	29.84	757.9	57.2	14.0	63	s.	2.5	1.1	.....	.....	7	.....	.....	0	0	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.91	759.7	29.98	761.4	62.7	17.1	92	ene.	1.1	0.5	.....	3 ck	7 ks	wsw.	n.	0.16	4.0	cloudy	Benito Vines, S. J.
Manilla, Philippine Islands	29.95	760.7	30.01	762.2	79.8	26.6	61	ne.	5.5	2.5	.....	0	7 ks	.....	.....	0	0	cloudy	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.91	759.7	30.01	762.2	59.2	15.1	69	nw.	6.3	2.8	.....	2	2	nw.	.....	0.032	0.8	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I	29.90	759.5	29.99	761.8	75.9	24.4	81	s.	7.6	3.4	.....	1 cs	2 k	se.	se.	0	0	clear	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	30.39	771.9	30.43	772 9	13.3	—10.4	100	calm	.....	.....	0	.....	2	.....	.....	0	0	.....	
Umea	30.43	772.8	30.48	774.1	25.5	— 3.6	82	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Hernosand	30.38	771.7	30.43	773.0	25.5	— 3.6	82	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Stockholm	30.31	769 9	30.49	774.4	29.5	— 1.4	78	ene.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Wisby	30.29	769.4	30.35	770.9	31.3	— 0.4	85	e.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.41	772.3	30.49	774.5	25.5	— 3.6	98	e.	4.9	2.2	.....	.....	9	.....	ne.	0	0	.....	H.H. Hildebrandesson
Turkish.																			
Constantinople	.....	.....	30.10	764.6	52.3	11.3	71	s.	6	2.5	.....	.....	6	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.977	761.37	60.6	15.9	.....	ne.	.....	.....	1	.....	10	.....	.....	0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.14	765.5	62.1	16.7	70	wnw.	.....	.....	2	9 c	0	sw.	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.78	756 4	29.88	758.9	15	— 9.4	57	nw.	2	0.9	.....	0	4 s	.....	nw.	0	0	fair	J. O. Barnes.
Alpena, Michigan	29.16	740 7	29.86	758 4	— 8.2	—22.3	76	nw.	5	2.2	.....	6 k	2 s	nw.	.....	inap.	inap.	fair	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.01	635 2	30.03	762.7	21.1	— 6.1	76	ne.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.21	691.1	30.22	767.6	31.7	— 0.2	100	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. J. O'Connor.
Atlanta, Georgia	28.69	728.7	29.90	759.4	26.3	— 3.2	60	sw.	12	5.4	.....	0	sk.	.....	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	29.97	761.2	29.98	761.5	11.0	—11.7	80	w.	2	0.9	.....	0	0	.....	.....	0	0	clear	B. A. Blundon.
Augusta, Georgia	29.81	757.2	30.01	762.2	29	— 1.7	67	w.	1	0.4	.....	0	sk.	.....	.....	0	0	clear	W. J. Evans.
Baltimore, Maryland	29.95	760.7	30.03	762.0	19.0	— 7.2	61	nw.	3	1.3	.....	8 cs	0	nw.	.....	0	0	cloudy	Geo. W. Feiger.
Barnegat City, New Jersey	29.95	760.7	29.97	761.2	11.3	—11.5	94	nw.	15	6.7	.....	0	0	.....	.....	0	0	clear	J. P. Sherry.
Bennett, Fort, Dakota	28.50	723.9	30.20	767.1	16.4	— 8.7	100	nw.	7	3.1	.....	.....	10 n	.....	.....	0.02	0.5	light snow	A. Pritchard.
Benton, Fort, Montana	27.22	691.4	30.20	767.1	30.5	— 0.8	81	calm	0	0	.....	0	4 s	.....	nw.	0	0	fair	C. S. Bennett.
Bismarck, Dakota	28.22	716.8	30.14	765.5	9.0	—12.8	80	n.	2	0.9	.....	.....	10 s	.....	nw.	0.09	2.3	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.71	754.6	29.74	755.4	11.0	—11.7	70	nw.	24	10.7	.....	0	1 ks	.....	nw.	0	0	clear	J. T. Elker.
Boise City, Idaho	27.36	694.9	30.28	769.1	35.8	2.1	84	calm	0	0	.....	0	0	.....	.....	0	0	clear	James Kenealy.
Boston, Massachusetts	29.53	750.0	29.69	754.1	6.0	—14.4	76	w.	18	8.0	.....	0	0	.....	.....	0	0	clear	O. B. Cole.
Brownsville, Texas	30.11	764.8	30.17	766.3	38.0	3.3	89	w.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	John McGlone.
Buffalo, New York	29.11	739.4	29.90	759.4	1	—17.2	55	s.	6	2.7	.....	0	0	.....	.....	0	0	clear	D. Cuthbertson.
Buford, Fort, Dakota	28.02	711.7	30.18	766.6	14.5	— 9.7	89	n.	3	1.3	.....	6 cs	0	.....	.....	0	0	fair	A. Schneider.
Cairo, Illinois	29.13	739.9	29.55	750.6	35.8	2.1	81	sw.	20	8.9	.....	0	7 ks	.....	sw.	0.01	0.3	fair	W. H. Ray.
Canby, Fort, Washington Ter	29.97	761.2	30.17	766.3	43.2	6.2	74	e.	9	4.0	.....	0	fg.	.....	.....	0	0	clear	J. H. Young.
Cape Henry, Virginia	29.99	761.7	30.01	762.2	24.0	— 4.4	88	n.	8	3.6	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	29.90	761.0	29.98	761.5	17.0	— 8.3	67	nw.	20	8.9	.....	0	0	.....	.....	0	0	clear	W. E. Smith.
Cape Mendocino, California	29.43	747.5	30.12	765.0	42.2	5.7	83	nw.	.....	.....	1	0	fg.	.....	nw.	0	0	clear	A. P. Leavitt.
Cedar Keys, Florida	30.04	763.0	30.06	763.5	44.0	6.7	41	ne.	7	3.1	.....	0	1 k	.....	ne.	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.93	760.2	29.99	761.7	35.0	1.7	53	w.	3	1.3	.....	7 c	0	w.	.....	0	0	fair	J. H. Smith.
Charlotte, N. Carolina	29.04	737.6	29.92	760.0	24.3	— 4.3	70	calm	0	0	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	28.98	736.1	29.83	757.7	25.0	— 3.9	64	s.	3	1.3	.....	8 cs	sk	w.	.....	0	0	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.93	607.8	30.13	765.3	27.1	— 2.7	80	n.	18	8.0	.....	0	4 s	.....	n.	inap.	inap.	fair	E. McGovern.
Chicago, Illinois	28.87	733.3	29.61	752.1	21.9	— 5.6	74	e.	15	6.7	.....	.....	10 n	.....	e.	0.08	2.0	light snow	Wm. Norrington.
Chincoteague, Virginia	29.99	761.7	30.01	762.2	17.0	— 8.3	67	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.02	737.3	29.72	754.9	23.2	— 4.9	89	se.	8	3.6	.....	7 cs	0	.....	.....	0.01	0.3	fair	L. Dunne.
Cleveland, Ohio	29.05	737.9	29.83	757.7	6.0	—14.4	76	se.	5	2.2	.....	5 cs	0	w.	.....	0.01	0.3	fair	W. Line.
Columbus, Ohio	28.86	733.0	29.75	755.6	17.5	— 8.1	80	e.	10	4.5	.....	.....	10 n	.....	.....	inap.	inap.	light snow	F. T. Williams
Concho, Fort, Texas	28.12	714.2	30.09	764.3	30.0	— 1.1	88	s.	12	5.4	.....	0	0	.....	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.92	683.8	30.25	768.3	31	— 0.6	88	w.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	W. J. Daily.
Davenport, Iowa	28.88	733.5	29.57	751.1	20.5	— 6.4	69	ne.	14	6.3	.....	.....	10 n	.....	ne.	0.24	6.1	light snow	R. R. Martin.
Davis, Fort, Texas	25 21	640.3	30.09	764.3	35.2	1.8	71	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty	28.46	722.9	30.28	769.1	31.8	— 0.1	88	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	T. Gibson.
Deadwood, Dakota	25.34	643.6	30.18	766.6	21.0	— 6.1	87	ne.	6	2.7	.....	.....	10 s	.....	.....	0.12	3.0	cloudy	G. W. Scott.
Delaware Breakwater, Del	29.97	761.2	29.99	761.7	16.2	— 8.8	75	n.	25	11.2	.....	0	0	.....	.....	0	0	clear	G. A. Martin.
Denver, Colorado	24.69	627.1	30.13	765.3	33.7	0.9	68	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	F. M. Neal.
Des Moines, Iowa	28.80	731.5	29.76	755 9	12	—11.1	61	n.	13	5.8	.....	.....	10 s	.....	n.	0.18	4.6	cloudy	F. W. Conrad.
Detroit, Michigan	29.08	738.6	29.83	757.7	10.0	—12.2	80	ne.	10	4.5	.....	.....	10 s	.....	ne.	0.01	0.3	cloudy	N. B. Conger.
Dodge City, Kansas	27.32	693.9	30.04	763.0	34.5	1.4	71	nw.	8	3.6	.....	0	7 ks	.....	nw.	0	0	fair	J. E. Lanouette.
Dubuque, Iowa	28.94	735.1	29.69	754.1	13.5	—10.3	61	n.	8	3.6	.....	.....	10 s	.....	ne.	0.42	10.7	cloudy	J. Harvey Smith
Duluth, Minnesota	29.16	740.7	29.95	760.7	— 4 0	—20.0	71	calm	0	0	.....	0	7 s	.....	.....	0.03	0.8	fair	E. R. Brace.
Eastport, Maine	29.34	745 2	30.42	772.7	5.1	—14.9	76	w.	9	4.0	.....	4 c	3 s	w.	w.	0.06	1.5	fair	D. C. Murphy.
Elliott, Fort, Texas	27.16	689.9	29.99	761.7	35.4	1.9	73	nw.	12	5.4	.....	0	5 s	.....	nw.	0	0	fair	J. C. Rickli.
El Paso, Texas	26.28	667.5	30.08	764.0	28.2	— 2.1	65	calm	0	0	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.11	739 4	29.88	758.9	0.0	—17.8	75	s.	5	2.2	.....	0	0	.....	.....	0	0	clear	P. Wood.
Escanaba, Michigan	29.18	741 2	29.88	758.9	—25.5	—31.9	.....	n.	9	4.0	.....	4 ck	0	n.	.....	0	0	fair	L. M. Pindell.
Fort Smith, Arkansas	29.27	743.4	29.76	755.9	44.0	6.7	76	nw.	20	8.9	.....	0	4 s	.....	w.	0	0	fair	J. B. Campbell.
Galveston, Texas	30.05	763.3	30.09	764 3	41.2	5.1	73	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	E. O'C. Macinerney
Grand Haven, Michigan	29.04	737.6	29.74	755 4	7.5	—13.6	76	ne.	6	2.7	.....	.....	10 s	.....	ne.	0.12	3.0	cloudy	Joseph E. Mueller
Grant, Fort, Arizona	25.21	640 3	30.04	763.0	36.4	2.4	38	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	Chas. A. Reno.
Hatteras, North Carolina	29.96	761.0	29.97	761.2	31.0	— 0.6	78	n.	3	1.3	.....	6 c	3 k	ne.	.....	0	0	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.95	659.1	30.27	768.8	31	— 0.6	71	nw.	1	0.4		0	0			0	0	clear	S. W. Morrison.
Huron, Dakota	28.58	725.9	30.06	763.5	11.5	—11.4	89	n.	11	4.9		0	0			0.05	1.3	clear	S. W. Glenn.
Indianapolis, Indiana	28.74	730.0	29.58	751.3	22.7	— 5.2	77	se.	7	3.1			10 n		se.	0.03	0.8	light snow	C. F. R. Wappenhans.
Indianola, Texas	30.10	764.5	30.13	765.3	35.0	1.7	79	sw.	10	4.5		0	0			inap.	inap.	clear	I. A. Reed.
Jacksonville Florida	29.99	761.7	30.04	763.0	42.8	6.0	55	nw.	1	0.4		5 cs	hz.			0	0	fair	J. W. Smith.
Keokuk, Iowa	28.80	731.5	29.50	749.3	26.0	— 3.3	88	n.	12	5.4			10 s		n.	0.07	1.8	cloudy	F. Z. Gosewisch.
Key West, Florida	29.90	761.7	30.01	762.2	60	15.6	57	n.	18	8.0		0	9 k		nw.	0	0	cloudy	J. J. Lackey.
Kittyhawk, North Carolina	29.98	761.5	30.00	762.0	23.8	— 4.6	82	ne.	5	2.2		0	0			0	0	clear	Wesley Blake.
Knoxville, Tennessee	28.77	730.7	29.83	757.7	17.3	— 8.2	83	e.	5	2.2		3 cs	0			0	0	clear	J. A. Cody.
La Crosse, Wisconsin	28.99	736.3	29.81	757.2	7	—13.9	76	n.	9	4.0			10 n			0.01	0.3	light snow	S. C. Emery.
Leavenworth, Kansas	28.82	732.0	29.76	755.9	26	— 3.3	76	nw.	28	12.5		0	5 s		n.	0.02	0.5	fair	C. Dill.
Lewiston, Idaho	29.44	747.8	30.3c	769.6	32.0	0.0	78	calm	0	0		0	0			0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.37	746.0	29.70	754.4	40.0	4.4	73	sw.	6	2.7		0	0			0	0	clear	W. U. Simons.
Los Angeles, California	29.65	753.1	30.05	763.3	54.5	12.5	47	ne.	8	3.6		0	3 s			0	0	fair	T. S. Collins
Louisville, Kentucky	29.03	737.3	29.62	752.3	26.6	— 3.0	81	se.	12	5.4			10 n			inap.	inap.	light snow	E. B. Garriott.
Lynchburg, Virginia	29.22	742.2	29.94	760.5	18.0	— 7.8	60	sw.	1	0.4		4 ck	3 s	w.		0	0	fair	Jno. Healy.
Mackinaw City, Michigan	29.19	741.4	29.89	759.2	—15.9	—26.6	86	calm	0	0		0	0			0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.97	761.2	29.98	761.5	33.0	0.6	64	ne.	7	3.1		4 cs	4 s	sw.	ne.	0	0	cloudy	William Daly.
Maginnis, Fort, Montana	25.50	647.7	30.10	764.5	29.7	— 1.3	41	w.	20	8.9		10 ck	0	w.		0	0	cloudy	C. Burke.
Marquette, Michigan	29.15	740.4	29.92	760.0	—10.0	—23.3	55	nw.	8	3.6		0	0			0	0	clear	J. Gilligan.
Memphis, Tennessee	29.29	744 0	29.64	752.8	40.0	4.4	65	w.	20	8.9			10 s			0	0	cloudy	D. T. Flannery
Milwaukee, Wisconsin	28.88	733.5	29.67	753.6	18.2	— 7.7	95	ne.	23	10.3			10 n			0.23	5.8	heavy snow	S. W. Rhode.
Mobile, Alabama	29.97	761.2	30.01	762.2	37	2.8	69	sw	1	0.4		0	0			0	0	clear	H. U. Jones.
Montgomery, Alabama	29.69	754.1	29.93	760.2	33	0.6	66	s.	8	3.6		1 cs	fg.			0	0	clear	S. M. Leitzell.
Moorhead, Minnesota	28.97	735.8	30.05	763.3	8	—13.3	76	n.	9	4.0			10 s		n.	0.11	2.8	cloudy	H. Bessant.
Mt. Washington, N. H.	22.82	579.6	29.34	745.2	—16.2	—26.8	58	nw.	60	26.8			fg.		nw.	0.01	0.3	dense fog	J. H. Melton.
Nashville, Tennessee	29.02	737.1	29.62	752.3	28.0	— 2.2	82	s.	12	5.4			10 n		s.	inap.	inap.	light snow	L. N. Jesunofsky.
New Haven, Connecticut	29.73	755.1	29.85	758.2	2.3	—16.5	72	w.	4	1.8		0	0			0	0	clear	J. H. Sherman.
New London, Connecticut	29.78	756.4	29.83	757.7	11.0	—11.7	80	w.	8	3.6		0	1 ks		w.	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	29.98	761.5	30.04	763.0	42.0	5.6	78	sw.	3	1.3		0	0			0	0	clear	M. Herman.
New York, New York	29.73	755.1	29.91	759.7	6	—14.4	76	w	8	3.6		0	0			0	0	clear	W. Finn.
Norfolk, Virginia	29.96	761.0	29.99	761.7	26.2	— 3.2	64	calm	0	0		0	hz.			0	0	clear	Wm. Davis.
North Platte, Nebraska	20.98	685.3	30.04	763.0	29.1	— 1.6	72	nw	17	7.6			10 ks		nw.	0.02	0.5	cloudy	E. F. Brady.
Olympia, Washington T'y	30.12	765 0	30.16	766.1	35.0	1.7	89	calm	0	0		0	0			0	0	clear	J. Dascomb.
Omaha, Nebraska	28.65	727.7	29.90	759 4	15.8	— 9.0	74	n	6	2.7			10 s		n.	0.03	0.8	cloudy	A. Pollak
Oswego, New York	29.51	749 5	29.85	758.2	8.4	—13.1	85	nw.	14	6.3		0	9k;n		nw.	0.09	2.3	light snow	J. G. Linsley.
Palestine, Texas	29.41	747.0	29.98	761.5	38.2	3.4	61	sw.	16	7.2		0	0			0.01	0.3	clear	P. T. Jenkins.
Pensacola, Florida	29.99	761.7	30.02	762.5	38.0	3.3	73	w.	4	1.8		0	0			0	0	clear	M. McGauran.
Philadelphia, Pa	29.87	758.7	29.97	761.2	12.0	—11.1	61	w	4	1.8		0	0			0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.53	445.3	30.12	765.0	— 2.0	—18.9	79	ne.	38	17.0		0	0			0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.02	737.1	29.87	758.7	10.8	—11.8	94	e.	4	1.8		0	0			inap.	inap.	clear	O. D. Stewart.
Port Huron, Michigan	29.13	739.9	29.85	758.2	— 3.9	—19.9	82	s.	2	0.9		0	0			0	0	clear	M. H. Perry
Portland, Maine	29.50	719 3	29.55	750.6	9.5	—12.5	66	sw.	7	3.1		10c;ck	0		sw;w	inap.	inap.	cloudy	W. W. Eichelberger.
Portland, Oregon	30.06	763.5	30.14	765.5	42.0	5.6	82	ne.	4	1.8		0	0			0	0	clear	M. L. Hearn.
Prescott, Arizona	24.80	629.9	30.14	765.5	25.5	— 3.6	82	sw.	2	0.9		0	0			0	0	clear	N. D. Lane.
Provincetown, Mass.	29.66	753.4	29.68	753.9	8.8	—12.9	81	w.	21	9.4		0	0			0	0	clear	C. N. Kitchel.
Red Bluff, California	29.75	755.6	30.12	765 0	46.2	7.9	74	n.	4	1.8		0	0			0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.99	761.7	30.23	767.8	32.0	0.0	88	n.	2	0.9		1 c	0			0	0	clear	L. G. Schultz.
Rochester, N. Y	29.19	741.4	29.89	759.2	0	—17.8	68	sw.	9	4.0		3 k	4 k	nw	sw.	inap.	inap.	fair	E. W. McGann.
Roseburg, Oregon	29.58	751.3	30.14	765.5	37	2.8	85	calm	0	0		0	0			0	0	clear	J. J. Naury.
Sacramento, California	30.00	762 0	30.08	764.0	51.5	10.8	86	n.	4	1.8		0	0			0	0	clear	J. A. Barwick.
St. Louis, Missouri	28.77	730.7	29.42	747.3	35.5	1.9	83	sw.	14	6.3			10 n		sw.	0.01	0.3	light snow	J. H. Weber.
St. Michael, Fort, Alaska	30.01	762.2	30.05	763.3	15.5	— 9.2	100	n.	15	6.7		2 ck	6 s	n.	n.	0	0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	28.96	735.6	29.87	758.7	11.0	—11.7	45	nw.	7	3.1			10 s		nw.	0.01	0.3	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.14	740.1	30.08	764.0	4	—15.6	77	n.	8	3.6			10 s			0.01	0.3	cloudy	C. B. Dilley.
Salt Lake City, Utah	25 82	655.8	30.34	770.6	31.7	— 0.2	68	se.	3	1.3		0	0			0	0	clear	J. Craig.
San Diego, California	29.94	760.5	30.00	762.0	52.6	11.4	42	ne.	2	0.9		hz.	0			0	0	clear	F. R. Day.
Sandusky, Ohio	29.08	738.6	29.80	756.9	12	—11.1	80	se.	7	3.1			10 n			inap.	inap.	light snow	B. F. Hough.
Sandy Hook, New Jersey	29.92	760.0	29.95	760.7	8.0	—13.3	55	nw.	27	12.1		0	0			0	0	clear	V. P. Chappel.
Sanford, Florida	29.99	761.7	30.04	763 0	45.0	7.2	53	se.	5	2.2		0	8 ks		se.	0	0	cloudy	J. B. Marbury
San Francisco, California	30.00	762.0	30.07	763.8	53.0	11.7	88	calm	0	0		0	fg.			0	0	clear	N. Gorom
Savannah, Georgia	29.92	760.0	30.01	762.2	30.2	2.3	57	w.	3	1.3		4 ck;os	fg.	w.		0	0	fair	H. W. Ford.
Shaw, Fort, Montana	26.44	671.6	30.24	768.1	29	— 1.7	88	w.	4	1.8		0	0			0	0	clear	A. L. Mathews
Shreveport, Louisiana	29.67	753.6	29.84	757.9	38.0	3.3	66	sw.	8	3.6		0	1 s			0	0	clear	E. N. Meekins.
Sitka, Alaska	30.11	764.8	30.18	766.6	36.6	2.0	87	calm	0	0		0	0			0	0	clear	F. W. Pickett.
Smithville North Carolina	29.93	760.2	29.97	761.2	30.5	— 0.8	83	nw.	8	3.6		1 c	7 s		w	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	28.18	715.8	30.31	769.9	25.6	— 3.6	82	calm	0	0		0	0			0	0	clear	D. Moore.
Springfield, Illinois	28.72	729.5	29.44	747.8	28.3	— 2.1	82	e.	8	3.6			10 n			0.20	5.1	light snow	T. B. Jennings.
Stockton, Fort, Texas	26.99	685.5	30.07	763.8	35.0	1.7	66	sw.	8	3.6		0	0			0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	30.03	762.7	30.13	765.3	46.3	7.9	81	e.	4	1.8		0	0			0	0	clear	R. Connor
Thomas, Camp, Arizona	27.32	693.9	30.10	764.5	28.2	— 2.1	77	calm			0	0	0			0	0	clear	R. C. Lord.
Toledo, Ohio	29.03	737.3	29.76	755.9	13	—10.6	83	se.	2	0.9			10 n			inap.	inap.	light snow	A. Buell.
Unalashka, Alaska	29.19	741.4	29.21	741.9	39	3.9	89	se,	14	6.3			8 s		e.	4.86	123.4	threatening	Samuel Applegate
Vicksburg, Mississippi	29.63	752.6	29.89	759.2	40.5	4.7	65	sw.	20	8.9		0	0			0	0	clear	F. W. Mixer.
Washington, D. C.	29.87	758.7	29.99	761.7	14.8	— 9.6	69	se.	1	0.4		8 cs	hz.	sw.		0	0	cloudy	T. B. Harrison.
West Las Animas, Colorado	26.00	660.4	30.07	763.8	33.5	0.8	76	w.	11	4.9			8 s			0	0	cloudy	F. H. Brandenburg
Wilmington, N Carolina	29.91	759.7	29.97	761.2	32.0	0.0	50	calm	0	0		0	4 s;sk			0	0	fair	L. H. Albrecht.
Yankton, Dakota	28.63	727.2	30.02	762.5	11.1	—11.6	72	n.	25	11.2			10 s		n	inap.	inap.	cloudy	E. H. Thompson.
Yuma, Arizona	29.88	758.9	30.03	762.7	56.3	13.5	32	n.	4	1.8		1 c	0	w.		0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.92	760.0	29.94	760.5	28.8	— 1.8	82	n.	17	7.6			10 n			inap.	inap.	cloudy	George Oherwick.
Bluefields, Nicaragua, C. A.					72	22.2		nw.			1	0	2 k		ne.	0	c	fair	W. H. Jackson.
Bogota, U. S. C.	22.01	559.0			53.6	12.0	81	calm	0	0		0	3 k			0.012	0.3		Joaquin Gomez.
Chimo, Fort, Ungava	29.40	746.7	29.66	753.4	— 4	—20.0	100	w.	1	0.4			10 s		ne.	0.05	1.3	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.			29.98	761.5	70.2	21.2	87	n.	1	0.4		0	1 s			0.01	0.3	clear	Robert Johnstone.
Paramaribo, S. A.	30.03	762.7	30.03	762.7	78	25.6	86	ne.			3	5 ck	4 s	e.		0	0		Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.36	745.7	29.92	760 0	78	25.6	89	n.			1	7 ck	3 ks	n.	n.	0	0	cloudy	Francisco J. Olsina.
Rivas, Nicaragua, C. A.					74	23.3	90	e.			4					0	0	clear	Earl Flint.
York Factory, B. A.	30.14	765.5	30.21	767.3	—21.0	—29.4		sw.	11	4.9		1 c	1 s	sw.	sw.	0.03	0.8	fair	Fortescue & Wood
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.95	760 8	29.96	761.0	74.1	23.4	85	n.	0.9	0.4			5 k		n.	0	0		P. Fasiani.
Naos, Bay of Panama	29.87	758.8	29.94	760.5	69.8	21.0	96	n.			4		1 cs		n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Alvo, N. 20° 18′, W. 74° 09′ *	29.94	760.5	74	23.3	.....	nw.	.....	.....	3	.....	9	.....	calm	0	0	long	n.	dull.
S. S. Alpin, Ponce, Porto Rico	.....	.....	78	25.6	.....	ese.	.....	.....	3	.....	.....	.....	.....	0	0	sm'h	.....	fine.
S. Armenia, N. 43° —′, W. 38° —′ *	29.61	752.1	63	17.2	94	ssw.	.....	.....	6	.....	10	.....	sw.	2 h'r	2 h'r	mod.	sw.	misty.
S. S. Antonio Lopez, N. 34° 49′, W. 10° 36′	29.99	761.7	60.5	15.8	76	sw.	.....	.....	2	.....	8	.....	.....	0	0	mod.	sw.	cloudy.
S. S. America, Baltimore, Md	.....	.....	43.0	6.1	75	n.	.....	.....	4	.....	5	.....	n.	0	0	.....	.....	fair.
S. S. Athos, N. 28° 50′, W. 74° 20′	.....	.....	.....	.....	.....	nw.	.....	.....	4	.....	2	.....	nw.	0	0	mod.	nw.	clear.
S. S. Belgenland, N. 43° 48′, W. 40° 39′ *†	29.57	751.1	56	13.3	.....	w.	.....	.....	6	.....	.....	.....	.....	.....	.....	h'vy	w.	cloudy.
S. S. Britannic, off Queenstown, Ireland	.....	.....	46	7.8	.....	se.	.....	.....	3	.....	10	.....	.....	0	0	.....	.....	overcast.
S. S. City of Augusta, New York, N. Y	.....	.....	.....	.....	.....	wsw.	.....	.....	6	.....	4	.....	wsw.	0	0	.....	.....	clear.
S. S. Caracas, N. 35° 57′, W. 70° 01′*†	29.91	759.7	57	13.9	58	wnw.	.....	.....	5	.....	10	.....	w.	4 h'r	4 h'r	r'gh	nw.	cloudy.
S. Dora, N. 40° 34′, W. 48° 56′ *†	29.64	752 8	63.9	17.7	.....	sw.	.....	.....	6	.....	8	.....	sw.	0	0	cross	ssw.	overcast.
S. S. Devonia, N. 48° 46′, W. 36° 20′†	29.30	744.2	55	12.8	.....	s.	.....	.....	4	.....	10	.....	ssw.	8 h'r	8 h'r	mod.	sw.	hazy.
Bk. Fred W. Carlon, Progreso Roads, Mexico†	30.05	763 3	.....	.....	.....	nne.	.....	.....	6	.....	0	.....	.....	0	0	r'gh	nne.	clear.
S. S. Gellert, N. 49° 50′, W. 13° 34′	29.79	756.7	52.5	11.4	93	w.	.....	.....	4	.....	3	.....	sw.	3 h'r	3 h'r	mod.	w.	clear
Bk. Godeffroy, N. 21° 23′, W. 57° 53′	30.08	764.0	75.2	24.0	78	ese.	.....	.....	4	.....	4	.....	se.	light	light	mod	se.	fair.
S. S. Iowa, off Mizen Head, Ireland	.....	.....	50	10.0	.....	se.	.....	.....	4	.....	9	.....	se.	1 h'r	1 h'r	long	s.	rain & mist.
Bk. Idaho, N. 32° 34′, W. 77° 07′*†	30.10	764.5	.....	.....	.....	nnw.	.....	.....	2	.....	10	.....	n.	0	0	sm'h	.....	cloudy.
Bg. L. F. Munson, Matanzas, Cuba, W. I.	.....	.....	68	20.0	.....	n.	.....	.....	3	.....	10	.....	n.	1 h'r	1 h'r	.....	.....	cloudy.
Bg. Lilian, N. 13° 43′, W. 60° 38′ †	29.98	761.5	81	27.2	.....	e.	.....	.....	4	.....	4	.....	ene.	½ h'r	¼ h'r	mod.	var.	fair.
S. S. Main, N. 48° 53′, W. 29° 41′	29.54	750.3	51.8	11.0	.....	s.	.....	.....	5	.....	8	.....	sw.	3 h'r	3 h'r	cross	s.	covered.
S. S. Nurnberg, N. 49° 39, W. 9° 28′	29.87	758.7	53.6	12.0	.....	sw.	.....	.....	2	.....	7	.....	sw.	.....	.....	sm'h	e.	fair.
S. S. Nessmore, N. 43° 19′, W. 41° 24′	.....	.....	54	12.2	87	sw.	.....	.....	6	.....	5	.....	sw.	6 h'r	6 h'r	long	sw.	fair
Schr. Norena, Arrayo, Porto Rico, W. I.	.....	.....	.....	.....	.....	ene.	.....	.....	2	.....	3	.....	ene.	1 h'r	1 h'r	mod	ese.	showery.
S. S. Orinoco, N. 37° 30′, W. 70° 48′ †	29.91	759 7	48	8.9	.....	nw.	.....	.....	4	.....	6	.....	nw.	1 h'r	1 h'r	hv'y	var.	rainy.
Bk. Orpheus, N. 47° 28′, W. 37° 53′ *	29.22	742.2	56	13.3	.....	ssw.	.....	.....	6	.....	10	.....	.....	0	0	mod.	nw.	misty.
S. S. Pavonia, N. 43° 55′, W. 44° 57′	29.49	749.0	51	10.6	86	var.	.....	.....	2	.....	10	.....	.....	7 h'r	7 h'r	cross	sw.	overcast.
S. S. Pennsylvania, Philadelphia, Pa †	29.94	760.5	9	—12.8	100	nw.	.....	.....	6	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. Rising Sun, N. 19° 38′, W. 66° 40′ *†.	30.08	764.0	80	26.7	.....	se.	.....	.....	4	.....	1	.....	se.	0	0	long	se.	clear.
S. S. State of Georgia, N. 45° 36′, W. 41° 45′ †	29.46	748.3	54	12.2	.....	wnw.	.....	.....	6	.....	10	.....	wsw.	4 h'r	4 h'r	short	sw.	cloudy.
S. S. Salerno, N. 49° 23′, W. 11° 22′ †	29.96	758.4	58	14.4	.....	se.	.....	.....	2	.....	5	.....	se.	0	0	sm'h	sw.	fine.
S. S. Switzerland, N. 44° 06′, W. 37° 32′ *†	29.62	752.3	.....	.....	.....	ssw.	.....	.....	2	.....	5	.....	wsw.	9 h'r	9 h'r	long	w.	threatening.
S. St. David, N. 39° 58′, W. 38° 27′	.....	.....	67	19.4	84	ssw.	.....	.....	6	.....	9	.....	sw;w	0	0	long	sw.	hazy.
S. S. The Queen, N. 50° 16′, W. 23° 52′	29.66	753.4	54	12.2	.....	wsw.	.....	.....	3	.....	5	.....	wsw.	8 h'r	8 h'r	con.	s.	foggy.
Bk. Tuck Sing, N. 31° 46′, W. 70° 09 *†	29.96	761.0	.....	.....	.....	nnw.	.....	.....	3	.....	10	.....	nw.	1 h'r	1 h'r	mod.	nw.	cloudy.
S. S. Venetian, N. 42° 14′, W. 66° 24′*	29.33	745.0	25	— 3.9	.....	wsw.	.....	.....	9	.....	10	.....	wsw.	12 h'r	12 h'r	r'gh	sw.	squally.
S. S. Valencia, N. 22° 43′ W. 68° 59′ †	29.96	761.0	79.5	26.4	82	s.	.....	.....	4	.....	6	.....	s.	0	0	mod.	se.	fair.
S. S. Westernland, Antwerp, Belgium	29.99	761 7	43	6.1	83	ne.	.....	.....	3	.....	7	.....	sw.	0	0	.....	.....	fair.
S. S. W. A. Scholten, Rotterdam, Ho and	30.07	763.8	47.5	8.6	71	se.	.....	.....	3	.....	4	.....	se.	0	0	.....	.....	
S. S. Weser, N. 45° 30′, W. 42° 39′	29.39	746.5	51.8	11.0	.....	w.	.....	.....	5	.....	7	.....	w.	6 h'r	6 h'r	r'gh	wnw.	squally.
S. S. Australia, N. 40° 25′, W. 22° 24′†	29.84	757.9	59	15.0	.....	nw.	.....	.....	4-5	.....	3	.....	.....	1 h'r	1 h'r	h'vy	w.	squally.
S. S. Clenfuegos, Castle Id, W. I.	29.91	759 7	68	20.0	.....	sw.	.....	.....	3	.....	4?	.....	nw.	0	0	small	ssw.	cloudy.?
S. S. Frisia, N. 46° 35′, W. 31° 29′	29.65	753.1	59	15.0	.....	s.	.....	.....	5	.....	10	.....	s.	10 h'r	10 h'r	sm'h	wnw.	drizzling.
S. S. Texas, N. 44° 19′, W. 38° 29′*†	29.56	750.8	64	17.8	94	sw.	.....	.....	4	.....	10	.....	.....	.....	.....	mod.	w.	overcast.
Bk. George Davis, N. 49° 20′, W. 14° 32′*†	29.80	756.9	.....	.....	.....	sse.	.....	.....	1	.....	.....	.....	ssw.	0	0	mod.	cross	covered.
S. S. Anchoria, N. 41° 57′, W. 50° 20′ †	29.78	756.4	.....	.....	.....	sw.	.....	.....	2	.....	7	.....	w.	18 h'r	18 h'r	h'vy	sw.	fair.
Schr. Adda Doane, N. 25° 20′, W. 73° 50′†	29.90	759.4	.....	.....	.....	calm	.....	.....	0	.....	10	.....	ne.	1 h'r	1 h'r	short	nw.	cloudy.
S. S. Chalmette, N. 24° 28′, W. 81° 16′ *†	30.02	762.5	61	16.1	.....	n.	.....	.....	6	.....	10	.....	n.	½ h'r	½ h'r	mod.	n.	cloudy.
S. S. D. J. Foley, N. 37° 02′, W. 75° 00′†	30.00	762.0	28?	—2.2?	.....	n.	.....	.....	4	.....	0	.....	.....	0	c	sm'h	.....	clear.
S. S. Erin, N. 40° 57′, W. 55° 30′ †	29.52	749.8	50	10.0	.....	w.	.....	.....	6	.....	6	.....	w.	2 h'r	2 h'r	high	w.	
S. S. Grecian, Portland, Me	29.60	751.8	18	— 7.8	84	w.	.....	.....	1	.....	8	.....	w.	0	0	.....	.....	cloudy.
Schr. Jas. Slater, N. 30° 53′, W. 52° 44′	.....	.....	70	21.1	.....	sw.	.....	.....	5	.....	5	.....	w.	0	0	mod	wnw.	hazy.
S. S. St. Laurent, Havre, France	29.88	759.0	48.2	9	.....	ne.	.....	.....	3	.....	2	.....	ne.	0	0	sm'h	.....	clear.
Schr. Viola Reppard, Portland, Maine	.....	.....	.....	.....	.....	wsw.	.....	.....	4	.....	5	.....	ssw.	0	0	.....	.....	fair.
Bk. Western Chief, N. 40° 16′, W 50° 56′*†	29.58	751.3	.....	.....	.....	w.	.....	.....	7	.....	8 ½	.....	w.	.....	.....	7	w.	raining.
U. S. Navy Yard, Portsmouth, N. H *.	29.53	750.0	6	—14.4	76	wnw	18	8.0	.....	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Galena, N. 32° 42′, W. 78° 40′ *	30.00	762.0	44	6.7	52	wnw.	.....	.....	4	.....	10	.....	wnw.	.....	.....	sm'h	.....	cloudy.
U. S. S. New Hampshire, Newport, R. I	29.83?	757.7?	8	—13.3	.....	w.	.....	.....	5	.....	1	.....	w.	.....	.....	.....	.....	clear.
U. S. S. Powhatan, Port Royal, S. C	30.01	762.2	36	2.2	90	w.	.....	.....	1	.....	8	.....	w.	.....	.....	.....	.....	fair.
U. S. S. Quinnebaug, Leghorn, Italy	29.62	752 3	49	9.4	93	ene.	.....	.....	3	.....	10	.....	ene.	.....	.....	sm'h	.....	heavy rain
U. S. S. Saratoga, New York, N. Y.	29.91	759.7	9	—12.8	100	wnw.	.....	.....	3–6	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Tennessee, New Orleans, La	30.04	763.0	42	5.6	83	wsw.	8	3.6	.....	.....	0	.....	.....	0	0	.....	.....	fair.?
U. S. S Yantic, Port Royal, S. C.	30.02	762.5	42	5.6	66	wnw.	.....	.....	2	.....	8	.....	.....	.....	.....	.....	.....	cloudy.
H. M. S. Alexandra, N. 35° 07′, E. 35° 57′	30.15	765.8	67	19.4	50	n.	.....	.....	2	.....	7	.....	n.	.....	.....	.....	.....	d. clouds.
H. M. S. Alecto, N. 5° 15′, E. 4° 27′	29.80	756.9	83	28.3	.....	sw.	.....	.....	1	.....	7	.....	sse.	.....	.....	1	ssw.	d. clouds.
H. M. S. Boadicea, N. 6° 00′, E. 3° 49′	29.80	756.9	83	28.3	96	s.	.....	.....	1	.....	3	.....	ssw.	.....	.....	2	sse.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.83	757.7	58	14.4	82	wnw.	.....	.....	4	.....	9	.....	nnw.	.....	.....	.....	.....	d. clouds
H. M. S. Himalaya, N. 42° 18′, W. 54° 20′	29.36	745.7	42	5.6	83	wsw.	.....	.....	6	.....	9	.....	.....	.....	.....	6	wsw.	d. clouds.
H. M. S. Minotaur, N. 38° 20′, E. 15° 40′	.....	.....	61	16.1	77	sw.	.....	.....	6	.....	7	.....	sw.	.....	.....	1	sw.	d. clouds.
H. P. M. S. Bengo, N. 0° 18′, W. 12° 34′	29.90	759.4	87.8	31.0	72	se.	.....	.....	1	.....	5	.....	n.	0	0	.....	.....	d. clouds.
S. S. British Prince, N. 49° 23′, W. 24° 03′	.....	.....	51	10.6	93	w.	.....	.....	4	.....	8	.....	wnw.	10 h'r	10 h'r	long	w.	light fog.
S. S. Scandinavian, N. 42° 40′, W. 51° 12′	29.45	748.0	38	3.3	.....	w.	.....	.....	2	.....	7	.....	w.	1 h'r	1 h'r	high	wsw.	misty.
S. S. Galatia, Suez, Egypt *†	30.10	764.5	67	19.4	.....	nnw.	.....	.....	3	.....	0	.....	.....	0	0	sll't	n.	clear
S. S. Labrador, N. 44° 01′, W. 43° 54′	.....	.....	46.4	8.0	.....	wnw.	.....	.....	4	.....	5	.....	ssw.	½ h'r	½ h'r	h'vy	w.	
S. S. Wyoming, Liverpool, Eng	30.04	763.0	37	2.8	.....	sse.	.....	.....	2	.....	8	.....	ssw.	0	0	.....	.....	hazy.
S. S. Westphalia, N. 42° 01′, W. 53° 00′	.....	.....	51	10.6	.....	wnw.	.....	.....	6	.....	8	.....	w.	4 h'r	4 h'r	hv'y	wnw.	cloudy.
S. S. Archimedes, (Br) N. 35° 24′, W. 15° 33′	29.72	754.9	.....	.....	.....	wsw.	.....	.....	6	.....	10	.....	wsw.	6 h'r	6 h'r	h'vy	nw.	showery.
S. S. Olbers, N. 25° 30′, W. 21° 06′	.....	.....	64	17.8	92	nnw.	.....	.....	2	.....	10	.....	.....	.....	.....	2	n.	overcast
S. S. Archimede, (It.) N. 33° 57′, W. 48° 04′†	30.14	765.5	74	23.3	.....	sw.	.....	.....	5	.....	2	.....	sw.	0	0	h'vy	w.	clear.
S. S. Picqua, Lisbon, Portugal †	29.90	759.4	56	13.3	87	calm	.....	.....	0	.....	.....	.....	.....	mist	mist	high	nw.	overcast.
S. S. Oregon, N. 42° 49′, W. 50° 31′	.....	.....	30	— 1.1	.....	sw.	.....	.....	2	.....	8	.....	wsw.	6 h'r	6 h'r	h'vy	wsw.	fine.
S. S. Italy, N. 49° 32′, W. 14° 10′	.....	.....	54	12.2	100	ssw.	.....	.....	2	.....	8	.....	ssw.	0	0	mod.	sw.	fair.
S. S. Rhein, N. 41° 38′, W. 63° 30′	.....	.....	.....	.....	.....	w.	.....	.....	9	.....	8	.....	w.	6 h'r	6 h'r	r'gh	w.	stormy.
S. S. Strassburg, N. 6° 25′, W. 29° 13′	30.01	762.2	78.0	25.6	76	ne.	.....	.....	4	.....	10	.....	ne.	0	0	4	ne.	covered.
S. S. Muriel, N. 12° 07′, W. 60° 35′	.....	.....	79	26.1	.....	ene.	.....	.....	3	.....	0	.....	.....	0	0	mod.	ne.	clear.
S. S. Pennland, N. 40° 52′, W. 62° 45′*	29.57	751.1	40	4.4	82	wsw.	.....	.....	8	.....	9	.....	wnw.	14 h'r	14 h'r	high	w	stormy.
S. S. Vaderland, N. 39° 19′, W. 60° 32′	.....	.....	44	6.7	.....	w.	.....	.....	8	.....	5	.....	wnw.	20 h'r	20 h'r	h'vy	wnw.	heavy gale.
S. S. Waesland, Antwerp, Belgium	30.01	762.2	41	5.0	.....	nne.	.....	.....	4	.....	10	.....	nne.	0	0	.....	.....	overcast.
S. S. Amsterdam, N. 46° 39′, W. 34° 45′*	29.56	750.8	56.8	13.8	93	ssw.	.....	.....	5	.....	9	.....	sw.	3 h'r	3 h'r	high	sw	cloudy.
S. S. State of Nevada, N. 40° 53′ W. 62° 08′*†	29.64	752.8	35	1.7	.....	w.	.....	.....	6	.....	8	.....	w.	snow	snow	h'vy	wnw.	cloudy.
S. S. Saxon, N. 40° 00′, W. 73° 30′	.....	.....	11	—11.7	.....	wnw.	.....	.....	4	.....	.....	.....	.....	0	0	long	ese.	fine.
S. S. Rialto, N. 46° 16′, W. 42° 44′	.....	.....	49	9.4	.....	w.	.....	.....	6	.....	5	.....	w.	0	0	r'gh	w.	
Schr. Arthur Burton, Fernandina, Fla†	29.97	761.3	.....	.....	.....	w.	.....	.....	1	.....	4	.....	w.	0	0	sm'h	.....	fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I.	29.99	761.7	78	25.6	.....	calm	.....	.....	0	.....	2	.....	ene.	0	0	.....	.....	clear.
S. Annie, N. 37° 18′, W. 17° 21′*†	29.63	752.6	.....	.....	.....	wsw.	.....	.....	3	.....	8	.....	w.	4 h'r	4 h'r	long	wnw.	fair.
Schr. Abbie H. Gheen, Jacksonville, Fla *†	30.05	763.3	40	4.4	.....	wnw.	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 48° 20′, W. 12° 20′*†	29.89	759.2	54	12.2	.....	ssw.	.....	.....	2	.....	3	.....	sw.	0	0	sm'h	.....	clear.
Bk. Achille F., N. 30° 15′, W. 46° 30′ *†	30.27	768.8	70.5	21.4	85	s.	.....	.....	3	.....	5	.....	s.	0	0	.....	.....	
Bk. Bore, N. 50° 25′, W. 2° 08′ *†	30.22	767.6	52	11.1	.....	ene.	.....	.....	3	.....	5	.....	ene.	0	0	sm'h	ene.	fair.
S. S. Bracadale, N. 50° 31′, W. 0° 33′	.....	.....	48	8.9	.....	ene.	.....	.....	2	.....	3	.....	ene.	0	0	sm'h	.....	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762 0	80	26.7	.....	ne.	.....	.....	5	.....	9	.....	ene.	2 h'r	2 h'r	.....	.....	cloudy
Bk. Cato, Oporto, Portugal †	29.94	760.5	55	12.8	93	s.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	cloudy.
S. David Stewart, Orchilla Island, Venezuela †	29.90	759.4	78	25.6	.....	ese.	.....	.....	4	.....	8	.....	e.	0	0	.....	.....	
Schr. Edith R. Seward, Berbice, British Guiana†	30.01	762.2	80	26.7	.....	ne.	.....	.....	2	.....	6	.....	ene.	¼h'r	¼h'r	.....	.....	hazy.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from.	
							Miles p. hr.	Mtrs. p. sec		Upper.	Lower.	Upper.	Lower.					
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
U. S. Fish Com S.S. Fish Hawk, Washington, D.C.	.....	.....	26	— 3.3	.....	ne.	.....	.....	2	.....	10	.....	calm	0.02	0.5	.....	.....	cloudy.
S. Frank N. Thayer, N. 33° 26′, W. 46° 00′*†	30.16	766.1	70	21.1	92	ssw.	.....	.....	6	0	9 k	.....	sw.	0	0	mod.	w.	hazy
Bg. George, N. 30° 08′, W. 66° 00′*†	29.92	760.0	.....	.....	.....	n.	.....	.....	2	.....	10	.....	n.	hv'y	h'vy	r'gh	nw.	raining.
Bk. Galeon, N. 47° 53′, W. 9° 45′†	29.95	760.7	53	11.7	.....	s.	.....	.....	2	.....	5	.....	w.	light	light	light	w.	d. clouds.
S. Gatherer, N. 37° 10′, W. 61° 05′†	29.78	756.4	56	13.3	69	w.	.....	.....	6	.....	9	.....	w.	2 h'r	2 h'r	.....	.....	cloudy.
Bk. Heinrich & Tonio, N. 49° 00′, W. 12° 00′*†	30.02	762.5	62	16.7	72	s.	.....	.....	2	.....	8	.....	s.	0	0	sm'h	.....	cloudy.
Bk. Hattie G. McFarland, Asphuwall, U.S.C.	.....	.....	76	24.4	.....	s.	.....	.....	1	.....	6	.....	se.	0	0	.....	.....	
Schr. Jennie N. Huddell, Wilmington, N.C.	.....	.....	30	— 1.1	.....	calm	.....	.....	0	.....	2	.....	.....	0	0	.....	.....	clear.
Bg. John Welsh, Jr., N. 26° 17′, W. 58° 20′†	30.05	763.3	.....	.....	.....	s.	.....	.....	4	.....	5	.....	s.	.....	.....	rg'h	s.	fair.
Schr. John Bird, N. 26° 05′, W. 67° 41′*†	29.90	759.4	.....	.....	.....	sw.	.....	.....	5	.....	3	.....	sw.	4 h'r	4 h'r	str'g	sw.	fine.
Schr. Jenny Greenbank, N. 33° 08′, W. 62° 04′*	29.83	757.7	58	14.4	.....	wnw.	.....	.....	2	.....	9	.....	nw.	4 h'r	4 h'r	long	wnw.	rainy.
Bg. L. & W. Armstrong, N. 28° 35′, W. 56° 00′†	30.06	763.5	.....	.....	.....	ssw.	.....	.....	4	.....	1	.....	s.	0	0	sm'h	ssw.	clear.
Light-house tender Laurel, Key West, Fla †	29.99	761.7	61	16.1	.....	n.	.....	.....	3	.....	10	.....	nnw.	0	0	.....	.....	cloudy.
S. S. Madrid, N. 38° 40′, E. 0° 23′	.....	.....	58	14.4	88	nne.	.....	.....	5	.....	5	.....	n.	c	0	mod.	nne.	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W.I*†	29.90	759.4	.....	.....	.....	.....	.....	.....	3	.....	5	.....	e.	0	0	.....	.....	fair.
Schr. Nellie T. Morse, N. 27° 31′, W. 71° 17′†	29.89	759.2	68	20.0	.....	nnw.	.....	.....	6	.....	10	.....	nw.;w.	10 h'r	10 h'r	large	var.	gloomy.
Bk. Sunbeam, N. 40° 51′, W. 25° 07′†	29.82	757.4	59	15.0	82	nnw.	.....	.....	6	.....	5	.....	n.	2 h'r	2 h'r	mod.	nw.	fair.
S. Stephen D. Horton, Antwerp, Belgium †	29.99	761.7	.....	.....	.....	ne.	.....	.....	3	.....	5	.....	ne.	0	0	.....	.....	fair.
S. Tsemogora, N. 49° 35′, W. 11° 52′*†	29.92	760.0	.....	.....	.....	s.	.....	.....	2	.....	6	.....	s.	0	0	short	var.	fair.
Bk. Tros, N. 49° 18′, W. 10° 41′*†	29.90	759.4	51	10.6	.....	var.	.....	.....	2	.....	2?	.....	wnw.	2 h'r	2 h'r	mod.	wnw.	cloudy.?
S. Vincenzo Accame, N. 37° 04′, W. 26° 16′†.	30.03	762.7	59.0	15	.....	nw.	.....	.....	6	.....	6	.....	nw.	1½ hr	1½ hr	h'vy	wnw.	
District No. 2—South Atlantic.																		
U. S. S. Pinta, S. 43° 03′, W. 62° 12′	29.61	752.1	65	18.3	89	wsw.	.....	.....	2	.....	10	.....	s.	.....	.....	sm'h	.....	hazy.
H. M. S. Amethyst, S. 49° 12′, W. 61° 06′	29.30	744.2	56.5	13.6	90	n.	.....	.....	2	.....	8	w.	.....	.....	.....	3	nne.	showery.
H. M. S. Opal, Simons Bay, Cape Colony	29.82	757.4	71	21.7	75	sse.	.....	.....	4	.....	2	ese.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, S. 38° 20′, W. 57° 03′	29.88	758.9	68.2	20.1	95	n	.....	.....	1	.....	6	calm	.....	.....	.....	2	n.	d. clouds.
H. P. M. S. Tejo, Noki, Guinea	29.98	761.5	83.3	28.5	95	calm	.....	.....	0	.....	7	.....	.....	0	0	.....	.....	d. clouds.
H. P. M. S. Rainha de Portugal, Benguela, Benguela	29.89	759.2	78.6	25.9	97	nw.	.....	.....	3	.....	3	.....	.....	0	0	2	.....	blue sky.
S. S. Hevalius, Buenos Ayres, La Plata *†	29.95	760.7	80	26.7	.....	nnw.	.....	.....	3	.....	2	.....	wsw.	0	0	.....	.....	clear.
S. S. Teniers, S. 13° 10′, W. 33° 16′	30.00	762.0	82.1	27.8	73	e.	.....	.....	6	ck	6 k	.....	wnw.	0	0	3	ene.	d. clouds.
Bk. Adelaide, S. 23° 08′, W. 42° 25′*†	30.11	764.8	80	26.7	.....	n.	.....	.....	1	.....	0	.....	.....	0	0	long	s.	hazy.
S. S. George S. Homer, S. 5° 04′, W. 33° 34′*†	29.94	760.5	.....	.....	.....	sse.	.....	.....	1	.....	4	.....	ne.	1 h'r	1 h'r	mod.	sse.	fair.
S. Grecian, S. 16° —′, W. 30° 38′ †	30.12	765.0	80	26.7	78	e.	.....	.....	5	.....	3	.....	e.	0	0	mod.	e.	clear.
S. Henry Falling, S. 9° 28′, W. 29° 46′*†	29.98	761.5	81	27.2	100	e.	.....	.....	5	.....	4	.....	e.	1 h'r	1 h'r	mod.	se.	fair.
Bk. Horace Scudder, Landano, Guinea*†	30.10	764.5	88	31.1	.....	sw.	.....	.....	2	.....	5	.....	wsw.	0	0	.....	sw.	fair.
S. Ismir, S. 44° 28′, W. 39° 25′ *†	30.19	766.8	.....	.....	.....	n.	.....	.....	5	.....	4	.....	n.	0	0	r'gh	n.	fair.
Bkt. Levanter, Montevideo, Uruguay*	29.92	760.0	72	22.2	.....	nne.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Mendoza, S. 36° 49′, W. 51° 56†.	30.15	765.8	.....	.....	.....	nne.	.....	.....	3	.....	.....	.....	nne.	0	0	r'gh	ene.	clear.
U. S. S. Nipsic, Buenos Ayres, La Plata*..	29.82	757.4	71	21.7	85	nnw.	.....	.....	2-3	.....	1	.....	w.	.....	.....	.....	.....	hazy.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.30	769.6	44.5	6.9	72	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Essex, Canton, China	30.10	764.5	67	19.4	89	ene.	.....	.....	1	.....	8	.....	ne.	.....	.....	.....	.....	cloudy.
U. S. S Juniata, Roze Island, Corea	30.38	771.6	43	6.1	83	se.	.....	.....	2	.....	10	.....	calm	0	0	.....	.....	cloudy.
U. S. S. Palos, Tientsin, China	30.50	774.7	31	— 0.6	89	wsw.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Ranger, Estero Real, Nicaragua	29.97	761.2	79	26.1	91	calm	.....	.....	0	.....	2	.....	.....	0	0	.....	.....	clear.
H. M. S. Audacious, Hong Kong, China	30.10	764.5	64	17.8	89	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Cleopatra, N. 22° 16′, E. 114° 10′	30.09	764.3	64	17.8	83	s.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Champion, Shanghai, China	30.19	766.8	55	12.8	81	sse.	.....	.....	1	.....	10	e.	.....	.....	.....	.....	.....	raining.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.13	765.3	57	13.9	90	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	light	se.	misty.
H. M. S. Magpie, N. 5° 24′, E. 100° 20′	29.84	757.9	85.5	29.7	76	calm	.....	.....	0	.....	2	.....	.....	6 minutes		.....	.....	blue sky.
H. P. M. S. Tamega, Macao, China	30.12	765.0	65.3	18.5	90	ne.	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
U. S. S. Monocacy, Hong Kong, China	30.11	764.8	65	18.3	73	ene.	.....	.....	2	.....	5	.....	ne.	.....	.....	.....	.....	hazy.
S. S. City of Chester, Eureka, Cal†	30.13	765.3	47	8.3	100	nw.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....	
S. S. Oregon, San Francisco, Cal †	30.08	764.0	52	11.1	79	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. Alameda, Honolulu, Sandwich Ids	.....	.....	71	21.7	85	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Ancon, Point Conception, Cal †	30.03	762.7	59	15.0	82	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	misty.
S. S. Geo. W. Elder, San Francisco, Cal	.....	.....	50	10.0	100	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. State of California, San Francisco, Cal †	30.07	763.8	48	8.9	85	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. City of Pekin, N. 30° 00′, W. 162° 15′†	30.07	763.8	65	18.3	84	sse	.....	.....	5	.....	5	.....	sw.	0	0	mod.	sse.	fair.
S. S. City of Rio de Janeiro, N. 34° 21′, E. 142° 18′ †	30.24	768.1	51	10.6	.....	ne	.....	.....	6	.....	.....	.....	ne.	.....	.....	mod.	ene.	clear.
S. S. City of Sydney, N. 2° 00′, W. 165° 28′*†	29.90	759.4	78	25.6	91	se.	.....	.....	2	2 c	.....	se.	.....	.....	.....	mod.	nw.	clear.
S. S. City of Tokio, Hong Kong, China†	30.13	765.3	66	18.9	74	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. Colima, Panama, Panama †	29.99	761.7	79	26.1	82	nw.	.....	.....	2	.....	3	.....	ne.	0	0	small	ene.	clear.
S. S. San Jose, N. 11° 57′, W. 86° 44′ †.	29.87	758.7	79	26.1	100	e.	.....	.....	4	.....	10	.....	ne.	0	0	mod.	wsw.	overcast.
S. S. Benalder, N. 31° —′, E. 132° —′	30.27	768.8	60	15.6	76	ne.	.....	.....	4-5	.....	7	.....	ne.	0	0	mod.	ene.	cloudy.
S. St. Francis, N. 41° 11′, W. 131° 45′ *†	30.36	771.1	49	9.4	64	ne.	.....	.....	2	.....	9	.....	n.	0	0	sm'h	n.	overcast.
District No. 4—South Pacific.																		
U. S. S. Wachusetts, Arica, Peru	29.96	761.0	67	19.4	94	e.	.....	.....	2	.....	2	.....	calm	.....	.....	long	sw.	fair.
H. M. S. Espiegle, S. 40° 32′, E. 172° 24′	30.32	770.1	58	14.4	82	sw.	.....	.....	2	.....	0	.....	.....	.....	.....	1	sw.	blue sky.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.33	770.4	63.3	17.4	75	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.93	760.2	73	22.8	95	ne.	.....	.....	1	.....	7	nw.	.....	.....	.....	.....	.....	d. clouds.
S. S. Zealandia, S. 34° 01′, E. 164° 46′	30.31	769.9	70	21.1	80	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Suez, Egypt	30.07	763.8	72	22.2	38	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Tourmaline, Nossi Be Island, Madagascar	29.82	757.4	81	27.2	96	wsw.	.....	.....	1	.....	2	.....	.....	.....	.....	sm'h	.....	blue sky.
S. Orealia, S. 39° 29′, E. 46° 50′*	30.07	763.8	.....	.....	.....	se.	.....	.....	6	.....	10?	.....	.....	16 h'r	16 h'r	mod.	wsw.	clear.?

International Chart I. March 1, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.
Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 2, 1884

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.91	759.6	64.0	17.8	76	sw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Rozière.
Algiers	.....	.....	29.85	758.3	58.3	14.6	70	sw.	.....	.....	1	.....	0	.....	.....	0.583	14.8	clear	Thève.
La Calle	.....	.....	29.82	757.4	58.3	14.6	81	w.	.....	.....	3	.....	5	.....	.....	0.118	3.0	cloudy	Fonfrède.
Tunis	.....	.....	29.83	757.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.97	761.1	57.2	14.0	32	sw.	.....	.....	2	.....	2	.....	.....	0	0	fair	Forfert.
Laghouat	.....	.....	29.98	761.5	63.3	17.4	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.90	759.5	57.9	14.4	55	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Gouxon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.20	767.1	64.2	17.9	71	calm	0	0	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.74	755.4	29.93	760.2	61	16.1	57	nw.	15	6.7	.....	.....	6	.....	nw.	0	0	fair	Com. J. Short, R.N.
Melbourne, Victoria	30.10	764.5	30.19	766.8	61.7	16.5	83	sse.	9	4.0	.....	.....	0	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.47	748.5	30.04	763.0	37.4	3.0	73	e.	.....	.....	1	.....	10	.....	.....	0.280	7.1	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.43	747.6	30.24	768.0	35.6	2.0	75	e.	20.6	9.2	.....	.....	7	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.30	744.1	30.21	767.3	39.2	4.0	63	calm	.....	.....	0	1 cs	.....	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.82	731 9	30.11	764.8	36.5	2.5	80	s.	.....	.....	1	.....	10	.....	.....	0.799	20.3	.....	Andreas Rospini.
Hermannstadt	28.72	729 6	30.20	767.1	41.7	5.4	65	se.	.....	.....	3	.....	6	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.65	727.6	30.04	762.9	36.1	2.3	87	e.	.....	.....	1	.....	10	.....	.....	0	0	cloudy	The Staff.
Lemberg	29.33	744.9	30.37	771.4	34.3	1.3	76	se.	.....	.....	4	.....	10	.....	.....	inap.	inap.	.....	Dr. T. Stanecki.
Pola	29.78	756.3	29.89	759.2	46.6	8.1	88	ne.	.....	.....	3	.....	10	.....	.....	1.685	42.8	.....	I. R. Hydrographic Office.
Szathmar	29.66	753.3	30.14	765.5	42.4	5.8	84	se.	.....	.....	4	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.77	756.1	30.05	763.3	48.9	9.4	54	e.	.....	.....	2	.....	10	.....	.....	0.031	0.8	.....	Karl Stancel.
Trieste	29.84	757.9	29.94	760.4	44.6	7.0	66	e.	.....	.....	4	.....	10	.....	.....	0.543	13.8	raining	Royal Academy.
Vienna	29.40	746.8	30.15	765.8	36.0	2.2	82	e.	.....	.....	1	.....	10	.....	.....	0.248	6.3	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.58	725.8	30.01	762.3	37.8	3.2	70	se.	.....	.....	—1	.....	3	ssw.	.....	0	0	.....	
Brussels	29.85	758.1	30.05	763.3	38.5	3.6	73	wnw.	.....	.....	2	10	.....	.....	.....	0	0	.....	
Furnes	29.97	761.1	29.98	761.6	42.6	5.9	71	s.	.....	.....	0–1	.....	0	.....	.....	0	0	.....	
Maeseyck	29.90	759.5	30.03	762.7	37.2	2.9	90	wnw.	.....	.....	1	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	30.07	763.8	30.17	766.3	40.7	4.8	74	sse.	17	7.6	.....	.....	9	.....	.....	0	0	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.11	764.8	41.4	5.2	57	ese.	12	5.4	.....	.....	2	.....	.....	.....	.....	blue sky	John Harnup.
Bolton, Sharples	29.56	750.8	30.10	764.5	39.6	4.2	69	ese.	.....	.....	.....	.....	6	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.70	754.4	30.10	764.5	39.1	3.9	73	se.	.....	.....	1	.....	7	.....	.....	0	0	d. clouds	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.00	762.0	30.03	762.7	80	26.7	72	ne.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Oardington	.....	.....	.....	.....	38.8	3.8	75	n.	.....	.....	0.4	.....	5	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E.	29.89	759.2	30.06	763.5	42.5	5.8	88	ne.	.....	.....	1	.....	9	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.86	758.4	30.10	764.5	43.2	6.2	77	e.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.42	696.5	29.73	755.1	80.2	26.8	64	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.89	759.2	29.93	760.2	47	8.3	92	se.	.....	.....	3	.....	6	.....	.....	0.05	1.3	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.98	761 5	30.08	764.0	61.2	16.2	88	e.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.90	759.4	30.07	763.8	43.3	6.3	59	n.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.79	756 7	30.09	764.3	40.2	4.6	87	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	overcast	A. Collenette, F.R.M.S
Kew, Observatory	30.06	763.5	30.10	764.5	40.7	4.8	55	n.	7	3.1	.....	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.84	757 9	30.11	764.8	41.5	5.3	66	ne.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.88	758.9	29.96	761.0	59.6	15.3	79	nw.	.....	.....	2	.....	8	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.95	760.7	30.00	762.0	66.0	18.9	50	nw.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.87	758.7	30.10	764.5	42.0	5.6	68	ne.	.....	.....	3	.....	8	.....	.....	.....	.....	threatening	The Staff.
Plymouth	30.00	762.0	30.07	763.8	43.7	6.5	70	e.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.99	761.7	30.09	764.3	40.5	4.7	80	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.10	764.5	30.17	766.3	51.2	10.7	79	calm	.....	.....	0	.....	10	.....	.....	blank	blank	misty	W. H. Lyne.
Sheffield	29.82	757.4	30.11	764.8	43.6	6.4	64	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	30.06	763.5	30.09	764.3	43.2	6.2	76	e.	.....	.....	3	.....	5	.....	.....	0.040	1.0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.12	765.0	42.0	5.6	58	e.	8	3.6	.....	.....	7	.....	.....	blank	blank	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	42.5	5.8	66	n	.....	.....	1.5	.....	2	.....	.....	.....	.....	blue sky	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.88	758.9	29.90	759.4	50.6	10.3	80	se.	32	14.3	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.56	750.8	29.95	760.7	59.0	15.0	68	w.	11.2	5.0	.....	0	6 n	.....	w.	0	0	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.90	759.4	30.02	762.5	61.8	16.6	92	ne.	4	1.8	.....	2 ck	.....	wsw.	.....	0	0	clear	The Staff.
CANADIAN.																			
Bathurst, N. B	29.63	752.6	29.67	753.6	— 1.0	—18.3	.....	sw.	2.5	1.1	.....	0	1 n	.....	.....	0	0	blue sky	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.68	753.9	29.73	755.1	9	—12.8	100	sw.	8	3.6	.....	0	0	.....	.....	0.25	6.3	clear	H. J. Cundall, C. E.
Chatham, N. B*	29.63	752.6	29.69	754.1	— 4	—20.0	100	w	1	0.4	.....	0	0	.....	.....	0	0	clear	G. A. Blair.
Cornwall, Ontario	29.56	750.8	29.77	756.1	—18.8	—28.8	100	w.	.....	.....	1	.....	fg.	.....	.....	0	0	dense fog	Jas. Smith, M. A.
Dalhousie, N. B	29.60	751.8	29.66	753.4	1.5	—16.9	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	29.62	752.3	29.64	752 8	4	—15.6	91	nw.	15	6.7	.....	0	5 ks	.....	nw.	0.20	5.1	clear	J. McWilliams
Fort Garry, Manitoba*	28.94	735.1	29.87	758.7	— 2	—18.9	87	nw.	16	7.2	.....	0	0	.....	.....	0.15	3.8	clear	James Stewart.
Fredericton, N. B	29.71	754.6	29.78	756.4	—7.9	—22.2	100	calm	0	0	.....	0	0	.....	.....	inap	inap.	blue sky	Dr. Thos. Harrison.
Grand Manan, N. B	29.76	755.9	29.82	757.4	10	—12.2	80	w.	3	1.3	.....	0	0 s	.....	.....	0	0	cloudy	J. Chipman Seeley
Granton, Ontario	28.62	726.9	29.89	759.2	—15.9	—26.6	89	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.66	753.4	29.80	756 9	11	—11.7	96	w.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	A. Allison.
Hamilton, Ontario	29 36	745.7	29.80	756.9	10.5	—11.9	79	w.	.....	.....	1	4 c	0	w.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.41	747.0	29.78	756.4	1	—17.2	79	w.	1	0.4	.....	10 k	0	w.	.....	0	0	fair	A. P. Knight, M. A.
Little Glace Bay, N. S	29.71	754.6	29.75	755.6	25.0	— 3.9	87	sw.	3	1.3	.....	4 k	0	.....	.....	0	0	fair	C. H. Rigby.
London, Ontario	28.84	732 5	29.88	758.9	—13.4	—25.2	90	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.71	703 8	30.13	765 3	19	— 7.2	100	ne.	15	6.7	.....	.....	10 n	.....	.....	0.07	1.8	cloudy	John Ewart.
Minnedosa, N. W. T	27.93	709.4	30.12	765.0	— 9	—22.8	100	n.	30	13.4	.....	0	0	.....	.....	0.14	3.6	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.58	751.3	29.82	757.4	— 6	—21.1	95	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.57	751.1	29.84	757.9	—32.1	—35.6	100	wsw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.05	737.9	29.88	758 9	—25	—31.7	76	n.	1	0.4	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	28.98	736.1	29.83	757.7	—14.6	—25.9	95	ne.	.....	.....	1	4 c	0	ne.	.....	0	0	misty	Wm. O'Connor, M.A.
Port Arthur	28.89	733.8	29.65	753.1	7	—13.9	76	n.	3	1.3	.....	.....	10 n	.....	.....	0	0	cloudy	W. P. Cooke.
Port Dover, Ontario	29.02	737.1	29.79	756.7	— 1	—18.3	100	n.	10	4.5	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.12	739.6	29.85	758.2	— 6	—21.1	95	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27.73	704.3	30.33	770.4	—12	—24.4	.....	n.	4	1.8	.....	0	0	.....	.....	0.05	1.3	clear	Leslie Gordon.
Quebec, Quebec*	29.36	745.7	29.70	755.9	— 2	—18.9	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	Capt. Asne, R. N.
Rockliffe, Ontario*	29.32	744.7	29.86	758.4	—30	—34.4	74	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.74	755.4	29.79	756.7	6	—14.4	95	nw.	3	1.3	.....	.....	10 n	.....	.....	0	0	cloudy	
St. John, N. B	29.61	752 1	29.76	755.9	3.3	—15.9	98	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.73	755.0	24.8	— 4.0	.....	w.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.43	747.5	30.10	766 1	—15	—26.1	73	calm	0	0	.....	0	0	.....	.....	0	0	clear	
Stratford, Ontario	28.43	722.1	29.80	756.9	—15.4	—26.3	100	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A.

STATIONS.	Barometer: Corrected for instrumental error and for temperature. Inch.	Barometer: Corrected for instrumental error and for temperature. Mill.	Barometer: Reduced to sea-level. Inch.	Barometer: Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill	Weather.	Observers.
CANADIAN.—Continued.																			
Sydney, C. B *	29.70	754.4	29.77	756.1	18	— 7.8	87	sw.	9	4.0			10 k		sw.	0.01	0.3	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.39	746.5	29.81	757.2	0	—17.8	83	n.	7	3.1			10 ks		w.	0	0	cloudy	**Magnetic Observatory.**
Woodstock, Ontario	28.68	728.5	29.87	758.7	— 4.6	—20.3	79	sw.	1	0.4		0	8 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.73	755.1	29.80	756.9	13	—10.6	73	e.	4	1.8		10 k	0	w.		0.04	1.0	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.85	758 2	29.88	758.9	74.0	23.3	90	ne.				0	0			0.080	2.0	fine	I. Garfelt.
Cape Town, The Castle	29.70	754.4			70.2	21.2	64	sw.				7 c;k	0			0	0		**Capt.R.Gardner Warton**
Springbok Fontein	27.88	708.1			77	25.0	53									0	0		J. F. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.72	754.9	29.83	757.6	53.6	12.0	67	e.			4	0	0			0	0	clear	**Federico Köhling.**
Punta Caldera																			**Manuel Tobar.**
Punta Corona																			**Francisco Alvarado.**
Quiriquina					65.3	18.5	83	se.			1	0				0	0	clear	**Leon Herrera.**
Valparaiso	29.84	757.9	29.98	761.5	61.2	16.2	87	n.			1	3 c	0					fair	**Paez-i-Ampuero.**
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.97	761.2	29.99	761.8	46.9	8.3	95	nw.	6.0	2.7			10 n			0.610	15.5	raining	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	30.28	769 0	30.32	770.2	32.9	0.5	87	se.	27	12			10						Oversergent Fischer.
Fanöe	30.17	766.4	30.19	766.9	34.5	1.4	94	e.			4		10						Overloerer Lauridsen.
Godthaab, Greenland	28 94	735.0	28.98	736.1	11.3	—11.5	100	n.			2		10						S. Kleinschmidt.
Ivigtut, Gree land	28 66	727.9	28.68	728.4	26.8	— 2.9		n.			4		8						
Stykkisholm, Iceland	29.13	739.8	29.17	740.9	43.9	6.6	83	se.			7		10					raining	A. O. Thorlacius.
Thorshavn	29.84	758.0	29.87	758.6	42.6	5.9	93	se.	20	9			10					raining	Overloerer Bergh.
Upernavik, Greenland	29.19	741.5	29.24	742.7	—25.8	—32.1		e.			2		0						
Vestervig	30.14	765.6	30.23	767.9	32.2	0.1	92	ene.			6		10					snowing	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	30.00	762.0			71.6	22		e.	8.9	4.0			0			0	0		Albert Ismaïun, **Dir.**
FRENCH.																			
Agen, Normal School	29.38	746.2	30.04	762 9	50.0	10.	74	wnw.			1	1 c				0	0	den e mist	M. Labroue, Director.
Alençon, Normal School	29.50	749.4	30.06	763.4	41.0	5	90	nw.			1	c	cs		se.	0	0	clear	M. Nicot, Director.
Arras, Normal School	29.79	756.7	30.04	763.0	40.6	4.8	76	sse.			2		2		nw.	0	0	slightly cl'dy	**M. Ungerer, Director.**
Avignon, Normal School	29.87	758.6	29.95	760.6	56.1	13.4	43	nnw.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.45	748.1	30.03	762.7	41.7	5.4	70	ssw.			1		5 kn		sw.	0	0	cloudy	M. Saillard, **Director.**
Beauvais, Normal School	29.80	756.8	30.07	763.8	38.8	3.8	60	e.			1		5			0	0	cloudy	M. Frère Eugène **Marie.**
Besançon, Normal School	29.04	737.6	29.95	760.8	44.6	7	83	ne.			1	c			n.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.72	755.0	29.99	761.7	48.0	8.9	59	ne.			1		5			0	0	fair	M. Rayet, Director.
Bourges, Normal School	29.46	748.3	30.07	763.7	44.8	7.1	70	n.			2		1		n.	0	0	clear	M. **Sauvageot,** Director.
Brest, Naval Observatory	29.86	758.4	30.10	764.6	55.8	13.2	66	**se.**			1		1		se.	0	0		M. de Kermarée, Dir.
Caen, Normal School	30.00	762.0	30.08	763 9	46.4	8	94	nnw.			1		2		n.	0	0	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.69	754.0	30.01	762.3	44.8	7.1	61	ne.			1		2			0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.50	749.2	30.02	762.6	42.4	5.8	77	ene.			1		10		s.	0	0	covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28 58	726 0	29.95	760.8	48.2	9.0	53	w.			1	2 c				0	0		M. Allnard, Director.
Cluny, Normal School	29.16	740.7	30.06	763.5	44.6	7.0	55	n.			1		2			0	0	slightly cl'dy	M. de Villemontée, Dir.
Commercy, Normal School	29.15	740.4	30.04	763.1	39.9	4.4	52	e.			1		5 kn	e	e.	0	0	cloudy	Dr. Coulet, Director.
Gap, Normal School	27.39	695.6	29.93	760.2	50.7	10.4	70	s.			2		0			0	0		M. Jarach, Director.
Grenasque, du Rhone	28.78	731.0	29.90	759.4	57.4	14.1	78	s.			2		5		s.	0	0		M. Kina, Director.
Grenoble. Normal School	29.18	741.2	29.95	760.8	50.7	10.4	65	e.			1		0			0	0	clear	M. Ablard, Director.
Guéret, Normal School	28.37	720.5	29.95	760.8	47.3	8.5	78	ne.			1		2 k		ne.	0	0	slightly cl'dy	M. Delorme, Dir.
Lambal'e Normal School																			**M. Poilpre, Dir.**
Lescar, Normal School	29.42	747.2	29.98	761.5	55.4	13.0	48	w.			1	c				0	0		M. Chauvin, Director.
Lorient, Naval Observatory	29.99	761.7	30.09	764 3	51.1	10.6	54	ese.			1		5		ese.	0.004	0.1	½ covered	**L . T. Carre,** Director.
Lyon, St. Genis-Laval	28.93	734 9	30.02	762.6	42.4	5.8	66	ene.			1	c				0	0	misty	M. André, Director.
Mans, Normal School	29.77	756.1	30.09	764.2	40.3	4.6	84	ne.			4	8 ck			ne.	0	0	very cloudy	M. Richard, Director
Marseille, Observatory	29.63	752.7	29.90	759.5	59.0	15.0	60	s.			2		2		se.	0	0		M. Stephan, Director.
Montlouis	24.63	625.7	29.48	748.7	41.0	5.0	54	n.	5.6	2.5			0			0	0		M Cave for Dr. **Fines.**
Montpellier, Normal School	29.60	751.9	29.71	754 7	57.2	14	57	e.			2		5	n.		0	0	fair	M. Gaizin, Director.
Nancy, Normal School	29.21	741 9	30.03	762.7	41.4	5.2	56	n.			1	ck			e.	0	0		**M. Hasse, Director.**
Nantes, Observatory	29.93	760.3	30.10	764 4	44.1	6.7	63	ne.			1–2		7k;kn			0	0		M. Larocque, Director.
Perpignan, Observatory	29.85	758 2	29.96	761 0	56.5	13.6	65	e.	5.6	2.5			1	sw.		0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.01	533.7			20.7	— 6.3		ne.			1		5		w.	0	0	cloudy	**M. Vaussenat, Director.**
Privas, Normal School	28.88	733 6	29.96	760.9	49.6	9.8	60	calm			0		0			0	0	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	25 02	635.5			33.4	0.8	76	w.			1		2			c	0		M Allnard.
Rochefort, Naval Obs'y	30.00	762.0	30.03	762.8	49.3	9.6	64	ne.			1		0			c	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.91	759 8	30.09	764 3	45.3	7.4	57	ne.			4				ne.	0	0		M. Brotlier, **Director.**
Rodez, Normal School	27.78	705.7	29.94	760.4	49.5	9.7	64	nw.			1		ks		se.	0	0		M. Seger, Director.
Rouen, Normal School	30.03	762.8	30.08	764.0	43.5	6.4	60	n.			1		2		ne.	0	0	slightly cl'dy	M. Moullot, Dir.
Saint Maur, Observatory	29.89	759.2	30.06	763.4	39.9	4.4	63	n.			1		6		ssw.	0	0		M. Renou, Director.
Toulouse, Observatory	29.28	743.8	30.01	762 2	50.5	10.3	61	wsw.			1		5	w.		0	0	cloudy	M. Baillaud, Director.
Tours	29.86	758.5	30.04	763.1	45.3	7.4	57	ne.			1		5			0	0	cloudy	M. de Tastes.
Versailles, Observatory	29.56	750.8	30.05	763.3	37.4	3.0	72	e.			1		0			0	0	clear	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.85	758.2	30.00	762 0	55.2	12.9	59	n.	4.0	1.8		4 ck			w.	0	0		M. Cartier, Director.
GERMAN.																			
Anshach	28.58	726.0	30.68	764.0	39.6	4.2	62	e.			2		8	e.		0	0		Prof. Juedt.
Bamberg	29.17	740.8	30.01	762.2	41.9	5.5	67	e.			2		7 k		e.	0	0		Prof. Dr. Hoh.
Berlin	30.04	763 1	30.19	766.9	34.9	1.6	75	e.			2		10			0.071	1.8	snowing	Meteorological Institute
Breslau	29.72	755.0	30.26	768.6	33.4	0.8	75	ese.			3		10			0	0		Royal University Obs'y
Carlsruhe	29.56	750.7	30.02	762 6	42.8	6.0	59	e.			1		0			0	0		Albert Senz.
Cassel	29.32	744.6	30.03	762.7	42.4	5.8	63	se.			2		7	se.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.67	753.7	30.05	763.2	41.7	5.4	57	ese.			1		10			0	0		Physical Society.
Friedrichshafen	28.56	725.3	30.01	762 3	40.3	4.6	78	w.			2		2	w.		0	0		Wilhelm, Chief Tel.
Hamburg	30.07	763.8	30.16	766.1	35.2	1.8	88	ese.			4		10			0.012	0.3		E. Preller.
Kiel	30.16	766.1	30.18	766 5	35.8	2.1	83	e.			4		10			0.008	0.2		Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.69	754 1	30.12	765.1	41.5	5.3	74	ese.			2		9	ese.		0.043	1.1		H. Leppig, Asst.
Magdeburg	29.95	760 6	30.14	765.6	38.1	3.4	83	e.			2		10			0.024	0.6	foggy	Weather Observatory.
Memel	30.52	775.1	30.56	776.3	33.6	0.9	86	se.			3		10 ks						Issermann.
Munich	28 16	715.2	30.02	762.5	36.9	2.7	75	se.			2		10	e.		0.004	0.1		Central Station.
Neufahrwasser	30.43	772.9	30.45	773.3	35.6	2.0	80	se.			2		10			0	0		A. Lothes.
Neustadt, Palatinate	29.47	748.5	29.99	761.7	43.9	6.6	56	w.			1		7	w.		0	0		Prof. Dickmether.
Stuttgart	29.06	738.0	29.97	761.2	42.8	6.0	60	s.			1		7	s.		0	0	dense fog	Prof. Dr. Schoder.
Wustrow	30.20	767.0	30.22	767.6	34.2	1.2	82	ese.			2		10 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.70	754.4	30.08	764.1	65.7	18.7		se.			1.0	8	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.87	758.6	29.92	759 9	80.1	26.7	71	w.	24.0	10.8			0			0	0	blue sky	
Deesa	29.40	746.8	29.86	758.6	94.0	34.4	4	wsw.	6.0	2.7			0			0	0	blue sky	
Bombay	29.80	756.8	29.84	757.8	81.9	27.7	70	nw	16.0	7.2			0			0	0	blue sky	
Poona, Yarrowda	28.01	711.5	29.82	757.3	93.5	34.2	12	se.	6.0	2.7			0			0	0	blue sky	
Belgaum	27.32	694.0	29.79	756.7	91.0	32.8	20	ene.	7.0	3.1			3	w.	e.	0	0	d. clouds	
Lahore	29.18	741.0	29.93	760.1	75.9	24.4	24	nw.	4.0	1.8			0			0	0	blue sky	
Roorkee	28.95	735 3	29.85	758 2	78.7	25.9	15	w.	9.0	4.0			0			0	0	blue sky	
Agra	29.33	745.0	29.90	759.4	84.2	29.0	17	w.					0			0	0	blue sky	
Nagpur	28.82	732 1	29.85	758.1	91.1	32.8	15	ene.	3.0	1.3			0			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
INDIAN.—Continued.																			
Jubbulpore	28.55	725.3	29.91	759.6	82.4	28.0	24	nw.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Lucknow	29.48	748.7	29.86	758.3	78.7	25.9	18	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Allahabad	29.57	751.1	29.89	759.1	81.1	27.3	28	nw.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.65	753.1	29.84	757.8	79.8	26.6	22	wnw.	5.5	2.5	.....	.....	2	wnw.	wnw.	0	0	.....	
Hazaribagh	27.86	707.7	29.89	759.2	73.4	23.0	26	wnw.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.78	756.5	29.86	758.6	86.3	30.2	60	e.	2.0	0.9	.....	.....	2	.....	.....	0	0	d. clouds	
Calcutta, Alipore	29.85	758.2	29.87	758.8	77.8	25.4	39	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Dhubri	29.73	755.1	29.85	758.2	73.9	23.3	47	calm	1.2	0.5	.....	.....	0	.....	.....	0	0	blue sky	
Chittagong	29.84	757.8	29.93	760.1	75.1	23.9	89	s.	6.6	3.0	.....	.....	9	.....	.....	0.04	1.0	d. clouds	
Sibsagar	29.55	750.6	29.90	759.3	66.5	19.2	81	ne.	2.0	0.9	.....	.....	10	w.	w.	0.83	21.1	overcast	
Jeypore	28.45	722.6	29.88	759.0	85.6	29.8	18	nw.	7.1	3.2	.....	.....	3	nnw.	.....	0	0	d. clouds	
Zanzibar	29.80	756.9	29.82	757.5	88.6	31.4	54	ene.	9.0	4.0	.....	.....	2	e.	.....	0	0	d. clouds	
Bellary	28.34	719.8	.....	.....	93.2	34.0	24	n.	4	1.8	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.03	752.6	.....	.....	89.8	32.1	30	ene.	0.3	0.1	.....	0	0	.....	.....	0	0	blue sky	
ITALIAN.																			
Udine	29.53	750.0	29.95	760.8	45.3	7.4	79	ne.	4.3	1.9	.....	.....	10	.....	.....	0.213	5.4	.....	Prof. Giovanni Clodig.
Milan	29.45	748.1	29.98	761.5	38.7	3.7	59	w.	3.8	1.7	.....	.....	4	sw.	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	29.83	757.6	29.94	760 5	50.4	10.2	59	nne.	8.7	3.9	.....	.....	10	ne.	.....	0.173	4.4	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.05	737.8	29.96	761.0	49.3	9.6	60	nw.	0	0	.....	.....	7	n.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.71	754.7	29.91	759.6	50.5	10.3	54	n.	9.4	4.2	.....	.....	0	.....	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	29.88	758.9	29.93	760.2	43.5	6.4	89	nw.	21.7	9.7	.....	.....	10	.....	.....	0.335	8.5	.....	Prof. Luigi Guidi.
Florence	29.63	752.7	29.89	759.2	52.7	11.5	55	n.	.....	.....	4	.....	3	.....	.....	0.098	2.5	.....	Prof. Costantino Pittei.
Leghorn	29.68	753.8	29.84	758.0	54.1	12.3	65	ene.	7.4	3.3	.....	.....	3	.....	.....	0.039	1.0	.....	Prof. P. Monte.
Rome	29.68	753.9	29.86	758.4	56 1	13.4	59	n.	1.8	0.8	.....	.....	8	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	29.61	752.2	29.87	758.7	55.0	12.8	88	se.	17.4	7.8	.....	.....	10	se.	.....	0.197	5.0	.....	Prof. C. de Giorgi.
Cosenza	28.91	734.2	29.81	757 1	51.8	11.0	75	sw.	2.5	1.1	.....	.....	9	w.	.....	0.201	5.1	.....	Prof. D. Conti.
Palermo	29.63	752.6	29.88	759.0	58.1	14.5	63	e.	3.1	1.4	.....	.....	9	w.	.....	0.020	0.5	.....	Prof. G. Caccinatore
Syracuse	29.76	755.9	29.80	757.0	62.0	17.0	64	ene.	6.3	2.8	.....	.....	7	wnw.	.....	0.256	6.5	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.40	746.8	.....	.....	54.9	12.7	73	s.	1.3	0.6	.....	.....	7	w.	.....	0.933	23.7	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.24	768.1	30.27	769.0	25.9	— 3.4	100	calm	.....	.....	0	0	0	.....	.....	0	0	clear	H. Hattori.
Awomori	30.22	767.6	30.26	768.6	27.4	— 2.6	79	w	4.1	1.8	.....	.....	9 ck	.....	w.	0	0	cloudy	K. Ogawa.
Hakodate	30.24	768.1	30.25	768.3	21.0	— 6.1	70	ese.	2.4	1.1	.....	0	1 s	.....	.....	0	0	clear	Y.Souma.
Hamamatsu	30.08	764.0	30.18	766.5	47.9	8.8	92	ene.	.....	.....	2	.....	10 s	.....	.....	0.354	9.0	covered	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.24	766.1	30.25	768.3	43.7	6.5	92	e.	0.6	0.3	.....	.....	10 n	.....	sw.	0.815	20.7	raining	Y. Okamoto.
Kagoshima	30.03	762.8	30.04	763.1	57.0	13.9	93	calm	.....	.....	0	.....	10 n	.....	.....	0.942	23.9	light rain	
Kanazawa	30.11	764 8	30.22	767.5	38.6	3.7	79	e.	2.7	1.2	.....	1 ck	8 s	.....	.....	0.281	7.1	cloudy	S. Endo.
Kioto	30.02	762.4	30.19	766.8	42.5	5.8	89	ne.	0.4	0.2	.....	.....	10 n	.....	.....	0.600	15.2	raining	M. Tojima.
Kochi	30.10	764.6	30.13	765.1	52.1	11.2	93	ese.	4.3	1.9	.....	.....	10 n	.....	.....	1.470	37.3	raining	K. Kusunose.
Miasaka	30.04	762.9	30.06	763.6	52.7	11.5	95	nw.	.....	.....	1	.....	10 n	.....	e.	0.886	22.5	raining	K. Masusaki & T. Ishitain.
Miyako	30.17	766 2	30.28	769 c	27.6	— 2.4	88	wsw.	4.3	1.9	.....	.....	10 s	.....	nw.	0	0	raining	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.80	756.9	30.01	762.2	50.6	10.3	96	nne.	0.9	0.4	.....	.....	10 n	.....	.....	0.920	23.4	raining	
Nemuro	30.18	766.6	30.23	767.8	19.0	— 7.2	40	calm	0	0	.....	0	0	.....	.....	0	0	clear	A Shibuya.
Niigata	30.22	767 6	30.26	768.6	34.5	1.4	79	e.	0.7	0.3	.....	0	8ks;s	.....	w.	0	0	cloudy	Satoo & Tomikawa.
Nobirn	30.23	767.9	30.25	768.3	28.6	— 1.9	93	nnw.	4.1	1.8	.....	0	0	.....	.....	0	0	clear	Yoshino & Midaushina.
Numadzu	30.17	766.3	30.20	767.2	44.0	7.0	88	ese.	.....	.....	2	.....	10 n	.....	.....	0.224	5.7	light rain	T. Ohgi.
Osaka	30.17	766.2	30.18	766.6	42.9	6.1	90	ne.	8.1	3.6	.....	.....	10 n	.....	.....	0.520	13.2	light rain	H. Omura.
Sakai	30.18	766.5	30.19	766.7	43.1	6.2	89	e.	.....	.....	2	.....	10 ks	.....	e.	1.232	31.3	cloudy	Yamawchi & Sakamoto.
Sapporo	30.07	763.8	30.14	765.5	20.0	— 6.7	93	calm	0	0	.....	0	0	.....	.....	0.089	2.2	clear	S. Kimura.
Shimonoseki	29.95	760.8	30.10	764.5	43.0	6.1	97	e.	.....	.....	2	.....	10 n	.....	.....	0.945	24.0	raining	S. Sakano
Tokei Obs'y, Yeddo	30.16	766 1	30.24	768.1	41.4	5.2	85	nne.	6.3	2.8	.....	.....	10 s	.....	.....	0.176	4.5	covered	The Staff.
Wakayama	30.10	764.5	30.15	765 9	46.2	7.9	86	calm	0	0	.....	.....	10 n	.....	.....	0.323	8.2	raining	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.72	754.9	29.90	759.4	82.3	27.9	69	ene.	10.0	4.5	.....	1 c	3 k	.....	.....	0	0	fair	The Staff.
MEXICAN.																			
Leon	24.28	616.7	30.06	763.5	48.2	9.0	71	nnw.	0.9	0.4	.....	0	0	.....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.66	753.2	29.92	759.9	67.0	19.4	74	nne.	1.6	0.8	.....	.....	10 on	.....	sw.	0	0	foggy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.05	763.3	30.05	763.3	42.4	5.8	.....	wsw.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Groningen	30.03	762.8	30.09	764.2	35.6	2.0	.....	se.	.....	.....	1	.....	.....	.....	.....	0.051	1.3	.....	
Helder	30.05	763.3	30.05	763.3	30.3	2.4	.....	e.	.....	.....	2	.....	.....	.....	.....	0.003	1.6	.....	
Hellevoetsluis	30.03	762.8	30.03	762 8	39.4	4.1	84	e.	.....	.....	1	.....	.....	.....	.....	0.098	2.5	.....	
Utrecht	30.03	762 7	30.08	763.9	34.2	1.2	91	nw.	.....	.....	2	.....	10	.....	.....	0.185	4.7	snowing	H. vanider Brink.
Sub-series.																			
Batavia, Java	29.85	758.1	.....	.....	75.2	24.0	96	wnw.	0	0	.....	.....	10	.....	.....	0.051	1.3	.....	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.26	768.5	30.32	770.1	37.4	3.0	62	s.	2	1	.....	.....	1	.....	.....	0	0	.....	
Brono	30.32	770 2	30.36	771.2	42.6	5.9	50	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Christiania	30.37	771.5	30.53	775.5	20.1	— 3.3	78	e.	9	4	.....	.....	10	.....	.....	0	0	.....	
Gjesvær	30.10	764.5	30.12	765.1	40.8	4.9	.....	w.	.....	.....	9	.....	10	.....	.....	0.189	4.8	.....	
Lodingen	30.39	771.8	30.43	773.0	37.0	3.1	79	wsw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	29.74	755 3	29 82	757.5	60.1	15.6	62	nnw.	13.0	5.8	.....	.....	10	.....	.....	0.516	13.1	rain & fog	Capt. D. A. de Cunha.
Lisbon, Observatory	29.05	753.1	29.99	761.7	56.7	13.7	71	ne.	13.6	6.1	.....	.....	2	.....	.....	0.083	2.1	.....	The Staff.
Ponta Delgada, Azores	30.13	765.2	30.20	767.0	64.0	17.8	82	sw.	4.9	2.2	.....	.....	3	.....	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.02	762.5	30.06	763.5	69.3	20.7	76	e.	.....	.....	5	.....	9	.....	.....	0	0	raining	
San Salvador, Congo	27.96	710 1	29.76	755.9	84.4	29.1	64	sw.	.....	.....	1	.....	5	.....	.....	.....	.....	.....	
Serra da Estrella	25.21	640.2	29.97	761.3	43.5	6.4	68	nnw.	13.6	6.1	.....	.....	5	.....	.....	0.004	0.1	.....	
RUSSIAN.																			
Akmolinski	29.23	742.5	30.48	774.1	— 8.9	—22.7	84	nw.	9	4	.....	1 c	0	.....	.....	0	0	light clouds	Major K. Lasarew.
Archangel	30.43	772.8	30.45	773.3	20.1	— 6.6	87	w.	9	4	.....	.....	10	.....	.....	0	0	.....	Capt. Sseliwerstow
Ashurada	30.42	772 7	30 33	770.3	50.5	10.3	81	wnw.	20	9	.....	0	3 k	.....	.....	0	0	h'vy clouds	
Astrakhan	30.58	776.8	30.50	774.8	28.0	— 1.9	78	e.	10	7	.....	.....	10 ks	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.43	772.8	30.38	771.6	43.7	6.5	86	nnw.	4	2	.....	.....	9 kn	.....	.....	0	0	.....	
Barnaul	29.71	754.5	30.27	768 9	— 3.6	—19.8	70	sw.	9	4	.....	.....	9	.....	.....	inap.	inap.	.....	Meteorological Office.
Bielosersk	30.16	766.1	30.68	779 2	15.1	— 9.4	97	calm	0	0	.....	.....	10 s	.....	.....	0	0	.....	
Dorpat	30.46	773.6	30.72	780.3	25.3	— 3.7	84	sse.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Observatory.
Ekaterinburg	29.58	751.3	30.64	778 3	10.2	— 12.1	49	sw	2	1	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y
Elissawetgrad	30.01	762.2	30.48	774.2	39.3	2.4	75	e.	7	3	.....	.....	10 s;n	.....	.....	0	0	.....	
Kakan	30.41	772.4	30.71	778.9	20.8	— 0.2	69	wsw.	2	1	.....	.....	10	.....	.....	0	0	.....	Observatory.
Kem	30.49	774.4	30.54	775.7	23.0	— 5.0	81	w.	13	6	.....	.....	0	.....	.....	0	0	.....	
Kerteh	30.32	770.1	30.34	770.7	37.0	3.3	88	calm	0	0	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Sastyrea
Kieff	29.81	757.1	30.48	774.2	34.0	1.1	90	ne.	7	3	.....	.....	10 n	.....	.....	blank	blank	.....	Observatory.
Koslov	30.11	764.9	30.67	779.9	21.2	— 6.0	88	ese.	2	1	.....	.....	10 s	.....	.....	.....	.....	.....	
Lgov	30.01	762 2	30.65	778.4	20.8	— 6.2	82	ene.	16	7	.....	.....	10	.....	.....	blank	blank	.....	R. I. Ssaweljew, Engin'r.
Libau	30.57	776 4	30.59	777.0	31.3	— 0.4	94	se.	11	5	.....	.....	10	.....	.....	.....	.....	.....	[illegible]
Lugan	30.19	766.8	30.41	772.4	23.2	— 4.9	84	e.	22	10	.....	.....	10	.....	.....	0.213	5.4	light clouds	Meteorological Obs'y
Moscow	30.22	767.5	30.75	781.0	17.8	— 7.9	65	calm	0	0	.....	0	3 s	.....	.....	0	0	.....	Meteorological Obs'y
Nertschinsk	28.02	711.8	30.60	777.2	— 1.5	—18.6	70	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Nikolaiev	30 35	771.0	30.43	772.8	35.6	2.0	94	calm	0	0	.....	.....	10 n	.....	.....	0	0	light clouds	Capt. Kurdakow.

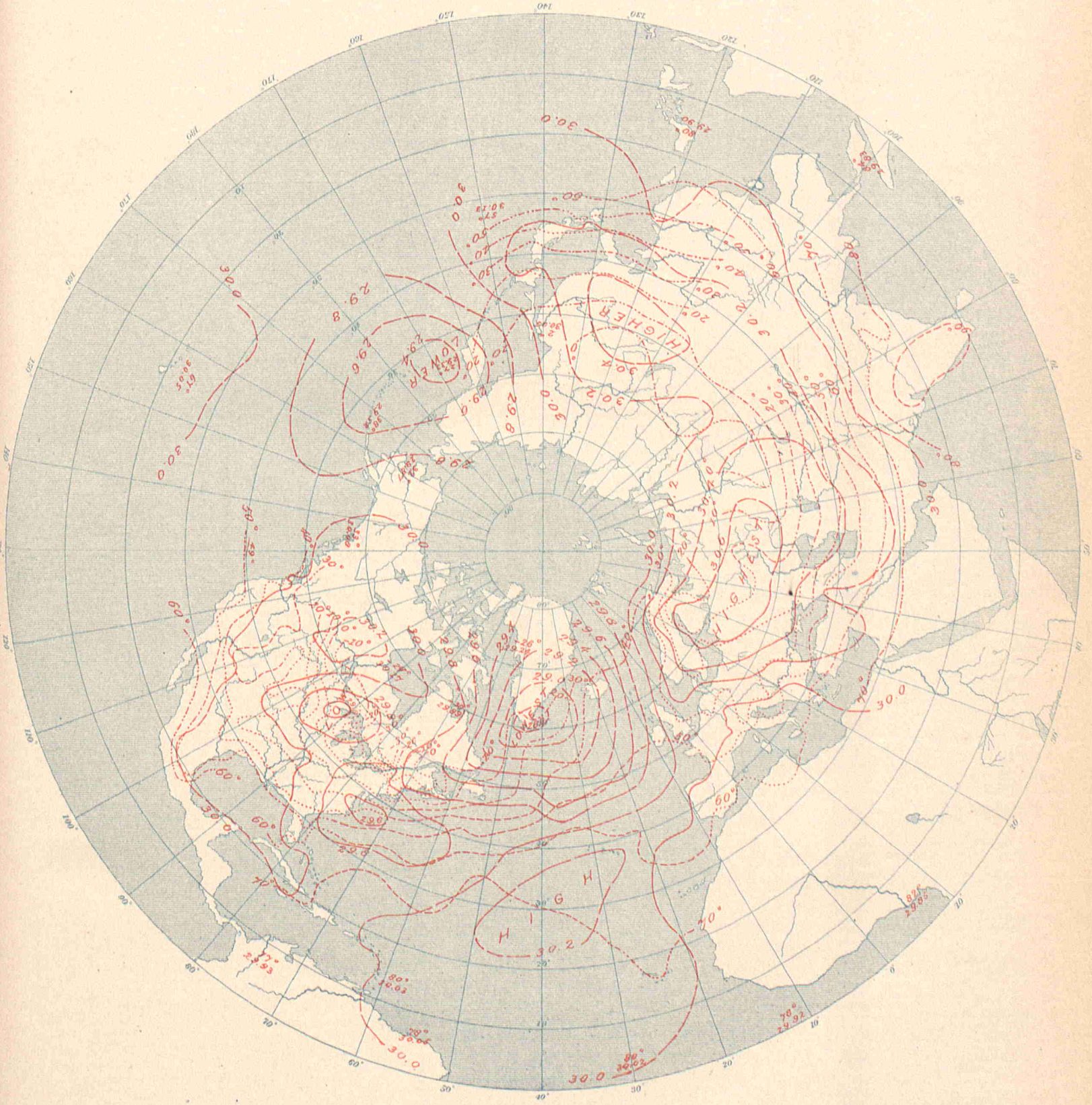
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.96	761.0	30.05	763.2	1.9	—16.7	46	w.	4	2	.....	2 c	0	.....	.....	.....	.....	.....	**Iwanow.**
Pekin, China	30.07	763.8	30.21	767.4	32.4	0.2	83	calm	0	0	.....	0	4 k	.....	.....	0	0	.....	**Siang.**
Petro-Alexandrovsk	30.10	764 4	30.47	773.9	35.2	1.8	28	n.	3.4	1.5	.....	.....	0	.....	.....	.....	.....	.....	**Walter.**
Petrozavodsk	30.39	771.8	30.60	777.2	21.9	— 5.6	80	w.	9	4	.....	1 ck	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	30.02	762.5	30.55	775.9	34.2	1.2	82	ene.	45	20	.....	.....	9 **ks**	.....	.....	0	0	.....	
Poti	30.15	765.7	30.18	766.5	50.7	10.4	94	s.	4	2	.....	.....	6 ks	.....	.....	0	0	.....	
St. Petersburg	30.71	780.1	30.74	780.7	16.3	— 8.7	72	s.	4	2	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.74	704 7	30.26	768.6	47 8	8.8	51	nw.	7.8	3.5	.....	4 c	0	.....	.....	.....	.....	.....	**Dresch.**
Semipalatinsk	29.63	752.7	30.38	771.6	— 0.9	—18.3	83	wnw.	9	4	.....	.....	10	.....	.....	inap.	inap.	.....	Major Tasarew
Sevastopol	30.10	764.6	30.32	770.2	48.6	9.2	60	n.	11	5	.....	0	1 s	.....	.....	0	0	.....	
Staroi Bykhov	30.05	763.2	30.64	778.3	28.8	— 1.8	68	ene.	9	4	.....	.....	9	.....	.....	0	0	.....	**Carl Hagen.**
Tashkend, Laboratory	28.62	727.0	30.37	771 4	37.6	3.1	68	calm	0	0	.....	.....	9 k	.....	.....	.....	.....	light clouds	Tercn, A. M.
Tiflis	28.82	732.0	30.25	768.4	53.4	11.9	42	se.	2	1	.....	0	0	.....	.....	0	0	.....	Physical Observatory.
Vernoe	27.64	702.0	30.28	769.1	28.8	— 1.8	62	calm	0	0	.....	0	7 n	.....	.....	.....	.....	.....	**Larlono.**
Viatka	29.95	760.6	30.63	777.9	21.6	— 5.8	56	w.	2	1	.....	.....	1	.....	.....	0	0	.....	
Vladivostock	30.31	769.9	30.35	771.6	19.9	— 6.7	92	e.	9	4	.....	.....	6 ks	.....	.....	0	0	.....	
Warsaw	29.97	761.1	30.41	772.4	35.2	1.8	69	ese.	18	8	.....	0	3 k	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.75	755.6	30.07	763.7	5.2	—14.9	76	w.	2	1	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	30.07	763.8	30.61	777.5	18.2	— 7.7	53	ssw.	1.2	0.5	.....	0	0	.....	.....	0	0	clear	**Bachmetieff.**
Spanish.																			
Barcelona, Met. Obs'y	29.81	757.2	29.92	760 0	54.9	12.7	83	e.	.....	.....	.....	2	6	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.91	759 6	29.97	761 1	51.3	10.7	92	nw.	0.9	0.4	.....	.....	10	.....	.....	0.055	1.4	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.01	686.0	30.04	762.9	44.6	7.0	83	n.	1.8	0.8	.....	.....	8	.....	.....	0	0	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.72	704.1	29.95	760.8	55.8	13.2	73	se.	4.3	1.9	.....	.....	9	.....	.....	0.008	0.2	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.78	756.3	29.90	759.4	66.2	19.0	70	wsw.	1.3	0.6	.....	2	3	ese.	.....	0	0	clouds	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.08	738.6	29.97	761 3	57.7	14.3	66	n.	3.1	1.4	.....	.....	8	.....	.....	0	0	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.96	761 1	30.03	762.8	57.4	14.1	90	ese.	1.8	0.8	.....	0	7 k	.....	wnw.	0	0	fair	Benito Vines, S. J.
Manilla, Philippine Islands	29.90	759.5	29.96	761.0	80.0	26.7	78	ese.	11.0	4.9	.....	0	1 ks	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.80	756.9	29.90	759.4	64.2	17.9	55	e.	16.4	7.3	.....	0	1	.....	e.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I	29.91	759.8	30.00	762.1	76.3	24.6	83	se.	4.9	2.2	.....	0	2 kn	.....	.....	0.354	9.0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.60	777.2	30.64	778.2	5.4	—14.8	100	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Umea	30.58	776.8	30.63	778.1	21.9	— 5.6	96	sw.	.....	.....	2	.....	9	.....	.....	0	0	.....	
Hernosand	30.52	775.3	30.58	776.6	20.5	— 6.4	100	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	
Stockholm	30.43	772.9	30.61	777.4	30.9	— 0.6	85	ese.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Wisby	30.45	773.3	30.50	774.8	30.6	— 0.8	96	sse.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.51	774.9	30.60	777.1	30.2	— 1.0	69	ese.	9.4	4.2	.....	.....	1	.....	sse.	inap.	inap.	snowing	H.H.Hildebrandesson
Turkish.																			
Constantinople	.....	.....	30.22	767.5	55.6	13.1	75	ene.	3	1 5	.....	.....	10	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.97?	761.1?	58.5	14.7	.....	s.	.....	.....	4	.....	8	.....	.....	0	0	¾ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.17	766.4	62.2	16.8	69	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.71	754.6	29.80	756.9	13.4	—10.3	46	n.	2	0.9	.....	8 cs	0	nw.	.....	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.11	739.4	29.81	757.2	—18.5	—28.1	52	nw.	3	1.3	.....	0	0	.....	.....	0.01	0.3	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.95	633.7	29.97	761.2	30.8	— 0.7	75	ne.	2	0.9	.....	0	4 s	.....	e.	0	0	fair	J. B. Turton.
Assiniaboine, Ft., Montana	27.20	690.9	30.21	767.3	22.1	— 5.5	91	nw.	12	5.4	.....	.....	10 k	.....	w.	0	0	cloudy	J.J.O'Connor.
Atlanta, Georgia	28 67	728 2	29.88	758.9	30.0	— 1.1	67	nw.	24	10.7	.....	.....	10 ks	.....	nw.	0.11	2.8	cloudy	S. W. Beall.
Atlantic City, New Jersey	29.61	752.1	29.62	752 3	31.0	— 0.6	78	ne.	22	9.8	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	B.A.Blundon.
Augusta, Georgia	29.64	752.8	29.84	757.9	37	2.8	51	w.	10	4.5	.....	0	0	.....	.....	0.18	4.6	clear	W.J.Evans.
Baltimore, Maryland	29.62	752 3	29.67	753.6	27.0	— 2.8	77	ne.	4	1.8	.....	.....	10 s	.....	.....	0.14	3.6	cloudy	Geo. W. Felgar.
Barnegat City, New Jersey	29.63	752 6	29.65	753.1	29.0	— 1.7	77	e.	30	13.4	.....	.....	10 n	.....	e.	inap.	inap.	light snow	J.P.Sherry.
Bennett, Fort, Dakota	28.25	717.5	29.95	760 7	24.0	— 4.4	88	nw	19	8.5	.....	3 c	5 s	nw.	nw.	0.01	0.3	cloudy	A. Pritchard.
Benton, Fort, Montana	27.22	691.4	30.20	767.1	28.1	— 2.2	88	ne.	12	5.4	.....	0	0 s	.....	ne.	0	0	fair	C.S.Bennett.
Bismarck, Dakota	28.07	713 0	29.99	761.7	7.5	—13.6	91	n.	15	6.7	.....	.....	10 n	.....	n.	0.18	4.6	light snow	B. O. Lenoir.
Block Island, Rhode Island	29.75	755.6	29.78	756.4	20.0	— 6.7	70	ne.	10	4.5	.....	2 cs	0	e.	.....	0	0	clear	James Kenealy.
Boise City, Idaho	27 24	691.9	30.16	766.1	32.9	0.5	82	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	O. B. Cole.
Boston, Massachusetts	29.64	752.8	29.80	756.9	9.0	—12.8	64	W	4	1.8	.....	4 ck	0	.....	.....	0	0	fair	John McGlone.
Brownsville, Texas	30.08	764 0	30.14	765.5	46.3	7.9	93	sw.	5	2.2	.....	0	0	.....	.....	0	0	clear	D.Cuthbertson.
Buffalo, New York	28.96	735 6	29.76	755.9	8.5	—13.1	85	ne.	6	2.7	.....	0	4 s	.....	.....	0.01	0.3	fair	A. Schneider.
Buford, Fort, Dakota	28.02	711.7	30.18	766.6	2	—16.7	91	nw.	20	8.9	.....	0	7 s	.....	nw.	inap.	inap.	fair	W. H. Ray.
Cairo, Illinois	29.62	752 3	30.04	763.0	22.0	— 5.6	73	nw.	9	4.0	.....	0	8 s	.....	nw.	0.02	0.5	cloudy	J.H.Young.
Canby, Fort, Washington Ter	29.80	756.9	30.00	762.0	37.2	2.9	89	se.	3	1.3	.....	.....	fg.	.....	.....	0	0	dense fog	A. K. Alderson.
Cape Henry, Virginia	29.56	750.8	29.58	751.3	38.0	3.3	78	w.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	W.E.Smith.
Cape May, New Jersey	29.64	752.8	29.67	753.6	30.0	— 1.1	88	ne.	21	9.4	.....	.....	10 n	.....	.....	0.07	1.8	light snow	A. P. Leavitt.
Cape Mendocino, California	29.22	742.2	29.91	759.7	48	8.9	83	n.	.....	.....	1	0	0	.....	.....	0	0	clear	G. W. Davis.
Cedar Keys, Florida	29.94	760.5	29.96	761.0	49.5	9.7	51	nw.	20	8.9	.....	0	0	.....	.....	0.08	2.0	clear	J. H. Smith.
Charleston, S. Carolina	29.70	754.4	29.76	755.9	39.8	4.3	70	w.	13	5.8	.....	0	0	.....	.....	0	0	clear	D. O'Donoghue.
Charlotte, N. Carolina	28.84	732 5	29.72	754.9	32.5	0.3	77	nw.	6	2.7	.....	2 cs	0	w.	.....	0.09	2.3	clear	B. L. Gouilding.
Chattanooga, Tennessee	29.08	738.6	29.93	760.2	26.5	— 3.1	77	nw.	14	6.3	.....	.....	10 n	.....	nw.	0.18	4.6	light snow	E. McGovern.
Cheyenne, Wyoming	23.86	606.0	30.06	763.5	32.2	0.1	51	nw.	24	10.7	.....	0	0	.....	.....	0	0	clear	Wm. Norrington.
Chicago, Illinois	29.07	738.4	29.81	757.2	7.3	—13.7	71	W.	2	0.9	.....	0	0	.....	.....	0.06	1.5	clear	O. F. Dickens.
Chincoteague, Virginia	29.55	750.6	29.57	751.1	35.7	2.1	91	n.	4	1.8	.....	.....	ion;hz	.....	.....	inap	inap.	light rain	L.Dunne.
Cincinnati, Ohio	29.16	740.7	29.86	758.4	18.0	— 7.8	82	nw.	6	2.7	.....	.....	10 n	.....	nw.	0.10	2.5	light snow	W.Line.
Cleveland, Ohio	29.00	736.6	29.78	756.4	8.0	—13.3	87	n.	6	2.7	.....	.....	10 n	.....	n.	0.04	1.0	light snow	F.T. Williams
Columbus, Ohio	28.90	734.0	29.79	756.7	17	— 8.3	74	nw.	7	3.1	.....	.....	10 s	.....	nw.	0.09	2.3	cloudy	C. E. King.
Concho, Fort, Texas	28.14	714.7	30.11	764.8	27.5	— 2.5	88	w.	4	1.8	.....	1 k	0	nw.	.....	0	0	clear	W.J.Daily.
Custer, Fort, Montana	26.80	680.7	30.12	765.0	33	0.6	88	ne.	4	1.8	.....	.....	10 ks	.....	.....	0	0	cloudy	R. R. Martin.
Davenport, Iowa	29.10	739.1	29.79	756.7	11.0	—11.7	70	w.	5	2.2	.....	.....	10 s	.....	w.	inap.	inap.	cloudy	J. Williams.
Davis, Fort, Texas	25 18	639 6	30.06	763.5	38.4	3.6	65	calm	0	0	.....	0	7 s	.....	.....	0	0	fair	T.Gibson.
Dayton, Washington Ter	28.29	718.6	30.11	764.8	30.2	— 1.0	88	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear	G.W.Scott.
Deadwood, Dakota	25.22	640.6	30.06	763 5	24.2	— 4.3	84	ne.	7	3.1	.....	.....	10 n	.....	.....	0.13	3.3	light snow	G.A.Martin.
Delaware Breakwater, Del.	29.57	751.1	29.59	751.6	42.1	0.1	100	ne.	32	14.3	.....	.....	10 n	.....	ne.	0.61	15.5	light snow	F. M. Neal.
Denver, Colorado	24.61	625.1	30.05	763.3	42.4	5.8	30	nw.	18	8.0	.....	0	0	.....	.....	0	0	clear	F. W. Conrad.
Des Moines, Iowa	28.78	731.0	29.74	755.4	15	— 9.4	67	sw.	6	2.7	.....	.....	10 s	.....	sw.	inap.	inap.	cloudy	N.B.Conger.
Detroit, Michigan	29.07	738.4	29.82	757.4	4.5	—15.3	74	n.	6	2.7	.....	.....	1 s	.....	.....	0.01	0.3	clear	J.E.Lamouette.
Dodge City, Kansas	27.25	692.1	29.98	761.5	32.5	0.3	78	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Harvey Smith
Dubuque, Iowa	29.02	737.1	29.77	756.1	2.3	—16.5	54	s.	3	1.3	.....	.....	10 s	.....	s.	inap.	inap.	cloudy	E.R.Brace.
Duluth, Minnesota	28.77	730.7	29.56	750.8	8.2	—13.2	64	calm	0	0	.....	.....	10 n	.....	.....	0.07	1.8	light snow	D. C. Murphy.
Eastport, Maine	29.72	754.9	29.79	756.7	5.5	—14.7	63	nw.	9	4.0	.....	.....	10 s	.....	nw.	0	0	cloudy	J. C. Rickli.
Elliott, Fort, Texas	27.16	689.9	29.99	761.7	32	0.0	73	sw.	5	2.2	.....	0	0	.....	.....	0	0	clear	F.Belford.
El Paso, Texas	26.22	666 0	30.02	762 5	39.0	3.9	50	calm	0	0	.....	0	0	.....	.....	0	0	clear	P.Wood.
Erie, Pennsylvania	28.99	736.3	29.76	755.9	9.0	—12.8	76	n.	4	1.8	.....	7 c	0	nw.	.....	0.02	0.5	fair	L.M.Pindell.
Escanaba, Michigan	29.01	736.8	29.72	754 9	—23.9	—31.1	.....	n.	6	2.7	.....	3 c	0	nw.	.....	0	0	clear	J. B. Campbell.
Fort Smith, Arkansas	29.54	750.3	30.02	762.5	25.0	— 3.9	88	calm	0	0	.....	0	3 s	.....	n	0	0	clear	E. O'C. Macinerney
Galveston, Texas	30.11	764.8	30.15	765.8	50.0	10.0	60	ne.	5	2.2	.....	0	1 s	.....	ne.	0	0	clear	Joseph E. Mueller
Grand Haven, Michigan	29.09	738.9	29.79	756.7	9.1	—12.7	76	e.	1	0.4	.....	.....	10 n	.....	.....	inap.	inap.	light snow	Chas. A. Read.
Grant, Fort, Arizona	25.14	638.5	29.97	761.2	45.8	7.7	28	se	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	R. M. Crawford.
Hatteras North Carolina	29.53	750.0	29.54	750 3	41.7	5.4	82	nw.	8	3.6	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.82	655.8	30.14	765.5	30	— 1.1	80	nw.	2	0.9	.....	2 cs	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	28.31	719.1	29.79	756.7	24.7	— 4.1	92	nw.	19	8.5	.....	6 cs	0	n.	.....	0.03	0.8	fair	S. W. Glenn.
Indianapolis, Indiana	29.00	736.6	29.84	757.9	13.3	—10.4	76	n.	3	1.3	.....	.....	10 s	.....	n.	0.29	7.4	cloudy	C. F. R. Wappenhans.
Indianola, Texas	30.09	764.3	30.12	765.0	52.0	11.1	59	ne.	16	7.2	.....	0	0	.....	.....	0	0	clear	I. A. Reed.
Jacksonville Florida	29.83	757.7	29.88	758.9	47.0	8.3	86	w.	3	1.3	.....	2 cs	3 k	.....	W.	0.07	1.8	fair	J. W. Smith.
Keokuk, Iowa	29.17	740.9	29.86	758.4	13.0	—10.6	72	sw.	0	2.7	.....	.....	10 s	.....	sw.	0.03	0.8	cloudy	F. Z. Gosewisch.
Key West, Florida	29.97	761.2	29.99	761.7	65	18.3	73	w.	10	4.5	.....	0	4 k	.....	W.	0	0	fair	J. J. Lackey.
Kittyhawk, North Carolina	29.56	750.8	29.58	751.3	38.6	3.7	86	w.	4	1.8	.....	.....	10 s	.....	W.	0.02	0.5	cloudy	Wesley Blake.
Knoxville, Tennessee	28.78	731.0	29.84	757.9	24.9	— 3.9	85	w.	11	4.9	.....	.....	10 n	.....	.....	0.42	10.7	light snow	J. A. Cody.
La Crosse, Wisconsin	28.81	731.8	29.63	752.6	3.2	—16.0	72	s.	12	5.4	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	S. C. Emery.
Leavenworth, Kansas	28.89	733.8	29.83	757.7	23	— 5.0	73	s.	10	4.5	.....	.....	10 n	.....	.....	0.03	0.8	light snow	C. Dill.
Lewiston, Idaho	29.25	742.9	30.11	764.8	32.0	0.0	78	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.72	754.9	30.05	763.3	30 0	— 1.1	56	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.51	749.5	29.91	759.7	49.0	9.4	63	ne.	4	1.8	.....	0	2 s	.....	.....	0	0	clear	T. S. Collins
Louisville, Kentucky	29.29	744.0	29.88	758.9	24.0	— 4.4	73	w.	11	4.9	.....	0	4 s	.....	W.	0.09	2.3	fair	E. B. Garriott.
Lynchburg, Virginia	28.88	733.5	29.60	751.8	29 0	— 1.7	82	nw.	2	0.9	.....	7 ck;k	0	W.	.....	1.30	33.0	fair	Jno. Healy.
Mackinaw City, Michigan	29.09	738.9	29.79	756.7	—19.1	—28.4	72	e.	2	0.9	.....	0	0	.....	.....	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.61	752.1	29.62	752.3	39.0	3.9	86	w.	19	8.5	.....	.....	10 s	.....	W.	0.05	1.3	cloudy	William Daly.
Maginnis, Fort, Montana	25.46	646.7	30.06	763.5	21.4	— 5.9	73	se.	8	3.6	.....	.....	10 s	.....	se.	0	0	cloudy	F. Burke.
Marquette, Michigan	28.91	734.3	29.68	753.9	— 5.0	—20.6	65	e.	1	0.4	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.66	753.4	30.01	762.2	28.1	— 2.2	72	w.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	D. T. Flannery
Milwaukee, Wisconsin	28.98	736.1	29 76	755.9	— 1.6	—18.7	68	w.	11	4.9	.....	0	0	.....	.....	0.46	11.7	clear	S. W. Rhode.
Mobile, Alabama	30.01	762 2	30.05	763.3	38	3.3	45	n.	9	4.0	.....	0	hz.	.....	.....	c	0	clear	H. U. Jones.
Montgomery, Alabama	29.75	755.6	29.99	761.7	35	1.7	58	nw.	13	5.8	.....	0	0	.....	.....	0	0	clear	S. M. Leitzell.
Moorhead, Minnesota	28.69	728.7	29.77	756.1	5.2	—14.9	100	n	28	12.5	.....	.....	10 n	.....	n.	0.07	1.8	light snow	H. Bessant.
Mt. Washington, N. H.	23.11	587.0	29.63	752 6	— 4.6	—20.3	75	nw.	27	12.1	.....	10 cs	0	.....	.....	inap.	inap.	cloudy	J. H. Melton.
Nashville, Tennessee	29.36	745.7	29.96	761.0	26.5	— 3.1	70	nw.	10	4.5	.....	.....	10 ks	.....	W.	0.07	1.8	cloudy	L. N. Jesunofsky
New Haven, Connecticut	29.66	753.4	29.78	756.4	7	—13.9	76	ne.	11	4.9	.....	8 c	0	W.	.....	0	0	cloudy	J. H. Sherman.
New London, Connecticut	29.74	755.4	29.79	756.7	12.0	—11.1	80	nw.	4	1.8	.....	2 cs	0	.....	.....	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	30.04	763.0	30.10	764.5	44.0	6.7	37	n.	11	4.9	.....	0	0	.....	.....	0	0	clear	M. Herman.
New York, New York	29.56	750.8	29.74	755.4	18	— 7.8	85	ne.	13	5.8	.....	.....	10 n	.....	.....	0.01	0.3	light snow	W. Finn.
Norfolk, Virginia	29.52	749.8	29.55	750.6	38.0	3.3	72	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	26.86	682.2	29.92	760.0	34	1.1	83	nw.	12	5.4	.....	0	7 s	.....	.....	0	0	fair	E. F. Brady.
Olympia, Washington Ter	29.97	761.2	30.01	762.2	32.5	0.3	88	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	J. Dascomb.
Omaha, Nebraska	28.50	723.9	29.75	755.6	22.8	— 5.1	76	sw.	8	3.6	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	A. Pollak
Oswego, New York	29.42	747 3	29.76	755.9	13.5	—10.3	67	se.	6	2.7	.....	.....	10 n	.....	.....	inap.	inap.	light snow	J. G. Linsley.
Palestine, Texas	29.55	750.6	30.12	765.0	37.5	3.1	72	n.	3	1.3	.....	2 cs	0	W.	.....	0	0	clear	P. T. Jenkins.
Pensacola, Florida	30.01	762.2	30.04	763.0	41.8	5.4	39	nw.	9	4.0	.....	0	hz.	.....	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	29.59	751.6	29.69	754.1	20.5	— 6.4	100	ne.	14	6.3	.....	.....	10 n	.....	.....	0.05	1.3	light snow	T. F. Townsend.
Pike's Peak, Colorado	17.63	447.8	30.22	767.6	6.0	—14.4	69	ne.	48	21.5	.....	0	0	.....	.....	0	0	clear	H. Hull.
Pittsburg, Pennsylvania	28.85	732 8	29.70	754.4	16.0	— 8.9	83	nw.	8	3.6	.....	7 cs	0	.....	.....	0.05	1.3	fair	O. D. Stewart.
Port Huron, Michigan	29.10	739.1	29.82	757.4	— 2.0	—18.9	75	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Portland, Maine	29.75	755.6	29.80	756.9	12.5	—10.8	70	n.	4	1.8	.....	.....	10s;sk	.....	n	0	0	cloudy	W. W. Eichelberger.
Portland, Oregon	29.89	759.2	29.96	761.0	40.0	4.4	89	n	2	0.9	.....	0	0	.....	.....	0	0	clear	M. L. Hearn.
Prescott, Arizona	24.70	627.4	30.04	763.0	31.0	— 0.6	78	sw.	2	0.9	.....	0	8 s	.....	.....	0	0	cloudy	N. D. Lane.
Provincetown, Mass	29.76	755.9	29.79	756.7	17.3	— 8.2	76	n.	1	0.4	.....	0	2 s	.....	.....	0	0	clear	O. N. Kitchel.
Red Bluff, California	29.56	750.8	29.93	760.2	46.5	8.1	68	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.94	760.5	30.18	766.6	45.0	7.2	76	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear	L. G. Schultz.
Rochester, N. Y	29.05	737.9	29.75	755.6	11	—11.7	70	se.	4	1.8	.....	10c;ck	hz.	sw.	.....	0	0	cloudy	E. W. McGann.
Roseburg, Oregon	29.41	747.0	29.97	761.2	37.5	3.1	85	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. J. Nanry.
Sacramento, California	29.82	757.4	29.89	759.2	51.0	10.6	86	e	5	2.2	.....	.....	8 s	.....	.....	0	0	cloudy	J. A. Barwick.
St. Louis, Missouri	29.28	743.7	29.94	760.5	18.7	— 7.4	73	w.	8	3.6	.....	4 cs	0	.....	.....	0.03	0.8	fair	J. H. Weber.
St. Michael, Fort, Alaska	29.84	757.9	29.87	758.7	31.5	— 0.3	100	e.	16	7.2	.....	.....	10 c	.....	.....	0.04	1.0	cloudy	Fred. H. Clarke
St. Paul, Minnesota	28.62	726.9	29.53	750.0	11.0	—11.7	100	s.	6	2.7	.....	.....	10 n	.....	.....	0.02	0.5	light snow	P. F. Lyons.
St. Vincent, Minnesota	28.94	735.1	29.88	758.9	1	—17.2	93	nw.	16	7.2	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.67	652.0	30.19	766.8	31.3	— 0.4	59	se.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	J. Craig.
San Diego, California	29.80	756.9	29.87	758.7	53.0	11.7	80	ne.	5	2.2	.....	4 cs	0	W.	.....	0	0	fair	F. R. Day.
Sandusky, Ohio	29.11	739.4	29.83	757.7	10.5	—11.9	70	n.	4	1.8	.....	0	0	.....	.....	0.04	1.0	clear	B. F. Hough.
Sandy Hook, New Jersey	29.71	754.6	29.74	755.4	22.7	— 5.2	88	e.	18	8.0	.....	.....	10 s	.....	e.	0	0	cloudy	Y. P. Chappel.
Sanford, Florida	29.84	757.9	29.89	759.2	49.0	9.4	77	nw.	13	5.8	.....	2 ck	8 ks	.....	nw.	0.04	1.0	cloudy	J. B. Marbury
San Francisco, California	29.80	756.9	29.87	758.7	54.0	12.2	85	n.	6	2.7	.....	.....	9 s	.....	sw.	0	0	cloudy	N. Gorom
Savannah, Georgia	29.73	755 1	29.82	757.4	39.5	4.2	66	w.	7	3.1	.....	0	0	.....	.....	0.09	2.3	clear	H. W. Ford.
Shaw, Fort, Montana	26.30	668.0	30.10	764.5	27	— 2.8	88	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	A. L. Mathews
Shreveport, Louisiana	29.87	758 7	30.05	763.3	34.2	1.2	60	calm	0	0	.....	0	0	.....	.....	0	0	clear	E. N. Meekins.
Sitka, Alaska	30.01	762.2	30.08	764.0	32.5	0.3	88	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	F. W. Pickett.
Smithville North Carolina	29.63	752.6	29.67	753.6	38.5	3 6	89	W.	13	5 8	.....	1 c	8 ks	.....	W.	0.03	0.8	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	28.10	713.7	30.23	767.8	28.5	— 1.9	94	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	D. Moore.
Springfield, Illinois	29.17	740.9	29.89	759.2	12.0	—11.1	80	sw.	6	2.7	.....	2 c	3 s	W.	W.	0.24	6.1	fair	T. B. Jennings.
Stockton, Fort, Texas	26.99	685.5	30.07	763.8	42.0	5.6	60	s.	10	4.5	.....	0	5 s	.....	.....	0	0	fair	J. W. Byram.
Tatoosh Id., Wash. Ter	29.87	758.7	29.97	761.2	40.0	4.4	92	e.	3	1.3	.....	0	fg.	.....	e.	inap.	inap.	clear	R. Connor.
Thomas, Camp, Arizona	27.22	691.4	30.00	762.0	33.2	0.7	70	calm	.....	.....	0	0	5 s	.....	.....	0	0	fair	R. C. Lord.
Toledo, Ohio	29.08	738.6	29.82	757.4	4.2	—15.4	79	nw.	2	0.9	.....	5 ok	0	nw.	.....	0.03	0.8	fair	A. Buell.
Unalashka, Alaska	29.50	749.3	29.52	749.8	38	3.3	89	se.	12	5.4	.....	0	6 s	.....	.....	0.13	3.3	fair	Samuel Applegate
Vicksburg, Mississippi	29.83	757.7	30.09	764.3	37	2.8	46	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	F. W. Mixer.
Washington, D. C	29.52	749.8	29.64	752.8	24.8	— 4.0	88	ne.	8	3.6	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.92	658.4	29.99	761.7	25	— 3.9	78	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	F. H. Brandenburg
Wilmington, N. Carolina	29.61	752.1	29.67	753.6	41.0	5.0	65	nw.	12	5.4	.....	0	9 ks	.....	W.	0.08	2.0	cloudy	L. H. Albrecht.
Yankton, Dakota	28.37	720 6	29.76	755 9	31.4	— 0.3	73	n.	22	9.8	.....	0	7 k	.....	nw.	inap.	inap.	fair	E. H. Thompson.
Yuma, Arizona	29.71	754.6	29.86	758.4	53.9	12.2	69	calm	0	0	.....	0	8 s	.....	W.	0	0	cloudy	W. S Delano.
Sub-series.																			
Behringisland, Kamchatka	29.31	744.5	29.33	745.0	27.0	— 2.8	94	n.	30	13.4	.....	.....	10 n	.....	.....	0	0	cloudy	George Cheruick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	74	23.3	.....	nw.	.....	.....	1	0	2 k	.....	n.	0	0	fair	W. H. Jackson.
Bogota, U. S. C	22.02	559.4	.....	.....	54.5	12.5	90	calm	0	0	.....	1 ck	0 k	.....	nw.	0.339	8.6	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.73	755.1	29.89	759.2	—30	—34.4	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.00	762.0	70.8	21.6	85	n.	1	0.4	.....	0	0	.....	.....	0.04	1.0	clear	Robert Johnstone.
Paramaribo, S. A	30.05	763.3	30.05	763.3	78	25.6	82	ne.	.....	.....	2	4 c	3 s	e.	.....	0	0	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.37	746.0	29.93	760.2	77	25.0	89	n.	.....	.....	1	.....	10	.....	.....	0.58	14.7	foggy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	.....	.....	.....	.....	75	23.9	90	ne.	.....	.....	3	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A	30.10	764.5	30.17	766.3	—29.0	—33.9	.....	W.	10	4.5	.....	2 c	2 s	W.	W.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.88	758.9	29.89	759.2	77.7	25.4	88	n.	4.3	1.9	.....	.....	6 k	.....	n.	0	0	.....	P. Fasiani.
Naos, Bay of Panama	29.95	760.7	30.02	762 4	70.2	21.2	94	n.	.....	.....	4	.....	1 cs	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, N. 24° 00′, W. 74° 20′ *	29.89	759.2	67	19.4	.....	n.	.....	.....	5	.....	10	.....	.....	0	0	long	n.	overcast.
S. S. Adriatic, N. 40° 32′, W. 68° 19′†	29.78	756.4	.....	.....	.....	ne.	.....	.....	3	.....	.....	.....	var.	0	0	mod.	nw.	
S. Armenia, N. 44° 20′, W. 39° —′*	29.81	757.2	55	12 8	74	w.	.....	.....	8	.....	10	.....	w.	2 h'r	2 h'r	r'gh.	wnw.	overcast.
S. S. Antonio Lopez, N 32° 26′, W. 16° 04′	29.83	757.7	59.5	15.3	82	n	.....	.....	6	.....	10	.....	.....	6 h'r	6 h'r	h'vy	nnw.	squally.
S. S. America, N. 37° 30′, W 73° —′*	29.56	750.8	43	6.1	92	e.	.....	.....	4	.....	10	.....	e.	0	0	light	e.	overcast.
S. S. Athos, N. 24° 50′, W. 74° 24′	.....	.....	.....	.....	.....	var.	.....	.....	2	.....	2	.....	sw.	0	0	sm'h	.....	clear.
S. S. Belgenland, N. 42° 04′, W. 45° 39′	.....	.....	56	13.3	94	w.	.....	.....	4	.....	.....	.....	wnw.	0	0	long	nnw.	overcast.
S. S. Britannic, N. 51° 12′, W. 15° 30′†	29.72	754.9	51	10.6	.....	s.	.....	.....	3	.....	2	.....	sw.	3 h'r	3 h'r	mod.	w.	showery.
S. S. City of Augusta, N. 27° 19′, W. 74° 58′†	29.60	751.8	.....	.....	.....	ese.	.....	.....	3	.....	10	.....	sse.	rain	rain	sm'h	.....	rainy.
S. S. Caracas, N. 29° 57′, W. 68° 36′*†	29.91	759.7	67	19.4	69	s.	.....	.....	6	.....	0	.....	.....	20 h'r	20 h'r	mod.	n.	clear.
S. Dora, N. 41° 09′, W. 49° 08′ *†	29.94	760.5	57.2	14.0	.....	s.	.....	.....	1	.....	10	.....	s.	10 h'r	10 h'r	long	wsw.	raining.
S. S. Donau, N. 51° 55′, E. 2° 27′	30.08	764.0	.....	.....	.....	e.	.....	.....	1	.....	10	.....	ne.	5 h'r	5 h'r	sm'h	.....	snowing.
S. S. Devonia, N. 51° 18′, W. 25° 23′†	29.33	745 0	45	7.2	.....	wsw.	.....	.....	6	.....	7	.....	wsw.	4 h'r	4 h'r	h'vy	wsw.	squally.
Bk. Fred W. Carlon, Progreso Roads, Mexico	30.01	762.2	.....	.....	.....	nne.	.....	.....	4	.....	0	.....	.....	0	0	r'gh	nne.	clear.
S. S. Gallia, Queenstown, Ireland	29.95	760.7	56	13.3	.....	sse.	.....	.....	6	.....	8	.....	sw.	0	0	.....	.....	hazy.
S. S. Gellert, N. 49° 36′, W. 21° 28′	29.57	751.1	55.2	12.9	95	s.	.....	.....	6	.....	3	.....	sw.	4 h'r	4 h'r	mod.	s.	clear.
Bk. Godeffroy, N. 22° 39′, W. 59° 24′	30.03	762.7	74.1	23.4	88	sse	.....	.....	5	cs	6 k	ssw.	sse.	0	0	mod.	se.	fair.
S. S. Iowa, off Point Lynas, Wales	.....	.....	42	5.6	.....	ese.	.....	.....	4	.....	2	.....	ese.	1 h'r	1 h'r	sm'h	ese.	clear.
Bk. Idaho, N. 34° 53′, W. 74° 50′*†	29.70	754.4	.....	.....	.....	nw.	.....	.....	2	.....	10	.....	wsw.	4 h'r	4 h'r	mod.	sw.	threatening.
Bg L. F. Munson, Matanzas, Cuba, W.I.	.....	.....	68	20.0	.....	nw.	.....	.....	4	.....	1	.....	nw.	0	0	.....	.....	clear.
Bg. Lillian, N. 16° 10′, W. 62° 10′†	30.00	762.0	80	26.7	.....	se.	.....	.....	4	.....	3	.....	se.	0	0	mod.	.....	fair.
S. S. Main, N. 49° 44′ W. 35° 49′	29.53	750.0	42.8	6.0	.....	w.	.....	.....	7	.....	7	.....	w.	5 h'r	5 h'r	high	w.	stormy.
S. S Nurnberg, N. 49° 41′, W. 16° 40′	29.74	755.4	51.8	11.0	.....	sw.	.....	.....	6	.....	9	.....	wsw.	.....	.....	mod	sw.	overcast.
S. S. Nessmore, N. 45° 07′. W. 35° 57′	29.73	755.1	56	13.3	87	w.	.....	.....	6	.....	6	.....	wnw.	4 h'r	4 h'r	h'vy	sw.	hazy.
Schr. Norena, Arroyo, Porto Rico, W. I.	.....	.....	.....	.....	.....	ene.	.....	.....	3	.....	4	.....	ene.	2 h'r	2 h'l	mod.	ese.	showery.
S. S. Orinoco, New York, N. Y†	29.75	755.6	.....	.....	.....	ne.	.....	.....	4	.....	10?	.....	ne.	2 h'r	2 h'r	light	ne.	clear.?
Bk. Orpheus, N. 46° 41′, W. 37° 18′*	29.53	750.0	52	11.1	.....	w.	.....	.....	7	.....	6 k	.....	wnw.	0	0	long	w.	fair.
S. S. Pavonia, N. 42° 12′, W. 49° 40′	30.01	762.2	47	8.3	77	w.	.....	.....	4	.....	10	.....	.....	4 h'r	4 h'r	long	wsw.	overcast.
S. S. Pennsylvania, Philadelphia, Pa.†	29.68	753.9	23	— 5.0	86	nne.	.....	.....	4	.....	4	.....	ne.	5 h'r	5 h'r	.....	.....	light snow.
Bg. Rising Sun, N. 20° 35′, W. 67° 05′*†	30.10	764 5	80	26.7	.....	sse.	.....	.....	3	.....	2	.....	ssw.	0	0	long	sse.	clear.
S. S. State of Georgia, N. 43° 41′, W. 45° 09′†	29.95	760.7	47	8.3	.....	w.	.....	.....	6	.....	10	.....	w.	0	0	sharp	wsw.	cloudy.
S. S. Salerno, N. 49° 29′, W. 5° 40′†	30.05	763.3	50	10.0	.....	se.	.....	.....	4	.....	5	.....	se.	0	0	.....	ese.	hazy.
S. S. Salier, N. 40° 20′, W. 71° 40′	29.70	754.4	.....	.....	.....	ne.	.....	.....	5	.....	8	.....	ne.	0	0	light	ne.	cloudy.
S. S. Switzerland, N. 45° 45′, W. 31° 25′*†	29.81	757.2	.....	.....	.....	wsw.	.....	.....	2	.....	10	.....	w.	8 h'r	8 h'r	long	wnw.	cloudy.
S. St. David, N. 42° 04′, W. 36° 11′*†	30.08	764.0	63	17.2	83	ssw.	.....	.....	3	.....	10	.....	sw; w	1 h'r	1 h'r	h'vy	w.	hazy.
S. S. The Queen, N. 49° 16′, W. 29° 57′	29.48	748.8	45	7.2	.....	w.	.....	.....	7	.....	8	.....	wsw.	3 h'r	3 h'r	h'vy	w.	squally.
Bk. Tuck Sing, N. 36° 50′, W. 68° 45′ *†	29.90	759.4	.....	.....	.....	ssw.	.....	.....	3	.....	8	.....	sw.	1 h'r	1 h'r	long	nne.	fair.
S. S. Venetian, N. 42° 12′, W. 60° 07′*	29.73	755.1	42	5.6	.....	n.	.....	.....	3	.....	5	.....	n.	6 h'r	6 h'r	mod.	sw.	fair.
S. S. Valencia, N. 26° 36′, W. 70° 03′†	29.91	759.7	75	23.9	81	ese.	.....	.....	1	.....	7	.....	wnw.	0	0	h'vy	n.	fair.
S. S. Westernland, Antwerp, Belgium	30.05	763.3	43	6.1	83	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. W. A. Scholten, N. 50° 36′, W. 0° 40′	30.03	762.7	48.2	9.0	89	nw.	.....	.....	2	.....	6	.....	nw.	0	0	2	nw.	
S. S. Weser, N. 44° 47′, W. 45° 10′	29.90	759.4	39.2	4.0	.....	w.	.....	.....	6	.....	10	.....	w.	2 h'r	2 h'r	hv'y	wsw.	cloudy.
S. S. Australia, N. 40° 47′, W. 26° 17′†	30.12	765.0	59	15.0	.....	wsw.	.....	.....	3-4	.....	10	.....	nw.	0	0	long	w.	foggy.
S. S. Cienfuegos, N. 25° 45′. W. 76° 05′	29.96	761.0	69	20.6	.....	w.	.....	.....	6	.....	1	.....	w.	1 h'r	1 h'r	small	w.	clear.
S. S. Frisia, N. 47° 59′, W. 24° 15′	29.74	755.4	54.5	12.5	.....	sw.	.....	.....	6	.....	10	.....	sw.	12 h'r	12 h'r	mod.	wnw.	drizzling.
S. S. Texas, N. 46° 28′, W. 33° 12′*†	29.74	755.4	54	12.2	87	w.	.....	.....	5	.....	5	.....	w.	.....	.....	high	w.	fair.
Bk. George Davis, N. 49° 34′, W. 12° 31′ *†	29.90	759.4	.....	.....	.....	s.	.....	.....	3	.....	.....	.....	s.	0	0	.....	sw.	foggy.
S. S. Anchoria, N. 41° 40′, W. 55° 49′	.....	.....	.....	.....	.....	w.	.....	.....	2	.....	8	.....	w.	3 h'r	3 h'r	h'vy	w.	cloudy.
Schr Adda Doane, N. 27° 50′, W. 73° 32′†	29.96	761.0	.....	.....	.....	w.	.....	.....	5	.....	3	.....	w.	3 h'r	3 h'r	short	wnw.	clear.
S. S. Chalmette, N. 28 50′, W. 79° 45′*†	29.83	757.7	62	16.7	.....	wnw.	.....	.....	6	.....	9	.....	nnw.	½ h'r	½ h'r	rg'h	nw.	cloudy.
S. S. D. J. Foley, Bombay Hook Island, Del †	29.67	753.6	28	— 2.2	.....	e.	.....	.....	6	.....	10	.....	.....	5 h'r	5 h'r	.....	.....	cloudy.
S. S. Erin, N. 41° 19′, W. 49° 31′†	29.94	760.5	42	5.6	.....	ne.	.....	.....	4	.....	10	.....	ne.	4 h'r	4 h'r	mod	nw.	light rain.
S. S. Grecian, Portland, Me	29.85	758 2	24?	—4.4?	.....	n.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....	overcast.
Schr. James Slater, N. 29° 51′. W. 50° 30′	.....	.....	72	22.2	.....	ssw.	.....	.....	5	.....	0	.....	.....	0	0	h'vy	ssw.	
S. S. St. Laurent, N. 49° 50′, W. 7° 55′	29.92	760.0	54.5	12.5	.....	se.	.....	.....	3	.....	6	.....	s.	light	light	sm n	.....	fair.
Schr. Viola Reppard, Portland, Me	.....	.....	.....	.....	.....	ne.	.....	.....	2	.....	1	.....	ne.	0	0	.....	.....	clear
Bk. Western Chief, N. 40° 39′, W. 48° 04 *†	29.99	761.7	.....	.....	.....	wnw.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	w.	rain & fog.
U. S. Navy Yard, Portsmouth, N. H.*	29.75	755.6	8	—13.3	78	nw.	5	2.2	.....	.....	0	.....	.....	0	0	.....	.....	hazy.
U. S. S. Galena, Port Royal, S. C.*	29.70	754.4	44	6.7	68	w.	.....	.....	7	.....	5	.....	w.	.....	.....	mod.	w.	fair.
U. S. S. New Hampshire, Newport, R. I.	29.80	756.9	20	— 6.7	.....	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Powhatan, Port Royal, S. C	29.81	757.2	39	3.9	91	w.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Quinnebaug, Leghorn, Italy	29.84	757.9	58	14.4	64	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Saratoga, New York, N. Y	.....	.....	19	— 7.2	100	nne.	.....	.....	2	.....	10	.....	calm	snow	snow	sm'h	.....	overcast.
U. S. S. Tennessee, New Orleans, La	30.09	764.3	56?	13.3?	57	nw.	18	8.0	.....	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Yantic, Port Royal, S. C	29.81	757.2	42	5.6	74	w.	.....	.....	4	.....	2	.....	.....	.....	.....	.....	.....	fair.
H. M. S. Alexandra, N. 35° 07′, E. 35° 57′	30.23	767.8	64	17.8	73	ene.	.....	.....	1	.....	1	ene.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Alecto, N. 4° 14, E. 6° 50′	29.85	758.2	82	27.8	.....	sw.	.....	.....	1	.....	4	.....	.....	.....	.....	1	sw.	d. clouds.
H. M. S. Boadicea, N. 4° 10′, E. 5° 40′	29.81	757.2	85	29.4	96	s.	.....	.....	3	.....	3	ssw.	.....	.....	.....	1	sse.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.75	755.6	60	15.6	76	s.	.....	.....	4	.....	5	ssw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Himalaya, N. 41° 00′, W. 48° 30′	30.03	762.7	47	8.3	85	ne.	.....	.....	4	.....	9	.....	.....	.....	.....	4	wsw.	d. clouds.
H. M. S. Minotaur, N. 37° 25′, E. 17° 50′	29.86	758 4	62	16.7	77	sw.	.....	.....	3	.....	3	sw.	.....	.....	.....	3.	ese.	d. clouds.
H. M. S Myrmidon, N. 36° 34′, E. 1° 16′	29.94	760.5	60.5	15.8	76.	ene.	.....	.....	3	.....	3	wsw.	.....	.....	.....	2	ene.	d. clouds.
H. P. M. S. Bengo, N. 1° 05′, W. 12° 53′	29.92	760 0	77.9	25.5	100	ssw.	.....	.....	2	.....	10	.....	sw.	8½ h'r	8½ h'r	.....	.....	overcast.
S. S. British Prince, N. 47° 52′, W 29° 42′	.....	.....	52	11.1	66	sw.	.....	.....	6	.....	9	.....	wsw.	0	0	long	wsw.	squally.
S. S. Scandinavian, N. 42° 42′, W. 55° 22′	29.90	759.4	40	4.4	.....	wsw.	.....	.....	1	.....	10	.....	w.	0	0	high	wsw.	d. clouds.
S. S. Furnessia, N. 55° 38′, W. 13° 09′*†	29.71	754.6	49	9.4	.....	sse.	.....	.....	6	.....	10	.....	sse.	2 h'r	2 h'r	mod.	sw.	drizzling.
S. S. Galatia, Bitter Lake, Suez canal Egypt*†	30.16	766.1	72	22.2	.....	nne.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Carroll, N. 43° 05′, W. 66° 45′	.....	.....	.....	.....	.....	sw.	.....	.....	3	.....	8	.....	sw.	0	0	long	sw.	cloudy.
S. S. Labrador, N. 42° 27′, W. 49° 01′*†	30.00	762.0	44.6	7	.....	w.	.....	.....	2	.....	3	.....	nnw.	0	0	.....	w.	
S. S. Wyoming, N. 51° 30′. W 8° 45′	30.00	762.0	47	8.3	.....	ese.	.....	.....	3	.....	8	.....	s.	0	0	sm'h	.....	cloudy.
S. S. Westphalia, N. 41° 31′, W. 57° 26′	.....	.....	50	10.0	.....	nw.	.....	.....	3	.....	6	.....	nw.	0	0	mod.	nw.	cloudy.
S. S. Archimedes, (Br.) N. 32° 27′, W. 17° 31′	29.76	755.9	.....	.....	.....	nnw.	.....	.....	6	.....	9	.....	nw.	3 h'r	3 h'r	h'vy	nw.	showery.
S. S. Olbers, N. 21° 18′, W. 23° 08	.....	.....	68.5	20.3	79	n.	.....	.....	4	.....	4	.....	ne.	.....	.....	2	n.	fine.
S. S. Archimede, (It.) N. 34° 11′, W. 52° 25′†	29.94	760.5	70	21.1	.....	sw.	.....	.....	5	.....	6	.....	wsw.	4 h'r	4 h'r	h'vy	var.	cloudy.
S. S. Picqua, Lisbon, Portugal	.....	.....	70?	21.1?	80	e.	.....	.....	2	.....	.....	.....	e.	0	0	.....	.....	clear.
S. S. Oregon, (Br) N. 42° 49′, W. 55° 32′	.....	.....	40	4.4	.....	wsw.	.....	.....	1	.....	9	.....	wsw.	0	0	h'vy	wsw.	fine.
S. S. Italy, N. 49° 09′, W. 20° 05′*	29.52	749.8	55	12.8	100	ssw.	.....	.....	4	.....	10	.....	sw.	3 h'r	3 h'r	long	sw.	raining.
S. S. Rhein, N. 40° 45′, W. 69° 09′	29.73	755.1	.....	.....	.....	n.	.....	.....	2	.....	10	.....	.....	6 h'r	6 h'r	mod.	n.	snowing.
S. S. Strassburg, N. 3° 01′, W. 30° 40′	30.02	762.5	80.0	26.7	78	sw.	.....	.....	2	.....	7?	.....	sw.	½ h'r	½ h'r	4	var.	covered.?
S. S. Muriel, Saint Lucia, W. I	30.06	763.5	80	26.7	.....	e.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Pennland, N. 41° 00′, W. 64° 20′	.....	.....	38	3.3	81	ne.	.....	.....	4	.....	4?	.....	nne.	6 h'r	6 h'r	high	wsw.	overcast.?
S. S. Vaderland, N. 39° 40′, W. 54° 52′ †	29.90	759.4	54	12.2	.....	ene.	.....	.....	2	.....	8	.....	w.	4 h'r	4 h'r	mod.	wnw.	cloudy
S. S. Waesland, off St. Catharine's, Eng	30.11	764.8	40	4.4	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Amsterdam, N. 45° 38′, W 38° 08′	.....	.....	57.6	14.2	93	w.	.....	.....	3	.....	6	.....	wsw	5 h'r	5 h'r	high	sw.w	cloudy.
S. S. State of Nevada, N. 41° 32′, W. 55° 31′ *†	29.93	760.2	45	7.2	.....	nw.	.....	.....	5	.....	5?	.....	wnw.	snow	snow	mod.	wnw.	cloudy?
S. S. Saxon, N. 42° 15′, W. 70° 20′	.....	.....	20?	—6.7?	.....	nne.	.....	.....	1	.....	8	.....	ne.	c	o	sm'h	.....	fair.
S. S. Rialto, N. 45° 40′, W. 43° 25′	.....	.....	39	3.9	.....	w.	.....	.....	10	.....	8	.....	w.	2 h'r	2 h'r	high	w.	h'vysqualls
Schr. Arthur Burton, Fernandina, Fla†	29.80	756.9	.....	.....	.....	w.	.....	.....	3	.....	2	.....	w.	0	0	sm n	.....	fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	30.03	762.7	78	25.6	.....	calm	.....	.....	0	.....	2	.....	e.	0	0	.....	.....	clear.
S. Annie, N. 35° 13′, W. 19° 24′ *	29.91	759.7	.....	.....	.....	n.	.....	.....	6	.....	8	.....	n.	0	0	r'gh	wnw	cloudy.
Schr. Abbie H. Gheen, Jacksonville, Fla*†	29.87	758.7	56?	13.3?	.....	wnw.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 48° 29′, W. 13° 27′ *†	29.96	761.0	52	11.1	.....	sw.	.....	.....	4	.....	8	.....	sw.	2 h'r	2 h'r	long	w.	hazy.
Bk. Achille F., N. 29° 3c′, W. 44° 30′ *†	30.37	771.4	70.5	21.4	78	sse.	.....	.....	4	.....	4	.....	s.	0	0	.....	.....	

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bk. Bore, N. 49° 43′, W. 4° 35′ *†	30.29	769.4	50	10.0		ese.			3		9		e.	2 h'r	2 h'r	sm'h	se.	cloudy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	79	26.1		ene.			4		2		ene.	0	0			fair.
Bk. Cato, Oporto, Portugal†	30.03	762.7	55	12.8	93	w.			4					0	0			fair.
S. David Stewart, Orchilla Island, Venezuela†	29.89	759 2	79	26.1		e.			3		5		ese.	0	0			
Schr. Edith R. Seward, Berbice, British Guiana †	30.06	763.5	82	27.8		ne.			2		4		ne.	0	0			clear.
U. S. Fish. Com. S. S. Fish Hawk, Washington, D. C.†	29.74?	755.4?	24	— 4.4		calm			0		10		calm	0.20	5.1			foggy.
S. Frank N. Thayer, N. 31° 18′, W. 43° 32′ *†	30.34	770.6				ssw.			4		2 ks		ssw.	0	0	mod.	wnw.	blue sky.
Bg. George, N. 29° 02′, W. 65° 50′ *†	29.92	760.0				e.			1		0			h'vy	h'vy	cross		clear.
Bk. Galeon, N. 47° 53′, W. 109° 10′			53	11.7		ssw.			2		10		s.	light	light	large	wsw.	showery.
S. Gatherer, N. 36° 28′, W. 57° 30′†	29.80	756.9	60	15.6	71	se.			3		9		w.	½ h'r	½ h'r			cloudy.
Bk. Heinrich & Tonio, N. 49° 22′, W. 13° 20′ *†	30.07	763.8	61	16.1	77	ssw.			4		fg.			10 h'r	10 h'r	long	w.	foggy.
Bk. Hattie G. McFarland, Aspinwall, U.S.C			79	26.1		ne.			1		5		ne.	0	0			
Schr. Jeanie N. Huddell, Wilmington N. C†	29.64	752.8	42	5.6		w.			5		10		w.	1 h'r	1 h'r			cloudy.
Bg. John Welsh, jr, N. 25° 52′, W. 56° 40′†	30.05	763.3				s.			6		5		s.			r'gh	s.	fair.
Schr. John Bird, N. 25° 31′, W. 67° 04′ *†	29.90	759 4				sw.			1		10		w.	5 h'r	5 h'r	r'gh	sw.	showery.
Schr. Jenny Greenbank, N. 31° 32′, W. 60° 34′*	29.86	758.4	62	16.7		ese.			5		9		sw.	24 h'r	24 h'r	con.	var.	threatening.
Bg. L. & W. Armstrong, N. 27° 46′, W 53° 30′†	30.10	764.5				ssw.			4		1		s.	0	0	mod.	s.	clear.
Lighthouse Tender Laurel, Key West, Fla†	29.96	761.0	64	17.8		w.			2–3		6		w.	0	0			fair.
S. S. Madrid, N. 41° 26′, E. 2° 45′ †	29.95	760.7	56	13.3	88	ne.			4		4		ne.	0	0	sm'h		fair.
Schr. Maggie Abbott, Gonaives, Hayti, W. I*†	29.94	760.5							3		2		e	0	0			clear.
Schr. Nellie T. Morse, N. 27° 05′, W. 72° 15′			64	17.8		w.			4		2		n.	4 h'r	4 h'r	large	nnw.	fair.
Bk. Sunbeam, N. 40° 46′, W. 22° 23′ †	30.17	766.3	60	15.6	82	w.			1		0			0	0	mod.	nw.	clear.
S. Stephen D. Horton, Antwerp, Belgium †	30.06	763.5				sw.			4		2		sw.	0	0			clear.
S. Tsemogora, N. 49° 26′, W. 14° 48′						ssw.			4		8		ssw.	0	0	long	wsw.	hazy.
Bk. Tros, N. 49° 08′, W. 11° 52′ *†	29.95	760.7	53	11.7		ssw.			4		3		w.	0	0	sm'h		clearing.
S. Vincenzo Accame, N. 36° 30′, W. 22° 58′†	30.17	766.3	59.0	15		nne.			4		3		n.	0	0	long	wnw.	
District No. 2—South Atlantic.																		
U. S. S. Pinta, S. 45° 02′, W. 63° 35′	30.04	763.0	59	15.0	59	s.			2		2		calm			long	s.	clear.
H. M. S. Amethyst, S. 51° 26′, W. 57° 48′	29.45	748.0	48	8.9	56	ssw.			6–7		5	sw.				3	ssw.	showery.
H. M. S. Opal, Simons Bay, Cape Colony	29.86	758.4	71	21.7	75	ese.			1		0							blue sky.
H.P.M.S. Rainha de Portugal, Benguela, Benguela	29.85	758.2	85.6	29.8	66	wnw.			2		2			0	0	2		blue sky.
S. S. Hevelius, Buenos Ayres, La Plata *†	30.02	762.5	78	25.6		wsw.			2		2		sw.	1 h'r	1 h'r			clear.
S. S. Teniers, S. 9° 34′, W. 31° 49′	29.99	761.7	79.3	26.3	85	ese.			5	cs	8 nk		sw.	3.12	79.2	3	var.	raining.
Bk. Adelaide, S. 23° 08′, W. 43° 00′ *†	30.16	766.1	82	27.8		nnw.			2		2		nnw.	0	0	long	ese.	clear.
S. S. George S. Homer, S. 3° 31′, W. 35° 00′*†	29.96	761.0				calm			0		7		ne.	0	0	sm'h	ne.	line.
S. Grecian, S. 13° 40′, W. 30° 46′†	30.09	764.3	81	27.2	74	ene.			4		3		e.	rain	rain	long	sw.	clear.
S. Henry Failing, S. 7° 10′, W. 29° 47′*†	30.00	762.0	82	27.8	96	e.			1		4			2 h'r	2 h'r	mod.	se.	fair.
Bk. Horace Scudder, Landano, Guinea*†	30.00	762.0	81	27.2		ssw.			4		5		sw.	0	0		sw.	fair.
S. Ismir, S. 43° 27′, W. 37° 00′ *†	30.24	768.1				nnw.			4		8		n.	0	0	r'gh	n.	dull.
Bkt. Levanter, Montevideo, Uruguay*	29.94	760.5				sw.			1		1		w.	0	0			clear.
S. S. Mendoza, S. 37° 19′, W. 49° 09′ †	30.15	765.8				nne.			4				nne.	0	0	mod.	ne	clear.
U. S. S. Nipsic, Buenos Ayres, La Plata*	29.89	759.2	70	21.1	95	w.			3		8							hazy.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.21	767.3	41	5.0	91	nw.			2		10		ssw.	0.08	2.0			gloomy.
U. S. S. Essex, Canton river, China	30.02	702.5	69	20.6	89	se.			3		2							fair.
U. S. S. Juniata, Roze Island, Corea	30.16	766.1	43	6.1	92	calm			0		10		calm	0	0			hazy.
U. S. S. Palos, Tientsin, China	30.21	767.3	32	0.0	100	w.			1		10							cloudy.
U. S. S. Ranger, Estero Real, Nicaragua	30.01	762.2	76	24.4	95	ene.			2		8			0	0			cloudy.
H.M.S. Audacious, Hong Kong, China	29.99	761.7	67	19.4	89	n.			1		2	ne.						blue sky.
H. M. S. Cleopatria, N. 22° 16′, E. 114° 10′	30.03	762.7	66	18.9	89	calm			0		0							blue sky.
H. M. S. Champion, Shanghai, China	30.02	762.5	43	6.1	59	se.			1		10	ne.						misty.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	29.97	761.2	55.4	13.0	91	sw.			1		0					1	sw.	misty.
H. M. S. Magpie, N. 5° 24′, E. 100° 20′	29.83	757.7	84.1	28.9	74	sse.			1		0							blue sky.
H. P. M. S. Tamega, Macao, China	30.03	762.8	68.0	20	91	calm			0		0			0	0			hazy.
U. S. S. Monocacy, Hong Kong, China	30.01	762.2	66	18.9	84	calm			0		2		calm					
S. S. City of Chester, near Point Reyes, Cal †	29.89	759.2	52	11.1	93	e.			4		10			0	0	sm'h		foggy.
S. S. Oregon, N. 40° 35′, W. 124° 35 †	29.94	760.5	47	8.3	91	n.			2							long	wnw.	foggy.
S. S. Willamette, N. 41° 08′, W. 124° 35′†	29.97	761.2	47	8.3	92	n.			3		0			0	0	sm'h		clear.
S. S. Alameda, N. 23° 00′, W. 155° 29′ †	30.05	763.3	67	19.4	100	se.			3		2		se.	0	0	light	e.	dense fog.
S. S. Ancon, Pigeon Point Cal†	29.83	757.7	53	11.7	100	nw.			3		5		w.	0	0	light	nw.	clear.
S. S. Geo. W. Elder, San Francisco, Cal			53	11.7	86	calm			0		0			0	0			overcast.?
S. S. State of California, San Francisco, Cal†	29.85	758.2	52	11.1	85	n.			1		1							clear.
S. S. City of Pekin, N. 30° 03′, W. 166° 50′†	30.00	702.0	60	15.6	65	nw.			5		0			0	0	long	w.	cloudy.
S. S. City of Rio de Janeiro, N. 32° 52′, E. 147° 09′†	30.13	765.3	57	13.9		ese.			2				s; ne.			mod.	e.	clear.
S. S. City of Tokio, Hong Kong, China†	30.07	763.8	65	18.3	78	ne.			2		0							cloudy.
S. S. Colima, N. 7° 35′, W. 79° 54′†	29.97	761.2	79	26.1	86	n.			2		3		ne.	0	0	small	ene.	clear.
S. S. San Jose, N. 9° 03′, W. 84° 33′†	29.88	758.9	81	27.2	87	ne.			3		0			0	0	small	sw.	overcast.
S. S. Benalder, N. 34° 30′, E. 135° 45′	30.13	765.8	58	14.4	87	ene.			4		7		ene.	8 h'r	8 h'r	mod.	e.	overcast.
S. St. Francis, N. 40° 15′, W. 130° 00′			49	9.4	71	ene			3		9		n.	0	0	sm'h	w.	
District No. 4—South Pacific.																		
U. S. S. Wachusetts, Arica, Peru	29.98	761.5	66	18.9	89	e.			1		5		calm			long	sw.	fair.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.17	766.3	64.3	17.9	66	calm			0		0							blue sky.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.91	759.7	73	22.8	85	s.			2		6	e.						d. cloudy.
S. S. City of Sydney, S. 2° 53′, W. 167° 10′ *†	29.89	759.2	80	26.7	82	ne.			2	2 c		ne.				small	ene.	clear.
S. S. Zealandia, S. 34° 01′, E. 170° 44′	30.28	709.1	65	18.3	78	ese.			4		0					sm'h		clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Suez Egypt	30.09	764.3	74	23.3	55	calm			0		0							clear.
H. M. S. Tourmaline, Nossi-Be, Island, Madagascar	29.88	758.9	81	27.2	91	wsw.			1		2					sm'h		blue sky.
S. Orealia, S. 38° 11′, E. 49° —′*	30.10	764.5				e.			5		10		e.	0	0	short	e.	cloudy.

International Chart I. March 2, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B.Hazen, Chief Signal Officer.

Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 3, 1884.

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.								Inch.	Mill.		
ALGERIAN.																			
Nemours	....	....	29.95	760.8	63.3	17.4	78	s.	.....	.....	3	.....	5	.....	.....	0	0	cloudy	Roziere.
Algiers	.....	.....	30.02	762.5	62.6	17.0	52	s.	.....	.....	3	.....	10	.....	.....	inap.	inap.	covered	Théve.
La Calle	.....	.....	30.01	762.2	59.4	15.2	87	s.	.....	.....	4	.....	3	.....	.....	0	0	pretty fair	Fonfrède.
Tunis	....	....	30.01	762.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.00	762.1	54.0	12.2	31	se.	.....	.....	4	.....	4	.....	.....	0	0	cloudy	Forfert.
Laghouat	.....	.....	30.02	762.6	66.6	19.2	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	30.01	762.3	59.4	15.2	76	calm	.....	.....	0	.....	0	.....	.....	0	0	clear	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.24	768.1	67.0	19.4	63	calm	0	0	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.98	761.5	30.18	766.6	56	13.3	70	w.	10	4.5	.....	.....	0	.....	.....	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.20	767.1	30.29	769.3	58.5	14.7	88	sse.	5	2.2	.....	.....	2	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.59	751.5	30.16	766.0	40.6	4.8	76	e.	.....	.....	1	.....	10	.....	.....	0.075	1.9	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.45	748.1	30.25	768 3	39.2	4.0	77	e.	21.7	9.7	.....	.....	0	...	...	0	0	.....	Dr. Wierzbiski
Eperies	29.34	745.2	30.24	768.2	42.4	5.8	57	calm	.....	.....	0	.....	2 s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.90	734.0	30.20	767.0	39.0	3.9	77	s.	.....	.....	1	.....	10	.....	.....	0.539	13.7	.....	Andreas Rospini.
Hermannstadt	28.75	730 3	30.23	767.8	41.2	5.1	74	se.	.....	.....	5	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.75	730.2	30.13	765.4	38.8	3.8	87	calm	.....	.....	0	.....	10	.....	.....	0	0	cloudy	The Staff.
Lemberg	29.39	746.6	30.41	773.1	32.9	0.5	71	e.	.....	.....	4	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.96	761.0	30.08	763.9	46.4	8.0	90	nnw.	.....	.....	1	.....	10	.....	.....	0.370	9.4	.....	I. R. Hydrographic Office.
Szathmar	29.73	755.2	30.21	767.4	42.3	5.7	80	s	.....	.....	5	.....	2	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.89	759.3	30.19	766.7	44.8	7.1	74	calm	.....	.....	0	.....	10	.....	.....	0	c	.....	Karl Stancel.
Trieste	30.01	762 2	30.11	764.7	50.0	10.0	54	e.	.....	.....	3	.....	10	.....	.....	0.181	4.6	.....	Royal Academy.
Vienna	29.47	748.5	30.22	767.6	35.8	2.1	91	se.	.....	.....	2	.....	10	.....	.....	0.079	2.0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.63	727.1	30.05	763.2	42.8	6.0	71	se.	.....	.....	1	.....	2	.....	.....	0	0	.....	.....
Brussels	29.84	757.9	30.02	762.6	42.4	5.8	64	ssw.	.....	.....	2	10	.....	nw.	.....	0	0	.....	.....
Furnes	29.98	761.6	30.00	762.1	39.7	4.3	73	s.	.....	.....	0–1	.....	10	.....	.....	0.004	0.1	.....	.....
Maeseyck	29.95	760.8	30.08	764.0	49.0	9.8	58	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.59	751.6	29.69	754.1	39.5	4.2	60	se.	31	13.9	.....	.....	7	.....	.....	0.190	4.8	d clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.55	750.6	30.2	2.3	95	se.	32	14.3	.....	.....	10	.....	.....	.....	.....	overcast	John Harmup.
Bolton, Sharples	29.08	738.6	29.62	752.3	34.3	1.3	95	sse.	18	8.0	.....	.....	10	.....	.....	.....	.....	snowing	Thomas Mackereth.
Bradford, Yorkshire	29.28	743.7	29.67	753.6	35.5	1.9	91	se.	.....	.....	4	.....	10	.....	.....	0.01	0.3	snowing	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.03	762.7	30.06	763.5	80	26.7	74	ne.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	37.0	2.8	90	s.	.....	.....	3.0	.....	10	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E	29.72	754.9	29.90	759.4	40.1	4.5	89	sw.	.....	.....	3	.....	10	.....	.....	.....	.....	raining	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.45	748.0	29.68	753.9	50.2	10.1	45	sw.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.47	697.7	29.78	756.4	84.5	29.2	80	ne.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.39	746.5	29.43	747.5	46	7.8	84	se.	.....	.....	4	.....	6	.....	.....	0.33	8.4	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	30.01	762.2	30.10	764.5	60.0	15.6	83	e.	.....	.....	3	.....	7	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.68	753.9	29.86	758.4	39.9	4.4	86	sse.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.47	748.5	29.77	756.1	44.8	7.1	98	s.	.....	.....	6	.....	10	.....	.....	.....	.....	raining	A. Collenette, F.R.M.S
Kew, Observatory	29.81	757 2	29.85	758 2	40.4	4.7	88	s.	18	8.0	.....	.....	10	.....	.....	.....	.....	raining	The Staff.
Leicester, Museum	29.46	748.3	29.72	754.9	35.0	1.7	95	s.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	J. C. Smith.
Malta, Mediterranean	29.99	761.7	30.06	763.5	61.4	16.3	72	ne.	.....	.....	3	.....	8	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.11	764.8	30.16	766.1	65.0	18.3	63	n.	.....	.....	3	.....	2	.....	.....	.....	.....	blue sky	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.54	750.3	29.77	756.1	39.4	4.1	95	sse.	.....	.....	5	.....	10	.....	.....	.....	.....	raining	The Staff.
Plymouth	29.58	751.3	29.66	753.4	49.7	9.8	97	sw.	.....	.....	4	.....	10	.....	.....	.....	.....	raining	John Merrifield.
Sandwick Manse, Orkneys	29.50	749 3	29.60	751.8	37.7	3.2	88	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	showery	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.06	763.5	30.13	765.3	49.7	9.9	82	ene.	.....	.....	2	.....	10	.....	.....	.....	.....	showery	W. H. Lyne.
Sheffield	29.41	747.0	29.70	754.4	35.4	1.9	95	s.	.....	.....	1	.....	10	.....	.....	.....	.....	showery	W. F. Cooper.
Silloth Rectory	29.51	749.5	29.54	750.3	38.6	3.7	89	se.	.....	.....	5	.....	10	.....	.....	.....	.....	snowing	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.64	778.2	35.1	1.7	91	se.	23	10.3	.....	.....	10	.....	.....	0.165	4.2	snowing	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	40.9	4.9	91	se.	.....	.....	2.5	.....	10	.....	.....	0.268	6.8	raining	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.55	750.6	29.57	751.1	49.6	9.8	68	w.	16	7.2	.....	.....	6	.....	.....	blank	blank	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.75	755.6	30.14	765.5	60.4	15.8	62	sw.	1.8	0.8	.....	9 c	0	w.	.....	0	0	cloudy	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.91	759 7	30.02	762.5	65.1	18.4	82	wnw.	4	1.8	.....	.....	9 k	.....	wsw.	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	29.39	746.5	29.43	747.5	11.0	—11.7	.....	nw.	5	2.2	.....	.....	1c n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.21	741.9	29.20	743.2	15	— 9.4	96	nw.	16	7.2	.....	.....	10 n	.....	.....	0.300	7.6	light snow	H. J. Cundall, C. E.
Chatham, N. B*	29.37	746 0	29.44	747.8	4	—15.6	91	w.	1	0.4	.....	0	hz.	.....	...	0	0	hazy	G. A. Blair.
Cornwall, Ontario	29.44	747.8	29.65	753.1	—10.0	—26.7	100	e.	.....	.....	1	.....	fg.	.....	.....	0	0	dense fog	Jas. Smith, M. A.
Dalhousie, N. B	29.41	747.0	29.46	748.3	0.5	—17.5	.....	w.	.....	.....	1	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec*	29.52	749.8	29.54	750.3	5	—15.0	91	n.	11	4.9	.....	0	5 k	.....	.....	0	0	clear	J. McWilliams.
Fort Garry, Manitoba*	29.37	746.0	30.38	771 0	—28	—33.3	100	w	15	6.7	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	29.45	748.0	29.52	749.8	3.1	—16.1	92	nw.	10	4.5	.....	0	0	.....	.....	0	0	blue sky	Dr. Thos. Harrison.
Grand Manan, N. B	29.48	748.8	29.54	750.3	11	—11.7	80	nw.	10	4.5	.....	5 k	0	nw.	.....	0	0	fair	J. Chipman Seeley
Granton, Ontario	29.48	723.4	29.70	754 4	2.7	—16.3	95	calm	0	0	.....	0	0	.....	.....	0	0	gloomy	Jas. Grant.
Halifax, N. S*	29.20	741.7	29.33	745.0	17	— 8.3	91	w.	13	5.8	.....	8 k	0	.....	.....	0.68	17.3	cloudy	A. Allison.
Hamilton, Ontario	29.22	742.2	29.05	753.1	13.5	—10.3	80	w.	.....	.....	1	5 c	0	w.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.28	743 7	29.66	753 4	— 1	—18.3	75	calm	0	0	.....	10 k	0	.....	.....	0	0	fair	A. P. Knight, M. A.
Little Glace Bay, N. S	29.71	729 2	28.76	730.5	24.0	— 4.4	100	nw.	6	2.7	.....	.....	10 n	.....	.....	0.300	7.6	overcast	C. H. Rigby.
London, Ontario	28.71	729.2	29.09	754.1	0.0	—14.4	95	calm	.....	.....	0	.....	10 n	.....	.....	0.050	1.3	snowing	E. B. Reed.
Medicine Hat, N. W. T	27.91	708 9	30.44	773.2	0	—17.8	91	ne.	10	4.5	.....	.....	10 n	.....	.....	0.10	2.5	cloudy	John Ewart.
Minnedosa, N. W. T	28.10	715.3	30.45	773.4	—26	—32.2	100	nw	4	1.8	.....	0	0	.....	.....	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.46	748 3	29.09	754.1	— 5	—20.6	91	calm	0	0	.....	2 c	0	sw.	.....	0	0	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.44	747.8	29.71	754.6	—30.8	—34.9	100	sw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	28.93	734 8	29.72	754.9	—13	—25.0	74	n.	5	2.2	.....	5 k	2 ks	n.	n.	0	0	fair	Rev. R. Mosley.
Peterboro, Ontario	28.56	733.0	29.06	753.4	10.7	—11.8	49	w.	.....	.....	2	.....	10 k	.....	.....	0.02	0.5	snowing	Wm. O'Connor, M.A.
Port Arthur	29.34	745 2	30.14	765.5	— 7	—21.7	78	w.	2	0.9	.....	5 cs	0	nw.	.....	0	0	fair	W. P. Cooke.
Port Dover, Ontario	28.90	734 0	29.65	753.1	0	—14.4	100	n.	5	2.2	.....	.....	10 n	.....	.....	0.04	1.0	threatening	H. Morgan.
Port Stanley, Ontario	28.95	735.3	29.65	753.1	9	—12.8	87	ne.	8	3.6	.....	.....	10 n	.....	ne.	0.06	1.5	light snow	M. Payne.
Qu Appelle, N. W. T	27.90	708.6	30.55	776.0	—18	—27.8	.....	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.25	742.9	29.65	753.1	—10	—23.3	70	calm	0	0	.....	0	0	.....	.....	0	0	clear	Capt. Asne, R. N.
Rockville, Ontario*	29.31	744.5	29.85	758.2	—23	—30.6	64	nw.	3	1.3	.....	2 c	0	w.	.....	0	0	fair	W. H. McIntyre.
St. Andrews, N. B	29.46	748 3	29.51	749.5	5	—15.0	95	nw.	9	4.0	.....	0	0	.....	.....	0	0	clear	.....
St. John, N. B	29.33	745.0	29.49	749.0	7.3	—13.7	88	nw.	8	3.6	.....	0	0	.....	.....	0	0	blue sky	G. Hutchinson.
St. Pierre, N. F	.....	.....	28.86	733.0	37.4	3.0	.....	s.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	29.29	744.0	30.09	764.3	— 1	—18.3	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	.....
Stratford, Ontario	28.29	718.6	29.70	754.4	— 0.7	—18.2	83	.....	.....	.....	.....	.....	10 s	.....	.....	0	0	d. clouds	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	29.69?	754.1?	29.75?	755.6?	26	— 3.3	100	n.	15	6.7			10 n			0.40	10.2	light snow..	T.C.Hill, C.E.
Toronto, Ontario*	29.26	743.2	29.67	753.6	7	—13.9	83	n.	10	4.5			10 s			0.02	0.5	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.54	724 9	29.71	754.6	4.7	—15.2	85	sw.	1	0.4			10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.44	747.8	29.52	749.8	19	— 7.2	73	nw.	15	6.7		0	5 k		nw.	0.12	3.0	fair	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.91	759.7	29.94	760.5	73.5	23.1	88	ne.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.88	758 9			72.0	22.2	61	e.				5 c;k	n			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.87	707.9			74	23.3	47									0	0		J T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.48	748.8	29.59	751.5	56.1	13.4	71	e.			4	1 c		w.		0	0		Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina																			Leon Herrera.
Valparaiso	29.88	758.9	30.02	762.5	59.0	15.0	85	n.			2		10 n		n.	0	0	cloudy	Paez-i-Ampuero.
					61.2	16.2	87	n.			1		10					cloudy	
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.26	768.7	30.29	769.3	41.2	5.1	86	nnw.	10.7	4.8			10			0	0	covered	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	30.23	767 8	30.28	769.0	35.4	1.9	73	se.	34	15			10						Oversergent Fischer.
Fanöe	30.10	764.4	30.11	764.9	34.7	1.5	93	se.			4		10						Overloerer Lauridsen.
Godthaab, Greenland	29.58	751.2	29.62	752.3	— 0.4	—18.0	100	nw.			4		8						S. Kleinschmidt.
Ivigtut, Gree land	29.40	746.7	29.42	747 2	10.0	—12.2		n.			6		5						
Stykkisholm, Iceland	28.88	733.6	28.93	734.7	40.6	4,8	86	s.			7		10					raining	A. O. Thorlacius.
Thorshavn	29.56	750.9	29.59	751.5	42.3	5.7	71	se.	31	14			10						Overloerer Bergh.
Upernavik, Greenland	29.45	748.0	29.50	749.2	—11.4	—24.1		sw.			6		6					snowing	
Vestervig	30.05	763.3	30.14	765.6	33.1	0.6	94	ese.			4		10					raining	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.97	761,2			69.8	21.		ne.	8.1	3.6			0			0	0		Albert Ismaiun, Dir.
FRENCH.																			
Agen, Normal School	29.50	749.3	30.16	766.1	50.0	10.	74	calm			0	7 c				0	0		M. Labroue, Director.
Alençon, Normal School	29.46	748.2	30.01	762.2	42.1	5.6	85	s.			1		10 n		n.	0	0	covered	M. Nicot, Director.
Arras, Normal School	29.78	756.5	30.03	762.8	40.6	4.8	59	w.			2		1	nw.		0	0	clear	M. Ungerer, Director.
Avignon, Normal School	30.01	762 3	30.09	764.3	59.0	15	52	nnw.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.50	749.4	30.08	763.9	49.3	9.6	54	sse.			1		5 k			0	0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.76	755 9	30.04	762.9	43.5	6.4	65	se.			1		10			0	0	covered	M. Frère Eugène Marie.
Besançon, Normal School	29.13	739.8	30.04	762 9	51.1	10.6	46	e.			1		0			0	0	clear	M. Gobin, Director.
Bordeaux, Observatory	29.80	756.8	30.06	763.6	51.3	10.7	65	se.			1		5			0	0	cloudy	M. Rayet, Director.
Bourges, Normal School	29.52	749.7	30.08	763.9	50.7	10.4	74	ssw.			2		5		ssw.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.64	752.8	29.88	759.0	49.6	9.8	95	sw.			4		10		sw.	0.047	1.2	raining	M. de Kermarec, Dir.
Caen, Normal School	29.95	760.6	30.02	762.5	43.9	6.6	88	ssw.			1		10			0	0	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l	29.72	754.8	30.04	763.1	44.8	7.1	71	sw.			1		5			0	0	cloudy	M. Jadot, Director.
Charleville, Normal School	29.51	749.6	30.04	762.9	43.9	6.6	82	ese.			1		10		e.	0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.67	728.3	30.03	762.8	54.1	12.3	41	nw.			1		5			0	0		M. Alluard, Director.
Cluny, Normal School	29.22	742.1	30.12	765.0	52.3	11.3	49	s.			1					0	0		M. de Villemontée, Dir.
Commercy, Normal School	29.21	741.8	30.10	764 4	43.0	6.1	66	ese.			1		2 k	ese.	ese.	0	0	slightly cl'dy	Dr. Coulet, Director.
Gap, Normal School	27 50	698 4	30.05	763 3	50.0	10.	50	calm			0		2 k			0	0		M. Jarach, Director.
Grèasque, du Rhone	28.93	734.8	30.06	763.4	57.4	14.1	48	s.			2		5		s.	0	0		M. Kina, Director.
Grenoble, Normal School	29.29	744.0	30.07	763.7	52.9	11.6	61	nw.			1		k		w.	0	0		M. Ablard, Director.
Guéret, Normal School	28.43	722.0	30.05	763 3	47.3	8.5	64	s.			4		2 k		sw.	0	0	slightly cl'dy	M. Delorme, Dir.
Lamballe Normal School																			M. Poupre, Dir.
Lescar, Normal School	29.52	749.8	30.00	762.0	56.3	13.5	40	w.			1	c				0	0		M. Chauvin, Director.
Lorient, Naval Observatory	29.85	758.3	29.96	760.9	50.7	10.4	77	s.			4		10		s.	0.748	19.0	raining	L . T. Carre, Director.
Lyon, St. Genis-Laval	29.01	736.9	30.08	764.0	49.5	9.7	55	e.			1		0			0	0	misty	M. André, Director.
Mans, Normal School	29.72	755 0	30.04	763.0	44.1	6.7	70	sse.			1		10			0	0	covered	M. Richard, Director
Marseille, Observatory	29.76	756.0	30.04	762.9	57.9	14.4	61	sw.			1		2		sw.	0	0		M. Stephan, Director.
Montlouis	24.80	630.0	29.65	753 0	41.0	5.0	60	sw.	9.4	4.2			0			0	0		M Cave for Dr. Fines.
Montpellier, Normal School	29.95	760.6	29.66	753 4	57.2	14	67	se.			2		0			0	0	clear	M. Galzin, Director.
Nancy, Normal School	29.29	744.0	30.10	764.5	42.1	5.6	66	wnw.			1	ck	n		w.	0	0		M. Hasse, Director.
Nantes, Observatory	29.88	758.9	30.04	763 0	47.8	8.8	74	sse.			1–2		10		ssw.			raining	M. Larocque, Director.
Perpignan, Observatory	29.98	761.5	30.10	764.4	58.5	14.7	30	e.	3.8	1.7			0			0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.13	536.8			22.5	— 5.3		nw.			1		1		w.	0	0	clear	M. Vaussenat, Director.
Privas, Normal School	29.01	736.9	30.09	764.2	52.5	11.4	59	calm			0		0			0	0	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	25 11	637.7			32.4	0.2	73	wsw.			3		5		wsw.	0	0		M Alluard.
Rochefort, Naval Obs'y	30.03	762 8	30.06	763.6	51.4	10.8	63	s.			1		5		s,	0	0	½ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.81	757 2	30.03	762.8	46.4	8	25	se.			1			s	se.	0	0		M. Brotlier, Director.
Rodez, Normal School	27.90	708 7	30.06	763.6	49.5	9.7	38	nw.			1				se.	0	0	clear	M. Seger, Director.
Rouen, Normal School	29.97	761.2	30.02	762.4	44.2	6.8	62	s.			1		0			0	0	clear	M. Moullot, Dir.
Saint Maur, Observatory	29.88	759.0	30.05	763.2	43.0	6.1	57	se.			1		10		wnw.	0	0		M. Renou, Director.
Toulouse, Observatory	29.40	746.7	30.12	765.1	54.7	12.6	65	e.			1		2			0	0	slightly cl'dy	M. Bailland, Director.
Tours	29.86	758.4	30.04	763.0	47.5	8.6	57	ne.			1		1	nw.		0	0	clear	M. de Tastes.
Versailles, Observatory	29.54	750.2	30.03	762 7	43.5	6.4	65	sw.			1		10			0	0	covered	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.93	760.1	30.08	763.9	56.7	13.7	53	se.	9.8	4.4			9 k			0	0	misty	M. Cartier, Director.
GERMAN.																			
Ansbach	28.64	727.4	30.12	765.0	43.5	6.4	50	s.			2		1	s.		0	0		Prof. Jnedt.
Bamberg	29.24	742.7	30.09	764.2	42.1	5.6	69	se.			2		6 ks			0	0		Prof. Dr. Hoh.
Berlin	30.04	762.9	30.19	766.7	38.8	3.8	64	se.			2		10			0.020	0.5		Meteorological Institute
Breslau	29.72	754.8	30.25	768.4	40.6	4.8	62	ese.			2		1	ese.		0	0		Royal University Obs'y
Carlsruhe	29.64	752.9	30.11	764.8	43.9	6.6	62	sw.			1		0			0	0		Albert Senz.
Cassel	29.35	745.5	30.06	763.6	43.2	6.2	66	ssw.			2		5	s.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.74	755.5	30.12	765.0	45.1	7.3	59	ese.			1		6			0	0		Physical Society.
Friedrichshafen	28.65	727.7	30.11	764.8	40.6	4.8	84	sw.			1		1	nne.		0	0		Wilhelm, Chief Tel.
Hamburg	30.06	763.6	30.15	765.9	35.2	1.8	91	se.			3		10			0	0		E. Preller.
Kiel	30.15	765.9	30.17	766.3	36.3	2.4	85	se.			2		10			0.059	1.5		Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.72	754.9	30.15	765 9	40.6	4.8	87	se.			2		10	se.		0.083	2.1		H. Leppig, Asst.
Magdeburg	29.96	760.9	30.15	765.9	36.5	2.5	89	ese.			1		10			0.110	2.8	foggy	Weather Observatory.
Memel	30.57	776.5	30.62	777.7	39.0	3.9	65	se.			3		0					clear	Issermann.
Munich	28.26	717 8	30.13	765.3	39.7	4.3	63	calm			0		2			0	0		Central Station.
Neufahrwasser	30.46	773.7	30.48	774 1	38.3	3.5	70	se.			3		8	se.		0	0		A. Lothes.
Neustadt, Palatinate	29.53	750.1	30.06	763.5	44.1	6.7	64	w.			1		4	w.		0	0		Prof. Dickn ether.
Stuttgart	29.12	739.7	30.04	762.9	45.1	7.3	68	sw.			1		3	sw.		0	0	dense fog	Prof. Dr. Schoder.
Wustrow	30.15	765.7	30.17	766.3	37.6	3.1	73	se.			3		10 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.66	753.4	30.04	763.1	66.2	19.0		s.			2.0	2	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.82	757 3	29.87	758.6	78.9	26.1	74	wsw.	30.0	13.4			8	wsw.		0	0	d. clouds	
Deesa	29.37	745.9	29.83	757.7	93.8	34.3	17	wnw.	11.0	4.9			0			0	0	blue sky	
Bombay	29.84	757.9	29.88	758.8	81.2	27.3	82	wsw.	8.0	3.6			0?			0	0	d. clouds?	
Poona, Yarrowda	27.98	710.8	29.78	756.5	95.3	35.2	14	nw.	9.0	4.0			6		e.	0	0	d. clouds	
Belgaum	27.35	694.7	29.84	758.0	85.7	29.8	44	wsw.	8.0	3.6			3	w.	e.	0	0	d. clouds	
Lahore	29.18	741.1	29.94	760.5	69.7	20.9	53	calm	0	0			10		w.	0	0	overcast	
Roorkee	28.96	735.6	29.87	758.6	77.7	25.4	36	calm	0	0			8	w.		0	0	overcast	
Agra	29.30	744.1	29.85	758.3	87.7	30.9	21	w.					1		w.	0	0	d. clouds	
Nagpur	28.83	732 3	29.85	758.2	92.7	33.7	17	calm	0	0			0			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.54	725.0	29.88	758.9	86.0	30.0	24	ne.	4.0	1.8			0			0	0	blue sky	
Lucknow	29.49	749.0	29.86	758.5	85.1	29.5	23	wsw.	2.0	0.9			0			0	0	blue sky	
Allahabad	29.55	750.5	29.86	758.4	86.5	30.3	25	calm	0	0			0			0	0	blue sky	
Patna	29.64	752.9	29.83	757.6	84.4	29.1	23	wnw.	4.9	2.2			0			0	0	blue sky	
Hazaribagh	27.87	707.9	29.88	758.9	79.0	26.1	28	nw.	4.0	1.8			0			0	0	blue sky	
Cuttack	29.80	756.8	29.88	758.9	87.3	30.7	35	ssw.	1.0	0.4			0			0	0	blue sky	
Calcutta, Alipore	29.86	758.3	29.88	758.9	82.0	27.8	34	wnw.	2.5	1.1			0			0	0	blue sky	
Dhubri	29.75	755.7	29.87	758.7	76.5	24.7	41	calm	0	0			0			0	0	blue sky	
Chittagong	29.83	757.6	29.92	760.0	75.6	24.2	83	sw.	5.3	2.4			0			0	0	misty	
Sibsagar	29.63	752.6	29.98	761.5	63.2	17.3	89	ne.	1.0	0.4			8	sw.	sw.	0.05	1.3	d. clouds	
Jeypore	28.40	721.2	29.82	757 4	87.5	30.8	27	w.	3.2	1.4			4		w.	0	0	d. clouds	
Zanzibar	29.84	758.0	29.86	758.5	88.3	31.3	56	ene.	8.0	3.6			1			0	0	d. clouds	
Bellary	28 37	720 6			94.0	34.4	17	nne.	6	2.7		0	0			0	0	blue sky	
Trichinopoly	29.65	753.1			91.1	32.8	25	ene.	0.3	0.1		0	0			0	0	blue sky	
ITALIAN.																			
Udine	29.68	753.9	30.10	764.5	50.4	10.2	58	ne.	8.1	3.6			9			0.118	3.0		Prof. Giovanni Olodig.
Milan	29.59	751.6	30.12	765.0	51.8	11.0	63	sw.	3.1	1.4			4	ssw.		0	0		Prof. G.V.Schiapparelli
Padua	29.99	761.8	30.11	764.7	50.4	10.2	68	nw.	2.5	1.1			10	e.		0.051	1.3		Prof. Dott. Lorenzoni.
Moncalieri	29.17	740.8	30.08	764.0	50.4	10.2	52	s.	3.1	1.4			2	ne.		0	0		Prof. F. F. Denza.
Genoa	29.90	759.5	30.10	764.4	55.8	13.2	58	s.	4.3	1.9			6	sw.		0	0		Prof. G. M. Garibaldi.
Pesaro	30.06	763.6	30.11	764.9	47.5	8.6	86	n.	11.9	5.3			10	wsw.		0.280	7.1		Prof. Luigi Guidi.
Florence	29.82	757.4	30.08	763.9	57.2	14.0	57	e.			2		9			0	0		Prof. Costantino Pit.ei.
Leghorn	29.95	760.6	30.03	762.8	54.3	12.4	70	s.	3.8	1.7			0			0	0		Prof. P. Monte.
Rome	29.88	759.0	30.06	763 5	58.5	14.7	56	sw.	0	0			8			0	0		Prof. P. Tacchini.
Lecce	29.82	757 3	30.07	763 8	56.5	13.6	77	ene.	2.5	1.1			0	n.		0.768	19.5		Prof. C. de Giorgi.
Cosenza	29.17	740.8	30.07	761.7	56.1	13.4	77	sw.	1.8	0.8			4	sw.		0.024	0.6		Prof. D. Conti.
Palermo	29.84	758.0	30.10	764.4	58.5	14.7	56	ne.	3.8	1.7			10			0	0		Prof. G. Cacciatore
Syracuse	30.00	762 1	30.05	763.2	62.2	16.8	67	e.	3.8	1.7			7	wsw.		0	0		Sig. V. Giuffrida.
Sub-series.																			
Naples, Astron'l Obs'y	29.56	750.8			57.4	14.1	73	wsw.	4.9	2.2			4	ssw.		0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	29.71	754.6	29.74	755.5	33.2	0.7	98	n.			2		10 n			0.311	7.9	raining	H. Hattori.
Awomori	29.78	756 4	29.82	757.4	34.8	1.6	74	e.	3.6	1.6			10 s			0.003	0.1	overcast	K. Ogawa.
Hakodate	29.87	758.6	29.88	758.9	27.6	— 2.4	85	nw.	6.0	2.7		8 cs	0			0	0	cloudy	Y. Souma.
Hamamatsu	29.41	747.0	29.51	749.5	48.8	9.3	98	calm			0		10 n			0.882	22.4	raining	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.79	756.6	29.80	757 0	44.3	6.8	72	n.	12.5	5.6			10s;ks		n.	0.465	11.8	cloudy	Y. Okamoto.
Kagoshima	29.72	755.0	29.74	755.3	52.3	11.3	78	nw.			2		10 s			0.024	0.6	overcast	
Kanazawa	29.63	752.7	29.74	755.4	36.4	2.4	96	nw.	2.2	1.0			10 n			1.100	27.9	raining	S. Endo.
Kioto	29.48	748.9	29.66	753 3	45.6	7.6	76	nnw.	8.7	3.8			10 s		n.	0.791	20.1	cloudy	M. Tojima.
Kochi	29.59	751.6	29.62	752 2	55.0	12.8	63	n	11.6	5.2		9 ck	0	nw.		0.020	0.5	overcast	K. Kusunose.
Miyazaka	29.68	753 9	29.71	754.6	56.6	13.7	73	wsw.			2	0	7 s		w.	0.008	0.2	fair	K. Masusak &T. Ishitain.
Miyako	29.69	754.1	29.80	756 0	32.4	0.2	97	calm	0	0			10 n			0.582	14.8	snowing	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.68	753.9	29.88	758.9	40.1	7.8	81	n.	12.6	5.6		2 ck	7 s	nw.	n.	0.140	3.6	cloudy	
Nemuro	29.91	759.7	29.96	761.0	27.0	— 2.8	61	calm	0	0			10 s			0	0	cloudy	A Shibuya.
Niigata	29.62	752.3	29.66	753.3	38.3	3.5	98	ne.	5.6	2.5			10 n		ne.	0.980	24.9	light rain	Satoo & Tomikawa.
Nohiru	29.67	753 6	29.69	754.0	33.5	0.8	96	n.	17.0	7.6			10 n		nnw.	0.630	16.0	raining	Yoshino & Midzushina.
Numadzu	29.50	749.3	29.54	750 3	46.2	7.9	98	e.			1		10 n			1.992	50.6	raining	T. Ohgi.
Osaka	29.65	753.1	29.67	753.5	46.8	8.2	80	n.	12.9	5.7			10s;ks			0.815	20.7	cloudy	
Sakai	29.86	758.4	29.87	758 6	41.9	5.5	86	ene.			4		10 n		nne	0.705	17.9	raining	Yamawchi & Sakamoto.
Sapporo	29.84	758 0	29.91	759.7	19.0	— 7.2	77	calm	0	0			10 s			0	0	covered	S. Kimura.
Shimonoseki	29.73	755 1	29.87	758.8	43.9	6.6	78	nnw.			2		10 ks			0.433	11.0	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.50	749 4	29.58	751.3	39.0	3.9	97	n.	14.1	6.3			10 n			0.828	21.0	rainy	The Staff.
Wakayama	29.62	752.4	29.68	753 8	46.5	8.1	87	n.	7.4	3.3			10 n			0.313	8.0	light rain	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.73	755.1	29.91	759.7	81.8	27.7	70	ene.	10.5	4.7		4ck;cs	3 ks;ks	wsw.	e.	0.06	1.5	fair	The Staff.
MEXICAN.																			
Leon	24.33	618.0	30.08	764.0	52.5	11.4	79	n.	0.9	0.4		0	8 ck;n			0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.69	754.0	29.95	760.7	66.0	18.9	68	e.	5.3	2.3		1 cs	0			0	0	light haze	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.04	763.0	30.04	763.0	41.7	5.4		s.			2					0	0		
Groningen	30.02	762.6	30.08	764.0	38.3	3.5		se.			1					0.004	0.1		
Helder	30.03	762 7	30.03	762.7	40.6	4.8		se.			2					0	0		
Hellevoetsluis	30.04	763 0	30.04	763.0	42.4	5.8	71	sse.			2					0	0		
Utrecht	30.02	762.4	30.06	763.6	42.8	6.0	57	sse.			2		2			0	0	lightly cl'dy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.86	758.4			78.4	25.8	90	nw.	0	0			9			0.075	1.9		Lt. J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.06	763.4	30.12	765.0	37.8	3.2	47	ese.	9	4			6			0	0		
Brono	30.27	768 8	30.31	769.8	38.1	3.4	41	sse.			2		0			0	0		
Christiania	30.25	768.4	30.41	772.4	32.0	0.0	96	ene.	13	6			10					snowing	
Gjæsvær	30.30	769.5	30.32	770.1	39.4	4.1		wsw.			2		10			0	0		
Lodingen	30.31	769 8	30.35	771.0	37.4	3.0	79	calm			0		0			0	0		
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos.
Funchal, Madeira	30.11	764.8	30.20	767.0	63.9	17.7	65	nnw.					0			0.035	0.9		Capt. D. A. de Cunha.
Lisbon, Observatory	29.76	755 8	30.10	764.4	56.5	13.6	70	ne.	7.4	3.3			3			0	0		The Staff.
Ponta Delgada, Azores	30.17	766.4	30.24	768.2	60.8	16.0	93	w.	6.3	2.8			10			0.067	1.7	light rain	
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	30.06	763.6	30.10	764.5	69.4	20.8	73	ne.			4		10			0	0		
San Salvador, Congo	28.03	712.0	29.83	757 7	86.5	30.3	60	wsw.			1		7			0	0		
Serra da Estrella	25.29	642.3	30.09	764.2	42.3	5.7	57	nnw.	8.1	3.6			8			0	0		
RUSSIAN.																			
Akmolinski	29.54	750.4	30.83	783.0	—17.9	—27.7	82	sw.	7	3		0	0			0	0		Major K. Lasarew.
Archangel	30.40	772.2	30.42	772.7	20.1	— 6.6	81	w.	4	2		0	6 ks			0	0		Capt. Sselliwerstow
Ashuradа	30.38	771.6	30.28	769 2	52.2	11.2	74	nw.	11	5		0	1 k			0	0		
Astrakhan	30.57	776.4	30.49	774.4	25.9	— 3.4	82	e.	11	5			10						Capt. Wisganow.
Baku	30.35	771.0	30.31	769.8	47.1	8.4	88	sse.	13	6		3 cs	0			0	0		
Barnaul	30.14	765.6	30.73	780 5	—11.2	—24.0	73	ssw.	13	6			8			0	0	light clouds	Meteorological Office.
Bielosersk	30.18	766.6	30.70	779.7	16.2	— 8.8	97	calm	0	0			10			0	0	foggy	
Dorpat	30.52	775 1	30.78	781.9	20.5	— 6.4	82	ene.	2	1		0	0			0	0		Observatory.
Ekaterinburg	29.34	745.1	30.36	771.2	25.7	— 3.5	62	wsw.	27	12		6c;ck	0					snow-drift	Meteorological Obs'y
Elisawetgrad	30.00	763.5	30.54	775.8	27.7	— 2.4	79	ne.	7	3		0	7 ks			0	0		
Kasan	30.42	772 7	30.72	780 3	17.4	— 8.1	56	wsw.	2	1		0	0			0	0		Observatory.
Kem	30.48	774.2	30.53	775.5	23.4	— 4.8	76	w.	13	6			0			0	0		
Kertch	30.33	770.3	30.35	770 9	30.7	— 0.7		n.	4	2			10 n			0	0		Lagorio & Sastyres
Kieff	29.89	759.3	30.59	777 0	28.0	— 2.2	55	ene.	7	3		0	2 ks			0	0		Observatory.
Koslov	30.13	765.4	30.69	779.6	12.7	—10.7	70	ene.	2	1		0	0			0	0		
Lgov	30.00	763 5	30.70	779.7	20.7	— 6.3	49	ene.	11	5			0			0	0		R.I.Ssaweljew, Engin'r.
Libau	30.59	777.0	30.61	777.6	38.5	3.6	62	e.	4	2			0			0	0		[illegible] Quass
Lugan	30.17	766.4	30.39	772.0	18.7	— 7.4	78	ene.	22	10			10			0.043	1.1		Meteorological Obs'y
Moscow	30.18	766.6	30.71	780.0	21.9	— 5.6	85	calm	0	0		0	0			0	0		Meteorological Obs'y
Nertschinsk	27 97	710.5	30.55	775.9	— 1.8	—18.8	66	calm	0	0			0			0	0		
Nikolaiev	30.40	772.2	30.47	774.0	28.0	— 2.2	77	ne.	13	6			10 n			0	0		Capt. Kurdakow.

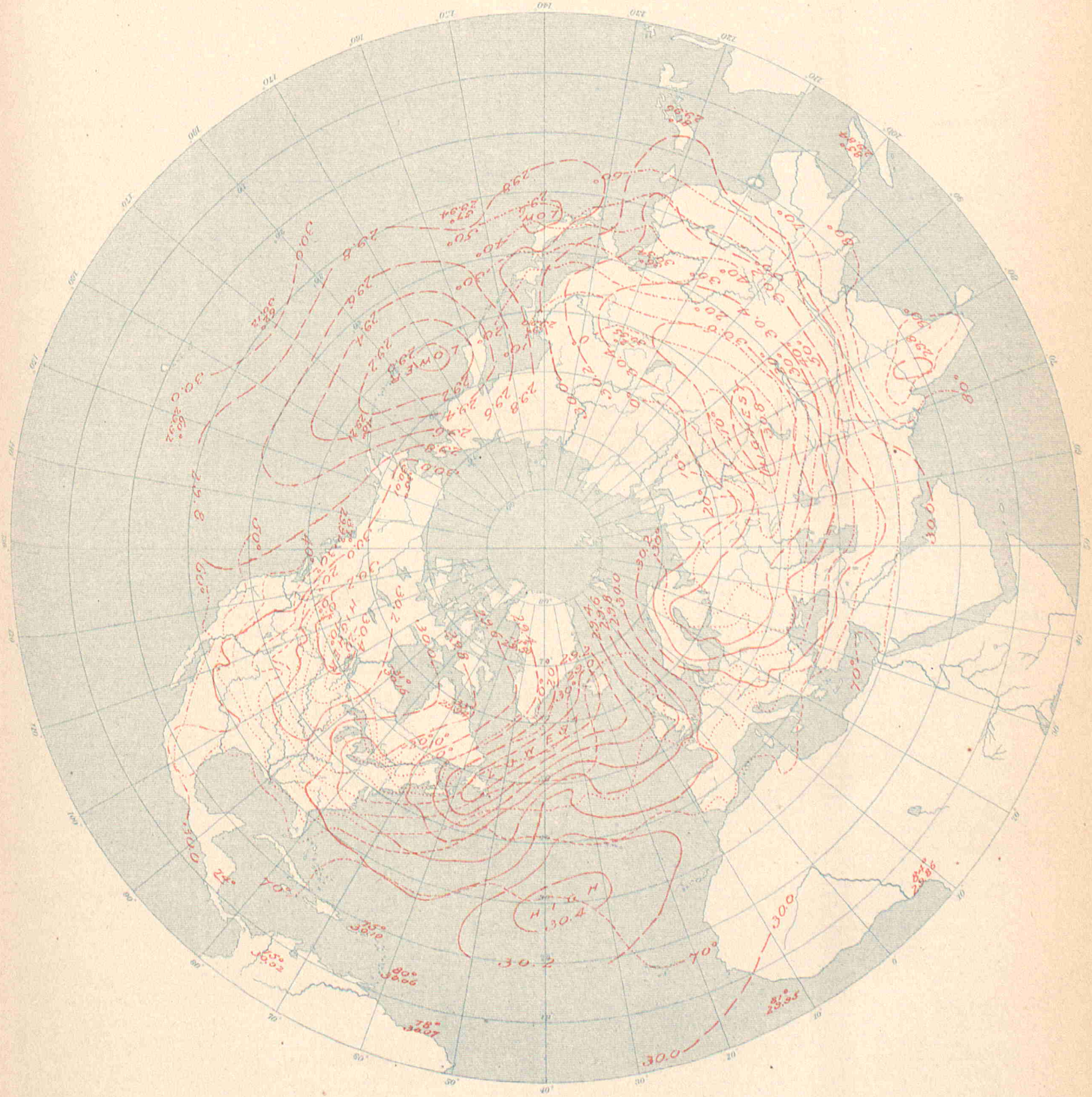
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.81	757.2	29.90	759.4	9.0	—12.8	88	w.	9	4	.....	0	8 n	.....	.....	.....	.....	light snow...	Iwanow.
Pekin, China	30.20	767.1	30.34	770.7	35.8	2.1	80	sw.	2	1	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	30.12	765.1	30.49	774.5	38.3	3.5	21	nne.	4	2	.....	.....	7 s	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.41	772.4	30.63	777.9	20.1	— 6.6	70	calm	0	0	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	30.09	764.3	30.62	777.8	29.5	— 1.4	88	ene.	13	6	.....	0	5 s	.....	.....	0	0	.....	.....
Poti	30.19	766.8	30.22	767.6	47.3	8.5	100	ssw.	4	2	.....	.....	10 n	.....	.....	.....	.....	raining	.....
St. Petersburg	30.74	780.8	30.76	781 4	17.6	— 8.0	97	wnw.	9	4	.....	.....	10 n	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.75	704 8	30.30	769.7	40.6	4.8	74	se.	13	6	.....	0	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	30.11	764 9	30.88	784.3	— 8.5	—22.5	76	calm	0	0	.....	.....	2	.....	.....	0	0	.....	Major Lasarew
Sevastopol	30.12	765.0	30.34	770.7	37.6	3.1	64	nne.	16	7	.....	0	7 n	.....	.....	0	0	.....	.....
Staroi Nykhov	30.08	764.1	30.67	779.1	32.4	0.2	55	ne.	4	2	.....	0	1 ks	.....	.....	0	0	light clouds	Carl Hagen.
Tashkend, Laboratory	28.67	728.2	30.46	773.7	27.3	— 2.6	93	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	heavy clouds	Terch, A. M.
Tiflis	28.79	731.3	30.23	767.9	50.7	10.4	49	s.	9	4	.....	0	8 ks	.....	.....	0	0	.....	Physical Observatory.
Vernoe	27.88	708.2	30 68	779.3	6.3	—14.3	77	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Lariono.
Viatka	29.89	759.2	30.58	776.8	12.9	—10.6	76	w.	9	4	.....	.....	10	.....	.....	0	0	.....	.....
Vladivostock	30.13	765.3	30.20	767.0	16.7	— 8.5	59	nne.	27	12	.....	.....	0	.....	.....	0	0	.....	.....
Warsaw	30.01	762.2	30.45	773 5	36.3	2.4	63	se.	22	10	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.02	762.6	30.35	770 8	1.4	—17.0	75	w.	9	4	.....	.....	8	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	30.03	762.7	30.57	776.5	22.2	— 5.4	71	wnw.	4.9	2.2	.....	2	0	.....	.....	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.99	761.8	30.10	764 6	57.6	14.2	66	sw.	.....	.....	.....	1	1	.....	.....	0	0	clear	B. Jelin.
Bilbao, Met. Obs'y	29.95	760.6	30.00	762.1	61.2	16.2	56	se.	1.8	0.8	.....	2	3	nw.	.....	0.051	1.3	cloudy	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.12	688.8	30.12	765.0	47.1	8.4	67	sw.	4.9	2.2	.....	.....	5	.....	.....	0.059	1.5	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.89	708.3	30.11	764.8	55.4	13.0	60	se.	4.7	2.1	.....	0	3	.....	.....	0	0	almost clear	The Staff.
Murcia, Met. Obs'y	29.95	760.8	30.08	764.0	62.1	16.7	75	e.	2.5	1.1	.....	2	2	sw.	.....	0	0	clouds	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.08	738.6	29.98	761.5	55.5	13.3	70	sw.	1.3	0.6	.....	.....	.....	.....	.....	0	0	covered	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.12	764.9	30.18	766 6	64.5	18.1	66	nne.	4.9	2.2	.....	0	1 k	.....	n.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.90	759.5	29.96	761.0	81.2	27.3	80	e.	0	0	.....	0	8 kn	.....	.....	0	0	cloudy	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.97	761.3	30.07	763.8	63.7	17.6	57	e.	15.9	7.1	.....	2	2	e.	e.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I	30.00	762 1	30.10	764.4	75.2	24.0	79	calm	0	0	.....	.....	10 kn	.....	s.	0.138	3.5	overcast	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.58	776.8	30 62	777.8	23.0	— 5.0	100	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....
Umea	30.58	776 7	30.63	778.0	27.0	— 2.8	92	w.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....
Hernosand	30.54	775 6	30.59	776 9	29.5	— 1.4	92	w.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....
Stockholm	30.45	773.4	30.93	777.9	35.6	2.0	75	ese.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....
Wisby	30.45	773.4	30.51	774.9	37.8	3.2	56	sse.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....
Sub-series.																			
Upsala	30.52	775.1	30.60	777.3	33.3	0.7	76	ese.	7.4	3.3	.....	.....	10	.....	s.	blank	blank	.....	H.H.Hildebrandsson
TURKISH.																			
Constantinople	.....	.....	30.19	766.7	48.6	9.2	82	ene.	16.8	7.5	.....	.....	10	.....	n.	0.173	4.4	.....	The Observatory.
Valona	.....	.....	30.15?	765.7?	60.4	15.8	.....	s.	.....	.....	2	.....	5	.....	.....	0.39	10.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.10	764 5	63.0	17.2	79	n.	.....	.....	2	10 c	0	sw.	.....	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.59	751.6	29.68	753.9	14	—10.0	46	n	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.06	738.1	29.76	755 9	5.3	—14.8	76	nw.	4	1.8	.....	.....	10 e	.....	.....	0.02	0.5	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.97	634 2	29.99	761.7	41.8	5.4	66	e.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	27.33	694.2	30.34	770.6	5.4	—14.8	100	e.	20	8.9	.....	.....	10 n	.....	.....	0.04	1.0	light snow	J.J.O'Connor.
Atlanta, Georgia	28.76	730.5	29.97	761 2	37.0	2.8	51	w.	16	7.2	.....	0	sk.	.....	.....	Inap.	Inap.	clear	S. W. Beall.
Atlantic City, New Jersey	29.62	752.3	29.83	752.6	22.0	— 5.6	87	nw.	1	0.4	.....	.....	10 n	.....	.....	0.09	2.3	light snow	B.A.Blundon.
Augusta, Georgia	29.75	755.6	29.95	760.7	42	5.6	50	sw.	4	1.8	.....	0	sk.	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	29.61	752.1	29.66	753.4	29.0	— 1.7	94	n.	2	0.9	.....	.....	10s;fg	.....	.....	0.10	2.5	cloudy	Geo W. Felger.
Barnegat City, New Jersey	29.62	752 3	29.64	752.8	23.0	— 5.0	80	nw.	7	3.1	.....	.....	10 n	.....	.....	0.04	1.0	light snow	J.P.Sherry.
Bennett, Fort, Dakota	28.71	729 2	30.41	772.4	— 1.0	—18.3	83	ne.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	A. Pruchard.
Benton, Fort, Montana	27.13	589 1	30.11	764.8	17.0	— 8.3	81	n.	5	2.2	.....	.....	10 n	.....	.....	.....	.....	light snow	O.S.Bennett.
Bismarck, Dakota	28 43	722.1	30.35	770.9	—10.6	—23.7	82	nw.	6	2.7	.....	0	4 s	.....	nw.	0.01	0.3	fair	B. O. Lenoir.
Block Island, Rhode Island	29.62	752.3	29.65	753.1	24.0	— 4.4	76	calm	0	0	.....	0	9 s	.....	.....	0	0	cloudy	J. T. Elker.
Boise City, Idaho	27.12	688.8	30.04	763.0	34.0	1.1	83	calm	0	0	.....	0	0	.....	.....	0	0	clear	James Kenealy.
Boston, Massachusetts	29.47	748.5	29.63	752.6	11.5	—11.4	61	n.	5	2.2	.....	10 ck	0	ne.	.....	0	0	cloudy	O. B. Cole.
Brownsville, Texas	29.97	761.2	30.03	762.7	61.0	16.1	93	se.	6	2.7	.....	.....	10 s	.....	se.	0	0	cloudy	John McGlone.
Buffalo, New York	28.86	733.0	29.65	753.1	11.2	—11.6	91	sw.	4	1.8	.....	.....	1c s	.....	sw.	0.01	0.3	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.23	717.0	30.39	771 9	— 3.5	—19.7	68	n.	6	2.7	.....	7 c	0	.....	.....	0	0	fair	A. Schneider.
Cairo, Illinois	29.78	756.4	30.20	767.1	22.0	— 5.6	66	n.	12	5.4	.....	3 ck	0	w.	.....	0.01	0.3	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.64	752.8	29.84	757.9	39.6	4.2	92	s.	4	1.8	.....	0	fg.	.....	.....	Inap	Inap.	clear	J.H.Young.
Cape Henry, Virginia	29.68	753.9	29.70	754.4	31.0	— 0.6	78	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	29.61	752.1	29.64	752.8	27.5	— 2.5	88	n.	10	4.5	.....	.....	10 n	.....	.....	0.50	12.7	heavy snow	W.E.Smith.
Cape Mendocino, California	29.16	740.7	29.86	758.4	46	7.8	100	e.	.....	.....	1	.....	fg.	.....	.....	0	0	dense fog	A. P. Leavitt.
Cedar Keys, Florida	30.14	765.5	30.16	766.1	52.0	11.1	83	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.87	758.7	29.93	760.2	43.0	6.1	68	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	28.95	735.3	29.83	757.7	32.7	0.4	81	nw.	5	2.2	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.18	741.2	30.03	762.7	32.5	0.3	60	nw.	16	7.2	.....	0	3 ks	.....	nw.	Inap.	Inap.	clear	B. L. Goulding.
Cheyenne, Wyoming	23.86	606 0	30.06	763.5	32.2	0.1	57	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.21	741.9	29.95	760.7	9.1	—12.7	74	w.	10	4.5	.....	0	0	.....	.....	0.03	0.8	clear	Wm. Norrington.
Chincoteague, Virginia	29.63	752.6	29.65	753.1	29.3	— 1.5	85	nw.	5	2.2	.....	0	hz.	.....	.....	0.04	1.0	clear	C. F. Dickens
Cincinnati, Ohio	29.26	743.2	29.95	760 7	15.2	— 9.3	83	nw.	12	5.4	.....	3 cs	0	nw.	.....	0.06	1.5	clear	L. Dunne.
Cleveland, Ohio	28 87	733.3	29.65	753.1	10.0	— 8.9	100	w.	19	8.5	.....	.....	10 n	.....	w.	0.04	1.0	heavy snow	W. Line.
Columbus, Ohio	28.92	734.6	29.81	757.2	12.5	—10.8	80	sw.	24	10.7	.....	0	7 s	.....	nw.	0.05	1.3	fair	F.T. Williams
Concho, Fort, Texas	28.04	712.2	30.00	762.0	53.3	11.8	61	s.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	C. E. King.
Custer, Fort, Montana	26.88	682.7	30.22	767.6	16	— 8.9	100	ne.	6	2.7	.....	.....	10 n	.....	.....	Inap.	Inap.	light snow	W.J.Daily.
Davenport, Iowa	29.44	747 8	30.13	765.3	0.0	—17.8	68	nw.	16	7.2	.....	5 cs	0	nw.	.....	0.14	3.6	fair	R. R. Martin.
Davis, Fort, Texas	24.95	633.7	29.82	757.4	39.0	3.9	66	calm	0	0	.....	0	6 s	.....	.....	0	0	fair	J. Williams.
Dayton, Washington Ter'y	28.16	715.3	29.98	761.5	29.0	— 1.7	100	ne.	2	0.9	.....	.....	fg.	.....	.....	0	0	dense fog	T. Gibson.
Deadwood, Dakota	25.34	643 6	30.18	766.6	8.0	—13.3	87	ne.	1	0.4	.....	.....	10 n	.....	.....	0.35	8.9	light snow	G.W.Scott.
Delaware Breakwater, Del.	29.63	752 6	29.65	753.1	24.9	— 3.9	100	nw.	1	0.4	.....	.....	10 n	.....	.....	0.25	6.3	heavy snow	G.A.Martin.
Denver, Colorado	24.60	624 8	30.04	763.0	32.2	0.1	63	s.	2	0.9	.....	0	0	.....	.....	Inap.	Inap.	clear	F. M. Neal.
Des Moines, Iowa	29.32	744.7	30.28	769.1	— 2	—18.9	65	n.	12	5.4	.....	0	0	.....	.....	0	0	clear	F. W. Conrad.
Detroit, Michigan	28.92	734.6	29.68	753.9	15.0	— 8.9	83	w.	10	4.5	.....	.....	10 s	.....	.....	0.09	2.3	cloudy	N.B.Conger.
Dodge City, Kansas	27.50	698.5	30.23	767.8	18	— 7.8	70	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	J.E.Lamouette.
Dubuque, Iowa	29.39	746.5	30.14	765.5	0	—17.8	56	w.	5	2.2	.....	0	3 s	.....	.....	0.18	4.6	clear	J. Harvey Smith
Duluth, Minnesota	29.35	745.5	30.14	765.5	— 1.6	—18.7	75	w.	2	0.9	.....	0	0	.....	.....	0.19	4.8	clear	E.R.Brace.
Eastport, Maine	29.46	748.3	29.53	750.0	5.0	—15.0	76	nw.	14	6.3	.....	0	0	.....	.....	0	0	clear	D. C. Murphy.
Elliott, Fort, Texas	27.22	691.4	30.04	763.0	29	— 1.7	84	ne.	14	6.3	.....	5 cs	1 s	sw.	.....	0	0	fair	J. C. Rickli.
El Paso, Texas	26.23	666.2	30.03	762.7	50.0	10.0	54	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	28.84	732.5	29.61	752.1	16.0	— 8.9	83	e.	4	1.8	.....	.....	10 n	.....	.....	0.05	1.3	light snow	P. Wood.
Escanaba, Michigan	29.20	741.7	29.91	759.7	2.5	—16.4	85	nw.	13	5.8	.....	6 cs	0	nw.	.....	0.06	1.5	fair	L.M.Pindell.
Fort Smith, Arkansas	29.64	752.8	30.13	765.3	35.0	1.7	44	n.	8	3.6	.....	3 cs	0	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.04	763.0	30.08	764.0	59.7	15.4	85	s.	7	3.1	.....	0	9 s	.....	.....	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.14	740.1	29.84	757.9	12.0	—11.1	80	nw.	13	5.8	.....	.....	10 s	.....	w.	0.14	3.6	cloudy	Joseph E. Mueller
Grant, Fort, Arizona	25.22	640.6	30.04	763.0	46.2	7.9	67	e.	4	1.8	.....	0	8 s	.....	ne.	0	0	cloudy	Chas. A. Read.
Hatteras, North Carolina	29.77	756.1	29.78	756.4	39.0	3.9	65	w.	28	12.5	.....	hz	3k	.....	w.	0	0	clear	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.77	654.5	30.09	764.3	28.5	— 1.9	79	nw.	3	1.3	.....	.....	10 s	....	.....	0	0	cloudy.....	S. W. Morrison.
Huron, Dakota	28.97	734.0	30.38	771.6	—10.8	—23.8	90	nw.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear.....	S. W. Glenn.
Indianapolis, Indiana	29.21	741.9	30.05	763.3	8.3	—13.2	76	nw.	11	4.9	.....	0	0	.....	.....	0.10	2.5	clear.....	C. F. R. Wappenhans.
Indianola, Texas	30.01	762.2	30.04	763.0	58.1	14.5	92	se.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy.	I. A. Reed.
Jacksonville Florida	30.06	763 5	30.11	764.8	48.5	9.2	73	sw.	8	3.6	.....	3 cs	hz.	sw.	.....	0	0	clear.....	J. W. Smith.
Keokuk, Iowa	29.51	749.5	30.20	767.1	8.3	—13.2	69	nw.	8	3.6	.....	0	0	.....	.....	inap.	inap.	clear.....	F. Z. Gosewisch.
Key West, Florida	30.17	766.3	30.19	766.8	62	16.7	64	n.	12	5.4	.....	0	0	.....	.....	0	0	clear.....	J. J. Lackey.
Kittyhawk, North Carolina	29.73	755.1	29.75	755.6	31.6	1.4	73	w.	20	8.9	.....	0	0	.....	.....	0	0	clear.....	Wesley Blake.
Knoxville, Tennessee	28.90	734.0	29.96	761.0	27.5	— 2.5	59	w	19	8.5	.....	0	8 s	.....	nw.	0.07	1.8	cloudy.....	J. A. Cody.
La Crosse, Wisconsin	29.31	744.5	30.13	765.3	— 1	—18.3	68	nw.	6	2.7	.....	0	7 s	.....	w.	0.04	1.0	fair	S. C. Emery.
Leavenworth, Kansas	29.38	746.2	30.32	770.1	12	—11.1	50	n.	10	4.5	.....	10 k	0	nw.	....	inap.	inap.	cloudy.....	C. Dill.
Lewiston, Idaho	29.08	738 6	29.94	760.5	34.0	1.1	78	calm	0	0	.....	0	0	.. ..	....	0	0	clear.....	C. E. Butler.
Little Rock, Arkansas	29.80	756.9	30.13	765.3	30.0	3.9	54	n.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	W. U. Simons.
Los Angeles, California	29.46	748.3	29 86	758.4	57.0	13.9	83	se.	7	3.1	.....	.....	10 s	.....	.....	inap.	inap.	clear.....	T. S. Collins
Louisville, Kentucky	29.44	747.8	30.03	762.7	15.5	— 9.2	75	w	14	6 3	.....	0	0	.....	.....	0.04	1.0	clear.....	E. B. Garriott.
Lynchburg, Virginia	28.99	736.3	29.71	754.6	29.0	— 1.7	50	w.	7	3.1	.....	4 k	0	w.	....	0	0	fair.....	Jno. Healy.
Mackinaw City, Michigan	29.12	739.6	29.82	757.4	1.0	—17.2	73	w.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy.....	D. B. Notson.
Macon, Fort, North Carolina	29.83	757.7	29.84	757.9	37.8	3.2	57	nw.	24	10.7	.....	0	hz.	.....	.....	0	0	clear.....	William Daly.
Maginnis, Fort, Montana	25.54	648.7	30.14	765.5	4.8	—15.1	54	ne.	2	0.9	.....	.....	10 n	.....	.....	0.01	0.3	light snow...	F. Burke.
Marquette, Michigan	29.20	741.7	29.97	761.2	3.0	—16.1	69	n.	10	4.5	.....	.....	10 s	.. ..	n.	0.05	1.3	cloudy.....	J. Gilligan.
Memphis, Tennessee	29.75	755.0	30.10	764.5	36.5	2.5	52	n.	16	7 2	.....	0	0	.....	.....	0	0	clear.....	D. T. Flannery
Milwaukee, Wisconsin	29.16	740.7	29.95	760.7	4.6	—15.2	77	nw.	12	5.4	.....	5 cs	0	nw.	.....	0.03	0.8	fair.....	S. W. Rhode.
Mobile, Alabama	30.08	764.0	30.12	765.0	44.8	7.1	64	w.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	H. U. Jones.
Montgomery, Alabama	29.85	758.2	30.09	764.3	40	4.4	73	sw.	2	0.9	.....	3 cs	fg.	w.	.....	0	0	clear.....	S. M. Leitsell.
Moorhead, Minnesota	29.26	743.2	30.34	770.6	—23	—30.6	100	nw.	9	4.0	.....	0	0	.....	.....	0.22	5.6	clear.....	H. Bessant.
Mt. Washington, N. H	22.98	583.7	29.50	749.3	— 4.8	—20.4	63	nw.	18	8.0	.....	0	fg.	.....	nw.	0	0	clear	J. H. Melton.
Nashville, Tennessee	29.50	749.3	30.10	764.5	25.2	— 3.8	72	nw.	16	7.2	.....	0	0	.....	.....	inap.	inap.	clear.....	L. N. Jesunofsky.
New Haven, Connecticut	29.52	749.8	29.64	752 8	15	— 9.4	80	n.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy.....	J. H. Sherman.
New London, Connecticut	29.62	752.3	29.67	753.6	18.0	— 7.8	74	ne.	1	0.4	.....	.....	10 s	.....	e	0	0	threatening.	J. G. Lynch.
New Orleans, Louisiana	30.07	763.8	30.13	765.3	49.0	9.4	75	calm	0	0	.....	7 cs	fg.	w.	.....	0	0	fair.....	M. Herman.
New York, New York	29.46	748.3	29.64	752.8	19.2	— 7.1	84	calm	0	0	.....	.....	10s;fg	.....	.....	0.03	0.8	cloudy	W. Finn.
Norfolk, Virginia	29 66	753.4	29.69	754.1	33.5	0.8	65	w.	4	1.8	.....	0	0	.....	.....	inap.	inap	clear.....	Wm. Davis.
North Platte, Nebraska	27.16	689.9	30.22	767.6	19.6	— 6.9	82	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	E. F. Brady.
Olympia, Washington Ter	29.77	756.1	29.81	757.2	32.3	0.2	85	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	J. Dascomb
Omaha, Nebraska	29.13	739.9	30.38	771.6	1.2	—17.1	68	n.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear.....	A. Pollak
Oswego, New York	29.31	744.5	29.65	753.1	14.5	— 9.7	56	se.	3	1.3	.....	10 cs	hz.	w.	.....	inap.	inap.	cloudy.....	J. G. Linsley.
Palestine, Texas	29.48	748.8	30.05	763.3	55.2	12.9	79	s.	11	4.9	.....	.....	10 s	.....	sw.	0	0	cloudy.....	P. T. Jenkins.
Pensacola, Florida	30.10	764.5	30.13	765.3	40.7	8.2	69	w.	6	2.7	.....	0	hz.	.....	.....	0	0	clear.....	M. McGauran.
Philadelphia, Pa	29.55	750.6	29.65	753.1	25.0	— 3.9	73	w.	2	0.9	.....	.....	10 s	.....	.....	0.11	2.8	cloudy.....	T. F. Townsend.
Pike's Peak, Colorado	17.63	447.8	30.22	767.6	8.0	—13.3	58	nw.	44	19.7	.. ..	0	0	....	....	0	0	clear.....	H. Hull.
Pittsburg, Pennsylvania	28 80	731.5	29.66	753.4	19.5	— 6.9	91	w	14	6.3	.....	.....	10 n	.....	w.	0.03	0.8	light snow..	O. D. Stewart
Port Huron, Michigan	28.97	735.8	29.69	754.1	10.0	—12.2	87	ne.	11	4.9	.....	.....	10 s	.....	.....	0.02	0.5	cloudy.....	M. H. Perry
Portland, Maine	29.59	751.6	29.64	752.8	9.0	—12.8	76	n.	2	0.9	.....	0	sk.	.....	.....	0	0	clear.....	W. W. Eichelberger.
Portland, Oregon	29.77	756.1	29.84	757.9	38.0	3.3	86	calm	0	0	.....	0	0	....	....	0	0	clear.....	M. L. Hearn.
Prescott, Arizona	24.74	628.4	30.08	764.0	42.0	5.6	72	sw.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	N. D. Lane.
Provincetown, Mass	29.60	751.8	29.63	752.6	21.7	— 5.7	68	nw.	2	0.9	.....	4 cs	0	.....	.....	inap.	inap.	fair	C. N. Kitchel.
Red Bluff, California	29.52	749.8	29.90	759.4	46	7.8	74	nw.	6	2.7	.....	2 c	0	nw	.....	0	0	clear.....	J. R. Williams.
Rio Grande City, Texas	29.81	757.2	30.05	763.3	60.4	15.8	70	se.	3	1.3	.....	0	8 ks	.....	e.	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	28.94	735.1	29.64	752.8	13	—10.6	89	s	4	1.8	.....	.....	10s;sk	.....	.....	inap.	inap.	threatening.	E. W. McGann.
Roseburg, Oregon	29.28	743.7	29.84	757.9	37.7	3.2	84	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	J. J. Nanry.
Sacramento, California	29.79	756.7	29.86	758.4	53.5	11.9	73	s.	8	3.6	.....	0	6 s	.....	.....	0	0	fair.....	J. A. Barwick.
St. Louis, Missouri	29.55	750.6	30.20	767.1	10.5	—11.9	66	nw.	19	8.5	.....	hz.	0	.....	.....	0.01	0.3	clear...	J. H. Weber.
St. Michael, Fort, Alaska	29.97	761.2	30.01	762.2	34.5	1.4	100	e.	16	7.2	.....	.....	10 n	.....	.....	0.16	4.1	light rain....	Fred. H. Clarke
St. Paul, Minnesota	29.28	743.7	30.20	767.1	— 6.0	—21.1	79	nw.	12	5.4	.. ..	0	0	....	.....	0.05	1.3	clear.....	P. F Lyons.
St. Vincent, Minnesota	29.38	746.2	30.32	770.1	—23	—30 6	85	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	C. B Dilley.
Salt Lake City, Utah	25.58	649.7	30.10	764.5	33.5	0.8	61	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear.....	J. Craig.
San Diego, California	29.76	755.9	29.83	757.7	57.8	14.3	71	ne.	6	2.7	.....	.....	10 n	.....	s.	0.01	0.3	light rain....	F. R. Day.
Sandusky, Ohio	28.98	736.1	29.70	754.4	14.5	— 9.7	73	w.	22	9.8	.....	0	5 ks	.....	w.	0.03	0.8	fair.....	B. F. Hough.
Sandy Hook, New Jersey	29.13	739.9	29.66	753.4	19.2	— 7.1	84	nw.	6	2.7	.....	.....	10 ks	.....	.....	0.03	0.8	cloudy	Y. P. Chappel.
Sanford, Florida	30.12	765.0	30.17	766.3	48.5	9.2	77	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	J. B. Marbury
San Francisco, California	29.78	756.4	29.85	758.2	50.5	13.6	73	nw.	4	1.8	.....	0	4 s	.....	se.	0	0	fair.....	N. Gorom
Savannah, Georgia	29.90	759.4	29.99	761.7	41	5.0	54	sw.	8	3.6	.....	0	fg.	....	.....	0	0	clear.....	H. W. Ford.
Shaw, Fort, Montana	26.43	671.3	30.23	767.8	13	—10.6	83	ne.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	A. L. Mathews
Shreveport, Louisiana	29.84	757.9	30.01	762.2	46.2	7.9	73	e	1	0.4	.....	hz.	6 s	.....	.....	0	0	fair.....	E. N. Meekins.
Sitka, Alaska	29.85	758.2	29.92	760.0	36.6	2.6	87	calm	0	0	.....	.....	8 ks	.....	.....	0.14	3.6	cloudy.....	F. W. Pickett.
Smithville North Carolina	29.81	757.2	29.85	758 2	44.3	6.8	48	w	23	10.3	.....	5 ck	0	w.	.....	0	0	fair.....	O Parker.
Spokane Falls, Wash. Ter.	27.84	707.1	29.97	761.2	28.3	— 2.1	100	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog....	D. Moore.
Springfield, Illinois	29.43	747.5	30.15	765.8	7.6	—13.6	75	nw.	14	6.3	.....	0	0	.....	.....	0.15	3.8	clear.....	T. B. Jennings.
Stockton, Fort, Texas	26 93	684.0	30.01	762.2	55.0	12.8	53	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy.....	J. W. Byram.
Tatoosh Id., Wash. Ter	29.71	754.6	29.81	757.2	39.6	4.2	99	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear.....	R. Connor.
Thomas, Camp, Arizona	27.27	692.6	30.05	763.3	47.2	8.4	61	calm	.....	.....	0	.....	10 s	.....	.....	0	0	cloudy.....	R. C. Lord.
Toledo, Ohio	28.90	735.6	29.69	754.1	16.5	— 8.6	88	w.	16	7.2	.....	4 cs	6 s	w.	nw.	0.02	0.5	threatening.	A. Buell.
Unalashka, Alaska	29.19	741.4	29.21	741.9	40	4.4	89	se.	16	7.2	.....	.....	8 s	.....	se.	3.16	80.3	threatening.	Samuel Applegate
Vicksburg, Mississippi	29.85	758.2	30.11	764.8	48	8.9	63	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	F. W. Mixer.
Washington, D. C	29.55	750.6	29.67	753.6	24.3	— 4.3	96	ne.	1	0.4	.....	0	6 ks	.....	nw.	0.13	3.3	fair.....	T. B. Harrison.
West Las Animas, Colorado	25.96	659.4	30.03	762.7	26	— 3.3	88	e	11	4.9	.....	.....	10 s	.....	.....	0	0	cloudy.....	F. H. Brandenburg
Wilmington, N Carolina	29.79	756.7	29.85	758.2	38.0	3.3	62	w.	8	3.6	.....	7ck;cs	2 s	sw.	.....	0	0	cloudy.....	L. H. Albrecht.
Yankton, Dakota	29.01	736.8	30.40	772.1	— 4.6	—20.3	71	n.	12	5.4	.....	7 c	0	n	.....	inap.	inap.	fair.....	E. H. Thompson.
Yuma, Arizona	29.80	756 9	29.95	760.7	59.5	15.3	66	e.	1	0.4	.....	.....	10 s	.....	s.	0.01	0.3	cloudy.....	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	28.97	735.8	28.99	736.3	32.7	0.4	95	n.	11	4.9	.....	.....	10 n	....	.....	.....	.....	light snow..	George Cherwick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	72	22.2	.....	nw.	.....	.....	1	0	2 k	.....	ne.	0	0	fair.....	W. H. Jackson.
Bogota, U. S. C	21.67	550.4	.....	.....	57.2	14.0	90	calm	0	0	.....	.....	9 pk	.....	.....	0.350	8.9	....	Joaquin Gomez.
Chimo, Fort, Ungava	29.78	756.4	29.94	760.5	—33	—36.1	100	calm	0	0	.....	8 c	0	s.	.....	0	0	cloudy.....	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.09	764.3	68.5	20.3	89	n.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	Robert Johnstone.
Paramaribo, S. A	30.07	763.8	30.07	763.8	78	25.6	86	e.	.....	.....	2	3 c	5 k	e.	.....	0	0	fair.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.46	748.3	30.02	762.5	75	23.9	94	n.	.....	.....	1	.....	9 ks	.....	n.	0.11	2.8	cloudy.....	Francisco J. Olsner s
Rivas, Nicaragua, C. A	.....	.....	.....	.....	74	23.3	88	ne.	.....	.....	4	.....	.....	.....	.....	0	0	clear.....	Earl Flint.
York Factory, B. A	30.08	764.0	30.16	766.1	—31.0	—35.0	.....	nw.	7	3.1	.....	3 k	3 s	nw.	nw.	0	0	cloudy.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.97	761.1	29.97	761.3	78.1	25.6	85	n.	5.1	2.3	.....	.....	4 k	.....	n.	0	0	fair.....	P. Fasiani.
Naós, Bay of Panama	29.98	761.6	30.05	763.3	71.6	22.0	98	n.	.....	.....	3	.....	1 k	.....	n.	0	0	clear.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.																		
S. S. Alvo, N. 27° 10′, W. 74° 20′ *†	30.02	762.5	68	20.0		wnw.			5		9	nw.		0	0	long	nw.	overcast.
S. S. Alpin, Arroyo, Porto Rico, W. I *†	30.10	764.5	82	27.8		e.			2		1		e.	0	0	mod.	e.	fine.
S. S. Adriatic, N. 40° 56′, W. 60° 53′ †	29.45	748.0				w			6				w.			high	w.	stormy.
S. S. Antonio Lopez, N. 30° 33′, W. 22° 05′	30.33	770.4	66.5	19.2	76	n.			4		6			0	0		n.	fair.
S. S. America, N. 38° —′, W. 67° —′*	29.65	753.1	41	5.0	100	calm			0		7		n.	0	0	high	ne.	fair.
S. S. Athos, N. 20° 56′, W. 74° 00′						se.			2		0			0	0	sm'h		hazy.
S. S. Belgenland, N. 39° 49′, W. 51° 31′			59	15.0	94	wnw.			6				wnw.			h'vy	wnw.	overcast.
S. S. Britannic, N. 50° 54′, W. 24° 00′			45	7.2		w.			6		7		nw.	4 h'r	4 h'r	long	w.	rain & hail.
S. S. City of Augusta, N. 34° 09′, W. 76° 54′ †	29.82	757.4				wsw.			9		8?		wsw.	0	0	h'vy	se.	clear.?
S. S. Caracas, N. 25° 46′, W. 67° 40′ *†	30.10	764.5	74	23.3	70	w.			5		2		wnw.	0	0	mod.	wnw.	clear.
S. Dora, N. 41° 04′, W. 52° 21′ *†	29.70	754.4	62.6	17.0		ssw.			6		10		ssw.	12 h'r	12 h'r	mod.	ssw.	heavy rain.
S. S Donau, N. 49° 51′, W. 3° 58′	29.70	754.4				sw.			6		10		sw.	6 h'r	6 h'r	cross	sw.	raining.
S. S. Devonia, N. 53° 13′, W. 21° 40′ †	29.48	748 8	42	5.6		wsw.			4		5		w.	3 h'r	3 h'r	h'vy	w	fair.
Bk. Fred. W Carlon, Alacrane shoals, Yucatan†	30.17	766.3				e.			4		0			0	0	mod	ne.	fair.
S. S. Gallia, N. 50° 49′, W. 15° 12′	29.56	750.8	52	11.1		w.			5		8		w.	0	0	high	w.	clear.
S. S. Gellert, N. 48° 28′, W. 26° 55′	29.69	754.1	42.0	5.6	96	w.			5		2		w.			r'gh	w.	h'vy squalls
Bk. Godeffroy, N. 24° 26′, W. 61° 53′	30.05	763.3	75.2	24.0	91	ssw.			5		7 k		ssw.	5 h'r	5 h'r	mod.	var.	fair.
Bk. Idaho, N. 36° 44′, W. 74° 20′ *†	29.68	753.9				w.			5		10		w.	1 h'r	1 h'r	mod.	w.	cloudy.
Bg. L. F. Munson, Matanzas, Cuba, W. I *†	30.18	766.6	68,	20.0		n.			3		1		n.	0	0			clear.
Bg. Lillian, N 17° 50′, W. 63° 15′ †	30.10	764.5	80	26.7		se.			4		3		se.	0	0	mod.		fair.
S. S. Main, N. 46° 27′, W. 39° 28′	30.06	763.5	42.8	6.0		wsw.			4		3		sw.	3 h'r	3 h'r	long	wsw.	fair.
S. S. Nurnberg, N. 49° 36′, W. 22° 18′	29.62	752.3	42.8	6.0		nw			3-6		10		nw.	7 h'r	7 h'r	r'gh	w.	misty.
S. S. New York, N. 27° 10′, W. 86° 45′ *†	30.14	765.5	68	20.0		se.			2		2		se.			sm'h		clear.
S. S. Nessmore. N. 46° 53′, W. 30° 27′			52	11.1	100	sw.			6		5?		sw.	6 h'r	6 h'r	cross	w.	overcast.?
Schr. Norena. Arroyo, Porto Rico, W. I †	30.10	764 5				e.			2		5		ene.	3 h'r	3 h'r	mod	ese.	showery.
S. S. Orinoco, New York, N. Y			24?	—4.4?		wnw.			2		7			0	0			hazy.
Bk. Orpheus, N. 45° 13′, W. 37° 26′ *	30.08	764.0	52	11.1		calm			0		3 ks		s.	0	c	mod.	wnw.	fair.
S. S. Pavonia, N. 41° 50′. W. 55° 30′	29.30	744.2	54	12.2	80	wsw.			7		6		w.	9 h'r	9 h'r	r'gh	wsw.	showery.
S. S. Pennsylvania, Philadelphia, Pa †	29.66	753.4	18	— 7.8	68	sw.			3		3		sw.	6 h'r	6 h'r			light snow.
Bg. Rising Sun, N. 21° 55′, W. 67° 36′ *†	30.10	764.5	79	26.1		n.			3		9		n.	light	light	sm'h		cloudy.
S. S. State of Georgia, N. 42° 11′ W. 50° 21′ †	29.65	753.1	45	7.2		se.			6		10			h'vy	h'vy	sharp	se.	dense fog.
S. S. Salerno, N. 50° 29′, W. 1° 15 †	29.90	759.4	43	6.1		s.			6		10		s.	0	0	r'gh	s.	raining.
S. S Salier, N. 40° 40′, W. 65° 46′	29.64	752.8				nw.			5		8		nw.	4 h'r	4 h'r	mod.	nne.	cloudy.
S. S Switzerland, N. 47° 10′, W. 25° 07′ *†	29.78	756.4				w.			3		5		wnw.	11 h'r	11 h'r	mod	wnw.	fair.
S. S. David. N 43° 16′, W. 33° 14′			56	13.3	71	nnw.			4		3		nnw.	6 h'r	6 h'r	h'vy	nw.	fine.
S. S. The Queen N. 48° 03′, W. 34° 20′	30.01	762.2	43	6.1		wnw.			7		5		nw.	12 h'r	12 h'r	h'vy	wsw.	squally.
Bk. Tuck Sing, N. 28° 06′, W. 67° 41′ *†	30.00	762.0				w.			4		2		w.	1 h'r	1 h'r	long	wnw.	fine.
S. S. Venetian, N. 42° 09′, W. 54° 35′ *	29.25	742 9	56	13.3		ssw.			8		8		ssw.	6 h'r	6 h'r	r'gh	cross	gloomy.
S. S. Valencia, N. 29° 37′. W. 70° 57′ †	29.99	761.7	67	19.4	74	wnw.			7		7		nw.	0	0	h'vy	wnw.	fair.
S. S. Westernland, Antwerp, Belgium	30.06	763.5	44	6.7	76	s.			7		8		sw.	0	0			dull.
S. S. W. A. Scholten, N. 49° 17′, W. 6° 44′	29.72	754.9	49.6	9.8	66	nnw.			6		9		n.	12 h'r	12 h'r	4	n.	squally.
S. S. Weser, N. 42° 57′, W. 49° 56′			44.6	7.0		sse.			5					0	0	long	sse.	foggy.
S. S. Australia, N. 40° 52′, W. 29° 39′ †	30.08	764.0	55	12.8		n			4-5		10		nnw.	3 h'r	3 h'r	h'vy	nw.	squally.
S. S. Cienfuegos, Nassau, Bahamas	30.13	765.3	67	19.4		nw.			3		0			0	0	small	nw.	clear.
S. S. Frisia, N. 48° 53′, W. 16° 33′	29.64	752 8	52.2	11.2		wsw.			3		10		w.	8 h'r	8 h'r	long	w.	covered.
S. S. Texas, N. 48° 16′, W. 27° 47′			49	9.4	78	w.			6		7		w.			high	nw.	fair.
Bk. George Davis, N. 48° 47′, W. 8° 23′ *†	29.71	754.6				wsw.			1					6 h'r	6 h'r	light	wsw.	covered.
S. S. Anchoria, N. 41° 37′, W. 61° 31′						w.			5		7		w.	3 h'r	3 h'r	h'vy	w	fair.
Schr. Adda Doane, N. 28° 38′, W. 72° 33′ †	30.06	763.5				wnw.			6		3		wnw.	0	0	long	nw.	clear.
S. S. Chalmette, N. 33 21′, W. 76° 57′ *†	29.91	759.7	55	12.8		w.			6		4		w.	0	0	r'gh	w.	clear
S. S. Erin, N. 43° 14′, W. 44° 10′			52	11.1		ese.			5		7		sse.	0	0	sli't	s.	fair.
S. S. Grecian, Portland, Me	29.69	754.1	25?	—3.9?		nw.			2		0			0	0			clear.
Schr. Jas. Slater, N. 29° 08′, W. 48° 51′			72	22.2		ssw.			5		0			0	0	h'vy	ssw.	hazy.
S. S. St. Laurent, N. 49° 42′, W. 15° 02′	29.56	750.8	52.7	11.5		w.			4		10		w.	light	light	r'gh	w.	covered.
Schr. Viola Reppard, Portland, Me						n.			1		5		n.	0	0			
Bk Western Chief, N. 40° 28′, W. 46° 27′ *†	29.76	755.9				sse.			6		10					5	s.	foggy.
U. S. Navy Yard, Portsmouth, N. H *	29.59	751.6	6	—14.4	76	nnw.	3	1.3			10		nw.	0	0			misty.
U. S. S. Galena Port Royal, S. C*	29.94	760.5	45	7.2	68	sw.			3		0					sm'h		clear.
U. S. S. New Hampshire, Newport, R. I	29.64	752.8	24	— 4.4		calm			0		10					sm'h		cloudy.
U. S. S. Powhatan, Port Royal, S.C	29.97	761.2	41	5.0	74	sw.			3		2							hazy.
U. S. S Quinnebaug, Leghorn, Italy	29.99	761.7	59	15.0	82	ene.			2		2		ne.			sm'h		clear.
U. S. S Saratoga, New York, N. Y	29.67	753.6	22	— 5.6	100	wsw.			1		10		w.	snow	snow			overcast.
U. S. S. Tennessee, New Orleans, La	30.13	765.3	46	7.8	92	sw.	3	1.3			2		w.	0	0			clear.
U. S. S Yantic, Port Royal, S.C	30.00	762.0	43	6.1	75	wsw.			2		0					sm'h		hazy.
H. M. S. Alexandra, N. 35° 10′, E. 33° 57′	30.12	765 0	71	21.7	66	se.			1		0							blue sky.
H. M. S. Alecto, N. 4° 30′, E. 7° 09′	29.86	758.4	84	28.9		ese.			1		5		nne.					1. clouds
H. M. S. Boadicea, N. 4° 13′, E. 7° 17′	29.86	758.4	82	27.8	96	sse.			1		9		sse.					d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.83	757.7	62	16.7	86	ssw			6		6		wsw.					squally.
H. M. S. Himalaya, N. 38° 50′, W. 44° 40′			65	18.3	100	s.			5		9					5	wsw.	d. clouds.
H. M. S. Minotaur, N. 36° 36′, E. 20° 40′	30.10	764.5	63.5	17.5	78	wsw.			1		3		wsw.			1	sse.	d. clouds.
H. M. S. Myrmidon, N. 36° 35′, E. 2° 12′			57	13.9	94	ne.			2		8					3	ene.	d. clouds.
H. P. M. S. Bengo, N. 2° 28′, W. 13° 39′	29.95	760.7	80.6	27.0	86	wnw.			2		10		nw.	12 mi	nutes			overcast.
S. S. British Prince, N. 46° 24′, W. 33° 53′ †	29.98	761.5	47	8.3	70	w.			2		8		w.	18 h'r	18 h'r	h'vy	wnw.	cloudy.
S. S. Scandinavian, N. 42° 55′, W. 60° 30′	29.23	742.4	36	2.2		w.			8		10		w.	3 h'r	3 h'r	cross	var.	overcast.
S. S. Sardinian, N. 44° 25′, W. 63° 17′	29.29	744.0	24	—4.4		wsw.			5		7		wnw.	12 h'r	12 h'r	cross	var.	cloudy.
S. S. Dorian, Glasgow, Scotland						var.					10			snow	snow			cloudy.
S. S. Furnessia, N. 54° 37′. W. 20° 50′ *†	29.31	744 5	48	8.9		wsw.			5		5		wsw.	0	0	long	wsw.	fair.
S. S. Galatia, Port Said, Egypt *†	30.16	766.1	69	20.6		nne.			3		0			0	0			clear.
S. S. Carroll, Halifax, N.S*†	29.41?	747.0?	24?	—4.47		nw.			6		8		nw.	snow	snow			cloudy.
S. S. Labrador, N. 42° 09′, W. 54° 21′			53.6	12		wsw.			6		8		sw.	½h'r	½h'r		wsw.	cloudy.
S. S. Wyoming, N. 50° 57′, W. 160 28′	29.56	750.8	48	8.9		w.			4		7		w.	0	0	r'gh	w.	threatening.
S. S. Westphalia, N 41° 00′, W. 62° 31′			39	3.9		wnw			6		8		nw.	4 h'r	4 h'r	mod.	nw.	cloudy.
S. S. Archimedes, (Br) N. 29° 18′, W. 19° 15′	30.19	766.8				nne.			5		4		ne.	0	0	high	n; ne	fine.
S. S. Olbers, N. 17° 08′, W. 25° 03′	30.14	765.5	69	20.6	75	une.			6		5		e.			3	s.	squally.
S. S. Archimede, (It) N. 34° 51′, W. 56° 49′	29.80	756.9	70?	21.17		wnw.			6		7		wsw.	6 h'r	6 h'r	h'vy	wsw.	cloudy.
S. S. Picqua, Lisbon, Portugal †	30.10	764.5	68?	20.0?		calm			0					0	0			clear.
S. S. Oregon, (Br.) N. 43° 07′, W. 61° 10′						wsw.			9		10		wsw.	7 h'r	7 h'r	h'vy	wsw.	cloudy.
S. S Italy, N. 48° 52′, W. 24° 25′ *	29.64	752.8	30	— 1.1		w.			6		8		w.	2 h'r	2 h'r	h'vy	w.	clearing.
S. S. Muriel, Dominica, W. I	30.08	764.0	50	10.0	93	e.			3		0			0	0	sm'h		clear.
S. S. Pennland, N. 40° 25′, W. 70° 45′			80	26.7		ene.			4		6?		ne.	14 h'r	14 h'r	sm'h	n.	overcast ?
S. S. Vaderland, N. 40° 00′, W. 49° 32′ †	29.72	754.9	28	— 2.2	77	ene.			4		10		w.	6 h'r	6 h'r	light	sse.	running.
S. S. Waesland, N. 49° 48′, W. 8° 10′	29.74	755.4	60	15.6		sww.			6		8		w.	6 h'r	6 h'r	r'gh	sw.	cloudy.
S. S. Amsterdam, N 44° 22′, W. 42° 27′ *	29.92	760.0	52	11.1		w.			7		7		sw.	1 h'r	1 h'r	cross	var.	cloudy.
S. S. State of Nevada, N. 41° 58′, W. 50° 39′			57.2	14.0	98	sse.			6		7		s.	4 h'r	4 h'r	r'gh	se.	foggy.
S. S. Saxon, Boston, Mass.			44	6.7		s.			5		10			0	0			fair.
S. S. Marengo, N. 39° 30′, W. 680 40′			18	— 7.8		calm			0		3							
S. S. Rialto, N. 44° 24′. W. 47° 02′			33	0.6		ese.			2		2		ne.	6 h'r	6 h'r	long	ne.	
Schr. Arthur Burton, Fernandina, Fla			52	11.1		s.			6		10		se.	0	0	mod.	se.	cloudy
Bgt. Achsah, Port of Spain, Trinidad, W. I†						sw.			2		4		sw.	0	0	sm'h		fine.
S. Annie, N. 33° 25′, W. 21° 46′	30.05	763.3	76	24.4		calm			0		2		e.	0	0			clear.
Schr. Abbie H. Gheen, Jacksonville, Fla*†						nw.			4		5?		nw.	0	0	long	nw.	clear.?
Bk. Alpha, N. 48° 17′, W. 13° 20′ *†	30.13	765.3	56	13.3		sw.			1									clear.
Bk. Achille F , N. 30° —′, W. 42° —′ *†	29.78	756.4	52	11.1		wsw.			3		10		w.	3 h'r	3 h'r	long	w.	cloudy.
	30.46	773.7	69	20.6	77	sse.			2		0			0	0	long	var.	

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	o–10	o–10	o–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
Bk. Bo e, N. 49° 39′, W. 7° 15′†	29.64	752.8	56	13.3		wsw.			3		5		nw.	6 h'r	6 h'r	mod.	var.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.01	762.2	79	26.1		ne.			4		1		ne.	0	0			fair.
Bk. Cato, Oporto, Portugal†	30.08	764.0	56	14.4	91	sw.			2					0	0			cloudy.
S. David Stewart, Orchilla Island, Venezuela			78	25.6		ene.			4		5		e.	0	0	long	n.	
Schr. Edith R. Seward, Berbice, British Guiana †.	30.07	763.8	81	27.2		calm			0		2		ne.	0	0			clear.
U. S. Fish Com. S.S Fish Hawk, Washington, D.C.			20	— 6.7		nw.			3		1		ne.	0	0			clear.
S. Frank N. Thayer, N. 30° 22′, W. 40° 59′†*	30.43	772.9	70	21.1	75	s.			3		2 ks		sw.	0	0	mod.	nw.	blue sky.
Bg. George, N. 27° 16′, W. 65° 14′*†	30.06	763.5				nw.			3		2		nnw.	sh'rs	sh'rs	mod.		fair
Bk. Galeon, N. 47° 57′, W. 11° 10′			53	11.7		w			2		10		w					raining.
S. Gatherer, N. 36° 19′, W. 53° 10′†	29.76	755.9	68	20.0	79	sw.			6		8		sw.	¼ h'r	¼ h'r			cloudy.
Bk. Heinrich & Tonio, N. 49° 30′, W. 14° 40′*†	29.72	754.9	50.5	10.3	86	sw.			3		10		sw.	7 h'r	7 h'r	long	w.	overcast.
Bk. Hattie G. McFarland, Aspinwall, Panama			78	25.6		ne.			5		5		ne.	0	0			
Schr. Jennie N. Huddell, Wilmington, N.C †	29.81	757.2	40	4.4		sw.			5		10		sw.	0	0			cloudy.
Bg. John Welsh, jr., N. 25° 33′, W. 57° 33′						s.			5		10		s.			r'gh	s.	
Schr. John Bird, N. 24° 44′, W. 67° 24′*†	30.10	764.5				nw.			1		5		nw.	0	0	mod.	w.	fine.
Schr. Jenny Greenbank, N. 30° 30′, W. 60° 02′*	29.90	759.4	65	18.3		wnw.			4		2		w.	8 h'r	8 h'r	con.	sse.	clear.
Bg. L. & W. Armstrong, N. 27° 25′, W. 51° 45′ †	30.20	767.1				ssw.			3		1		s.	0	0	mod.	s.	clear.
Light-house tender Laurel, Key West, Fla †	30.14	765.5	62	16.7		n.			2-3		2		n.	0	0			clear.
S. S. Madrid, N. 43° 14′, E. 7° 06′†	30.13	765.3	54	12.2	88	ne.			2		4		ne.	0	0	sm'h		fair.
Schr. Maggie Abbott, Gonaives, Hayti, W I.									3		4		n.	0	0			fair.
Schr. Nellie T. Morse, N. 25° 55′, W. 74° 15′ †	30.08	764.0	70	21.1		nw.			3		2		nnw.	0	0	large	nnw.	fine.
Bk. Sunbeam, N. 40° 21′, W 18° 59′ †.	30.07	763.8	60	15.6	88	wsw.			6		10		wsw.	0	0	mod.	nw.	overcast
S. Stephen D. Horton, Antwerp, Belgium †	30.04	763.0				ese.			5		8		e.	0	0			cloudy.
S. Tsemogora, N. 49° 48′, E. 16° 49′ *†	29.57	751.1				wsw.			2		9		ssw.	4 h'r	4 h'r	long	wsw.	hazy.
Bk. Tros, N. 48° 41′, W 13° 07′ *†	29.72	754.9	50	10.0		wsw.			1		6		w.	3 h'r	3 h'r	long	wsw.	drizzling.
S. Vincenzo Accame, N. 36° 12′, W. 21° 44′†	30.30	769.5	62.6	17		w.			3		5		w.	0	0	rg'h	wnw.	
District No. 2—South Atlantic.																		
U. S. S. Pinta, S 47° 34′, W. 64° 48′	29.64	752.8	56	13.3	81	sw.			5		0					mod.	sw.	clear.
H. M. S. Amethyst, Stanley, Falkland Ilds	29.12	739.6	53	11.7	93	w.			2		9	w.						drizzling.
H. M. S. Opal, Simons Bay, Cape Colony	29.96	761.0	68	20.0	69	ese.			1		2	ese.						blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	30.06	763.5	69	20.6	93	se.			4		4							d. clouds.
H. P. M. S. Tejo, S 6° 03′, E. 12° 17′	29.94	760.5	85.1	29.5	94	sw.			1		10			4 h'r	4 h'r			overcast.
H. P. M. S Rainha de Portugal, S. 12° 58′, E. 12° 58′	29.84	758.0	84.2	29.0	72	wnw.			2		2			1 h'r	1 h'r	2		blue sky.
S. S. Hevelius, Buenos Ayres, La Plata*†	30.13	765.3	68	20.0		se.			3		0			0	0			clear.
S. S. Teniers, S. 6° 10′, W. 30° 40′	29.97	761.2	84.9	29.4	68	calm			0		2 k		sw.	0.18	4.6	3	nne.	blue sky.
S. S. Strassburg, S. 0° 39′, W. 31° 44′	30.01	762.2	81.5	27.5	78	ese.			2-3		3		ese.	¼ h'r	¼ h'r	2	var.	clear.
S. S. George S. Homer, S. 2° 39′, W. 35° 28′*†	29.95	760.7				calm			0		6		var.	0	0	sm'h	ne	fine.
S. Grecian, S. 12° 24′, W. 31° 02′†	30.06	763.5	81	27.2	74	ene.			3		8		e.	0	0	long	s.	fine.
S. Henry Failing, S. 7° 10′, W. 30° 00′*†	29.93	760.2	85	29.4	87	calm			0		5			0	0.	mod.	sse	fair.
Bk. Horace Scudder, Landano, Guinea*†	30.05	763.3	82	27.8		ssw.			1		8		sw.	0	0		ssw.	cloudy.
S. Izmir, S. 42° 20′, W. 34° 30′ *†	30.00	762.0				n.			4		8		n.	rain	rain	mod.	n.	dull.
Bkt, Levanter, Montevideo, Uruguay*	30.04	763.0	72	22.2		se.			3		3		se.	0	0			clear.
S. S. Mendoza, S. 36° 45′, W. 46° 39′†.	29.95	760.7			95	nnw.			3				nnw.	5 h'r	5 h'r	mod.	ne.	rainy.
U. S. S. Nipsic, Punta Lara, La Plata*	30.04	763.0	62	16.7		sse.			3		2							hazy.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.64	752.8	40	4.4	96	nnw.			3		10		n.	1.32	33.5			raining.
U. S. S. Essex, Hong Kong, China	30.00	762.0	67	19.4	79	w.			3		8							cloudy.
U. S. S. Juniata, Roze Island, Corea	30.06	763.5	43	6.1	83	n.			1		10		calm	rain	rain			cloudy
U. S. S. Palos, Tientsin, China	30.35	770.9	36	2.2	70	sse.			1		0							clear.
U. S. S. Ranger, Estero Real, Nicaragua	30.03	762.7	78	25.6	82	nne.			1		2			0	0			fair.
H. M. S. Audacious, Hong Kong, China	30.05	763.3	70	21.1	75	calm			0		1		ne.					blue sky.
H. M. S. Cleopatra, N. 22° 16′, E. 114° 10′	30.02	762.5	68	20 0	95	e.			1		6		ene.					d. clouds.
H. M. S. Champion, Shanghai, China	30.21	767.3	46	7.8	84	nw.			2-4		10							drizzling.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.14	765.5	55.8	13.2	80	ne.			3-5		10					2		squally.
H. M. S. Magpie, N. 5° 24′, E. 100° 20′	29.84	757.9	84.5	29.2	64	nnw			2		0							misty.
H. P. M. S. Tamega, Macao, China	30.00	762.0	66.2	19	76	n.			5		2			0	0			blue sky.
U. S. S. Monocacy, Hong Kong, China	30.02	762.5	68	20.0	65	wsw.			1		8		calm					fair.
S. S. City of Chester, San Francisco, Cal			54	12.2	80	calm			0		10			0	0			
S. S. Columbia, Astoria, Oregon *†	29.79	756.7	40	4.4	100	calm			0		10		calm					foggy.
S. S. Oregon, N. 45° 44′, W. 126° 06′ †	29.93	760.2	43.5	6.4	92	calm			0							light	wsw.	foggy.
S. S. Willamette, N. 45° 25′, W. 124° 40′†.	29.85	758.2	42	5.6	91	calm			0		10		n	0	0	sm'h		foggy.
S. S. Alameda, N. 25° 26′, W. 150° 17′†	29.92	760.0	60	15.6	94	sw.			4		9		nw.	0	0	mod.	w.	cloudy.
S. S. Ancon, San Francisco, Cal.	29.87	758.7	55	12.8	74	nw.			1		5		w.	0	0			fair.
S. S. Geo. W. Elder, San Francisco, Cal			53	11.7	86	nw.			1		1			0	0			clear.
S. S. State of California, San Francisco, Cal.*†	29.87	758.7	52	11.1	93	calm			0		5		nw.					fair.
S. S. City of Pekin, N. 30° 12′, W. 170° 50′†	30.12	765.0	62	16.7	66	wsw.			6		5		w.	0	0	long	w.	fair.
S. S. City of Rio de Janeiro, N. 32° 09′, E. 151° 41′ †	29.94	760.5	57	13.9		s.			6				s.			large	i.	overcast.
S. S. City of Tokio, Hong Kong, China†	30.05	763.3	66	18.9	74	nne.			2		0							clear.
S. S. Colima, N. 8° 00′, W. 83° 30′†	29.98	761.5	80	26.7	78	nnw.			2		4		nw.	0	0	small	wsw.	clear.
S. S. Granada, N. 31° 39′, W. 119° 26′			62	16.7	77	ese.			3		10			0	0	mod.	se.	cloudy.
S. S. San Jose, N. 7° 08′, W 81° 30			81	27.2	96	se.			0		0			0	0	small	wsw.	fine.
S. S. Benalder, N. 34° 45′, E. 139° 15′	29.61	752.1	48	8.9	92	nne.			5-6		9		n.	16 h'r	16 h'r	mod	ene.	heavy rain.
S. St. Francis, N. 39° 50′, W. 129° 50′			50	10.0	72	e.			2		8		n.	0	0	sm'h	w.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Wachusetts, Arica, Peru	29.99	761.7	67	19.4	89	e.			1		5		calm			long	sw.	fair.
H. M. S. Espiegle, S. 41° 17′, E. 174° 48′	29.98	761.5	58	14.4	94	calm			0		5							showery.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.11	764.8	65.3	18.5	81	sw.			2		8							showery.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.95	760.7	73	22.8	90	ssw.			1		7	se.						blue sky.
S. S. City of Sydney, S. 7° 43′ W. 168° 35′*†	29.88	758.9	82	27.8	70	ene.			1		3 k		se.			small	ene.	clear.
S. S. Zealandia, Aukland, New Zealand	30.11	764.8	69	20.6	85	var.			4		2		s.			sm'h		fair.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Suez Canal, Egypt	30.07	763.8	75	23.9	44	n			2		0							clear.
H.M. S. Tourmaline, Nossi-Be, Madagascar	29.88	758.9	85	29.4	96	wnw.			2		2					sm'h		blue sky.
S. Orealia, S. 40° 36′, E. 52° —′*	29.35	745.5				nne.			7				nne.	12 h'r	12 h'r	r'gh	ne.	heavy rain.

International Chart I. March 3, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 4, 1884

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.94	760.5	63.7	17.6	78	s.	.....	.....	1	.....	6	.....	.....	1.146	29.1	cloudy	Roziere.
Algiers	.....	.....	30.00	762.1	60.8	16.0	83	s	.....	.....	1	.....	0	.....	.....	0	0	clear	Thève.
La Calle	.....	.....	30.07	763.8	59.0	15.0	83	ene.	.....	.....	5	.....	2	.....	.....	0.098	2.5	cloudy	Fonfrède.
Tunis	.....	.....	30.08	764.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.02	762.6	61.2	16.2	26	se.	.....	.....	3	.....	1	.....	.....	0	0	pretty fair	Forfert.
Laghouat	.....	.....	30.06	763.6	68.4	20.2	.....	se.	.....	.....	1	.....	0	.....	.....	0	0	very fair	Abraham.
Biskra	.....	.....	30.08	763.9	63.0	17.2	72	calm	.....	.....	0	.....	4?	.....	.....	0	0	clear?	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.20	767.1	73.9	23.3	37	sse.	8	3.6	.....	2 c	.....	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.24	768.1	30.43	772.7	49	9.4	86	w.	5	2.2	.....	.....	1	.....	nw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.23	767.8	30.32	770.1	55.9	13.3	84	s.	5	2.2	.....	.....	1	.....	.....	0.01	0.3	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.62	752 4	30.19	766.9	38.3	3.5	71	ne.	.....	.....	3	.....	10	.....	.....	0.071	1.8	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.52	749.9	30.33	770.3	36 1	2.3	75	e.	16.1	7.2	.....	.....	1	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.35	745 3	30.26	768.6	41.7	5.4	49	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28 95	735.3	30.25	768.4	37.0	3.3	85	s.	.....	.....	1	.....	10	.....	.....	0.031	0.8	.....	Andreas Rospini.
Hermannstadt	28.72	729.6	30.22	767.6	34.7	1.5	80	ese.	.....	.....	3	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28 74	730.0	30.13	765.3	38.7	3.7	90	e.	.....	.....	2	.....	10	.....	.....	0	0	cloudy	The Staff.
Lemberg	29.41	746.9	30.46	773.6	29.5	— 1.4	70	e.	.....	.....	3	.....	c	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.97	761.1	30.08	764 0	51.4	10.8	77	wnw.	.....	.....	2	.....	7	.....	.....	0.079	2.0	.....	I. R. Hydrographic Office.
Szathmar	29.73	755.2	30.21	767.4	43.3	6.3	45	e.	.....	.....	3	.....	0	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.92	759.9	30.21	767.3	41.0	5.0	81	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.03	762.7	30.13	765.2	49.8	9.9	53	ne.	.....	.....	4	.....	3	.....	.....	0.004	0.1	.....	Royal Academy.
Vienna	29.52	749.7	30.26	768.6	39.4	4.1	87	se.	.....	.....	2	.....	10	.....	.....	0.138	3.5	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.55	725.1	29.95	760.8	48.6	9.2	63	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Brussels	29.67	753 7	29.87	758.8	54.0	12.2	54	sw.	.....	.....	2	1	.....	s.	.....	0	0	.....	
Furnes	29.79	756.7	29.81	757.2	49.6	9.8	70	s.	.....	.....	1-2	.....	10	.....	.....	0	0	.....	
Maeseyck	29.83	757.7	29.96	760.9	55.4	13.0	58	se.	.....	.....	1	.....	1	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.65	753.1	29.75	755.6	40.2	4.6	89	ssw.	1	0.4	.....	.....	10	.....	.....	0.305	7.8	misty	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.49	749.0	42.2	5.7	98	ne.	11	4.9	.....	.....	10	.....	.....	.....	.....	raining	John Hartnup.
Bolton, Sharples	28.94	735.1	29.47	748.5	42.5	5.8	96	ese.	3	1.3	.....	.....	10	.....	.....	.....	.....	raining	Thomas Mackereth.
Bradford, Yorkshire	29.16	740.7	29.56	750.8	43.8	6.6	86	se.	.....	.....	2	.....	10	.....	.....	0.34	8.6	raining	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.05	763.3	30.08	764.0	77	25.0	77	ne.	.....	.....	3	.....	3	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.O
Cardington	.....	.....	.....	.....	47.0	8.3	90	s.	.....	.....	1.0	.....	10	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E	29.51	749.5	29.69	754.1	46.1	7.8	94	sw.	.....	.....	5	.....	10	.....	.....	.....	.....	raining	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.21	741.9	29.44	747.8	44.5	6.9	92	nw.	.....	.....	6	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27 47	697.7	29.78	756.4	88.0	31.1	75	nw.	.....	.....	3	.....	1	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.O.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.61	752.1	29.65	753.1	41	5.0	91	w.	.....	.....	1	.....	5	.....	.....	0	0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.66	753.4	29.76	755.9	57.2	14.0	94	e.	.....	.....	4	.....	8	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A.H.O.
Greenwich, Royal Obs'y	29.50	749.3	29.67	753.6	46.8	8.2	92	s.	.....	.....	4	.....	10	.....	.....	.....	.....	raining	The Staff.
Guernsey	29 25	742.9	29.55	750.6	50.2	10.1	93	ssw.	.....	.....	5	.....	9	.....	.....	0.87	22.1	overcast	A. Collenette, F.R.M.S.
Kew, Observatory	29.62	752.3	29.86	758.4	47.2	8.4	88	s.	21	9.4	.....	.....	10	.....	.....	.....	.....	raining	The Staff.
Leicester, Museum	29.31	744.5	29.57	751.1	47.8	8.8	41	s.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	J. C. Smith.
Malta, Mediterranean	29.87	758.7	29.94	760.5	58.8	14.9	77	n.	.....	.....	2	.....	4	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. O.
Nassau, Bahamas	30.27	768.8	30.32	770 1	69.0	20.6	65	ne.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.30	745.7	29.59	751.6	47.3	8.5	96	s.	.....	.....	4	.....	10	.....	.....	.....	.....	raining	The Staff.
Plymouth	29.33	745.0	29.41	747.0	50.2	10.1	97	sse.	.....	.....	4	.....	10	.....	.....	.....	.....	raining	John Merrifield.
Sandwick Manse, Orkneys	29.64	752.8	29.74	755.4	42	5.6	91	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.05	763.3	30.12	765.0	42.0	5.6	89	nne.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	W. H. Lyne.
Sheffield	29.29	744.0	29.57	751.1	46.2	7.9	97	s.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	W. F. Cooper.
Silloth Rectory	29.60	751.8	29.63	752.6	40.0	4.4	97	e.	.....	.....	1	.....	10	.....	.....	0.660	16.8	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.55	750.6	38.5	3.6	95	ne.	12	5.4	.....	.....	10	.....	.....	0.816	20.7	raining	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	47.4	8.6	62	s.	.....	.....	3.0	.....	10	.....	.....	.....	.....	raining	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.75	755.6	29.78	756.4	47.9	8.8	63	nnw.	18	8.0	.....	.....	4	.....	.....	blank	blank	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.63	752.6	30.02	762.5	60.4	15.8	61	w.	0	0	.....	0	2 n	.....	w.	0.02	0.5	drizzling	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.98	761.5	30.10	764.5	58.8	14.9	88	e.	23	10.3	.....	.....	10 k	.....	ene.	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	29.58	751.3	29.62	752.3	6.0	—14.4	.....	nnw.	5	2.2	.....	0	3 n	.....	.....	0	0	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.43	747.5	29.47	748.5	6	—14.4	95	w.	7	3.1	.....	5 c	0	.....	.....	0.100	2.5	fair	H. J. Cundall, C. E.
Chatham, N. B*	29.45	748.0	29.52	749.8	— 3	—19.4	100	w.	5	2.2	.....	5 ck	5 ks	w.	w.	0	0	fair	G. A. Blair.
Cornwall, Ontario	29.82	757.4	30.03	762.7	— 1.0	—18.3	100	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.47	748.5	29.52	749.8	2.0	—16.7	.....	w.	.....	.....	2	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	29.66	753.4	29.68	753.9	0	—17.8	87	nw.	16	7.2	.....	5 cs	2 ks	.....	.....	0	0	fair	James Stewart.
Fort Garry, Manitoba*	29.32	744.7	30.32	770.1	—27	—32.8	100	w.	6	2.7	.....	0	5 s	.....	w.	0	0	blue sky	Dr. Thos. Harrison.
Fredericton, N. B	29.57	751.1	29.64	752.8	2.2	—16.8	92	nw.	15	6.7	.....	1 cs	0	.....	.....	0	0	fair	J. Chipman Seeley
Grand Manan, N. B	29.64	752.8	29.70	754.4	8	—13.3	76	nw.	14	6.3	.....	5 k	0	nw.	.....	0	0	gloomy	Jas. Grant.
Granton, Ontario	29.09	738.9	30.36	771.1	—6.8	—21.6	93	calm	0	0	.....	.....	10	.....	.....	0	0	clear	A. Allison.
Halifax, N. S*	29.42	747.3	29.57	751.1	7	—13.9	96	w.	5	2.2	.....	2 cs	0	.....	.....	0	0	blue sky	Geo. Dickson, B. A.
Hamilton, Ontario	29.76	755.9	30.22	767.6	4.7	—15.2	86	nw.	.....	.....	1	0	0	.....	.....	0	0	clear	A. P. Knight, M. A.
Kingston, Ontario*	29.77	756.1	30.15	765.8	2	—16.7	72	w.	4	1.8	.....	0	0	.....	.....	0	0	d. clouds	C. H. Rigby.
Little Glace Bay, N. S	29.35	745 5	29.39	746.5	15.5	— 9.2	88	w.	3	1.3	.....	8 k	0	w.	.....	0	0	blue sky	E. B. Reed.
London, Ontario	29.33	745.0	30.36	771.1	— 5.0	—20.6	93	calm	.....	.....	0	0	0	.....	.....	0	0	cloudy	John Ewart.
Medicine Hat, N. W. T	27.80	706.1	30.34	770.6	1	—17.2	91	ne.	5	2.2	.....	.....	10 n	.....	.....	0.19	4.8	clear	Rev. J. M. Wellwood
Minnedosa, N. W. T	28.08	713.2	30.34	770.6	—21	—29.4	100	nw.	5	2.2	.....	2 cs	0	sw.	.....	0	0	clear	C. H. McLeod, C. E.
Montreal, Quebec*	29.76	755.9	29.99	761.7	1	—17.2	76	nw.	16	7.2	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Ottawa, Ontario	29.82	757.4	30.08	764.0	—14.5	—25.8	100	w.	.....	.....	.....	0	0	.....	.....	0	0	fair	Rev. R. Mosley.
Parry Sound, Ontario*	29.40	746.7	30.19	766.8	— 6	—21.1	65	w.	8	3.6	.....	2 k	0	nw.	.....	0	0	d. clouds	Wm. O'Connor, M.A.
Peterboro, Ontario	29.34	745.2	30.17	766.3	— 0.6	—18.1	46	nw.	.....	.....	2	0	5 k	.....	.....	0	0	clear	W. P. Cooke.
Port Arthur	29.43	747.5	30.24	768.1	— 9	—22.8	82	s.	5	2.2	.....	0	0	.....	.....	0	0	clear	H Morgan.
Port Dover, Ontario	29.55	750.6	30.33	770.4	— 2	—18.9	100	w.	8	3.6	.....	0	0	.....	.....	lmap.	lmap.	clear	M. Payne.
Port Stanley, Ontario	29.60	751.8	30.33	770.4	— 3	—19.4	79	w.	6	2.7	.....	0	8 k	.....	w.	0.03	0.8	cloudy	Leslie Gordon.
Qu Appelle, N. W. T	27.78	705.6	30.36	771.1	— 9	—22.8	.....	calm	0	0	.....	0	0	.....	.....	0	0	clear	Capt. Asne, R. N.
Quebec, Quebec*	29.45	748.0	29.85	758.2	— 1	—18.3	72	w.	6	2.7	.....	10 cs	0	w.	.....	0	0	cloudy	W. H. McIntyre.
Rockliffe, Ontario	29.58	751.3	30.12	765.0	—19	—28.3	64	w.	5	2.2	.....	0	0	.....	.....	lmap.	lmap.	clear	
St. Andrews, N. B	29.63	752.6	29.68	753.9	6	—14.4	95	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	
St. John, N. B	29.48	748.8	29.64	752.8	5.2	—14.9	82	nw.	20	8.9	.....	0	0	.....	.....	0	0	blue sky	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.29	744.0	24.8	— 4 0	.....	nw.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stratford, Ontario	29.44	747.8	30.25	768.3	— 2	—16.7	100	w.	10	4.5	.....	.....	10 8	.....	.....	0.01	0.3	cloudy	
	28.85	732.8	30.31	769.9	— 5.1	—20.6	70	calm	0	0	.....	2 cs	0	.....	.....	0	0	blue sky	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
Canadian.—(Continued.																			
Sydney, C. B*	29.35	745.5	29.42	747.3	5	—15.0	100	calm	0	0	.....	10 c	0	.....	.....	0.05	1.3	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.85	758.2	30.28	769.1	1	—17.2	87	w.	15	6.7	.....	0	0	.....	.....	0	0	clear	Magnetic Observatory.
Woodstock, Ontario	29.15	740 4	30.36	771.1	5.2	—20.7	85	w.	11	4.9	.....	0	0	.....	.....	0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.59	751.6	29.66	753.4	16	— 8.9	70	n.	20	8.9	.....	.....	10 k	.....	n.	0	0	cloudy	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt.House	29.96	761.0	29.99	761.7	69.5	20.8	85	sw.	.....	.....	.....	0	8 n	.....	.....	0	0	cloudy	I. Garfelt.
Cape Town, The Castle	29.97	761.2	.....	.....	69.0	20.6	50	se.	.....	.....	.....	0	1 k	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.90	708.6	.....	.....	79	26.1	49	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace.
Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	29.51	749.5	29.61	752.2	60.1	15.6	81	e.	.....	.....	4	0	0	.....	.....	0	0	clear	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	56.8	13.8	91	n.	.....	.....	1	.....	10 n	.....	n.	0	0	cloudy	Leon Herrera.
Valparaiso	29.86	758.5	30.00	762.1	62.2	16.8	92	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	cloudy	Paez-i-Ampuero.
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.24	768.2	30.27	768.8	41.0	5.0	76	ne.	3.8	1.7	.....	.....	10	.....	.....	0	0	covered	M.Marc Dechevrens, S. J
Danish.																			
Copenhagen	30.28	769.0	30.32	770.2	33.6	0.9	84	se.	27	12.	.....	.....	10	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	30.10	764.5	30.12	765.0	41.4	5.2	83	se.	.....	.....	6	.....	9	.....	.....	.....	.....	.....	Overloerer Lauridsen.
Godthaab, Greenland	29.09	738.9	29.13	740.0	1.2	—17.1	100	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Gree land	28.95	735.2	28 97	735.7	7.7	—13.5	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.25	743.0	29.30	744 1	37.9	3.3	83	calm	.....	.....	0	.....	5	.....	.....	.....	.....	.....	A. O. Thorlacius.
Thorshavn	29.55	750.6	29.58	751 2	44.1	6.7	78	sw.	20	9.	.....	.....	6	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	29.76	756.0	29.81	757.2	—22.2	—30.1	.....	e.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	
Vestervig	30.05	763.3	30.14	765.6	36.0	2.2	91	ese.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	Loerer Oesterbol.
Egyptian.																			
Cairo	29.86	758.5	.....	.....	71.6	22.	.....	ne.	4.5	2.0	.....	.....	0	.....	.....	0	0	.....	Albert Ismaïun, Dir.
French.																			
Agen, Normal School	29.26	743.3	29.91	759.8	58.3	14.6	72	sse.	.....	.....	1	2 c	.....	.....	se.	0	0	.....	M. Labroue, Director.
Alençon, Normal School	29.21	74 .8	29.76	755.8	50.7	10.4	77	s.	.....	.....	1	.....	2 s	.....	n.	0.68	2	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.62	752.4	29.87	758 6	52.0	11.1	76	w.	.....	.....	1	.....	2	n.	.....	0	0	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.96	760.9	30.04	762 9	61.5	16.4	49	se.	.....	.....	2	.....	.....	s.	.....	0	0	.....	M. Giraud, Director.
Bar-sur-Seine	29.35	745.4	29.90	759.4	55.0	12.8	49	s.	.....	.....	2	.....	5	.....	.....	0	0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.55	750.6	29.82	757.3	53.6	12	61	se.	.....	.....	2	.....	10	.....	.....	0	0	covered	M. Frère Eugène Marie.
Besançon, Normal School	29.03	737.3	29.92	760.0	57.6	14.2	51	e.	.....	.....	1	c	.....	.....	s.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.56	750.7	29.82	757.3	59.0	15.0	57	se.	.....	.....	2	.....	2	.....	.....	0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.36	745.8	29.91	759.7	58.6	14.8	50	sse.	.....	.....	2	.....	5	.....	sse.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.43	747.4	29.67	753.5	48.9	9.4	95	w.	.....	.....	2	.....	10	.....	w.	0.945	24.0	.....	M. de Kermarec, Dir.
Caen, Normal School	29.61	752.1	29.69	754.0	58.6	14.8	91	ssw.	.....	.....	1	.....	5	.....	ssw.	0.24	6.	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l	29.62	752 4	29.95	760.6	49.5	9.7	95	se	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.39	746.4	29.90	759.4	54 7	12.6	72	sse.	.....	.....	4	c	.....	.....	.....	0	0	clear	M. Noël, Director.
Clermont-Ferrand Obs'y	28.52	724.3	29.86	758.4	58.3	14.6	34	s.	.....	.....	4	.....	8	.....	.....	0	0	.....	M. Alluard, Director.
Cluny, Normal School	29.11	739.4	30.02	762.5	55.8	13.2	47	s.	.....	.....	4	.....	5	n.	.....	0	0	fair	M. de Villemontés, Dir.
Commercy, Normal School.	29.10	739 2	29.99	761.7	50.c	10	40	s.	.....	.....	4	.....	0	.....	.....	0	0	clear	Dr. Coulet, Director.
Gap, Normal School	27 50	698 4	30.05	763.2	51.8	11.	41	se.	.....	.....	1	.....	3 s	.....	.....	0	0	.....	M. Jarach, Director.
Gréasque, du Rhone	28.86	733.1	29.99	761.7	56.3	13.5	45	s.	.....	.....	4	.....	5	.....	s.	0	0	.....	M. Kina, Director.
Grenoble. Normal School	29.21	742 0	29.98	761.5	55.4	13.	52	nw.	.....	.....	1	c	.....	.....	n.	0	0	clear	M. Ablard, Director.
Guéret, Normal School	28.25	717.5	29.82	757.3	34.7	1.5	78	sw.	.....	.....	6	.....	10	.....	sw.	0	0	covered	M. Delorme, Dir.
Lamballe Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. Poilpre, Dir.
Lescar, Normal School	29.45?	748.0?	30.01?	762.2?	64.9	18.3	28	n.	.....	.....	1	c	.....	.....	.....	0	0	.....	M. Ollagnon, Director.
Lorient, Naval Observatory	29.56	750.8	29.66	753.4	52.9	11.6	80	WsW	.....	.....	4	.....	8	.....	sw.	0.008	0.2	¾ covered	L. T. Carré, Director.
Lyon, St. Genis-Laval	29 89	733.7	29.95	760 6	53.4	11.9	50	s.	.....	.....	8	5 c	.....	n.	.....	0	0	fair	M. Audié, Director.
Mans, Normal School	29.47	748.5	29.77	756.2	55.6	13.1	55	sw.	.....	.....	4	5 ck	.....	.....	w.	0.016	0.4	cloudy	M. Richard, Director.
Marseille, Observatory	29.76	755 9	30.03	762.8	59.4	15.2	55	sse.	.....	.....	3	.....	4	.....	se.	0	0	.....	M. Stephan, Director.
Montlouis	24.69	627.2	29.54	750.2	42.8	6.0	56	wsw.	16.8	7.5	.....	.....	0	.....	.....	0	0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.84	758 0	29.95	760.8	56.8	13 8	78	sse.	.....	.....	6	.....	5	e.	.....	0	0	fair	M. Gaizin, Director.
Nancy, Normal School	29.19	741 5	29.98	761 5	52.2	11.2	61	ne.	.....	.....	1	c	.....	.....	.....	0	0	.....	M. Hasse, Director.
Nantes, Observatory	29.61	752.0	29.77	756.1	55.9	13.3	68	sse.	.....	.....	1-2	.....	10 n|kn	.....	n.	0.189	4.8	.....	M. Larocque, Director.
Perpignan, Observatory	29 79	756.7	29.90	759.5	60.1	15.6	60	se.	7.4	3.3	.....	.....	0	.....	.....	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	21.05	534.7	.....	.....	31.6	— 0.2	.....	sw.	.....	.....	2	.....	0	.....	.....	0	0	clear	M. Vaussenat, Director.
Privas, Normal School	28.95	735.2	30.02	762.5	51.8	11.	63	s.	.....	.....	1	.....	10	s.	s.	0	0	covered	M. Tallieu.
Puy de Dôme Obs'y, Summit	25.02	635 4	.....	.....	37.8	3.2	73	s.	.....	.....	2	.....	8	.....	wsw.	0	0	.....	M. Alluard.
Rochefort, Naval Obs'y	29.78	756.5	29.82	757.3	60.8	16 0	53	s.	.....	.....	4	.....	0	.....	.....	0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.54	750 3	29.76	755.8	57.2	14.	63	s.	.....	.....	6	.....	.....	s.	s.	0.008	0.2	.....	M. Brotlier, Director.
Rodez, Normal School	27.76	705.2	29.91	759.8	51.8	11	56	e.	.....	.....	6	.....	1 n	.....	w.	0	0	clear	M. Seger, Director.
Rouen, Normal School	29.79	756.6	29.83	757.6	43.9	6 6	94	s.	.....	.....	1	.....	0	.....	.....	0.16	4.	clear	M. Mouillot, Dir.
Saint Maur, Observatory	29.67	753.7	29.84	757.9	54.7	12.6	51	sse.	.....	.....	1	.....	8	wsw.	.....	0	0	very cloudy	M. Renou, Director.
Toulouse, Observatory	29.17	740.8	29.89	759.1	58.6	14.8	00	sse.	.....	.....	6	.....	0	.....	.....	0	0	clear	M. Baillaud, Director.
Tours	29.63	752 6	29.81	757 2	55.4	13.0	52	ssw.	.....	.....	4	.....	1	sw.	sw.	0	0	clear	M. de Tastes.
Versailles, Observatory	29.34	745.2	29.83	757.6	52.9	11.6	67	s.	.....	.....	2	.....	5	.....	.....	0	0	fair	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.67	753 5	29.82	757.3	66.7	19.3	37	sw.	9.8	4.4	.....	2 ck	.....	.....	.....	0	0	.....	M. Cartier, Director.
German.																			
Ansbach	28.65	727.7	30.15	765.7	41.0	5.0	59	se.	.....	.....	4	.....	.....	se.	.....	0	0	.....	Prof. Jnedt.
Bamberg	29.27	743.4	30.11	764 9	41.7	5.4	55	se.	.....	.....	2	.....	2 s	.....	.....	0	0	.....	Prof. Dr. Hoh.
Berlin	30.09	764.2	30.24	768.0	40.6	4.8	76	e.	.....	.....	1	.....	10	.....	.....	0	0	.....	Meteorological Institute
Breslau	29.80	756.9	30.34	770.5	36.9	2.7	72	ese.	.....	.....	2	.....	10	.....	.....	0.004	0.1	.....	Royal University Obs'y
Carlsruhe	29.56	750.8	30.02	762.4	55.0	12.8	50	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	Albert Senz.
Cassel	29.36	745.8	30.08	763.9	49.6	9.8	54	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.71	754 5	30.08	763 9	49.1	9.5	53	ese.	.....	.....	2	.....	0	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.61	726.6	30.06	763 4	43.5	6.4	74	w.	.....	.....	1	.....	0	.....	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	30.09	764.2	30.18	766.5	40.3	4.6	84	se.	.....	.....	5	.....	6	.....	.....	0	0	misty	E. Preiler.
Kiel	30.17	766.2	30.18	766.6	40.8	4.9	81	ese.	.....	.....	2	.....	10	.....	.....	0.004	0.1	.....	Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.74	755.5	30.18	766.5	44.4	6.9	73	e.	.....	.....	3	.....	6	se	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	29.99	761.7	30.19	766.7	42.4	5.8	79	ese.	.....	.....	1	.....	9	ne.	.....	0	0	.....	Weather Observatory.
Memel	30.57	776.5	30.62	777.7	38.5	3.6	63	se.	.....	.....	4	.....	0	.....	.....	.....	.....	clear	Issermann.
Munich	28.25	717.6	30.12	765.0	35.8	2.1	90	n.	.....	.....	1	.....	10	n.	.....	0	0	.....	Central Station.
Neufahrwasser	30.47	773.8	30.48	774.2	37.9	3.3	65	se.	.....	.....	3	.....	3	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.49	749.0	30.02	762.4	48.0	8.9	63	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	Prof. Dicknether.
Stuttgart	29.08	738 6	29.98	761.4	51.8	11.0	48	s.	.....	.....	1	.....	1	s.	.....	0.228	5.8	dense fog	Prof. Dr. Schoder.
Wustrow	30.23	767.9	30.26	768.5	37.8	3.2	80	se.	.....	.....	3	.....	10 s	.....	.....	0	0	.....	Profs. Brandes & Reimer
Greek.																			
Athens	29.64	752.8	30.03	762.7	54.1	12.3	.....	n.	.....	.....	2.5	9	0	.....	.....	0	0	.....	Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.88	758.8	29.93	760.1	77.3	25.2	60	sw.	30.0	13.4	.....	.....	0	.....	.....	0	0	blue sky	
Deesa	29.34	745.3	29.81	757.2	88.4	31.3	18	wsw.	17.0	7.6	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.86	758.4	29.90	759.3	80.5	26.9	81	w.	5.0	2.2	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	28.01	711.5	29.87	758.7	77.6	25.3	49	e.	18.0	8.0	.....	.....	10	.....	.....	0.07	1.8	overcast	
Belgaum	27.33	694.3	29.86	758.4	79.0	26.1	55	w.	15.0	6.7	.....	.....	7	w.	e.	0.06	1.5	raining	
Lahore	29.03	737.4	29.80	757.0	60.2	15.7	79	w.	6.0	2.7	.....	.....	10	.....	.....	0	0	overcast	
Roorkee	28.88	733.5	29.78	756.5	73.7	23.2	32	se.	8.0	3.6	.....	.....	10	w.	.....	.....	.....	drizzling	
Agra	29.20	741.5	29.75	755.6	89.7	32.1	23	nw.	3.0	1.3	.....	.....	9	.....	nw.	0	0	d. clouds	
Nagpur	28.77	730.8	29.79	756.7	91.7	33.2	27	w.	3.0	1.3	.....	.....	8	.....	w.	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p.sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Bubbulpore	28.49	723.7	29.84	757.8	85.4	29.7	22	sw.	6.0	2.7	.....	.....	10	....	w.	0	0	overcast.....	
Lucknow	29.40	746.8	29.77	756.2	86.1	30.1	23	w.	4.0	1.8	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.45	748.0	29.75	755.7	90.7	32.6	21	n.	2.0	0.9	.....	.....	8	.....	nw.	0	0	d. clouds	
Patna	29.62	752.2	29.80	756.9	84.4	29.1	30	n.	3.1	1.4	.....	.....	2	n.	n.	0	0	....	
Hazaribagh	27.81	706.3	29.79	756.7	83.6	28.7	27	nw.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky.....	
Cuttack	29.77	756.2	29.85	758.3	87.1	30.6	44	sw.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky.....	
Calcutta, Allpore	29.82	757.3	29.84	757.8	81.3	27.4	58	s.	6.5	2.9	.....	.....	0	.....	.....	0	0	blue sky.....	
Dhubri	29.72	754.8	29 83	757.8	78.5	25.8	47	ene.	5.7	2.6	.....	.....	0	.....	.....	0	0	blue sky.....	
Chittarong	29.81	757 1	29.90	759.4	75.8	24.3	86	sw.	2.6	1.2	.....	.....	0	....	.....	0	0	blue sky.....	
Sibsagar	29.55	750.6	29.90	759.4	69.0	20.6	82	ene.	1.0	0.4	.....	.....	6	é	e.	0.03	0.8	d. clouds.....	
Jeypore	28.34	719.7	29.76	756.0	84.4	29.1	21	wnw.	20.0	8.9	.....	.....	9	.....	ssw.	0	0	d. clouds	
Zanzibar	29.82	757.4	29.84	758.0	87.2	30.7	58	ene.	9.0	4.0	.....	.....	2	ne.	.....	0	0	d. clouds	
Bellary	28.35	720.1	.....	.....	98.0	33.0	14	se.	4	1.8	.....	0	0	.....	.....	0	0	blue sky.....	
Trichinopoly	29.60	751.8	.....	.....	91.0	32.8	33	e.	0.2	0.1	.....	0	0	.....	.....	0	0	blue sky.....	
ITALIAN.																			
Udine	29.70	754.3	30.11	764.8	51.6	10.9	50	e.	7.4	3.3	.....	.....	6	.....	.....	0	0	.....	Prof. Giovanni Clodig.
Milan	29.60	751.7	30.12	765.1	51.8	11.0	63	w.	1.8	0.8	.....	.....	6	nw.	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	30.00	761.9	30.11	764.8	52.0	11.1	55	ne.	6.3	2.8	.....	.....	4	ene.	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.17	740.8	30.08	764.0	52.2	11.2	50	s.	3.1	1.4	.....	.....	7	n.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.87	758.8	30.07	763.7	56.8	13.8	50	sw.	3.8	1.7	.....	.....	0	....	.....	0	0	....	Prof. G. M. Garibaldi.
Pesaro	30.06	763.6	30.11	764.9	44.8	7.1	93	n.	11.9	5.3	.....	.....	7	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	29.80	756.9	30.06	763.4	56 3	13.5	48	ne.	.....	.....	2	.....	3	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	29.97	761.1	30.05	763.3	56.5	13.6	51	ene.	3.1	1.4	.....	.....	0	....	....	0	0	....	Prof. P. Monte.
Rome	29.83	757.7	30.01	762.2	59.7	15.4	52	sw.	2.5	1.1	.....	.....	5	.....	.....	0.004	0.1	....	Prof. P. Tacchini.
Lecce	29.77	756.2	30.03	762.7	55.0	12.8	75	nne.	9.8	4.4	.....	.....	10	.....	.....	0.181	4.6	.....	Prof. C. de Giorgi.
Cosenza	29.13	739.9	30.03	762.8	53.6	12.0	76	sw.	2.5	1.1	.....	.....	9	w.	.....	0.094	2.4	.....	Prof. D. Conti.
Palermo	29.75	755.6	30.00	762.0	57.4	14.1	64	nne.	3.8	1.7	.....	.....	6	wnw.	.....	0	0	.....	Prof. G. Caccintore
Syracuse	29.95	760.7	29.99	761.8	60.3	15.7	69	e.	1.8	0.8	.....	.....	10	wnw.	.....	0.008	0.2	....	Sig. V. Giuli no.
Sub-series.																			
Naples, Astron'l Obs'y	29.50	749 2	.....	.....	54.5	12.5	77	s.	0	0	.....	.....	10	sse.	.....	0	0	.....	Prof. F. Brioschi.
JAPANESS.																			
Akita	29.98	761.4	30.01	762.3	30.8	— 0.7	88	nw.	.....	.....	6	.....	10k;ks	.....	nw.	0	0	cloudy.....	H. Hattori.
Awomori	29.91	759.7	29.95	760.7	27.0	— 2.8	91	nw.	9.9	4.4	.....	0	8ks;ck	.....	nw.	0.030	0.8	cloudy.....	K. Ogawa.
Hakodate	29.93	760.3	29.94	760.6	26.0	— 3.3	55	nw.	12.0	5.4	.....	1 c	0	.....	.....	0	0	clear.....	Y. Souma.
Hamamatsu	29.87	758.7	29.97	761.2	38.4	3.6	64	w	.....	.....	2	0	0	.....	.....	0	0	clear.....	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.20	767.1	30.22	767.5	36.9	2.7	67	n.	4.4	2.0	.....	0	0	.....	.....	0	0	clear.....	Y. Okamoto.
Kagoshima	30.12	765.1	30.13	765.4	45.0	7.2	66	nne.	.....	.....	2	0	6 s	.....	nw.	0	0	fair.....	
Kanazawa	30.07	763.8	30.18	766.5	34.0	1.1	69	e.	7.1	3.1	.....	.....	10ks;s	....	.....	0	0	overcast.....	S. Endo.
Kioto	29.98	761.4	30.15	765 8	38.2	3.4	67	n.	3.9	1.7	.....	.....	10 ks;ck	.....	n.	0.005	0.1	cloudy.....	M. Tojima.
Kochi	30.12	765.1	30.14	765.6	41.6	5.3	56	n.	15.3	6.8	.....	1 ck	0	.....	.....	0	0	clear.....	K. Kusunose.
Miasaka	30.11	764.7	30.13	765.4	43.2	6.2	70	nnw.	.....	.....	2	0	1ck;s	.....	w.	0	0	fair.....	K. Masusaki & T. Ishitain.
Miyako	29.80	756.8	29.91	759.6	30.0	— 1.1	50	n.	1.8	0.8	.....	2 c	3 s	nw.	nw.	0	0	fair.....	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.99	761.7	30.20	767.1	39.4	4.1	66	ne.	4.2	1.9	.....	0	0	....	.....	0	0	clear.....	
Nemuro	29.72	754 9	29.77	756.1	15.0	— 9.4	46	s.	6.0	2.7	.. ..	1 k	0	.....	.....	0	0	clear.....	A Shibuya.
Niigata	30.08	764.0	30.12	765 c	34.6	1.4	66	w.	8.9	3.9	.....	.....	10ks;s	.....	nw.	0.010	0.2	cloudy.....	Satoo & Tomikawa.
Nobiru	29.94	760.4	29.95	760.8	31.6	— 0.2	64	nnw.	9.9	4.5	.....	0	3 ks	.....	nnw.	0	0	fair.....	Yoshino & Midzushina.
Numadzu	29.52	759.9	29.96	760.9	37.5	3.1	70	ne.	.....	.....	1	0	0	.....	.....	0.067	1.7	clear.....	T. Ohgi.
Osaka	30.15	765.7	30.16	766.1	39.7	4.3	59	n.	12.1	5.4	.....	.....	10s;ck	.....	n.	0	0	cloudy.....	H. Omura.
Sakai	30.22	767.6	30.23	767.8	38.6	3.7	64	n.	.....	.....	2	.....	10 ks	.....	n.	0	0	cloudy.....	Yamawchi & Sakamoto.
Sapporo	29.82	757 4	29.89	759.2	23.5	— 4.7	87	n.	14.3	6.3	.....	0	8 s	.....	.....	0.015	0.4	cloudy.....	S. Kimura.
Shimonoseki	30.08	763.9	30.22	767.6	38.6	3.7	55	nne.	.....	.....	1	.....	10s;ks	.....	ne.	0.012	0.3	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.92	760.0	30.00	762.1	35.2	1.8	46	n.	19.6	8.7	.....	0	0	.....	.....	0	0	clear.....	The Staff.
Wakayama	30.10	764.6	30.16	766.0	35.8	4.3	54	n.	10.9	4.9	.....	.....	10ck;ks	.....	w.	0	0	cloudy.....	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.71	754.6	29.90	759.4	82.0	27.8	65	e.	7.0	3.1	.....	0	6 ks;kn	.....	s;ese	0	0	fair.....	The Staff.
MEXICAN.																			
Leon	24.40	619.7	30.21	767.3	49.1	9.5	71	nne.	0.9	0.4	.....	0	0	.....	.....	0	0	clear.....	M. Leal & M. Pina
Mazatlan	29.78	756.4	30.04	763.1	69.0	20.6	75	n.	0.9	0.4	.....	0	0	.....	.....	0	0	light fog.....	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.87	758.8	29.87	758.8	50.9	10.5	.....	sse.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Groningen	29.94	760.5	30.00	761.9	44.6	7.0	.....	s.	.....	.....	1	.....	.....	....	.....	0	0	.....	
Helder	29.91	759 8	29.91	759.8	44.1	6.7	.....	se.	.....	.....	3	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	29.89	759.1	29.89	759.1	46.8	8.2	67	ese.	.....	.....	3	.....	.....	.....	.....	0	0	.....	
Utrecht	29.89	759.2	29.94	760.4	51.4	10.8	57	sse.	.....	.....	3	.....	5	.....	.....	0	0	cloudy.....	H. van der Brink.
Sub-series.																			
Batavia, Java	29.83	757.7	.....	.....	75.6	24.2	98	nnw.	0.5	0.2	.....	.....	8	.....	.....	0.224	5.7	.....	Lt. J. J. Ropman, R.D.N
NORWEGIAN.																			
Bergen	29.96	760 9	30.02	762 5	42.8	6.0	47	s.	18	8	.....	.....	10	.....	.....	0	0	.....	
Brono	30.13	765.4	30.17	766.4	39.0	3.9	38	sse.	.....	.....	6	.....	6	.....	.....	0	0	.....	
Christiania	30.24	768.1	30.39	772 0	34.9	1.6	75	e.	4	2	.....	.....	10	.....	.....	.....	.....	snowing.....	
Gjesvær	30.13	765 2	30.15	765.8	34.9	1.6	.....	sw.	.....	.....	4	.....	10	....	....	0	0	.....	
Lodingen	30.17	766.3	30.22	767.5	32.4	0.2	57	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	30.09	764.2	30.18	766.5	64.8	18.2	71	....	.....	.....	.....	.....	2	n.	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.52	749.7	29.85	758.3	53.4	11.9	76	n.	16.1	7.2	.....	.....	10	.....	.....	0.646	16.4	.....	The Staff.
Ponta Delgada, Azores	30.30	769 6	30.37	771.4	60.8	16.0	69	se.	4.3	1.9	.....	.....	3	.....	.....	0.307	7.8	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.06	763 4	30.09	764.3	68.9	20.5	68	e.	.....	.....	6	.....	2	.....	.....	0	0	.....	
San Salvador, Congo	28.02	711.8	29.84	757.9	82.0	28.1	67	sw.	.....	.....	3	.....	0	.....	.....	0.087	2.2	.....	
Serra da Estrella	25.04	636.0	29.86	758.4	36.1	2.3	94	sw.	7.4	3.3	.....	.....	10	.....	.....	0.169	4.3	.....	
RUSSIAN.																			
Akmolinski	29.12	739 7	30.33	770.4	1.6	—16.9	90	wsw.	31	14	.....	.....	10 n	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	30.49	774.4	30.51	774.9	19.9	— 6.7	89	wnw.	9	4	.....	0	5 ks	.....	.....	0	0	.....	Capt. Seeliwerstow
Ashuruda	30.31	769.8	30.21	767.4	51.8	11.0	73	nnw.	9	4	.....	0	5 k	.....	.....	0	0	....	
Astrakhan	30.52	775 1	30.44	773.1	28.8	— 1.8	56	ese.	11	5	.....	.....	10 s	.....	.....	0	0	light clouds	Capt. Wisganow.
Baku	30.30	769.7	30.20	768 5	46.9	8.3	84	ese.	13	6	.....	0	7 ks	.....	.....	.....	.....	.....	
Barnaul	29.77	756.1	30.33	770 4	— 0.1	—17.8	79	sw.	31	14	.....	.....	10	.....	.....	0.591	15.0	.....	Meteorological Office.
Bielosersk	30.14	765.6	30.05	778.6	20.1	— 0.6	72	calm	0	0	.....	1 c	0	.....	.....	0	0	solar halo..	
Dorpat	30.54	774 6	30.76	781.4	17.2	— 8.2	94	ese.	2	1	.....	.....	10 n	.....	.....	0	0	light fog.....	Observatory.
Ekaterinnburg	29.13	739.8	30.16	766.0	18.3	— 7.6	83	w.	18	8	.....	.....	10	....	....	.....	.....	light snow...	Meteorological Obs'y
Elissawetgrad	29.97	761.1	30.45	773 5	22.1	— 5.5	76	ne.	9	4	.....	.....	10 s;n	.....	.....	0	0	.....	
Kasan	30.24	768.0	30.53	775.5	15.8	— 9.0	81	wsw.	11	5	.....	0	0	.....	.....	0	0	.....	Observatory.
Kem	30.54	775 8	30.60	777.1	23.2	— 4.9	88	w.	13	6	.....	.....	10	.....	.....	0	0	h'vy clouds	
Kerich	30.20	767.0	30.22	767.6	35.1	1.7	.....	ne.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Sastyrew.
Kieff	29.81	757.2	30.50	774.0	25.3	— 3.7	67	ne.	7	3	.....	0	3 ks	.....	.....	0	0	....	Observatory.
Koslov	30.04	763.0	30.60	777.2	12.4	—10.9	76	ene.	7	3	.....	0	2 s	.....	.....	0	0	....	
Lgov	29.96	761.0	30.60	777 3	17.2	— 8.2	78	ne.	13	6	.....	.....	7	.....	.....	0	0	.....	R. I. Saaweljew, Engin'r.
Libau	30.58	776.8	30.61	777.4	37.6	3.1	61	ese.	9	4	.....	.....	0	.....	.....	0	0	.....	I. Quaas.
Lugan	30.11	764.8	30.33	770.4	19.8	— 6.8	73	ene.	18	8	.....	.....	10	.....	.....	0.031	0.8	.....	Meteorological Obs'y
Moscow	30.11	764.7	30.63	778 1	19.9	— 6.7	89	calm	0	0	.....	.....	10 s	.....	.....	0	0	....	Meteorological Obs'y
Nertschinsk	27.56	698.5	29.93	760.2	16 5	— 8.6	69	calm	0	0	.....	.....	10	....	....	0.142	3.6	....	
Nikolaiev	30 31	769.8	30.38	771.6	26.6	— 3.0	76	nne.	18	8	.....	.....	10 n	.....	.....	0	0	....	Capt. Kurdakow.

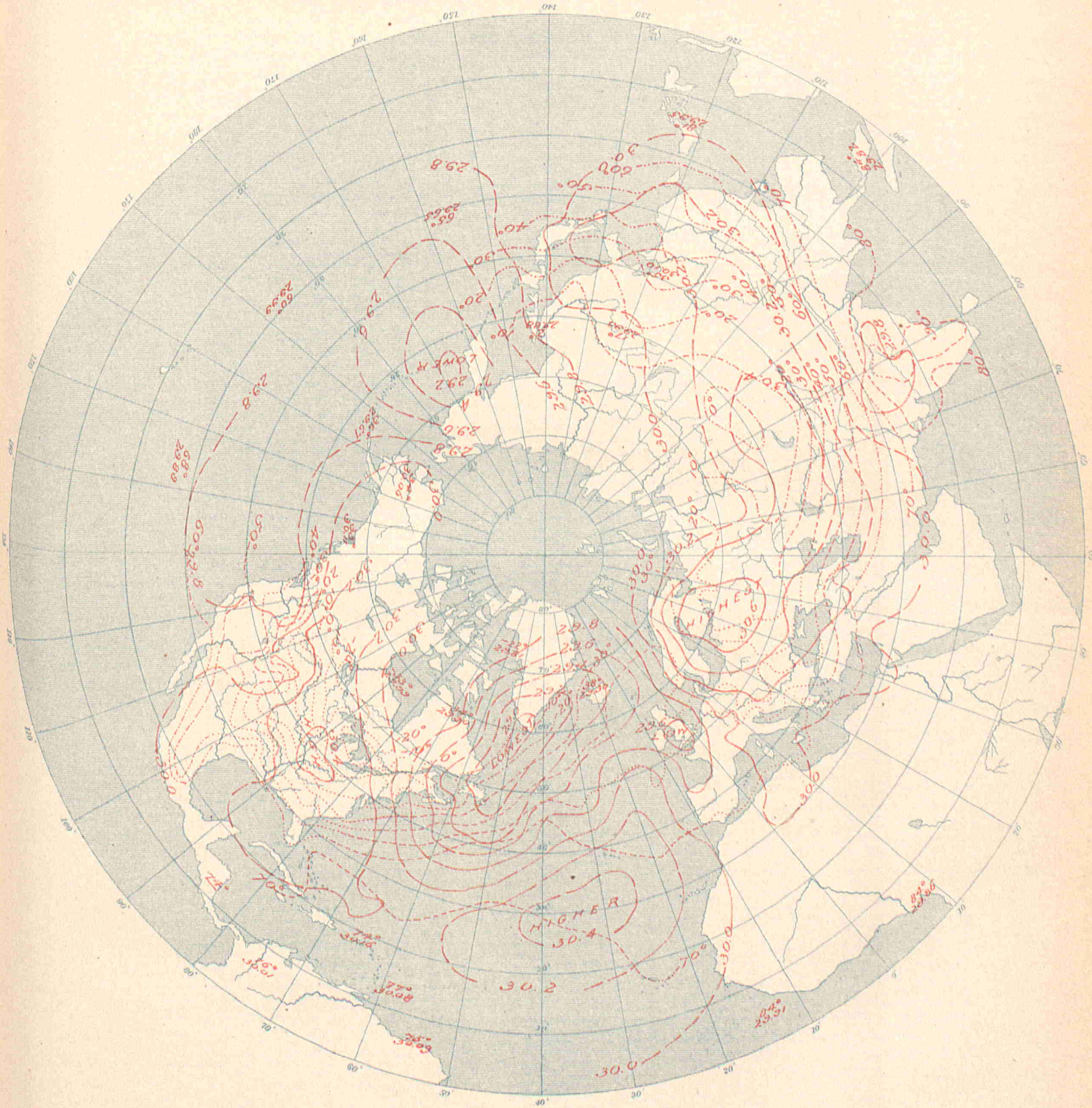
STATIONS.	BAROMETER. Corrected for instrumental error and for temperature. Inch.	BAROMETER. Corrected for instrumental error and for temperature. Mill.	BAROMETER. Reduced to sea-level. Inch.	BAROMETER. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	WIND. Direction. From.	WIND. Velocity. Miles p. hr.	WIND. Velocity. Mets. p. sec	WIND. Force. 0–10	CLOUDS. Amount and kind. Upper. 0–10	CLOUDS. Amount and kind. Lower. 0–10	CLOUDS. Direction. Upper. From	CLOUDS. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.79	756.7	29.88	758.9	1.8	—16.8	65	w.	4	2	.....	1 c	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.95	760.8	30.10	764.4	35.2	1.8	67	nw.	2	1	.....	0	8 n	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	30.05	763.2	30.42	772.7	34.2	1.2	29	ne.	2	1	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.43	772.8	30.64	778.3	16.9	— 8.4	70	calm	0	0	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	30.04	763.1	30.58	776.6	29.8	— 1.2	59	ene.	4	2	.....	0	0	.....	.....	0	0	.....	
Poti	30.30	769.6	30.33	770.4	50.7	10.4	91	nw.	7	3	.....	.....	2 k	.....	.....	0.264	6.7	.....	
St. Petersburg	30.73	780.5	30.75	781.1	17.1	— 8.3	88	nw.	4	2	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.71	703.8	30.28	769.1	37.2	2.9	75	se.	7.8	3.5	.....	0	6 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.84	757.8	30.58	776.8	— 2.0	—18.9	76	s.	11	5	.....	.....	8	.....	.....	0	0	.....	Major Lasarew
Sevastopol	30.01	762.2	30.23	767.9	36.9	2.7	65	nne.	20	9	.....	.....	10 n	.....	.....	0	0	.....	
Staroi Bykhov	30.04	763.0	30.64	778.3	21.2	— 6.0	77	ne.	9	4	.....	.....	10	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.62	727.0	30.42	772.7	25.5	— 3.6	86	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	heavy cl'ds.	Terch, A. A.
Tiflis	28.72	729.5	30.15	765.7	54.5	12.5	44	s.	4	2	.....	0	1 k	.....	.....	0	0	.....	Physical Observatory.
Vernoe	27.71	703.8	30.50	774.7	4.5	—15.3	75	nw.	2	1	.....	0	6 k	.....	.....	.....	.....	.....	Lariono.
Viatka	29.81	757 2	30.50	774.7	15.8	— 9.0	67	w.	2	1	.....	.....	6	.....	.....	0	0	.....	
Vladivostock	30.11	764.7	30.17	766.4	12.0	—11.1	80	n.	13	6	.....	.....	0	.....	.....	0	0	.....	
Warsaw	30.04	762.9	30.48	774.2	36.7	2.6	55	ese.	16	7	.....	0	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.79	756.7	30.11	764.8	1.6	—16.9	76	sw.	9	4	.....	.....	10	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.97	761.2	30.50	774.7	22.2	— 5.4	76	w.	4.9	2.2	.....	.....	10	.....	w.	0	0	cloudy	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.85	758.3	29.97	761 1	56.1	13.4	73	sw.	.....	.....	.....	5	7 kn	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.74	755.3	29.80	756.8	64.4	18.0	46	s.	5.4	2.4	.....	2	2	e.	.....	0	0	cloudy	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.90	683.2	29.86	758.5	52.5	11.4	55	sw.	9.4	4.2	.....	.....	9	.....	.....	0	0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.66	702.5	29.87	758.7	56.8	13.8	63	se.	5.1	2.3	.....	0	2	.....	.....	0	0	almost clear.	The Staff.
Murcia, Met. Obs'y	29.72	754.9	29.84	757.8	55.4	13.0	88	ne.	3.4	1.5	.....	4	5	sw.	.....	0.08	0.2	misty	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.89	733 8	29.80	756.8	50.9	10.5	88	w.	2.5	1.1	.....	.....	10	.....	.....	0.622	15.8	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.20	767.0	30.26	768.7	57.4	14.1	85	e.	0.7	0.3	.....	0	3 k	.....	ene.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.89	759.2	29.95	760.7	80.5	26.9	72	ese.	8.8	3.9	.....	2 ck	2 ks	.....	.....	0	0	fair	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.77	756.1	29.87	758.6	63.5	17.5	64	ese.	8.5	3.8	.....	0	8	.....	se.	0.448	11.4	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I	30.07	763.7	30.16	766.0	73.8	23.2	83	calm	0	0	.....	0	4 k	.....	e.	0	0	clear	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.54	775 8	30.58	776.8	30.2	— 1.0	92	s.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Umea	30.56	776.3	30.61	777.6	29.5	— 1.4	92	sw.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Hernosand	30.51	774.9	30.56	776.2	31.3	— 0.4	85	s.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Stockholm	30.40	772.1	30.58	776 6	36.0	2.2	68	sse.	.....	.....	4	.....	1	.....	.....	0	0	.....	
Wisby	30.43	772.8	30.48	774.3	38.1	3.4	54	s.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.47	773.8	30.55	776.0	35.2	1.8	75	s.	13.9	6.2	.....	.....	5	.....	se.	inap.	inap.	.....	H.H. Hildebrandesson
TURKISH.																			
Constantinople	.....	.....	30.16	766 0	40.1	4.5	86	n.	25	11.0	.....	.....	10	.....	n.	0.287	7.3	.....	The Observatory.
Valona	.....	.....	30.06	763.6	60.4	15.8	.....	w.	.....	.....	2	.....	8	.....	.....	0	0	¼covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.99	761.7	63.0	17.2	72	n.	.....	.....	2	2 c	0	sw.	.....	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.99	761 7	30.08	764.0	19.4	— 7.0	63	w?	9	4.0	.....	0	1 s	.....	w.	0.03	0.8	clear	J. O. Barnes.
Alpena, Michigan	29.54	750.3	30.24	768.1	— 8	—22.2	74	w.	5	2.2	.....	0	0	.....	.....	0.01	0.3	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.90	632.4	29.92	760 0	48.7	9.3	91	sw.	4	1.8	.....	.....	10 n	.....	.....	0.33	8.4	light rain	J. B. Turton.
Assiniaboine, Ft., Montana	27.21	691.1	30.22	767.6	7.8	—16.8	100	e.	18	8.0	.....	.....	10 n	.....	.....	0.09	2.3	light snow	J. J. O'Connor.
Atlanta, Georgia	29.10	739.1	30.31	769.9	31.3	— 0.4	39	n.	12	5.4	.....	10 cs	sk.	w.	.....	0	0	cloudy	S. W. Beall.
Atlantic City, New Jersey	30.21	767.3	30.22	767.6	11.0	—11.7	80	nw.	6	2.7	.....	0	0	.....	.....	0.02	0.5	clear	B. A. Blundon.
Augusta, Georgia	30.16	766.1	30.36	771.1	40	4.4	35	n.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	W. J. Evans.
Baltimore, Maryland	30.25	768 3	30.30	769,6	20.0	— 6.7	33	nw.	8	3.6	.....	hz.	0	.....	.....	0.02	0.5	clear	Geo. W. Feiger.
Barnegat City, New Jersey	30.18	766 6	30.20	767.1	17.5	— 8.1	58	nw.	28	12.5	.....	0	0	.....	.....	inap.	inap.	clear	J. P. Sherry.
Bennett, Fort, Dakota	28.53	724.6	30.23	767.8	5.0	—15.0	100	ne.	8	3.6	.....	.....	10 n	.....	ne.	inap.	inap.	light snow	A. Pritchard.
Benton, Fort, Montana	27.20	690.9	30.18	766.6	16.5	— 8.6	72	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	light snow	C. S. Bennett.
Bismarck, Dakota	28.32	719.3	30.24	768.1	0.0	—17.8	72	calm	0	0	.....	.....	10 n	.....	nw.	0.01	0.3	light snow	B. O. Lenoir.
Block Island, Rhode Island	30.00	762.0	30.03	762.7	17.0	— 8.3	67	nw.	23	10.3	.....	0	2 ks	.....	nw.	0	0	clear	J. T. Elker.
Boise City, Idaho	26 90	683 2	29.82	757.4	36.8	2.7	84	e.	2	0.9	.....	9 cs	0	.....	.....	0	0	cloudy	James Kenealy.
Boston, Massachusetts	29.81	757.2	29.97	761.2	9.5	—12.5	66	w.	12	5.4	.....	3 cs	0	.....	.....	0.02	0.5	clear	O. B. Cole.
Brownsville, Texas	30.00	762 0	30.06	763.5	66.0	18.9	93	s.	9	4.0	.....	.....	10 s	.....	s.	inap.	inap.	cloudy	John McGlone.
Buffalo, New York	29.46	748 3	30.25	768.3	2	—16.7	52	sw.	16	7.2	.....	0	0	.....	.....	0.01	0.3	clear	D. Cuthbertson.
Buford, Fort, Dakota	28.11	714.0	30.27	768 8	1	—17.2	75	ne.	4	1.8	.....	.....	10 n	.....	.....	inap.	inap.	light snow	A. Schneider.
Cairo, Illinois	30.04	763.0	30.46	773.7	20.0	— 6.7	70	e.	12	5.4	.....	.....	10 s	.....	sw.	0	0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.59	751.6	29.79	756.7	42.3	5.7	80	s.	3	1.3	.....	3 cs	fg.	.....	.....	0.02	0.5	clear	J. H. Young.
Cape Henry, Virginia	30.32	770.1	30.34	770.6	23.0	— 5.0	46	nw.	19	8.5	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	30.28	769.1	30.31	769.9	19.0	— 7.2	53	nw.	29	13.0	.....	4 k	0	nw.	.....	0.15	3.8	fair	W. E. Smith.
Cape Mendocino, California	29.05	737.9	29.74	755.4	50	10.0	77	ne	.....	.....	2	.....	10 s	.....	ne.	0	0	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.31	769.9	30.33	770.4	53.8	12.1	90	sw.	3	1.3	.....	0	0	.....	.....	0.01	0.3	clear	G. W. Davis.
Charleston, S. Carolina	30.27	768 5	30.33	770.4	38.0	3.3	73	ne.	8	3.6	.....	3 ck	4 s	w.	w.	0	0	fair	J. H. Smith.
Charlotte, N. Carolina	29.47	748 5	30.35	770.9	25.0	— 3.9	70	ne.	4	1.8	.....	.....	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.52	749.8	30.37	771.4	26.5	— 3.1	53	n.	9	4.0	.....	.....	10 s	.....	nw.	inap.	inap.	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.76	603.5	29.96	761.6	36.2	2.3	53	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.64	752 8	30.38	771.6	— 0.4	—18.0	71	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	Wm. Norrington.
Chincoteague, Virginia	30.29	769.4	30.31	769.9	21.2	— 6.0	68	nw.	23	10.3	.....	0	0	.....	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.74	755 4	30.43	772.9	13.9	—10.1	78	nw.	3	1.3	.....	0	7 s	.....	nw.	0	0	fair	L. Dunne.
Cleveland, Ohio	29.54	750.3	30.32	770 1	9.0	—12.8	87	w.	10	4.5	.....	.....	10 n	.....	w.	0.05	1.3	heavy snow	W. Line.
Columbus, Ohio	29.49	749 0	30.38	771.6	7	—13.9	81	sw.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	F. T. Williams
Concho, Fort, Texas	28.18	715.8	30.15	765.8	36.3	2.4	82	e.	4	1.8	.....	0	7 k	.....	.....	0	0	fair	C. E. King.
Custer, Fort, Montana	26.75	679.4	30.08	764.0	6	—14.4	100	n.	9	4.0	.....	.....	10 n	.....	.....	0.01	0.3	light snow	W. J. Daily.
Davenport, Iowa	29.71	754.6	30.40	772.1	7.2	—13.8	54	nw.	4	1.8	.....	8 ck	0	w.	.....	0	0	cloudy	R. R. Martin.
Davis, Fort, Texas	24.96	634.0	29.83	757.7	44.4	6.9	84	sw.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	J. Williams.
Dayton, Washington Ty	27.92	709.2	29.74	755.4	29.8	— 1.2	88	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	T. Gibson.
Deadwood, Dakota	25.14	638.5	29.98	761.5	9.0	—12.8	87	ne	3	1.3	.....	.....	10 s	.....	.....	0.06	1.5	cloudy	G. W. Scott.
Delaware Breakwater, Del.	30.27	768 8	30 29	769.4	19.2	— 7.1	82	nw.	17	7.6	.....	0	6 ks	.....	nw.	0.04	1.0	fair	G. A. Martin.
Denver, Colorado	24.50	622.3	29.94	760.5	33.4	0.8	90	s.	2	0.9	.....	0	3 s	.....	.....	inap.	inap.	clear	F. M. Neal.
Des Moines, Iowa	29.41	747.0	30.37	771.4	6.4	—14.2	62	n.	1	0.4	.....	0	sk	.....	.....	0	0	clear	F. W. Conrad.
Detroit, Michigan	29.58	751.3	30.33	770.4	8.0	—13.3	76	sw.	6	2.7	.....	0	6 k	.....	sw.	inap.	inap.	fair	N. B. Conger.
Dodge City, Kansas	27.49	698.2	30.22	767 6	15.5	— 9.2	70	se.	9	4.0	.....	0	0	.....	.....	0	0	clear	J. E. Lanouette.
Dubuque, Iowa	29.66	753.4	30.41	772.4	— 2	—18.9	68	nw.	3	1.3	.....	.....	10 s	.....	nw.	0	0	cloudy	J. Harvey Smith
Duluth, Minnesota	29.50	749.3	30.29	769.4	— 9.0	—22.8	64	w.	11	4.9	.....	0	0	.....	.....	0	0	clear	E. R. Bruce.
Eastport, Maine	29.60	751.8	29.68	753.9	6.0	—14.4	70	nw.	13	5.8	.....	0	1 k	.....	nw.	0	0	clear	D. C. Murphy.
Elliott, Fort, Texas	27.30	693.4	30.13	765.3	22.2	— 5.4	80	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
El Paso, Texas	26.30	668 0	30.10	764.5	47.0	8.3	87	calm	0	0	.....	.....	10 s	.....	.....	inap.	inap	cloudy	F. Belford.
Erie, Pennsylvania	29.45	748.0	30.22	767.6	6.0	—14.4	70	calm	0	0	.....	hz.	0	.....	.....	0.05	1.3	clear	P. Wood.
Escanaba, Michigan	29.55	750.6	30.26	768.6	—17.6	—27.6	78	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	L. M. Pindell.
Fort Smith, Arkansas	29.70	754 4	30.19	766.8	38.0	3.3	45	e.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	J. B. Campbell.
Galveston, Texas	30.06	763.5	30.10	764.5	62.3	16.8	93	s.	8	3.6	.....	0	9 ks	.....	w.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.61	752.1	30.31	769.9	10.2	—12.1	83	calm	0	0	.....	0	6 s	.....	nw.	0.02	0.5	fair	Joseph E. Mueller
Grant, Fort, Arizona	25.20	640.1	30.03	762.7	48.6	9.2	84	e.	12	5.4	.....	.....	10 n	.....	e.	0.60	15.2	light rain	Chas. A. Read.
Hatteras, North Carolina	30.32	770.1	30.33	770.4	28.0	— 2.2	77	nw.	23	10.3	.....	hz.	0	.....	.....	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.69	652.5	30.01	762.2	13	—10.6	66	n.	6	2.7	.....	0	7 ks	.....	.....	0.05	1.3	fair	S. W. Morrison.
Huron, Dakota	28.79	731.3	30.27	768 8	5.6	—14.7	62	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.54	750.3	30.38	771.6	7.0	—13.9	63	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	C. F. R. Wappenhans.
Indianola, Texas	30.04	763 0	30.08	764.0	65.0	18.3	100	s.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.28	769.1	30.33	770.4	49.0	9.4	91	w.	2	0.9	.....	0	fg.	.....	.....	inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	29.73	755.1	30.42	772.7	4.0	—15.6	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.26	768.6	30.28	769.1	63.5	17.5	68	ne.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.32	770.1	30.34	770.6	23.6	— 4.7	52	nw.	17	7.6	.....	0	0	.....	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.33	745.0	30.39	771.9	18.3	— 7.6	60	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. A. Cody.
La Crosse, Wisconsin	29.54	750.3	30.36	771.1	—10	—23.3	78	s.	4	1.8	.....	0	0	.....	.....	0	0	clear	S. C. Emery.
Leavenworth, Kansas	29.44	747.8	30.38	771.6	14	—10.0	64	se.	8	3.6	.....	.....	9 s	.....	.....	0	0	cloudy	C. Dill.
Lewiston, Idaho	28.83	732.3	29.69	754.1	35.0	1.7	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.96	761.0	30.28	769.1	34.0	1.1	79	ne.	8	3.6	.....	.....	10 n	.....	.....	0.15	3.8	light rain	W. U. Simons.
Los Angeles, California	29.46	748.3	29.86	758.4	56.7	13.7	92	e.	12	5.4	.....	.....	10 s	.....	e.	3.18	80.8	threatening	T. S. Collins
Louisville, Kentucky	29.82	757.4	30.41	772.4	17 0	— 8.3	67	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	E. B. Garriott.
Lynchburg, Virginia	29.60	751.8	30.32	770.1	20.0	— 6.7	56	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.53	750.0	30.23	767.8	— 3.0	—19.4	71	nw.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.35	770 9	30.36	771.1	27.3	— 2.6	59	n.	19	8.5	.....	0	0	.....	.....	0	0	clear	William Daly.
Maginnis, Fort, Montana	25.43	645.9	30.03	762.7	— 2.8	—19.3	68	se.	1	0.4	.....	.....	10 n	.....	.....	0.03	0.8	light snow	F. Burke.
Marquette, Michigan	29.47	748.5	30.24	768.1	— 6.0	—21.1	62	w.	8	3.6	.....	0	0	.....	.....	0.02	0.5	clear	J. Gilligan.
Memphis, Tennessee	29.98	761.5	30.33	770.4	29.5	— 1.4	68	ne.	7	3.1	.....	.....	10 s	.....	.....	0.08	2.0	cloudy	D. T. Flannery
Milwaukee, Wisconsin	29.57	751.1	30.36	771.1	— 4.6	—20.3	71	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	S. W. Rhode.
Mobile, Alabama	30.20	767.1	30.24	768.1	50.8	10.4	93	sw.	2	0.9	.....	10c;cs	sk.	nw	.....	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	30.06	763.5	30.30	769.6	41	5.0	78	ne.	6	2.7	.....	4 cs	6 s	sw.	.....	0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.22	742.2	30.30	769.6	—10	—23.3	91	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	H. Bessant.
Mt. Washington, N. H.	22.88	581.1	29.40	746.7	—17.4	—27.4	36	nw.	90	40.2	.....	.....	fg.	.....	nw.	0.04	1.0	dense fog	J. H. Melton.
Nashville, Tennessee	29.80	756.9	30.40	772.1	20.3	— 6.5	82	ne.	12	5.4	.....	10 cs	0	sw.	.....	0	0	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.96	761 0	30.08	764.0	12.5	—10.8	66	w.	11	4.9	.....	0	0	.....	.....	inap.	inap.	clear	J. H. Sherman.
New London, Connecticut	30.01	762.2	30.06	763.5	15.0	— 9.4	70	w.	5	2.2	.....	0	0	.....	.....	0.01	0.3	clear	J. G. Lynch.
New Orleans, Louisiana	30.14	765.5	30.20	767.1	56.0	13.3	86	se.	6	2.7	.....	2 cs	8 s	.....	s.	0	0	cloudy	M. Herman.
New York, New York	29.97	761.7	30.17	766.3	14	—10.0	64	w.	12	5.4	.....	0	0	.....	.....	inap.	inap.	clear	W. Finn.
Norfolk, Virginia	30.30	769.6	30.33	770.4	26.0	— 3.3	51	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	Wm. Davis.
North Platte, Nebraska	27.05	687 1	30.11	764.8	17.6	— 8.0	76	se.	8	3.6	.....	0	0	.....	.....	inap.	inap.	clear	E. F. Brady.
Olympia, Washington Ter	29.69	754.1	29.73	755.1	40.0	4.4	89	sw.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	J. Dascomb.
Omaha, Nebraska	29.12	739.6	30.37	771.4	10.0	—12.2	73	se.	4	1.8	.....	0	8 s	.....	se.	0	0	cloudy	A. Pollak
Oswego, New York	29.78	756.4	30.12	765 0	12.0	—11.1	80	nw.	17	7.6	.....	0	9 n	.....	nw.	0.06	1.5	light snow	J. G. Linsley.
Palestine, Texas	29.55	750.6	30.12	765.0	61.5	16.4	87	s.	8	3.6	.....	.....	10 n	.....	.....	0.02	0.5	light rain	P. T. Jenkins.
Pensacola, Florida	30.23	767.8	30.26	768 6	50.2	10.1	94	sw.	3	1.3	.....	7 cs	0	w.	.....	0	0	fair	M. McGauran.
Philadelphia, Pa	30.14	765.5	30.24	768.1	19.0	— 7.2	70	nw.	6	2.7	.....	0	0	.....	.....	0.01	0.3	clear	T. F. Townsend.
Pike's Peak, Colorado	17.54	445.5	30.13	765.3	11.0	—11.7	87	w.	40	17.9	.....	.....	fg.	.....	w.	inap.	inap.	dense fog	H. Hall.
Pittsburg, Pennsylvania	29.48	748.8	30.34	770.6	12.3	—10.9	94	w.	13	5.8	.....	0	3 s	.....	nw.	0.03	0.8	clear	O. D. Stewart
Port Huron, Michigan	29.58	751.3	30.30	769.6	— 1.9	—18.8	79	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Portland, Maine	29.83	757.7	29.88	758.9	14.0	—10.0	64	nw.	7	3.1	.....	.....	10s;sk	.....	nw.	0	0	cloudy	W. W. Eichelberger.
Portland, Oregon	29.65	753.1	29.72	754.9	43.0	6.1	83	nw	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	M. L. Hearn.
Prescott, Arizona	24.63	625.6	29.97	761.2	44.0	6.7	96	sw.	5	2.2	.....	.....	10 n	.....	.....	0.44	11.2	light rain	N. D. Lane.
Provincetown, Mass	29.91	759.7	29.94	760.5	15	— 9.4	74	nw.	18	8.0	.....	0	8 ks	.....	nw.	0.05	1.3	cloudy	O. N. Kitchel.
Red Bluff, California	29.43	747.5	29.80	756.9	54.8	12.7	83	s.	2	0.9	.....	.....	10 n	.....	s.	0.15	3.8	light rain	J. R. William.
Rio Grande City, Texas	29.86	758.4	30.10	764.5	65.0	18.3	93	se.	5	2.2	.....	0	0	.....	.....	0	0	clear	L. G. Schultz.
Rochester, N. Y	29.48	748.8	30.18	766.6	4	—15.6	58	w.	24	10.7	.....	3 k	hz.	w.	.....	0.04	1.0	clear	E. W. McGann.
Roseburg, Oregon	29.9	741.4	29.75	755.6	41.3	5.2	82	calm	0	0	.....	0	9 s	.....	w.	0	0	cloudy	J. J. Nanry.
Sacramento, California	29.69	754.1	29.76	755.9	57.0	13.9	93	calm	0	0	.....	.....	9 s	.....	.....	0.03	0.8	cloudy	J. A. Barwick
St. Louis, Missouri	29.76	755.9	30.42	772.7	13.6	—10.2	70	ne.	7	3.1	.....	hz.	sk.	.....	.....	0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	30.03	762.7	30.06	763.5	34	1.1	94	ne.	1	0.4	.....	10 cs	0	.....	.....	0.07	1.8	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.44	747.8	30.35	770.9	—12.0	—24.4	100	calm	0	0	.....	8 ck	0	w.	.....	0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.31	744.5	30.25	768.3	—18	—27.8	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25 45	646.4	29.97	761.2	45.7	7.6	75	se.	6	2.7	.....	.....	10 s	.....	.....	inap.	inap.	threatening	J. Craig.
San Diego, California	29.77	756.1	29.84	757.9	60.7	15.9	93	s.	13	5.8	.....	.....	10 s	.....	s.	0.46	11.7	cloudy	F. R. Day.
Sandusky, Ohio	29.02	752.3	30.34	770.6	9	—12.8	76	sw.	8	3.6	.....	0	0	.....	.....	0.01	0.3	clear	B. F. Hough.
Sandy Hook, New Jersey	30.15	765.8	30.18	766.6	15.7	— 9.1	67	nw.	30	13.4	.....	0	0	.....	.....	0.01	0.3	clear	V. P. Chappel.
Sanford, Florida	30.26	768.6	30.31	769.9	51.0	10.6	93	ne.	5	2.2	.....	0	fg.	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.66	753.4	29.73	755.1	56.6	13.7	62	nw.	7	3.1	.....	.....	9 s	.....	se.	0.04	1.0	cloudy	N. Gorom
Savannah, Georgia	30.22	767.6	30.31	769.9	43	6.1	36	n	3	1.3	.....	0	0	.....	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.35	669.3	30.15	765.8	8	—13.3	80	ne.	4	1.8	.....	.....	10 s	.....	.....	0.10	2.5	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.90	759.4	30.08	764.0	46.0	7.8	93	ne.	8	3.6	.....	.....	10 n	.....	ne.	0.01	0.3	light rain	E. N. Meekins.
Sitka, Alaska	30.04	763.0	30.11	764.8	32.5	0.3	54	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	F. W. Pickett.
Smithville North Carolina	30.33	770.4	30.37	771.4	29.0	— 1.7	62	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.61	701.3	29.74	755.4	34.3	1.3	89	nw.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	D. Moore.
Springfield, Illinois	29.72	754.9	30.44	773.2	11.7	—11.3	66	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	T. B. Jennings.
Stockton, Fort, Texas	27.01	686.0	30.09	764.3	48.0	8.9	68	calm	0	0	.....	0	5 s	.....	.....	0	0	fair	J. W. Byram.
Tatoosh Id., Wash. Ter	29.62	752.3	29.72	754.9	41.0	5.0	92	s.	1	0.4	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	R. Connor.
Thomas, Camp, Arizona	27.24	691.9	30.02	762.5	54.2	12.3	98	calm	.....	.....	0	.....	10 n	.....	.....	0.42	10.7	light rain	R. C. Lord.
Toledo, Ohio	29.60	751.8	30.32	770.1	8.5	—13.1	64	w	6	2.7	.....	6 ck	0	w.	.....	0.01	0.3	fair	A. Buell.
Unalashka, Alaska	29.65	753.1	29.67	753.6	36	2.2	89	se.	10	4.5	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.92	760.0	30.18	766.6	44	6.7	93	e.	8	3.6	.....	.....	10 n	.....	sw.	0.29	7.4	light rain	F. W. Mixer.
Washington, D. C	30.21	767.3	30.33	770.4	17.5	— 8.1	69	nw.	8	3.6	.....	0	1 k	.....	nw.	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.90	657.8	29.96	761.0	20	— 6.7	87	n	3	1.3	.....	0	1 s	.....	n	0	0	clear	F. H. Brandenburg.
Wilmington, N Carolina	30.31	769.9	30.37	771.4	31.0	— 0.6	38	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.91	734.3	30.30	769.0	6.0	—14.4	76	e.	2	0.9	.....	.....	10 n	.....	.....	inap.	inap.	light snow	E. H. Thompson.
Yuma, Arizona	29.72	754.9	29.87	758.7	59.6	15.3	96	n.	5	2.2	.....	.....	10 s	.....	sw.	1.31	33.3	cloudy	W. S Delano.
Sub-series.																			
Behringsland, Kamchatka	29.12	739.6	29.14	740.1	31.9	— 0.1	98	sw.	8	3.6	.....	0	8 n	.....	sw.	inap.	inap.	cloudy	George Oherulck.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	75	23.9	.....	nw.	.....	.....	1	0	9 n	.....	ne.	0.24	6.1	cloudy	W. H. Jackson.
bogota, U. S. C	22.03	559.5	.....	.....	56.3	13.5	90	calm	0	0	.....	.....	8 k	.....	nw.	0.402	10.2	..	Joaquin Gomez.
Chimo, Fort, Ungava	29.74	755.4	29.90	759 4	—34	—36.7	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.13	765.3	71.2	21.8	89	calm	0	0	.....	0	0	.....	.....	0	0	clear	Robert Johnstone.
Paramaribo, S. A	30.08	764.0	30.09	764.3	75	23.9	90	e.	.....	.....	2	.....	10 n	e.	e.	0.270	6.9	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.45	748.0	30.01	762.2	76	24.4	94	s.	.....	.....	1	.....	10 ks	.....	s.	.....	.....	raining	Francisco J. Cisneros
Rivas, Nicaragua, C. A	.....	.....	.....	.....	74	23.3	82	ne.	.....	.....	5	.....	.....	.....	.....	0	0	clear	Earl Platt.
York Factory, B. A	29.92	760 0	29.99	761.7	—33.0	—36.1	.....	w.	15	6.7	.....	1 c	3 s	w.	w.	0.01	0.3	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.01	762.3	30.02	762.5	78.1	25.6	82	n	12.5	5.6	.....	.....	6 k	.....	n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, N. 31° 00′, W. 74° 08′ *	30.20	767.1	59	15.0		nw.			6		6		nw.	0	0	high	nw.	cloudy.
S. S. Alpin, A uadil a, ort Rico, W. I			78	25.6		ne.			3		3		ne.	0	0	mod.	ne.	clear.
S. S. Adriatic, N. 41° 17′, W. 51° 76′†	29.35	745 5				ssw.			6				var.			high	sw.	stormy.
S. S. Antonio Lopez, N 28° 46′, W. 27° 56′	30.47	773.9	67	19.4	74	nne.			3		8			0	0	mod.	nne.	cloudy.
S. S. America, N. 38° 30′, W. 61° —′*	29.60	751.8	45	7.2	84	w.			6		6		w.	0	0	high	w.	fair.
S. S. Athos, N. 18° 00′, W. 75° 50′†	30.19	766.8				ne.			3		0			0	0	sm'h		clear.
S. S. Belgenland, N. 39° 49′, W. 55° 26′			58	14.4	100	wnw.			8				wnw.			h'vy	wnw.	overcast.
S. S. Britannic, N. 49° 09′, W. 30° 20′†	29.77	756 1	47	8.3		n.			6		6		nw.	2 h'r	2 h'r	high	w.	hailing.
S. S. City of Augusta, (bee Isl nd, G †.	30.30	769.6				wnw.			4		6		wnw.	0	0	sm'h		clear.
S. S. Caracas, N. 21° 40′, W. 680 08′*†	30.21	767.3	75	23.9	84	ne.			5		10		ne.	1 h'r	1 h'r	long	n.	cloudy.
S. Dora, N. 40° 14′, W. 52° 10′ *†	29.40	746.7	59.9	15.5		wsw.			7		7		wsw.	8 h'r	8 h'r	cross	w.	squally.
S. S. Donau, N. 49° 35′, W. 11° 13′	29.93	760.2				nw.			7		4		nw.	10 h'r	10 h'r	cross	nw.	fair.
S. S. Devonia, N. 55° 01′, W. 13° 32′†	29.75	755.6	45	7.2		wnw.			4		7		wnw.	3 h'r	3 h'r	h'vy	w.	fair.
Bk. Fred W. Carlon, N. 22° 15′, W. 89° 25′†	30.21	767.3				ese.			6		0			0	0	r'gh.	ese.	hazy.
S. S. Gallia, N. 49° 48′, W. 23° 30′	29.90	761.0	49	9.4		sw.			6		10			0	0	high	nw.	squally.
S. S. Gellert, N. 47° 11′, W. 32° 03′	29.68	753.9	46	7.8	88	wsw.			3		2		wsw.	0	0	r'gh	wsw.	clear.
Bk. Godeffroy, N. 25° 10′, W. 62° 41′	30.19	766.8	68.0	20.0	92	nne.			3		9	wnw.	nne.	rain	rain	long	nw.	cloudy.
Bk. Idaho, N. 37° 56′, W. 73° 38′*†	30.21	767.3				nw.			7		10		nw.	10 h'r	10 h'r	h'vy	w.	snowing.
Bg L. F. Munson, Matanzas, Cuba, W. I*†	30.24	768.1	68	20.0		e.			5		2		e.	0	0			clear.
Bg. Lilian, N. 19° 50′, W. 65° 00′†	30.17	766.3	79	26.1		ese.			3		3		se.	0	0	mod.	e;ne	fair.
S. S. Main, N. 44° 22′ W. 45° 40′	29.40	746.7	51.8	11.0		s.			6		10		s.	6 h'r	6 h'r	cross	s.	rainy.
S S Nurnberg, N 49° 25′, W. 27° 52′	29.77	756.1	48.2	9.0		sw.			6		10		sw.	5 h'r	5 h'r	rg'h	sw.	rainy.
S. S. New York, N 24° 24′, W. 82° 30′*†	30.30	769.6	68	20.0		ene.			5		2		ese.			mod.		clear.
S. S. Nessmore, N. 48° 45′, W. 25° 02′	29.94	760.5	52	11.1	86	sw.			5		4		sw.	6 h'r	6 h'r	long	wsw.	gloomy.
Schr. Norena, Arroyo, Porto Rico, W. I*†	30.17	766.3				ene.			2		3		ene.	2 h'r	2 h'r	mod.	ese.	fair.
S. S. Orinoco, New York, N. Y			18	— 7.8		nw.			5		0			3 h'r	3 h'r			clear.
Bk. Orpheus, N. 45° 23′, W. 39° 49′ *	29.82	757.4	60	15.6		ssw.			6		1 8			0	0	mod.	wsw.	clear.
S. S. Pavonia, N. 41° 23′, W. 66° 48′	29.56	750.8	42	5.6	83	nw.			6		9		nw.	13 h'r	13 h'r	r'gh	nw.	squally.
S. S. Pennsylvania, Philadelphia, Pa †	30.25	768.3	16	— 8.9	100	wnw.			3		0			0	0			clear.
Bg. Rising Sun, N. 22° 46′, W. 68° 45′ *†	30.20	767.1	72	22.2		nne.			6		9		nne.	light	light	short	nnw.	squally.
S. S. State of Georgia, N. 41° 47′, W. 55° 21′†	29.37	746.0	47	8.3		calm			0		8		w.	h'vy	h'vy	con.		squally.
S. S. Salerno, N. 52° 54′, E. 1° 35′			44	6.7		sw.			4		10		sw.	0.3	8.	sm'h	var.	raining.
S. S. Sailer, N. 41° 21′, W. 59° 57′	29.49	749.0				nw.			6		9		w.	8 h'r	8 h'r	cross	nw.	squally.
S. S. Switzerland, N. 48° 33′, W. 18° 30′*†	30.10	764.5				nw.			2		5		nw.	8 h'r	8 h'r	long	wnw.	fair.
S. St. David, N. 45° 19′, W. 30° 49′			62.3?	16.8?	88	sw.			6		9		sw;w	4 h'r	4 h'r	h'vy	sw.	stormy.
S. S. The Queen, N. 46° 26′, W. 39° 58′			55	12.8		ssw.			6		0			1 h'r	1 h'r	cross		clear.
Bk. Tuck Sing, N. 25° 17′, W. 67° 45′ *†	30.20	767.1				n.			3		2		nnw.	0	0	long	nnw.	fine.
S. S. Venetian, N. 41° 56′, W. 48° 22′*	29.34	745 2	52	11.1		ssw.			5–6		10		s.	3 h'r	3 h'r	r'gh	cross	overcast.
S. S. Valencia, N. 32° 09′, W. 71° 58′†	30.26	768.6	57	13.9	69	nw.			7		4		nw.	0	0	h'vy	nw.	fair.
S. S. Westernland, Antwerp, Belgium	29.92	760.0	49	9.4	78	se.			3		0			0	0			clear.
S. S. W. A. Scholten, N. 49° 05′, W. 12° 51′	29.92	760 0	48.4	9.1	72	nnw.			6		6		nw.	3 h'r	3 h'r	5	w.	squally.
S. S. Weser, N. 42° 07′, W. 53° 43′			44.6	7.0		w.			2		10		w.	2 h'r	2 h'r	long	w.	cloudy.
S. S. Australia, N. 40° 59′, W. 33° 37′†	30.09	764.3	60	15.6		sw.			6		10		sw.	1 h'r	1 h'r	mod.	w.	hazy.
S. S. Cienfuegos, N. 27° 30′, W. 78° 27′	30.31	769.9	68	20.0		nw.			2		0			0	0	small	nw.	clear
S. S. Frisia, N. 49° 30′, W. 9° 05′	29.83	757.7	52.2	11.2		nnw.			6				n.	1 h'r	1 h'r	mod.	w.	fair.
S. S. Texas, N. 49° 49′, W. 22° 11′*†	29.99	761.7	52	11.1	79	ssw.			3		10		sw.			mod	sw.	overcast.
Bk. George Davis, N. 49° 12′, W. 8° 22′						n.			6				nne.	8 h'r	8 h'r	hv'y	ne.	cloudy.
S. S. Anchoria, N. 41° 03′, W. 67° 35′						wnw.			4		5		wnw.	8 h'r	8 h'r	mod.	w.	snowing
Schr Adda Doane, N. 30° 19′, W. 72° 09′†	30.26	768.6				nw.			4		2		nw.	0	0	r'gh	wnw.	clear.
S. S. Chalmette, N. 37° 10′, W. 74° 05′*†	30.30	769.6	27	— 2.8		nw.			6		4		nw.	0	0	mod.	nw.	clear.
S. S. Erin, N. 45° 21′, W. 38° 30′†	29.81	757.2	57	13.9		sse.			4		0			2 h'r	2 h'r	short	s.	clear.
S. S. Grecian, Boston, Mass	29.99	761.7	11	—11.7	80	wnw.			4		0			0	0			clear.
Schr. James Slater, N. 28° 41′, W. 47° 12′			72	22.2		s.			5		0			0	0	mod.	ssw.	
S. S. St. Laurent, N. 49° 21′, W. 21° 55′	30.01	762.2	51.8	11.0		w.			4		7		w.	light	light	large	wnw.	fair.
Schr. Viola Reppard, Portland, Me						w.			1		8		calm	0	0			cloudy.
Bk. Western Chief, N. 41° 24′, W. 43° 36 *†	29.70	754.4				sse.			6		6 k		wsw.			6	s.	hazy.
U. S. Navy Yard, Portsmouth, N. H.*	29.86	758 4	11	—11.7	80	nw.	12	5.4			5		nw.	0	0			fair.
U. S. S. Galena, Port Royal, S. C.*	30.31	769 9	45	7.2	57	ene.			2		5		n; e.			sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	30.07	763.8	17	— 8.3		wnw.			4		0					sm'h		clear.
U. S. S. Powhatan, Port Royal, S. C	30.34	770.6	41	5.0	65	ne.			1		8		n.					cloudy.
U. S. S. Quinnebaug, Leghorn, Italy	30.01	762.2	57	13.9	69	ene.			2		2		ne.			sm'h		clear.
U. S. S. Saratoga, New York, N. Y	30.15	765.8	15	— 9.4	100	nw.			5		0			0	0	sm'h		clear.
U. S. S. Tennessee, N. 28° 14′, W. 89° 48′	30.26	768.6	70	21.1	95	s.	12	5.4			8		s.	0	0			cloudy
U. S. S. Yantic, Port Royal, S. C	30.34	770.6	45	7.2	68	nne.			1		5							fair.
H. M. S. Alexandra, N. 33° 46′, E. 32° 36′	30.03	762.7	65	18.3	78	sw.			1		6		sw.			sm'h		d. clouds.
H. M. S. Alecto, N. 4° 25, E. 7° 00′	29.86	758 4	84	28.9		sw.			1		3		wsw.					d. clouds.
H. M. S. Boadicea, Fernando Po, W. Africa	29.84	757.9	83	28.3	96	wnw.			2		3		wnw.					d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.02	762.5	62	16.7	72	sw.			6		5		wsw.					squally.
H. M. S. Himalaya, N. 37° 30′, W. 40° 10′	30.12	765.0	65	18.3	94	ssw.			4		4		nnw.			4	ssw.	d. clouds.
H. M. S. Minotaur, N. 35° 54′, E. 22° 35′	30.00	762.0	60	15.6	82	nw.			1		8		nne.					d. clouds.
H. M. S Myrmidon, N. 37° 11′, E. 5° 39′	30.03	762.7	61	16.1	80	e.			4		1		s.			2	ene.	blue sky.
H. P. M. S. Bengo, N. 3° 54′, W. 14° 28′	29.91	759.8	84.2	29.0	71	nw.			2		5		se.	0	0			d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.85	758.2	82.4	28.0	86	nnw.			2		10		ne.	4 h'r	4 h'r	2	ne.	overcast.
S. S. British Prince, N. 44° 26′, W 39° 18′ †	29.84	757.9	57	13.9	75	ssw.			5		1		sw.	6 h'r	6 h'r	h'vy	wsw.	clear.
S. S. Scandinavian, N. 43° 02′, W. 65° 56′	29.66	753.4	29	—1.7		nw.			6		10		nw.	3 h'r	3 h'r	short	wnw.	snowing.
S. S. Sardinian, N. 43° 07′, W. 57° 03′	29.29	744.0	31	— 0.6		n.			3					12 h'r	12 h'r	mod.	sw.	snowing.
S. S. Dorian, North of Clyde, Scotland	29.74	755.4				var.					10			0	0			cloudy.
S. S. Furnessia, N. 52° 45′, W. 27° 46′ *†	29.75	755.6	47	8.3		s.			6		10		s.	1 h'r	1 h'r	mod.	wsw.	drizzling.
S. S. Galatia, N. 31° 56′, E 30° 53′*†	30.12?	765.0?	62	16.7		wsw.			1		3		wsw.	0	0		ne.	fine.
S. S. Carroll, Halifax, N. S.			8	—13.3		nw.			2		0			0	0			clear.
S. S. Laurador, N. 41° 43′, W. 59° 40′			28.4	— 2.0		nnw.			5		4		nw.	½ hr	½ hr	r'gh	w.	snowy.
S. S. Wyoming, N. 50° 16′, W. 23° 20′	29.97	761.2	49	9.4		ssw.			5		7		w.	0	0	r'gh	w.	cloudy.
S. S. Bohemia, Staten Island, N. Y						wnw.			3–4		5?		nw.	0	0	sm'h	nw.	cloudy.
S. S. Westphalia, N. 40° 57′, W. 66° 45′			25	— 3.9		n			6		8		n.	8 h'r	8 h'r	h'vy	nw.	squally.
S. S. Virginian, N. 51° 50′, W. 7° 00′			48	8.9		wnw.			2				wnw.	0	0	sm'h		fair.
S. S. Archimedes, (Br.) N. 26° 10′, W. 20° 50′	30.29	769.4				nne.			4		8		nne.	0	0	long	var.	cloudy.
S. S. Olbers, N. 12° 29′, W. 26° 02			73	22.8	74	ne.			6		8		e.			4	ne.	cloudy.
S. S. Archimede, (It.) N. 34° 54′, W. 59° 26′†	29.84	757.9	64	17.8		w.			7		7		w.	4 h'r	4 h'r	h'vy	wsw.	squally.
S. S. Picqua, Lisbon, Portugal †	29.85	758 2	55	12.8	100	ne.			4				ne.	6 h'r	6 h'r			clear.
S. S. Oregon, (Br) N. 43° 12′, W. 66° 55′			18	— 7.8		wnw.			6		10		wnw.	6 h'r	6 h'r	short	wnw.	snow squalls
S. S. Italy, N. 48° 12′, W. 28° 56′*	29.75	755.6	52	11.1	96	s.			6		10		s.	4 h'r	4 h'r	h'vy	s.	hazy.
S. S. Muriel, Antigua, W. I	30.16	766.1	78	25.6		e.			3		0			0	0	sm'h		clear.
S. S. Pennland, New York, N. Y	30.21	767.3				w.			4		0			0	0			clear.
S. S. Vaderland, N. 40° 06′, W. 44° 50′ †	29.72	754.9	65	18.3		wsw.			6		7		w.	2 h'r	2 h'r	mod.	sw.	hazy.
S. S. Waesland, N. 49° 48′, W. 14° 45′	30.01	762.2	50	10.0		nw.			6		8		nw.	6 h'r	6 h'r	r'gh	nw.	cloudy.
S. S. Amsterdam, N. 43° 33′, W. 46° 11′*	29.36	745.7	55.8	13.2	98	s.			8		10		s.	10 h'r	10 h'r	cross	var.	stormy.
S. S. P. Caland, N. 41° 14′, W. 56° 04′			50.0	10	95	var.			7–10		10		var.	8 h'r	8 h'r	6-7	var	
S. S. State of Nevada, N. 43° 59′, W. 45° 01′			52	11.1		sw.			6		10		w.	hv'y	hv'y	con.		raining.
S. S. Saxon, Boston, Mass			15	— 9.4		nnw.			1		0			0	0			fine.
S. S. Marengo, N. 39° 20′, W. 64° 40′†	29.70	754.4	35	1.7		wnw.			7		5		nw.	10 h'r	10 h'r	r'gh	nw.	
S. S. Rialto, N. 43° 29′, W. 50° 50′			41	5.0		wsw.			4		2?		w.	0	0	h'vy	w.	cloudy?
Schr. Arthur Burton, Fernandina, Fla †	30.25	768.3				ne.			2		3		ne.	0	0	sm'h		fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	30.07	763.8	78	25.6		nnw.			2		4		ene.	0	0			clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. Annie, N. 31° 06′, W. 24° 00′	.....	.....	.....	.....	.....	nw.	.....	.....	4	.....	7	.....	nnw.	0	0	long	nw.	cloudy.
Schr. Abbie H. Gheen, Jacksonville, Fla	.....	.....	.....	.....	.....	nnw.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	smoky.
Bk. Alpha, N. 46° 00′, W. 15° 05′ *†	.....	.....	.....	.....	.....	nnw.	.....	.....	7	.....	5	.....	n.	4 h'r	4 h'r	r'gh	w.	squally.
Bk Achille F., N. 3° —′, W. 41° —′ *†	30.08	764.0	50	10.0	.....	sse.	.....	.....	3	.....	9	.....	ese.	0	0	long	wnw.	cloudy.
Bk. Bore, N. 48° 19′, W. 8° 54′*†	30.45	773.4	69	20.6	70	nw.	.....	.....	5	.....	4	.....	nw.	0	0	rg'h	var.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.81	757.2	58	14.4	.....	calm	.....	.....	0	.....	10	.....	ne.	2 h'r	2 h'r	.....	.....	cloudy.
Bk. Cato, Oporto, Portugal	30.00	762.0	78	25.6	.....	wnw.	.....	.....	5	.....	.....	.....	.....	5 h'r	5 h'r	.....	.....	cloudy.
S. David Stewart, Orchilla Island, Venezuela	29.87	758.7	58	14.4	88	ene.	.....	.....	4	.....	10	.....	e.	light	light	long	n.	
Schr. Edith R. Seward, Berbice, British Guiana†	.....	.....	76	24.4	.....	calm	.....	.....	0	.....	1	.....	calm	0	0	.....	.....	clear.
U.S. Fish Com S. S. Fish Hawk, Washington, D.C†	30.07	763.8	81	27.2	.....	se.	.....	.....	1	.....	10	.....	calm	0.05	1.3	.....	.....	cloudy.
S. Frank N. Thayer, N. 29° 36′, W. 40° 40′ *†	30.35	770.9	25	— 3.9	.....	s.	.....	.....	3	.....	10	.....	s.	0	0	sm'h	.....	d. clouds.
Bg. George, N. 25° 55′, W. 64° 10′*†	30.44	773.2	70	21.1	61	nnw.	.....	.....	3	.....	2	.....	nnw.	0	0	mod.	nw.	fair.
Bk. Galeon, N. 46° 12′, W. 11° 50′	30.20	767.1	.....	.....	.....	n.	.....	.....	6	.....	3	.....	n.	5 h'r	5 h'r	.....	w.	blue sky.
S. Gatherer, N. 35° 45′, W. 48° 30′†	.....	.....	51	10.6	.....	ssw.	.....	.....	8	.....	10	.....	ssw.	0	0	.....	.....	cloudy.
Bk. Helmrich & Tonio, N. 48° 12′, W. 18° 00′ *†	29.92	760.0	67	19.4	84	nw.	.....	.....	3	.....	3	.....	nw.	5 h'r	5 h'r	high	var.	clearing.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	30.06	763.5	49	9.4	67	ne.	.....	.....	6	.....	5	.....	ne.	2 h'r	2 h'r	.....	.....	
Schr. Jennie N. Huddell, Wilmington, N. C.	.....	.....	78	25.6	.....	nne.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. John Welsh, jr., N. 25° 03′, W. 56° 20′†	.....	.....	32	0.0	.....	s.	.....	.....	6	.....	.....	.....	.....	.....	.....	mod.	se.	
Schr. John Bird, N. 23° 00′, W. 69° 11′	30.17	766.3	.....	.....	.....	ne.	.....	.....	5	.....	10	.....	ne.	0	0	long	ne.	cloudy.
Schr. Jenny Greenbank, N. 28° 38′, W. 58° 55′*†	.....	.....	.....	.....	.....	nw.	.....	.....	4	.....	10	.....	nw.	4 h'r	4 h'r	mod.	sse.	overcast.
Bg. L & W. Armstrong, N. 27° 00′, W. 52° 07′ †	30.15	765.8	66	18.9	.....	s.	.....	.....	3	.....	1	.....	s.	0	0	mod.	s.	fine.
Light-house tender Laurel, Key West, Fla †	30.24	768.1	.....	.....	.....	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Madrid, Savona, Italy†	30.25	768.3	65	18.3	.....	n	.....	.....	3	.....	1	.....	n.	0	0	.....	.....	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W.I*†	30.11?	764.8?	58	14.4	88	n.	.....	.....	5	.....	5	.....	nne.	0	0	.....	.....	fair.
Schr. Nellie T Morse, N. 26° 07′, W. 75° 09′ †	30.10	764.5	.....	.....	.....	nnw.	.....	.....	4	.....	0	.....	.....	0	0	large	nnw.	clear.
Bk. Sunbeam, N. 39° 32′, W. 14° 25′†	30.27	768.8	74	23.3	.....	nw.	.....	.....	8	.....	8	.....	nnw.	8 h'r	8 h'r	h'vy	nw.	cloudy.
S. Stephen D. Horton, Antwerp, Belgium†	30.00	762.0	58	14.4	88	ese.	.....	.....	4	.....	2	.....	s.	0	0	.....	.....	clear.
S. Tsemogora, N. 48° 20′, W. 20° 10′ *†	29.94	760.5	.....	.....	.....	w.	.....	.....	2	.....	6	.....	wsw.	0	0	long	wnw.	fair.
Bk. Tros, N. 46° 46′, W. 15° 05′ *†	30.10	764.5	.....	.....	.....	nne.	.....	.....	5	.....	4	.....	n.	2 h'r	2 h'r	long	nw.	fair.
S. Vincenzo Accame, N. 36° 20′, W. 18° 37′†	30.11	764.8	50	10.0	.....	n.	.....	.....	6	.....	5	.....	nnw.	2 h'r	2 h'r	h'vy	nnw.	fair.
	30.32	770.0	59.0	15	.....													
District No. 2—South Atlantic.																		
U. S. S. Pinta, S. 49° 37′, W. 66° 04′	29.75	755.6	53	11.7	86	e.	.....	.....	2	.....	2	.....	s.	.....	.....	long	s.	clear.
H. M. S. Amethyst, Stanley, Falkland Islands	29.61	752.1	49	9.4	78	w.	.....	.....	2	.....	9	w.	.....	.....	.....	.....	.....	misty.
H. M. S. Opal, Simons Bay, Cape Colony	29.96	761.0	66	18.9	74	se.	.....	.....	3	.....	1	sse.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	30.02	762.5	66.2	19.0	92	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Hevelius, Buenos Ayres, La Plata*†	30.10	764.5	70	21.1	.....	n.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Teniers, S. 2° 38′, W. 29° 29′	30.00	762.0	84.0	28.9	78	ese.	.....	.....	3	.....	2 k	.....	nne.	0	0	3	nne.	blue sky.
S. S. Strassburg, S. 4° 25′, W. 32° 47′	30.07	763.8	82.5	28.1	77	se.	.....	.....	1–2	.....	5	.....	se.	0	0	2	se.	fair.
S. S. George S. Homer, S. 1° 39′, W. 36° 46′*†	29.95	760.7	.....	.....	.....	calm	.....	.....	0	.....	2	.....	ne.;w.	0	0	mod.	ne.	fine.
S. Grecian, S. 10° 31′, W. 30° 48′ †	30.06	763.5	80	26.7	82	ene.	.....	.....	5	.....	5	.....	ne.	rain	rain	long	n.	fine.
S. Henry Failing, S. 6° 36′, W. 29° 58′*†	29.95	760.7	88	31.1	76	e.	.....	.....	1	.....	5	.....	.....	0	0	long	ne.	fair.
Bk. Horace Scudder, Loango, Guinea*†	30.10	764.5	84	28.9	.....	ssw.	.....	.....	4	.....	5	.....	ssw.	0	0	.....	sw.	fair.
S. Ismir, S. 42° 16′, W. 33° 45′ *†	29.90	759.4	.....	.....	.....	calm	.....	.....	0	.....	10	.....	ssw.	0	0	.....	sw.	foggy.
Bkt. Levanter, Montevideo, Uruguay *	30.04	763.0	71	21.7	.....	nnw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Mendoza, S. 34° 46′, W. 13° 45 †	29.95	760.7	.....	.....	.....	ssw.	.....	.....	4	.....	.....	.....	s.	0	0	mod.	ne.	overcast.
U. S. S. Nipsic, Punta Lara, La Plata*	30.00	762.0	69	20.6	80	ne	.....	.....	2	.....	1	.....	n.	.....	.....	.....	.....	clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.90?	759.4?	37	2.8	46	nnw.	.....	.....	6	.....	0	.....	.....	0.03	0.8	.....	.....	clear.
U. S. S. Essex, Hong Kong, China	30.06	763.5	63	17.2	78	ene.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S Juniata, Roze Island, Corea	30.24	768.1	41	5.0	83	w.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, Tientsin, China	30.15	765.8	37	2.8	90	se.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Ranger, Estero Real, Nicaragua	30.06	763.5	77	25.0	77	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
H. M. S. Audacious, Hong Kong, China	30.08	764.0	62	16.7	83	ne.	.....	.....	2	.....	10	ne.	.....	.....	.....	.....	.....	overcast.
H. M. S. Cleopatra, N. 22° 16′, E. 114° 10′	30.09	764.3	61.5	16.4	.....	ene.	.....	.....	2	.....	9	ene.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Champion, Shanghai, China	30.28	769.1	45	7.2	84	e.	.....	.....	1	.....	7	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.22	767.6	48	8.9	87	n.	.....	.....	3–5	.....	10	.....	.....	.....	.....	4	.....	raining.
H. M. S. Magpie, N. 5° 33′, E. 100° 14′	29.82	757.4	84.0	28.9	71	nw.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	misty.
H. P. M. S. Tamega, Macao, China	30.01	762.3	64.4	18	90	nw.	.....	.....	4	.....	3	.....	.....	0	0	.....	.....	blue sky.
U. S. S. Monocacy, Canton, China	30.07	763.8	57	13.9	75	n.	.....	.....	2	.....	10	.....	n.	.....	.....	.....	.....	hazy.
S. S. City of Chester, San Francisco, Calf	29.73	755.1	56	13.3	94	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	
S. S. Columbia, N. 43° 28′, W. 124° 30′ *†	29.71	754.6	45	7.2	92	n.	.....	.....	1	.....	10	.....	calm	.....	.....	sm'h	.....	cloudy.
S. S. Oregon, Portland, Oregon†	29.74	755.4	47	8.3	92	calm	.....	.....	0	.....	10	.....	s.	.....	.....	.....	.....	cloudy.
S. S. Willamette, Puget Sound, Wash. Ter†	29.73	755.1	42	5.6	91	sse.	.....	.....	1	.....	10	.....	s.	0	0	sm'h	.....	overcast.
S. S. Alameda, N. 27° 52′, W. 145° 04′†	29.89	759.2	68	20.0	100	nw.	.....	.....	6	.....	3	.....	nw.	rain	rain	r'gh	wnw.	clear.
S. S. Ancon, San Francisco, Calf	29.73	755.1	57	13.9	87	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. State of California, San Francisco, Cal†	29.73	755.1	55	12.8	100	n.	.....	.....	1	.....	6	.....	.....	.....	.....	.....	.....	fair.
S. S. City of Pekin, N. 30° 00′, W. 174° 45′†	29.99	761.7	60	15.6	82	nw.	.....	.....	6	.....	5	.....	n.	0	0	r'gh	nw.	fair.
S. S. City of Rio de Janeiro, N. 32° 08′, E. 156° 34′†	29.65	753.1	65	18.3	.....	ssw.	.....	.....	6	.....	.....	.....	ssw.	.....	.....	large	sw.	raining.
S. S. City of Tokio, N. 23° 28′, E. 118° 36′ †	30.13	765.3	57	13.9	81	ne.	.....	.....	5	.....	8	.....	ne.	.....	.....	mod.	ne.	cloudy.
S. S. Colima, Punta Arenas, Costa Rica†	29.93	760.2	79	26.1	74	se.	.....	.....	3	.....	3	.....	calm	0	0	.....	.....	clear.
S. S. Granada, N. 28° 48′, W. 116° 08′†	29.86	758.4	63	17.2	78	se.	.....	.....	2	.....	10	.....	.....	0	0	light	se.	foggy.
S. S. San Jose, Panama, Panama	.....	.....	75	23.9	90	n.	.....	.....	5	.....	3	.....	nne.	0	0	small	n.	fine.
S. S. Benalder, Yokahama, Japan	29.97	761.2	46	7.8	54	n	.....	.....	3	.....	0	.....	.....	3 h'r	3 h'r	sm'h	.....	clear.
S. St. Francis, N. 38° 40′, W. 128° 30′	.....	.....	51	10.6	65	ene.	.....	.....	5	.....	8	.....	n.	0	0	mod.	w.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Wachusetts, Arica, Peru	29.99	761.7	67	19.4	89	e.	.....	.....	1	.....	2	.....	calm	.....	.....	long	sw.	fair.
H. M. S. Espiegle, S. 41° 17′, E. 174° 48′	29.72	754.9	60	15.6	76	nne.	.....	.....	4–6	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	29.97	761 2	62.3	16.8	81	sw.	.....	.....	1	.....	8	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.93	760.2	73	22.8	90	ne.	.....	.....	1	.....	8	s.	.....	.....	.....	.....	.....	misty.
S. S City of Sydney, S. 12° 23′, W. 170° 00′*†	29.89	759.2	80	26.7	78	sse	.....	.....	4	8 c	n.	se.	.....	.....	.....	mod.	e.	cloudy.
S. S. Zealandia, S. 35° 57′, E. 179° 59′	29.98	761.5	67	19.4	84	sw.	.....	.....	6	.....	0	.....	.....	.....	.....	mod.	s.	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Suez, Egypt	30.08	764.0	73	22.8	46	n.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Tourmaline, S. 12° 05′, E. 49° 25′	29.83	757.7	85	29.4	96	sw.	.....	.....	3	.....	3	.....	.....	.....	.....	sm'h	.....	blue sky.
S. Orealia, S. 40° 50′, E. 55° 44′*	29.45	748.0	.....	.....	.....	nw.	.....	.....	6	.....	5	.....	nw.	6 h'r	6 h'r	r'gh	nw.	showery.

International Chart I. March 4, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 5, 1884

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.84	758.0	57.6	14.2	96	sw.	.....	.....	8	.....	10	.....	.....	0.063	1.6	covered	Roziere.
Algiers	.....	.....	29.89	759.2	59.0	15.0	89	sw.	.....	.....	8	.....	10	.....	.....	inap.	inap.	covered.....	Thève.
La Calle	.....	.....	29.95	760.6	58.6	14.8	74	sse.	.....	.....	4	.....	5	.....	.....	0.453	11.5	cloudy.....	Fonfrède.
Tunis	.....	.....	30.00	762.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.03	762.7	46.8	8.2	83	ne.	.....	.....	4	.....	5	.....	.....	0.331	8.4	cloudy.....	Forfert.
Laghouat	.....	.....	30.05	763.3	66.9	19.4	.....	calm	.....	.....	0	.....	10	.....	.....	1.189	30.2	covered.....	Abraham.
Biskra	.....	.....	29.97	761.2	57.9	14.4	87	w.	.....	.....	1	.....	10	.....	.....	0.677	17.2	covered.....	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.10	764.5	72.0	22.2	37	calm	0	0	.....	.....	0	.....	.....	0	0	clear.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.23	767.8	30.42	772.7	51	10.6	87	calm	0	0	.....	.....	0	.....	.....	0	0	clear.....	Com. J. Shortt, R.N.
Melbourne, Victoria	30.10	764.5	30.19	766.8	61.4	16.3	72	se.	3	1.3	.....	.....	2	.....	.....	0	0	fine.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.67	753.7	30.24	768.1	46.4	8.0	48	e.	.....	.....	2	.....	5	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.50	749 2	30.30	769.7	33.4	0.8	71	ene.	11.9	5.3	.....	.....	0	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.33	744.9	30.24	768.1	38.5	3.6	46	n.	.....	.....	2	.....	0	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.96	735.5	30.26	768.6	38.1	3.4	81	ne.	.....	.....	2	.....	10	.....	.....	0.102	2.6	.....	Andreas Rospini.
Hermannstadt	28.77	730 7	30.27	768.9	33.3	0.7	87	ese.	.....	.....	2	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.7?	730.6	30.15	765.9	40.1	4.5	89	sse.	.....	.....	1	.....	3	.....	.....	0	0	.....	The Staff.
Lemberg	29.32	744.7	30.37	771.5	28.4	— 2.0	68	e.	.....	.....	1	.....	9	.....	.....	0.028	0.7	.....	Dr. T. Stanecki.
Pola	30.02	762.6	30.14	765.5	51.8	11.0	70	wnw.	.....	.....	3	.....	7	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.74	755.4	30.23	767.8	36.0	2.2	72	se.	.....	.....	2	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.97	761.1	30.26	768.5	37.6	3.1	71	s.	.....	.....	1	.....	10	.....	.....	0.024	0.6	.....	Karl Stancel.
Trieste	30.08	764.0	30.18	766.5	48.4	9.1	46	ne.	.....	.....	3	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.50	749.2	30.24	768.1	41.7	5.4	68	se.	.....	.....	3	.....	5	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.68	728.5	30.10	764.6	42.8	6.0	90	sw.	.....	.....	1	.....	3	.....	.....	.....	.....	raining	
Brussels	29.94	760.5	30.15	765.7	46.6	8 1	70	w.	.....	.....	2	.....	10	sw.	nnw.	0	0	.....	
Furnes	30.10	764.6	30.12	765.1	51.3	10.7	66	w	.....	.....	1	.....	0	.....	.....	0	0	.....	
Maeseyck	30.00	762.1	30.13	765.3	47.3	8.5	74	wnw.	.....	.....	1	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.75	755.6	29.85	758.2	45.6	7.6	62	wnw.	30	13.4	.....	.....	3	.....	.....	0	0	blue sky.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.08	764.0	45.0	7.2	84	w	33	14.8	.....	.....	2	.....	.....	.....	.....	blue sky.....	John Hartnup.
Bolton, Sharples	29.53	750.0	30.07	763.8	42.9	6.1	83	w.	18	8.0	.....	.....	8	.....	.....	.....	.....	d. clouds.....	Thomas Mackereth.
Bradford, Yorkshire	29.03?	737.3?	29.42?	747.3?	44.9	7.2	76	w.	.....	.....	2	.....	8	.....	.....	0.70	17.8	d. clouds.....	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.07	763.8	30.10	764.5	79	26.1	86	ne.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds.....	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	45.0	7.2	70	w.	.....	.....	1.0	.....	4	.....	.....	.....	.....	d. clouds.....	John McLaren.
Chatham, School M. E	29.97	761.2	30.14	765.5	47.1	8.4	66	w.	.....	.....	1	.....	8	.....	.....	blank	blank	gloomy.....	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	30.02	762.5	30.25	768.3	48.3	9.1	67	wnw.	.....	.....	2	.....	9	.....	.....	.....	.....	d. clouds.....	The Staff.
Fort Napier, Natal	27.64	702 0	29.95	760.7	72.0	22.2	60	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	30.01	762.2	30.05	763.3	46	7.8	81	sw.	.....	.....	1	.....	7	.....	.....	0	0	gloomy.....	Wm. Ryan.
Gibraltar, Mediterranean	29.84	757 9	29.93	760.2	58.4	14.7	94	se.	.....	.....	4	.....	10	.....	.....	.....	.....	gloomy.....	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.97	761.2	30.14	765.5	48.6	9.2	57	wnw.	.....	.....	4	.....	6	.....	.....	.....	.....	d. clouds.....	The Staff.
Guernsey	29.95	760.7	30.26	768.6	50.0	10.0	72	wnw.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky.....	A. Collenette, F.R.M.S
Kew, Observatory	30.12	765.0	30.16	766.1	47.2	8.4	59	wnw	13	5.8	.....	.....	6	.....	.....	.....	.....	d. clouds.....	The Staff.
Leicester, Museum	29.81	757.2	30.07	763.8	50.0	10.0	88	wnw.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds.....	J. C. Smith.
Malta, Mediterranean	29.76	755.9	29.84	757.9	58 2	14.6	65	ne.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.26	768.6	30.31	769.9	71.2	21.8	65	e.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.91	759.7	30.14	765.5	47.7	8.7	72	w.	.....	.....	4	.....	6	.....	.....	.....	.....	d. clouds.....	The Staff.
Plymouth	30.14	765.5	30.21	767.3	48.0	8.9	81	wnw.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds.....	John Merrifield.
Sandwick Manse, Orkneys	29.72	754 9	29.82	757.4	44.3	6.8	86	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	blue sky.....	Rev. G. Clouston, L.L.D
Scutari Cemetery, Turkey	30.06	763.5	30.12	765.0	41.0	5 0	87	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	raining.....	W. H. Lyne.
Sheffield	29.78	756.4	30.06	763 5	47.6	8.7	70	wnw.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds.....	W. F. Cooper.
Silloth Rectory	29.98	761 5	30.01	762.2	45.4	7.4	83	w.	.....	.....	2	.....	4	.....	.....	0.025	0.6	d. clouds.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.07	763.8	43.4	6.3	79	w	19	8.5	.....	.....	10	.....	.....	0.095	2.4	overcast.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	50.5	10.3	70	nw.	.....	.....	2.0	.....	4	.....	.....	.....	.....	d. clouds.....	Rev. G. H. Griffiths, F.M.S
Valencia, Observatory	30.16	766.1	30.19	766.8	49.6	9.8	80	sw.	13	5.8	.....	.....	10	.....	.....	blank	blank	d. clouds.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.60	751.8	29.99	761.7	57.2	14.0	76	e.	9.3	4.2	.....	.....	10 n	.....	e.	0	0	cloudy.....	Rev Jos. Micali, S.J.
Hong Kong Obs'y, China	29.86	758.4	29.98	761.5	59.7	15.4	93	e.	25	11.2	.....	.....	10 n	.....	e.	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	30.21	767.3	30.25	768.3	— 4.0	—20.0	.....	sw.	5	2.2	.....	0	3 n	.....	.....	0	0	d. clouds.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.17	766 3	30.21	767.3	— 2	—18.9	78	w.	12	5.4	.....	0	0	.....	.....	inap	inap.	clear.....	H. J. Cundall, C. E
Chatham, N. B*	30.20	767.1	30.27	768 8	— 9	—22.8	100	w.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	G. A. Blair.
Cornwall, Ontario	30.01	762.2	30.22	767.6	—1.0	—18.3	100	w.	.....	.....	1	0	9 s	.....	.....	0	0	d. clouds.....	Jas. Smith, M. A.
Dalhousie, N. B	30 16	766 1	30.21	767.3	—8.0	—22.2	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	H. A. Johnson.
Father Point, Quebec*	30.18	766.6	30.21	767.3	—16	—26.7	69	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	J. McWilliams
Fort Garry, Manitoba*	29 25	742.9	30.25	768 3	—28	—33.3	100	w.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	James Stewart.
Fredericton, N. B	30.29	769.4	30.37	771.4	—9.9	—23.3	100	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	Dr. Thos. Harrison.
Grand Manan, N. B	30.33	770.4	30.39	771.9	5	—15.0	87	nw.	10	4.5	.....	5 k	0	.....	.....	0	0	blue sky.....	J. Chipman Seeley
Granton, Ontario	28.97	735.8	30.20	767.1	—3.7	—15.7	95	calm	0	0	.....	1 c	0	W.	.....	0	0	fair.....	Jas. Grant.
Halifax, N. S*	30.18	766.6	30.33	770.4	1	—17.2	96	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	A. Allison.
Hamilton, Ontario	29.68	753.9	30.12	765.0	18.2	— 7.7	84	sw.	.....	.....	1	4 ck	0	sw.	.....	0	0	hazy	Geo. Dickson, B. A
Kingston, Ontario*	29.88	758.9	30.25	768.3	10	—12.2	87	se.	2	0.9	.....	.....	10 k	.....	s.	inap.	inap.	cloudy.....	A. P. Knight, M. A.
Little Glace Bay, N. S	30.09	764.3	30.13	765.3	5.2	—14.9	95	nw.	4	1.8	.....	4 k	0	.....	.....	0	0	fair.....	C. H. Rigby.
London, Ontario	29.18	741 2	30.19	766.8	3.0	—16.1	67	calm	.....	.....	0	5 k	0	.....	.....	0	0	d. clouds.....	E. B. Reed.
Medicine Hat, N. W. T	27.83	706.9	30.44	773.2	—14	—25.6	86	nw.	2	0.9	.....	0	0	.....	.....	0.02	0.5	clear.....	John Ewart.
Minnedosa, N. W. T	28.02	711 7	30.30	769.6	—25	—31.7	100	nw.	7	3.1	.....	0	5 s	.....	nw.	0	0	fair.....	Rev. J. M. Wellwood
Montreal, Quebec*	30.04	763 0	30.27	768.8	3	—16.1	63	w.	15	6.7	.....	hz	2 s	.....	.....	0	0	fair	C. H. McLeod, C. E.
Ottawa, Ontario	30.00	762.0	30.26	768.6	—2.0	—18.9	95	wsw.	.....	.....	.....	0	8 ks	.....	.....	0	0	d. clouds.....	A. McGill, M. A.
Parry Sound, Ontario*	29.39	746.5	30.18	766.6	— 8	—22.2	61	se	6	2 7	.....	5 k	5 k	ne.	ne.	0	0	cloudy.....	Rev. R. Mosley.
Peterboro, Ontario	29.39	746.5	30.23	767.8	—1.8	—18.8	69	w.	.....	.....	1	3 c	0	W.	.....	0	0	blue sky.....	Wm. O'Connor, M.A.
Port Arthur	29.35	745.5	30.14	765.5	— 7	—21.7	58	w.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.42	747.3	30.17	766.3	14	—10.0	82	s.	5	2.2	.....	5 ck	0	W.	.....	0	0	fair.....	H. Morgan.
Port Stanley, Ontario	29.46	748.3	30.17	766.3	8	—13.3	100	e.	0	2.7	.....	8 ck	0	W.	.....	0	0	cloudy.....	M. Payne.
Qu Appelle, N. W. T	27.71	703.8	30.35	770.9	—20	—28.9	.....	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	Leslie Gordon.
Quebec, Quebec*	29.86	758.4	30.27	768.8	—12	—24.4	74	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	Capt. Asne, R. N.
Rockliffe, Ontario*	29.68	753.9	30.20	767.1	— 9	—22.8	78	se.	2	0.9	.....	0	8 s	.....	W.	0	0	cloudy.....	W. H. McIntyre.
St. Andrews, N. B	30.31	769.9	30.36	771.1	2	—16.7	94	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	
St. John, N. B	30.21	767.3	30.37	771.4	—0.5	—18.1	83	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.84	758.0	14.4	— 9.8	.....	nw.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	The Communiant.
Saugeen, Ontario*	29.37	746.0	30.16	766.1	7	—13.9	96	s.	9	4.0	.....	2 c	0	.....	.....	0	0	cloudy	
Stratford, Ontario	28.78	731.0	30.22	767.6	0.3	—17.6	58	calm	0	0	.....	.....	.....	.....	.....	0	0	blue sky.....	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
Canadian.—Continued.																			
Sydney, C. B*	30.02	762.5	30.09	764.3	4	—15.6	91	W.	22	9.8	.....	0	2 ks	.....	.....	0	0	clear	**T. C. Hill, C.E.**
Toronto, Ontario*	29.78	756 4	30.20	767.1	11	—11.7	83	W.	3	1.3	.....	hz	5 ks	.....	sw.	0	0	cloudy	**Magnetic Observatory.**
Woodstock, Ontario	29.03	737.3	30.23	767.8	1.2	—17.1	80	s.	2	0.9	.....	0	5 s	.....	.....	0	0	d. clouds	**Prof. N Wolverton, M.A.**
Yarmouth, N.S*	30.30	769.6	30.37	771.4	10	—12.2	58	n.	16	7.2	.....	0	5 k	.....	n.	0	0	fair	**Lt. F. E. Wilmot, R. N.**
Cape Colony.																			
Cape St. Francis Lt. House	30.07	763.8	30.10	764.5	69.5	20.8	90	sw.	.....	.....	.....	0	7 n	.....	.....	0.020	0.5	cloudy	**I. Garfelt.**
Cape Town, The Castle	29.76	755.9	.....	.....	77.0	25.0	40	se.	.....	.....	.....	1 c	0	.....	.....	0	0	.....	**Capt. R. Gardner Warton**
Springbok Fontein	27.91	708.9	.....	.....	87	30.6	47	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	**J. T. Eustace**
Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	29.51	749.6	29.62	752.3	55.4	13.0	93	W.	.....	.....	2	.....	8	.....	W.	0.079	2.0	misty	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	58.3	14.6	84	W.	.....	.....	1	.....	10 n	.....	W.	0	0	cloudy	**Leon Herrera.**
Valparaiso	29.85	758.2	29.99	761.8	61.2	16.2	94	se.	.....	.....	1	.....	10	.....	.....	.....	.....	cloudy	**Paez-I-Ampuero.**
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.06	763.6	30.09	764 2	44.8	7.1	66	e.	5.1	2.3	.....	6 c	.....	.....	.....	0	0	very cloudy	**M. Marc Dechevrens, S. J**
Danish.																			
Copenhagen	30.19	766 7	30.23	767.9	37.2	2.9	69	sse.	31	14.	.....	.....	0	.....	.....	.....	.....	.....	**Oversergent Fischer.**
Fanöe	30.00	761.9	30.02	762.4	40.8	4.9	81	sse.	.....	.....	6	.....	10	.....	.....	.....	.....	.....	**Overloerer Lauridsen.**
Godthaab, Greenland	28.64	728.2	28 71	729.3	20.8	— 6.2	100	nnw.	.....	.....	2	.....	9	.....	.....	.....	.....	.....	**S. Kleinschmidt.**
Ivigtut, Gree land	28 57	725.7	28.59	726.2	33.4	0.8	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....
Stykkisholm, Iceland	29.47	748.4	29.51	749.5	32.7	0.4	90	s.	.....	.....	6	.....	5	.....	.....	.....	.....	.....	**A. O. Thorlacius.**
Thorshavn	29.66	753.3	29.68	753.9	44.1	6.7	82	sw.	20	9	.....	.....	4	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	29.18	741.1	29.22	742.3	—20.4	—29.1	.....	e.	.....	.....	2	.....	6	.....	.....	.....	.....	.....	.....
Vestervig	29.91	759.8	30.00	762 1	39.7	4.3	82	ese.	.....	.....	7	.....	10	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
Egyptian.																			
Cairo	29.80	756.8	.....	.....	77.9	25.5	.....	sw.	5.8	2.6	.....	.....	4 k	.....	.....	0	0	.....	**Albert Ismaiun, Dir.**
French.																			
Agen, Normal School	29.56	750.8	30.22	767.6	46.8	8.2	97	nne.	.....	.....	1	.....	10	.....	.....	0	0	foggy	**M. Labroue, Director.**
Alençon, Normal School	29.68	753.9	30.23	767 9	47.8	8.8	61	n.	.....	.....	1	.....	k	.....	s.	0	0	.....	**M. Nicot, Director.**
Arras, Normal School	29.88	758.9	30.12	765.1	49.6	9.8	66	e.	.....	.....	2	.....	1	.....	n.	0	0	clear	**M. Ungerer, Director.**
Avignon, Normal School	30.07	763.7	30.15	765.7	59.0	15.	48	n.	.....	.....	1	.....	.....	.....	.....	0	0	misty	**M. Giraud, Director.**
Bar-sur-Seine	29.61	752.1	30.18	766 6	43.5	6.5	88	ne.	.....	.....	2	.....	10	.....	sw.	0.047	1.2	covered	**M. Saillard, Director.**
Beauvais, Normal School	29.92	759.9	30.19	766.8	50.0	10	51	w.	.....	.....	1	.....	8	.....	nw.	0	0	very cloudy	**M. Frère Eugène Marie.**
Besançon, Normal School	29.20	741.6	30.10	764.6	50.9	10.5	72	e.	.....	.....	1	.....	kn	.....	s.	0	0	.....	**M. Gobin, Director.**
Bordeaux, Observatory	29.93	760.1	30.19	766.9	52.3	11.3	60	n.	.....	.....	2	.....	8	.....	nne.	0	0	very cloudy	**M. Rayet, Director.**
Bourges, Normal School	29.64	752.9	30.21	767.2	47.1	8.4	92	n.	.....	.....	1	.....	5	.....	.....	0.067	1.7	cloudy	**M. Sauvageot, Director.**
Brest, Naval Observatory	30.06	763.5	30.30	769.7	54.3	12.4	72	wnw.	.....	.....	1	.....	4	.....	wnw.	0.012	0.3	.....	**M. de Kermarrec, Dir.**
Caen, Normal School	30.16	766.0	30.23	767.9	51.4	10.8	93	nnw.	.....	.....	1	.....	2	.....	ssw.	0.04	1.	slightly cl'dy	**M. Berson, Director.**
Châlons-sur-Marne, N.Sch'l	29.89	759.1	30.21	767.4	46.6	8.1	89	ssw.	.....	.....	1	.....	5	.....	nw.	0.051	1.3	cloudy	**M. Jadot, Director.**
Charleville, Normal School	29.62	752 4	30.14	765.6	49.6	9.8	48	nw.	.....	.....	2	.....	8	.....	.....	.....	.....	sprinkling	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.76	730 6	30.13	765.4	51.1	10.6	54	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	**M. Alluard, Director.**
Cluny, Normal School	29.30	744.1	30.2:	767.3	51.3	10.7	62	s.	.....	.....	1	.....	8	.....	.....	0	0	very cloudy	**M. de Villemontée, Dir.**
Commercy, Normal School	29.28	743.6	30.16	766.1	44.6	7	86	nw.	.....	.....	4	.....	10	.....	.....	0	0	covered	**Dr. Coulet, Director.**
Gap, Normal School	27 54	699.4	30.08	764.1	51.8	11.	52	calm	.....	.....	0	.....	7 kn	.....	.....	0	0	.....	**M. Jarach, Director.**
Grèasque, du Rhone	28 97	735 8	30.09	764 3	56.7	13.7	52	n.	.....	.....	1	.....	9	.....	s.	0	0	.....	**M. Kina, Director.**
Grenoble, Normal School	29.33	744.9	30.10	764.4	55.4	13	66	ene.	.....	.....	1	ck	n	.....	ne.	0	0	.....	**M. Ablard, Director.**
Guéret, Normal School	28.56	725.5	30.19	766 9	41.0	5	84	wnw.	.....	.....	1	.....	10	.....	sw.	0.098	2.5	raining	**M. Delorme, Dir.**
Lamballe Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**M. Polipre, Dir.**
Lescar, Normal School	29.61	752 0	30.18	766.5	50.4	10.2	74	wnw.	.....	.....	4	.....	kn	.....	.....	0	0	.....	**M. Chauvin, Director.**
Lorient, Naval Observatory	30.20	767.1	30.30	769.7	56.1	13.4	55	wnw.	.....	.....	2	.....	5	sw.	e.	0	0	½ covered	**L. T. Carre, Director.**
Lyon, St. Genis-Laval	29.07	738.3	30.13	765.3	54.3	12.4	54	n.	.....	.....	2	.....	8 cn	.....	w.	0	0	very cloudy	**M. André, Director.**
Mans, Normal School	29.93	760.3	30.25	768.3	49.8	9.9	86	ene.	.....	.....	1	.....	5 k	.....	n.	0	0	cloudy	**M. Richard, Director**
Marseille, Observatory	29.82	757.3	30.09	764 2	59.0	15.0	53	sw.	.....	.....	0–1	.....	6	.....	ene.	0	0	.....	**M. Stephan, Director.**
Montlouis	24.83	630.7	29.67	753.7	37.4	3.0	80	ne.	5.6	2.5	.....	.....	9	e	.....	0	0	.....	**M Cave for Dr. Fines.**
Montpellier, Normal School	29.98	761.6	30.10	764.4	56.5	13.6	78	sw.	.....	.....	2	.....	0	.....	.....	0	0	clear	**M. Galzin, Director.**
Nancy, Normal School	29.33	745 0	30.12	765.0	50.7	10.4	65	nw.	.....	.....	1	.....	kn	.....	sw.	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	30.13	765.2	30.29	769.3	51.4	10.8	58	n.	.....	.....	1–2	.....	7k;kn	.....	n.	0.008	0.2	.....	**M. Larocque, Director.**
Perpignan, Observatory	30.04	762.9	30.15	765.8	52.3	11.3	86	ne.	9.4	4.2	.....	.....	10	.....	nne.	0	0	.....	**Dr. Fines, Director.**
Pic-du-Midi, Summit	21.16	537.5	.....	.....	23.5	— 4.7	.....	ne.	.....	.....	1	.....	.....	.....	ne.	0	0	foggy	**M. Vaussenat, Director.**
Privas, Normal School	29.04	737 5	30.10	764.5	59.0	15.0	31	n.	.....	.....	1	.....	5	n.	n.	0	0	cloudy	**M. Tailleu.**
Puy de Dôme Obs'y, Summit	25 20	640 0	.....	.....	32.7	0.4	100	w.	.....	.....	2	.....	10	.....	.....	0	0	foggy	**M Alluard.**
Rochefort, Naval Obs'y	30.20	767.0	30.23	767.8	58.6	14.8	58	calm	.....	.....	0	.....	0	.....	.....	0	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	30.03	762.7	30.24	768.2	52.0	11.1	61	n.	.....	.....	1	.....	.....	.....	n.	0	0	.....	**M. Brotlier, Director.**
Rodez, Normal School	28.00	711.1	30.17	766.2	50.0	10.	74	.....	.....	.....	.....	.....	k	.....	.....	0	0	clear	**M. Seger, Director.**
Rouen, Normal School	30.17	766.2	30.21	767.4	49.6	9.8	66	nw	.....	.....	3	.....	5	.....	w.	0	0	cloudy	**M. Moullot, Dir.**
Saint Maur, Observatory	30.03	762.8	30.20	767.0	51.6	10.9	62	nw.	.....	.....	1	.....	8	nw.	sw.	0.008	0.2	.....	**M. Renou, Director.**
Toulouse, Observatory	29.44	747.7	30.16	766.1	52.7	11.5	88	sw.	.....	.....	1	.....	10	w.	.....	0	0	covered	**M. Baillaud, Director.**
Tours	30.03	762.8	30.21	767.4	53.2	11.8	57	nne.	.....	.....	1	.....	.....	sw.	n.	0	0	.....	**M. de Tastes.**
Versailles, Observatory	29.70	754.3	30.19	766.8	50.0	10.0	52	n.	.....	.....	2	.....	5	.....	.....	0	0	cloudy	**Dr. A. Berigny, Director.**
Sub-series.																			
St. Martin du Hinx	30.06	763.4	30.21	767.2	52.3	11.3	68	n.	11.9	5.3	.....	.....	10 k;kn	n.	.....	0	0	covered	**M. Cartier, Director.**
German.																			
Ansbach	28.67	728.3	30.17	766 4	38.8	3.8	70	se.	.....	.....	2	.....	9	se.	.....	0	0	.....	**Prof. Juedt.**
Bamberg	29.26	743.3	30.11	764.8	45.1	7.3	40	se.	.....	.....	2	.....	4 ks	.....	e.	0	0	.....	**Prof. Dr. Hoh.**
Berlin	30.05	763 2	30.20	767.0	43.7	6.5	57	se.	.....	.....	3	.....	0	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.76	755.9	30.30	769 5	36.3	2.4	57	e.	.....	.....	3	.....	0	.....	.....	0	0	.....	**Royal University Obs'y**
Carlsruhe	29.66	753 3	30.13	765.2	48.6	9 2	63	e.	.....	.....	1	.....	9	ne.	.....	0.504	12.8	.....	**Albert Senz.**
Cassel	29.38	746.2	30.09	764.3	47.5	8.6	66	sw.	.....	.....	2	.....	5	w.	.....	0.268	6.8	.....	**Dr. H. Möhl.**
Frankfort-on-the-Main	29.76	756.0	30.14	765.5	46.0	7.8	69	ese.	.....	.....	1	.....	7	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.71	729.2	30.17	766.2	42.1	5.6	83	sw.	.....	.....	2	.....	8	w.	.....	0.532	13.5	.....	**Wilhelm, Chief Tel.**
Hamburg	30.03	762.7	30.12	765 0	42.6	5.9	78	sse.	.....	.....	4	.....	8	.....	.....	0	0	.....	**E. Preller.**
Kiel	30.09	764.2	30.10	764.6	42.4	5.8	74	ese.	.....	.....	2	.....	10	.....	.....	0	0	.....	**Prof. Dr. G. Karsten.**
Leipsic, Astron'l Obs'y	29.76	755 8	30.15	765 8	46.4	8.0	67	se.	.....	.....	2	.....	2	.....	.....	0	0	.....	**H. Leppig, Asst.**
Magdeburg	29.95	760.6	30.14	765.5	46.4	8.0	63	se.	.....	.....	2	.....	7	n.	.....	0	0	.....	**Weather Observatory.**
Memel	30.48	774.3	30.53	775.5	34.5	1.4	71	ese.	.....	.....	3	.....	0	.....	.....	.....	.....	clear	**Issermann.**
Munich	28.28	718.3	30.15	765 8	43.7	6.5	66	calm	.....	.....	0	.....	4	nw.	.....	0	0	.....	**Central Station.**
Neufahrwasser	30.43	772.9	30.45	773.3	37.2	2.9	61	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	**A. Lothes.**
Neustadt, Palatinate	29.56	750.8	30.09	764 2	45.1	7.3	74	ne.	.....	.....	1	.....	4	nw.	.....	0.142	3.6	light rain	**Prof. Dickn ether.**
Stuttgart	29.15	740 5	30.06	763.6	48.7	9.3	63	n.	.....	.....	1	.....	10	.....	.....	0.228	5.8	.....	**Prof. Dr. Schoder.**
Wustrow	30.19	766.8	30.21	767.4	36.7	2.6	75	se.	.....	.....	3	.....	0	.....	.....	0	0	.....	**Profs. Brandes & Kelmer**
Greek.																			
Athens	29.68	753 8	30.07	763.8	51.3	10.7	.....	n.	.....	.....	3.5	3	0	.....	.....	0	0	.....	**Kokkides & Wourlisch.**
Indian.																			
Kurrachee	29.86	758.5	29.91	759.8	75.5	24.2	48	wsw.	24.0	10.7	.....	.....	3	.....	.....	0	0	d. clouds	.....
Deesa	29.39	746.4	29.86	758.4	86.0	30.0	11	W.	8.0	3.6	.....	.....	0	.....	.....	0	0	blue sky	.....
Bombay	29.83	757.7	29.87	758.6	79.9	26.6	70	nw.	20.0	8.9	.....	.....	0	.....	.....	0	0	blue sky	.....
Poona, Yarrowda	27.97	710.5	29.79	756.7	88.8	31.6	22	wnw.	11.0	4.9	.....	.....	4	.....	.....	0	0	d. clouds	.....
Belgaum	27.30	693.3	29.82	757.3	79.0	26.1	65	wsw.	8.0	3.6	.....	.....	5	sw.	n.	0.01	0.3	d. clouds	.....
Lahore	29.18	741.0	29.94	760.4	69.7	20.9	53	nw.	4.0	1.8	.....	.....	3	.....	.....	0	0	d. clouds	.....
Roorkee	28.93	734 9	29.84	757 9	76.7	24.8	25	W.	3.0	1.3	.....	.....	0	.....	.....	0.11	2.8	blue sky	.....
Agra	29.32	744.7	29.88	759.1	80.7	27.1	20	W.	6.0	2.7	.....	.....	1	.....	W.	0	0	d. clouds	.....
Nagpur	28.76	730 5	29.78	756.5	89.7	32.1	29	calm	1.0	0.4	.....	.....	4	W.	.....	0	0	d. clouds	.....

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
INDIAN.—Continued.																			
Jubbulpore	28.47	723.2	29.82	757.3	84.5	29.7	28	w.	2.0	0.9			9		nw.	0	0	overcast	
Lucknow	29.43	747.5	29.80	757.0	81.2	27.3	31	calm	0	0			5	nne.		0.11	2.8		
Allahabad	29.48	748.8	29.79	756.7	84.7	29.3	29	n.	2.0	0.9			3	W.		0	0	d. clouds	
Patna	29.60	751.7	29.78	756 4	83.4	28.6	35	nnw.	3.5	1.6			2	nnw.	nnw.	0	0		
Hazaribagh	27.77	705 4	29.77	756.2	79.5	26.4	29	w.	4.0	1.8			6	w.		0	0	d. clouds	
Cuttack	29.71	754.7	29.79	756.7	87.9	31.1	41	ssw.	4.0	1.8			0			0	0	blue sky	
Calcutta, Alipore	29.74	755.3	29.76	755.8	84.7	29.3	47	nnw.	3.0	1.3			0			0	0	blue sky	
Dhubri	29.56	750.8	29.68	753.8	81.6	27.6	42	calm	3.1	1.4			0			0	0	blue sky	
Chittagong	29.73	755.2	29.82	757.5	76.7	24.8	78	ssw.	4.1	1.8			0			0	0	misty	
Sibsagar	29.46	748.2	29.80	757.0	67.2	19.6	84	ne.	2.0	0.9			10	sw.	sw.	0	0	d. clouds	
Jeypore	28.43	722.2	29.88	759.0	78.7	25.9	25	nw.	6.3	2.8			0			0	0	blue sky	
Zanzibar	29.81	757 1	29.83	757.7	86.7	30.4	59	ne.	9.0	4.0			3	nne.		0	0	d. clouds	
Bellary	28.33	719.6			92.4	33.6	14	ese.	4	1.8		0	0			0	0	blue sky	
Trichinopoly	29.59	751.6			91.5	33.1	34	wnw.	0.2	0.1		3	4			0	0	d clouds	
ITALIAN.																			
Udine	29.75	755 7	30.17	766.3	50.9	10.5	48	ne.	8.7	3.9			1			0	0		Prof. Giovanni Olodig.
Milan	29.66	753.3	30.19	766.7	51.4	10.8	56	se.	4.9	2.2			4	nne.		0	0		Prof. G.V.Schiapparelli
Padua	30.05	763.3	30.17	766.2	50.4	10.2	58	ne.	8.1	3.6			0			0	0		Prof. Dott. Lorenzoni.
Moncalieri	29.23	742.5	30.15	765.7	53.6	12.0	47	sw.	2.5	1.1			6	nw.		0	0		Prof. F. F. Denza.
Genoa	29.90	759.5	30.10	764.4	56.8	13.8	44	nw.	6.9	3.1			0			0	0		Prof. G. M. Garibaldi.
Pesaro	30.11	764.9	30.17	766 2	47.1	8.4	86	n.	10.5	4.7			2			0	0		Prof. Luigi Guidi.
Florence	29.83	757.7	30.09	764.2	54.0	12.2	49	n.			2		0			0	0		Prof. Costantino Pit.ei.
Leghorn	29.94	760 5	30.03	762.7	55.6	13.1	49	ne.	6.3	2.8			0			0	0		Prof. P. Monte.
Rome	29.85	758.2	30.03	762.7	58.3	14.6	42	n.	1.3	0.6			0			0	0		Prof. P. Tacchini.
Lecce	29.77	756.1	30.02	762.6	56.5	13.6	67	n.	12.5	5.6			4	n.		0.039	1.0		Prof. C. de Giorgi.
Cosenza	29.15	740.4	30.05	763.3	56.1	13.4	77	w.	2.5	1 1			0	sw.		0	0		Prof. D. Conti.
Palermo	29.74	755.5	30.00	761.9	56.3	13.5	68	nne.	6.9	3.1			10			0	0		Prof. G. Cacciatore
Syracuse	29.95	760.8	30.00	761.9	56.3	13.5	64	ne.	9.8	4.4			10	nne.		0	0		Sig. V. Giuli: no.
Sub-series.																			
Naples, Astron'l Obs'y	29.50	749.3			56.3	13.5	53	n.	3.1	1.4			1	W.		0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	30.13	765.2	30.16	766.1	25.0	— 3.9	87	nw.			2	0	2 k		W.	0	0	clear	H. Hattori.
Awomori	30.07	763.8	30.11	764 8	24.8	— 4.0	59	ssw.	12.7	5.7		0	4 ck		W.	0.008	0.2	fair	K. Ogawa.
Hakodate	30.07	763.8	30.08	764.1	30.3	— 0.9	58	w.	8.4	3.8		9 cs	0	W.		0	0	overcast	Y.Souma.
Hamamatsu	30.11	764.8	30.21	767.3	39.7	4.3	82	nne.			2	0	0			0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.20	767.1	30.22	767.5	37.3	2.9	86	n.	3.5	1.5		0	0			0	0	clear	Y. Okamoto.
Kagoshima	30.19	766 7	30.20	767.0	49.9	9.9	62	ne.			2	2 cs	0			0	0	clear	
Kanazawa	30.10	764.5	30.21	767.4	31.6	— 0.2	80	e.	4.8	2.1		1 ck	0			0	0	fair	S. Endo.
Kioto	30.04	763.0	30.21	767.4	36.6	2.6	80	n.	2.9	1.2		0	0			0	0	clear	M. Tojima.
Kochi	30.21	767.3	30.23	767.8	42.3	5.7	73	sw.	2.3	1.0		2 cs	0			0	0	clear	K. Kusunose.
Miasaka	30.20	767.1	30.23	767.8	41.6	5.3	81	nnw.			2	20;cs	1 ks	W.	W.	0	0	fair	K. Masusaki &T. Ishitain.
Miyako	29.99	761.7	30.10	764.5	27.2	— 2.7	66	wsw.	1.5	0.6		7 c	0			0	0	fair	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.98	761.5	30.19	766.8	43.3	6.3	79	calm	0	0		7c;cs	0	W.		0.005	0.1	fair	
Nemuro	29.92	760.0	29.97	761.2	18.0	— 7.8	68	s.	1.2	0.5		1 k	0	nw.		0	0	clear	A Shibuya.
Niigata	30.15	765.8	30.19	766.8	35.7	2.1	75	sw.	4.0	1.8		0	5 ks		sw.	0	0	clear	Satoo & Tomikawa.
Nobiru	30.13	765.3	30.15	765.7	32.5	0.3	64	nnw.	11.6	5.2		0	0			0	0	clear	Yoshino & Midzushina.
Numadzu	30.16	766.0	30.20	767.1	47.2	8.4	68	sw.			1		10 s		W.	0	0	cloudy	T. Ohgi.
Osaka	30.20	767.1	30.22	767.5	37.7	3.2	86	s.	2.3	1.0		0	0			0	0	clear	H. Omura.
Sakai	30.17	766.3	30.18	766.5	38.9	3.8	92	e.			2	1 c	0		ne.	0	0	clear	Yamawchi & Sakamoto.
Sapporo	29.99	761.7	30.06	763 5	9.3	—12.6	88	sw.	1.1	0.4		0	2 s			0.220	5.6	clear	S. Kimura.
Shimonoseki	30.04	763.1	30.19	766.8	41.0	5.0	77	ene.			2	0	0			0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	30.11	764.9	30.19	766.9	38.6	3.7	78	sw.	3.5	1.5		0	0			0	0	clear	The Staff.
Wakayama	30.15	765 9	30.21	767.3	37.9	3.3	80	ne.	0.6	0.3		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.72	754.9	29.90	759.4	82.3	27.9	64	e.	13.5	6.0		0	3 kn		ese.	0.06	1.5	fair	The Staff.
MEXICAN.																			
Leon	24.37	619.0	30.12	765.0	52.9	11.6	71	nnw.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29 73	755.0	29.99	761.7	68.0	20.0	79	s.	0.9	0.4		1 cs	0			0	0	light fog	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.14	765.6	30.14	765.6	46.6	8.1		w.			3					0	0		
Groningen	29.99	761.7	30.04	763.1	44.8	7.1		w.			2					0.020	0.5		
Helder	30.03	762.7	30.03	762.7	41.7	5.4		sw.			4					0	0		
Hellevoetsluis	30.08	764.1	30.08	764.1	45.5	7.5	72	w.			3					0	0		
Utrecht	30.07	763.7	30.11	764.9	48.0	8.9	67	wsw.			2		0			0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.81	757.2			79.3	26.3	93	nw.	0	0			10			0.039	1.0		Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.72	754.9	29.78	756.5	44.6	7.0	57	s.	25	11			10					raining	
Brono	29.94	760.5	29.98	761.5	41.4	5.2	43	sse.			6		10			0	0		
Christiania	30.09	764.3	30.24	768.1	39.2	4.0	55	se.	9	4			0			0.004	0.1		
Gjesvær	30.06	763.4	30.08	764.0	35.2	1.8		s.			2		10			0	0		
Lodingen	30.00	762.0	30.05	763.2	34.2	1.2	68	calm			0		5			0	0		
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos.
Funchal, Madeira	30.17	766.3	30.26	768.6	62.4	16.9	51	wsw.	3.8	1.7			3	nw.		0	0		Capt. D. A. de Ounha.
Lisbon, Observatory	29.69	754.1	30.03	762 7	60.3	15.7	61	nne.	15.4	6.9			1			0	0		The Staff.
Ponta Delgada, Azores	30.32	770 0	30.39	771.8	61.9	16.6	87	wnw.	4.9	2.2			3			0.205	5.2		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	30.10	764 6	30.14	765 5	68.0	20.0	58	ne.			5		5			0	0		
San Salvador, Congo	28.02	711.6	29.82	757.5	82.9	28.3	60	w.			3		5			0	0		
Serra da Estrella	25.28	642.2	30.14	765.6	36.9	2.7	100	e.	18.6	8.3			10			0.087	2.2	foggy	
RUSSIAN.																			
Akmolinski	29.12	739.6	30.31	769.8	8.6	—13.0	92	w.	7	3		7 ck	0			0	0		Major K. Lazarew.
Archangel	30.31	769.9	30.33	770.4	24.4	— 4.2	84	ssw.	13	6			10			0	0		Capt. Saellwerstow
Ashurada	30.37	771.3	30.27	768 9	52.3	11.3	73	nnw.	7	3			10 k			0	0		
Astrakhan	30.60	777.3	30.52	775.3	31.6	— 0.2	31	e.	25	11		0	0						Capt. Wisganow.
Baku	30.35	770 9	30.30	769.7	48.9	9.4	71	calm	0	0		0	5 ks			0	0		
Barnaul	29.52	749 9	30.09	764.2	— 3.5	—19.7	74	sw.	18	8			10			0.287	7.3		Meteorological Office.
Bielosersk	30 11	764.9	30.62	777.7	25.9	— 3.4	55	calm	0	0		0	0			0	0		
Derpat	30.37	771.4	30.64	778.2	19.0	— 7.2	100	e.	4	2		0	0			0	0		Observatory.
Ekaterinburg	29.19	741.5	30.22	767.5	24.3	— 4.3	75	w.	18	8			10			blank	blank		Meteorological Obs'y
Elisawetgrad	29.89	759.1	30.37	771.4	24.1	— 4.4	83	nnw.	4	2			10 sn			inap.	inap.		
Kasan	30.34	770 6	30.64	778.2	14.0	—10.0	94	wsw.	2	1			10			0	0		Observatory.
Kem	30.37	771.4	30.42	772.7	28.9	— 1.7	66	w.	13	6			3 ks			0	0	light clouds	
Kerten	30.06	763.4	30.08	764.0	34.7	1.5	91	ne.	4	2			10 n			0.205	5.2		Lagorio & Sastyres.
Kieff	29.72	754 8	30.41	772.3	20.8	— 6.2	79	ne.	7	3			10 n			0.055	1.4	snowing	Observatory.
Koslov	30.11	764.7	30.66	778.7	19.6	— 6.9	48	e.	4	2		0	0			0	0		
Lgov	29.91	759 7	30.55	775 9	18.9	— 7.3	79	ene.	22	10			7			0.016	0.4		R. I. Saawoljew, Engin'r.
Libau	30.49	774 4	30.51	775 0	34.7	1.5	62	se.	7	3			0			0	0		L. Quass.
Lugan	30.13	765.2	30.35	770.8	21.4	— 5.9	67	e.	34	15			8			0.012	0.3		Meteorological Obs'y.
Moscow	30.18	766.5	30.71	780.1	15.1	— 9.4	91	calm	0	0		0	0			0	0		Meteorological Obs'y.
Nertschinsk	27.61	701.2	30.13	765.3	1.0	—17.2	73	nw.	2	1			0			0	0		
Nikolaiev	30.24	768.0	30.31	769.8	28.6	— 1.9	76	n.	9	4			10 n			0	0		Capt. Kurdakow.

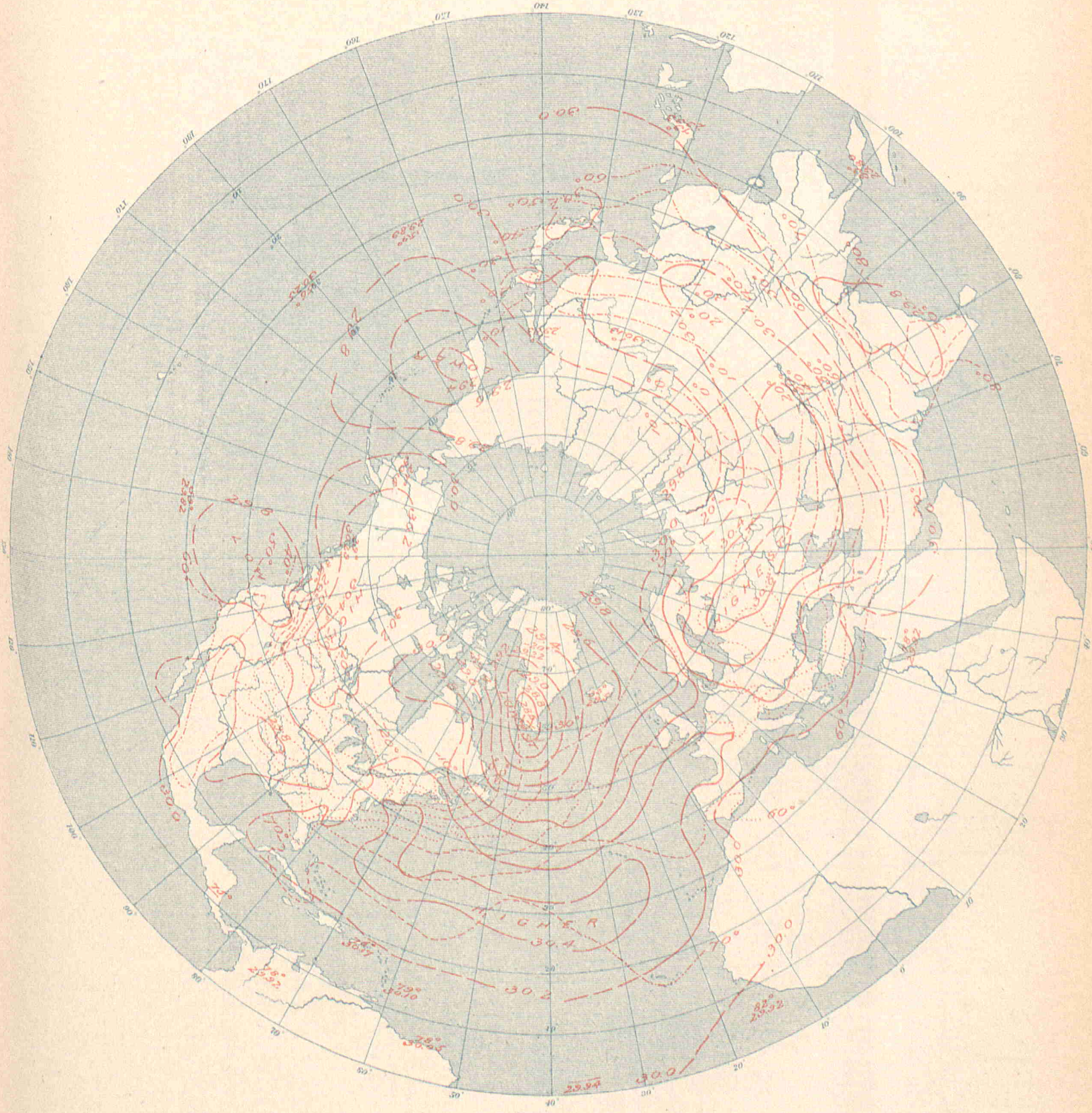
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaiewsk-on-the-Amoor.	29.74	755.4	29.83	757.6	— 0.6	—18.1	57	w.	4	2	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.10	764.6	30.24	768.2	34 5	1.4	27	n.	7.8	3.5	.....	0	5 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	30.11	764.9	30.49	774.4	36.3	2.4	27	ne.	2	1	.....	.....	3 s	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.35	771.0	30.57	776.5	17.2	— 8.2	82	nw.	7	3	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.93	760.1	30.46	773 6	25.5	— 3.6	82	uno.	11	5	.....	.....	10 n	.....	.....	0	0	.....	
Poti	30.01	762.3	30.04	763.1	51.4	10.8	98	sw.	4	2	.....	.....	2 ks	.....	.....	0	0	.....	
St. Petersburg	30.63	778.0	30.65	778.6	11.3	—11.5	93	sw.	2	1	.....	0	9 n	.....	.....	0	0	light clouds	Central Physical Obs'y.
Samarkand	27.77	705 3	30.30	769.7	44.4	6.9	64	calm	0	0	.....	.....	3 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.63	752.6	30.36	771 1	7.7	—13.5	92	w.	13	6	.....	.....	10	.....	.....	0.024	0.6	.....	Major Lasarew
Sevastopol	29.94	760.4	30.16	766.0	37.6	3.1	59	ne.	27	12	.....	0	5 s	.....	.....	0.020	0.5	.....	
Staroi Bykhov	29.93	760 1	30.52	775.2	27.9	— 2.3	61	ene.	9	4	.....	.....	9	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.69	728.8	30.47	773.8	32.9	0.5	86	nw.	4	2	.....	.....	8 ks	.....	.....	.....	.....	.....	Tercn, A. M.
Tiflis	28.84	732.6	30.31	769.8	44.6	7.0	72	se.	2	1	.....	.....	10	.....	.....	0	0	.....	Physical Observatory.
Vernoe	27.78	705.5	30.52	775.2	13.1	—10.5	66	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Larlono.
Viatka	29.78	756.5	30.46	773.6	24.1	— 4.4	71	wsw.	4	2	.....	.....	0	.....	.....	0	0	.....	.....
Vladivostock	29.85	758.3	29.92	760.0	31.8	— 0.1	92	se.	13	6	.....	.....	6 k	.....	.....	0	0	.....	.....
Warsaw	29.96	760 9	30.41	772.3	34.2	1.2	63	se.	7	3	.....	0	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.45	748.1	29.76	756.0	9.7	—12.4	73	ssw.	7	3	.....	.....	7	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	30.03	762.7	30.58	776.7	20.4	— 6.4	63	se.	5.6	2.5	.....	.....	10	.....	se.	0	0	light fog	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.97	761.1	30.08	763.9	56.8	13.8	86	se	.....	.....	.....	10	9 n	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	30.15	765.9	30.21	767.4	55.6	13.1	80	ne.	1.6	0.7	.....	10	.....	.....	.....	0.406	10.3	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.17	690.0	30.22	767.6	45.0	7.2	77	ne.	7.4	3.3	.....	.....	9	.....	.....	0	0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.80	706.2	30.01	762.3	57.6	14.2	51	ne.	22.6	10.1	.....	0	6	.....	.....	0	0	cloudy	The Staff.
Murcia, Met. Obs'y	29.79	756.7	29.93	760.1	59.7	15.4	72	e.	6.5	2.9	.....	3	6	wsw.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.26	743.3	30.18	766 6	51.6	10.9	73	ne.	27.3	12.2	.....	.....	7	.....	.....	0.087	2.2	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.16	766.1	30.23	767.8	63.6	17.6	85	e.	2.9	1.3	.....	0	k	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.87	758 7	29.93	760.2	78.5	25.8	72	ese.	8.8	3.9	.....	0	s	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.83	757.8	29.93	760 3	64.2	17.9	57	n.	9.1	4.1	.....	2	5	ne.	ne.	0.020	0.5	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I	30.08	704.0	30.17	766.3	75.6	24.2	80	s.	2.5	1.1	.....	4 s	5 kn	se.	se.	0	0	cloudy	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.33	770.4	30.37	771.4	30.2	— 1.0	88	s.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Umea	30.36	771 2	30.41	772.5	32.0	0.0	85	sw.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Hernosand	30.36	771.1	30.41	772.4	33.4	0.8	85	sse.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Stockholm	30.30	769.6	30.18	774.1	34.5	1.4	82	se.	.....	.....	4	.....	6	.....	.....	0	0	.....	
Wisby	30.37	771.4	30.43	772.9	36.7	2.6	69	se.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.37	771.3	30.45	773.5	35.4	1.9	74	sse.	12.3	5.5	.....	.....	7	.....	sse.	0.004	0.1	.....	H.H.Hildebrandsson
Turkish.																			
Constantinople	.....	.....	30.16	766.1	39.9	4.4	90	n.	18	8.0	.....	.....	10	.....	n	0.035	0.9	.....	The Observatory.
Valona	.....	.....	30.08	763.9	60.6	15.9	.....	s.	.....	.....	2	.....	8	.....	.....	0.16	4	¾ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.86	758.5	66.9	19.4	64	sw.	.....	.....	1	10c;ck	0	sw.	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.30	769 6	30.39	771.9	16	— 8.9	67	sw.	4	1.8	.....	0	hz.	.....	.....	inap.	inap.	cloudy	J. O. Barnes.
Alpena, Michigan	29.39	746.5	30.09	764.3	5.8	—14.6	76	w.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.99	634 7	30.01	762.2	44.4	6.9	95	e.	2	0.9	.....	.....	10 s	.....	.....	1.06	26.9	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	27.29	693.2	30.30	769.6	— 5.6	—20.9	100	e.	4	1.8	.....	.....	10 n	.....	.....	0.17	4.3	light snow	J.J.O'Connor.
Atlanta, Georgia	28.92	734.6	30.13	765.3	38.8	3.8	86	se.	11	4.9	.....	.....	10 s	.....	W.	0.16	4.1	cloudy	S. W. Beall.
Atlantic City, New Jersey	30.33	770 4	30.34	770.6	30.0	— 1.1	88	e.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	B.A.Blundon.
Augusta, Georgia	30.02	762.5	30.22	767.6	43.5	6.4	79	calm	0	0	.....	.....	10 s	.....	sw.	inap.	inap.	cloudy	W.J.Evans.
Baltimore, Maryland	30.27	768.8	30.32	770.1	28.5	— 1.9	88	ne.	3	1.3	.....	.....	10 n	.....	.....	inap.	inap.	light snow	Geo W Feiger.
Barnegat City, New Jersey	30.36	771.1	30.38	771 6	29.0	— 1.7	56	se.	10	4.5	.....	.....	10 n	.....	.....	0	0	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.54	724.9	30.24	768.1	2.7	—16.3	82	ne.	1	0.4	.....	0	2 s	.....	.....	0.09	2.3	clear	A. Pritchard.
Benton, Fort, Montana	27.24	691.9	30.22	767.6	20.3	— 6.5	80	calm	0	0	.....	.....	10 s	.....	.....	blank	blank	cloudy	O.S.Bennett.
Bismarck, Dakota	28.29	718.6	30.21	767 3	— 7.8	—22.1	74	calm	0	0	.....	0	9 s	.....	nw.	0.08	2.0	cloudy	B. O. Lenoir.
Block Island, Rhode Island	30.40	772.1	30.43	772 9	20.0	— 6.7	76	calm	0	0	.....	6 cs	0	nw.	.....	0	0	fair	J. T. Elker.
Boise City, Idaho	26.85	682.0	29.77	756.1	44.4	6.9	90	ne.	7	3.1	.....	.....	10 n	.....	.....	0.04	1.0	light rain	James Kenealy.
Boston, Massachusetts	30.23	767.8	30.39	771.9	9.0	—12.8	76	sw.	6	2.7	.....	0	4 s;hz	.....	sw.	0	0	fair	O. B. Cole.
Brownsville, Texas	29.89	759.2	29.95	760.7	68.0	20.0	93	s.	22	9.8	.....	0	4 k	.....	s.	0	0	fair	John McGlone.
Buffalo, New York	29.39	740.5	30.18	766.6	14.5	— 9.7	70	e.	3	1.3	.....	0	0	.....	.....	0	0	clear	D.Cuthbertson.
Buford, Fort, Dakota	28.10	713.7	30.26	768.6	—10.2	—23.4	74	nw	8	3.6	.....	0	0	.....	.....	0.02	0.5	clear	A. Schneider.
Cairo, Illinois	29.51	749.5	29.93	760.2	36.0	2.2	89	se.	1	0.4	.....	.....	10 n	.....	se.	1.11	28.2	heavy rain	W. H. Ray.
Canby, Fort, Washington Ter	29.55	750.6	29.75	755 6	40.1	4.5	89	s.	4	1.8	.....	7 ck	2 s	W.	.....	0.06	1.5	cloudy	J.H.Young.
Cape Henry, Virginia	30.28	769.1	30.30	769.6	32.0	0.0	100	se.	16	7.2	.....	.....	10 n	.....	se.	0.02	0.5	heavy snow	A. K. Alderson.
Cape May, New Jersey	30.26	768.6	30.28	769.1	35.3	1.8	89	s.	16	7.2	.....	.....	10 s	.....	.....	0	0	threatening	W.E.Smith.
Cape Mendocino, California	29.09	738.9	29.78	756.4	49.2	9.6	99	se.	.....	.....	6	.....	10 n	.....	.....	0.33	8.4	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.25	768.3	30.27	768.8	58.3	14.6	84	se.	7	3.1	.....	4 cs	0	sw.	.....	inap.	inap.	fair	G. W. Davis.
Charleston, S. Carolina	30.13	765.3	30.19	766.8	52.1	11.2	93	sw.	5	2.2	.....	.....	10s;fg	.....	sw.	0.02	0.5	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.31	744.5	30.19	766.8	33.3	0.7	96	s.	1	0.4	.....	.....	fg.	.....	.....	0.18	4.6	dense fog	D. O'Donoghue.
Chattanooga, Tennessee	29.16	740.7	30.01	762.2	39.0	3.9	89	se.	2	0.9	.....	.....	10n;fg	.....	.....	0.48	12.2	light rain	B. L. Goulding.
Cheyenne, Wyoming	23.70	602.0	29.90	759.4	28.8	— 1.8	88	se.	4	1.8	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	E. McGovern.
Chicago, Illinois	29.31	744.5	30.05	762.3	20.3	— 6.5	63	e.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	Wm. Norrington.
Chincoteague, Virginia	30.34	770.6	30.36	771.1	31.4	— 0.3	100	s.	11	4.9	.....	.....	10 n	.....	.....	inap	inap.	light snow	C. F. Dickens
Cincinnati, Ohio	29.32	744.7	30.01	762.2	25.8	— 3.4	88	e.	5	2.2	.....	.....	10 n	.....	e.	0.02	0.5	light snow	L.Dunne.
Cleveland, Ohio	29.32	744.7	30.10	764.5	18.0	— 7.8	84	s.	7	3.1	.....	.....	10 s	.....	s.	0.01	0.3	cloudy	W.Line.
Columbus, Ohio	29.16	740.7	30.05	763.3	20.8	— 6.2	79	ne.	6	2.7	.....	.....	10 n	.....	.....	0.02	0.5	light snow	F.T. Williams
Concho, Fort, Texas	28.02	711.7	29.99	761.7	61.0	16.1	78	s.	8	3.6	.....	0	9 k	.....	sw.	0	0	cloudy	C. E. King.
Custer, Fort, Montana	26.82	681.2	30.15	765.8	1	—17.2	83	ne.	4	1.8	.....	.....	10 s	.....	.....	0.27	6.9	cloudy	W.J.Daily.
Davenport, Iowa	29.31	744.5	30.00	762 0	21.0	— 6.1	70	ne.	8	3.6	.....	.....	10 s	.....	ne.	0.02	0.5	cloudy	K. K. Martin.
Davis, Fort, Texas	24.87	631.7	29.74	755 4	53.0	11.7	86	sw.	4	1.8	.....	.....	10 ks	.....	se.	0	0	cloudy	J. Williams.
Dayton, Washington T'y	28.03	711.9	29.85	758.2	28.5	— 1.9	89	w	6	2.7	.....	.....	10 s	.....	.....	0	0	threatening	T.Gibson.
Deadwood, Dakota	25.19	639 8	30.03	762.7	2.1	—16.6	91	calm	0	0	.....	.....	10 n	.....	.....	0.11	2.8	light snow	G.W.Scott.
Delaware Breakwater, Del.	30.35	770 9	30.37	771.4	32.3	0.2	100	se.	12	5.4	.....	.....	10 n	.....	se.	inap.	inap.	light snow	G.A.Martin.
Denver, Colorado	24.45	621.0	29.89	759.2	32.8	0.4	88	calm	0	0	.....	.....	sk.	.....	.....	0	0	dense smoke	F. M. Neal.
Des Moines, Iowa	29.07	738.4	30.03	762.7	19	— 7.2	70	e.	7	3.1	.....	.....	10 s	.....	s.	0	0	cloudy	F. W. Conrad.
Detroit, Michigan	29.36	745.7	30.11	764.8	18.0	— 7.8	84	se.	3	1.3	.....	0	0	.....	.....	0	0	clear	N.B.Conger.
Dodge City, Kansas	27.19	690.6	29.92	760.0	25.5	— 3.6	96	n.	10	4.5	.....	.....	fg.	.....	.....	0	0	dense fog	J.E.Lanouette.
Dubuque, Iowa	29.30	744.2	30.05	763.3	14.7	— 9.6	64	n.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	J. Harvey Smith
Duluth, Minnesota	29.34	745.2	30.13	765.3	— 2.0	—18.9	75	calm	0	0	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	E.R.Brace.
Eastport, Maine	30.29	769.4	30.36	771.1	3.0	—16.1	72	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	D. C. Murphy.
Elliott, Fort, Texas	26.93	684.0	29.76	755.9	52.5	11.4	61	sw.	24	10.7	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
El Paso, Texas	26.26	667 0	30.06	763 5	52.1	11.2	85	nw.	3	1.3	.....	0	0	.....	.....	0.14	3.6	clear	F.Belford.
Erie, Pennsylvania	29.39	746.5	30.16	766.1	14.5	— 9.7	73	s.	7	3.1	.....	3 cs	0	nw.	.....	0.01	0.3	clear	P.Wood.
Escanaba, Michigan	29.36	745.7	30.07	763.8	2.0	—16.7	85	s.	2	0.9	.....	10 cs	0	sw.	.....	0	0	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.27	743.4	29.76	755.9	37.2	2.9	89	e.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	J.B. Campbell.
Galveston, Texas	29.95	760.7	29.99	761.7	64.2	17.9	98	s.	11	4.9	.....	0	8 ks	.....	s.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.39	746.5	30.09	764.3	10.0	—12.2	80	calm	0	0	.....	7 ck	0	W.	.....	0.01	0.3	fair	Joseph E. Mueller
Grant, Fort, Arizona	25.25	641.3	30.08	764.0	45.7	7.6	87	ne.	3	1.3	.....	.....	10 s	.....	ne.	1.61	40.9	cloudy	Chas. A. Reau.
Hatteras North Carolina	30.23	767.8	30.24	768.1	49.4	9.7	100	se.	16	7.2	.....	.....	10 n	.....	se.	0.03	0.8	light rain	R. M. Crawford

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature. Inch.	Mill.	BAROMETER. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	WIND. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	CLOUDS. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.72	653.3	30.04	763.0	1	—17.2	72	n.	9	4.0			10 s			0.09	2.3	cloudy	S.W.Morrison.
Huron, Dakota	28.72	729.5	30.20	767.1	2.3	—16.5	71	n.	4	1.8			9 s			0.04	1.0	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.12	739.6	29.96	761.0	22.7	— 5.2	70	e.	6	2.7			10 s		e.	inap.	inap.	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.92	760.0	29.95	760.7	66.1	18.9	95	s.	20	8.9			10 s		s.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.22	767.6	30.27	768.8	56.4	13.6	85	s.	12	5.4		hz.	0			inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	29.28	743.7	29.97	761.2	20.4	— 6.4	78	ne.	3	1.3			10 s		ne.	0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	30.21	767.3	30.23	767.8	69.5	20.8	63	e.	12	5.4		0	2 k		e.	0	0	clear	J.J.Lackey.
Kittyhawk, North Carolina	30.25	768.3	30.27	768.8	39.9	4.4	78	se.	25	11.2			10 n			0.07	1.8	light rain	Wesley Blake.
Knoxville, Tennessee	28.94	735.1	30.00	762.0	32	0.0	96	e.	3	1.3			10 n			0.99	25.1	light rain	J. A. Cody.
La Crosse, Wisconsin	29.26	743.2	30.08	764.0	7	—13.9	76	n.	4	1.8			10 n			0.01	0.3	light snow	S. C. Emery.
Leavenworth, Kansas	29.00	736.6	29.94	760.5	25.6	— 3.6	74	ne.	5	2.2		10 cs	0	nw.		c	0	cloudy	C.Dill.
Lewiston, Idaho	28.89	733.8	29.75	755.6	39.5	4.2	68	nw.	3	1.3		0	5 k		se.	0	0	fair	C. E. Butler.
Little Rock, Arkansas	29.52	749.8	29.85	758.2	42.0	5.6	100	w.	3	1.3			10 n			1.03	26.2	light rain	W.U.Simons.
Los Angeles, California	29.58	751.3	29.98	761.5	59.0	15.0	96	s.	8	3.6			10 n			1.52	38.6	light rain	T. S. Collins
Louisville, Kentucky	29.32	744.7	29.91	759 7	29.5	— 1.4	90	ne.	6	2.7			10 n			0.15	3.8	light rain	E.B.Garriott.
Lynchburg, Virginia	29.47	748.5	30.19	766.8	30.0	— 1.1	78	e.	3	1.3			10 n		se.	0.02	0.5	sleeting	Jno. Healy.
Mackinaw City, Michigan	29.38	746.2	30.08	764.0	5.0	—15.0	85	sw.	5	2.2		3 cs	4 s		sw.	0	0	fair	D. B. Notson.
Macon, Fort, North Carolina	30.21	767.3	30.22	767.6	51.8	11.0	93	se.	9	4.0			10 s		s.	0.02	0.5	threatening	William Daly.
Maginnis, Fort, Montana	25.50	647.7	30.10	764.5	— 4.8	—20.4	71	ne.	2	0.9			10 n			0.15	3.8	light snow	F. Burke.
Marquette, Michigan	29.29	744.0	30.06	763.5	2.5	—16.4	72	calm	0	0		10	0	sw.		0	0	clear	J. Gilligan.
Memphis, Tennessee	29.50	749.3	29.85	758 2	48.0	8.9	100	se.	4	1.8			10 n			0.63	16.0	light rain	D. T. Flannery.
Milwaukee, Wisconsin	29.28	743.7	30.07	763.8	9.4	—12.6	75	nw.	7	3.1			10 s			0	0	cloudy	S.W.Rhode.
Mobile, Alabama	30.07	763.8	30.11	764.8	57.7	14.3	93	sw.	8	3.6		9c;cs	hz.	w;sw		0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.85	758.2	30.09	764.3	58	14.4	87	s.	8	3.6		4 cs	6s;fg	w.		0.03	0.8	cloudy	S.M.Leitzell.
Moorhead, Minnesota	29.15	740.4	30.23	767.8	—13.1	—25.1	100	w.	3	1.3		0	0			0	0	clear	H. Bessant.
Mt. Washington, N. H.	23 40	594.3	29.92	760.0	—16.0	—26.7	34	nw.	60	26.8		9 cs	0	nw.		0.05	1.3	cloudy	J.H.Melton.
Nashville, Tennessee	29.28	743.7	29.88	758.9	34.5	1.4	83	n.	3	1.3			10 n		ne.	1.56	39.6	light rain	L. N. Jesunofsky.
New Haven, Connecticut	30.28	769.1	30.40	772.1	4.8	—15.1	79	w.	3	1.3		9 cs	0			0	0	cloudy	J. R. Sherman.
New London, Connecticut	30.37	771.4	30.42	772.7	13.0	—10.5	80	ne.	4	1.8		5 cs	2 s			0	0	fair	J. G. Lynch.
New Orleans, Louisiana	30.02	762.5	30.08	764.0	62.8	17.1	85	s.	8	3.6		10 cs	fg.	nw.		0.15	3.8	cloudy	M. Herman.
New York, New York	30.23	767.8	30.41	772.4	19.0	— 7.2	72	calm	0	0		0	9 s;hz			0	0	cloudy	W.Finn.
Norfolk, Virginia	30.27	768.8	30.30	769.6	33.0	0.6	95	se.	5	2.2			10 n			0.04	1.0	heavy snow	Wm. Davis.
North Platte, Nebraska	26.98	685.3	30.04	763.0	9.2	—12.7	75	nw.	4	1.8			10 n			0.03	0.8	sleeting	E.F.Brady.
Olympia, Washington Ter	29.77	756.1	29.81	757.2	34.4	1.3	84	ne.	10	4.5			10 n			0.03	0.8	light snow	J. Dascomb
Omaha, Nebraska	28.82	732.0	30.07	763.8	19.7	— 6.8	74	ne.	6	2.7			10 s			0.06	1.5	cloudy	A. Pollak
Oswego, New York	29.90	759.4	30.24	768.1	14.7	— 9.6	41	se.	7	3.1		10 cs	0	w.		0.12	3.0	cloudy	J. G. Linsley.
Palestine, Texas	29.37	746 0	29.94	760.5	67.2	19.6	90	s.	20	8.9			10 ks		sw.	0.03	0.8	cloudy	P. T. Jenkins.
Pensacola, Florida	30.11	764.8	30.14	765.5	62.1	16.7	94	s.	8	3.6		7ck;cs	0	w.		inap.	inap.	fair	M. McGauran.
Philadelphia, Pa	30.26	768.6	30.36	771.1	24.0	— 4.4	73	ne.	3	1.3			10 s			0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.50	444.5	30.09	764.3	8.0	—13.3	69	w.	24	10.7		0	7 s		w.	inap.	inap.	fair	H. Hall.
Pittsburg, Pennsylvania	29.26	743.2	30.11	764.8	21.5	— 5.8	86	ne.	5	2.2			10 c			0	0	cloudy	O. D. Stewart.
Port Huron, Michigan	29.41	747.0	30.13	765.3	11.5	—11.4	80	sw.	2	0.9		0	0			0	0	clear	M. H. Perry
Portland, Maine	30.34	770.6	30.39	771.9	8.0	—13.3	76	calm	0	0			10s;sk			0	0	cloudy	W. W. Eichelberger.
Portland, Oregon	29.67	753.6	29.74	755.4	44.8	7.1	80	sw.	4	1.8			10 s			0	0	cloudy	M. L. Hearns.
Prescott, Arizona	24.75	628.6	30.09	764.3	45.5	7.5	89	s.	5	2.2			10 n			0.77	19.6	light rain	N. D. Lane.
Provincetown, Mass.	30.39	771.9	30.42	772.7	16.5	— 8.6	76	sw.	2	0.9		7c;cs	0	w.		0	0	fair	O. N. Kitchel.
Red Bluff, California	29.42	747.3	29.79	756.7	56.3	13.5	89	s.	10	4.5			10 ks		s.	0.60	15.2	cloudy	J. R. Williams.
Rio Grande City, Texas	29.72	754.9	29.96	761.0	67.5	19.7	92	s.	3	1.3			0			0	0	clear	L. G. Schultz.
Rochester, N. Y	29.52	749.8	30.22	767.6	10	—12.2	80	s.	7	3.1		7 c;ck	hz.	w.		0	0	fair	E. W. McGann.
Roseburg, Oregon	29.19	741.4	29.75	755.6	48.4	9.1	78	calm	0	0			10 n		sw.	inap.	inap.	light rain	J. J. Nunry.
Sacramento, California	29.74	755.4	29.81	757.2	57.0	13.9	93	se.	10	4.5			10 n			0.27	6.9	light rain	J. A. Barwick
St. Louis, Missouri	29.31	744.5	29.96	761.0	26.1	— 3.3	98	e.	6	2.7			10 s		e.	0.02	0.5	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	30.13	765.3	30.16	766.1	27	— 2.8	88	s.	2	0.9		0	1 s			0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.22	742 2	30.13	765 3	8.4	—13.1	55	nw.	4	1.8		3 cs	7 n	w.		0.08	2.0	light snow	P. F Lyons.
St. Vincent, Minnesota	29.22	742.2	30.16	766.1	—18	—27.8	73	nw.	8	3.6		2 cs	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.40	645.1	29.92	760.0	43.3	6.3	93	s.	20	8.9			10 n			0.20	5.1	heavy rain	J. Craig.
San Diego, California	29.90	759.4	29.97	761.2	61.2	16.2	86	s.	9	4.0			10 k		sw.	0.04	1.0	cloudy	F. R. Day.
Sandusky, Ohio	29.38	746.2	30.10	764.5	21	— 6.1	70	s.	4	1.8			10 s		s.	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	30.38	771.6	30.42	772.7	20.8	— 6.2	70	sw.	2	0.9		10 ck	0	sw.		0	0	cloudy	V.P.Chappel.
Sanford, Florida	30.22	767.6	30.28	769.1	52.0	11.1	93	calm	0	0			0	fg.		inap.	inap.	dense fog	J. B. Marbury
San Francisco, California	29.72	754 9	29.79	756.7	59.0	15.0	89	s.	3	1.3			10n;fg		s.	0.05	1.3	light rain	N. Gorom
Savannah, Georgia	30.12	765 0	30.21	767.3	51.4	10.8	84	s.	7	3.1		9 cs	fg.	w.		0	0	cloudy	H.W.Ford.
Shaw, Fort, Montana	26.44	671.6	30.24	768.1	— 4.2	—20.1	100	n	9	4.0			10 n			0.10	2.5	light snow	A.L.Mathews.
Shreveport, Louisiana	29.68	753.9	29.85	758.2	67.5	19.7	82	sw.	11	4.9			10 s		sw.	0.02	0.5	cloudy	E.N.Meekins.
Sitka, Alaska	30.22	767.6	30.29	769.4	29	— 1.7	61	ne.	1	0.4		0	0			0	0	clear	F. W. Fickett.
Smithville North Carolina	30.14	765.5	30.18	766.6	53.3	11.8	87	s.	16	7.2			10 s		w.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.77	705.3	29.90	759.4	20.0	— 6.7	94	n.	7	3.1			10 n			0.03	0.8	light snow	D.Moore.
Springfield, Illinois	29.22	742.2	29.94	760.5	25.9	— 3.4	82	ne.	8	3.6			10 s			inap.	inap.	cloudy	T. B. Jennings.
Stockton, Fort, Texas	26.96	684.8	30.04	763.0	58.5	14.7	72	nw.	6	2.7			10 s			0	0	cloudy	J.W.Byram.
Tatoosh Id., Wash. Ter	29.64	752.8	29.74	755.4	34.5	1.4	72	e.	36	16.1		1 c	8 s;ks		e.	0.20	5.1	cloudy	R. Connor.
Thomas, Camp, Arizona	27.27	692.6	30.05	763.3	51	10.6	96	calm			0		10 n			0.78	19.8	light rain	R. O. Lord.
Toledo, Ohio	29.34	745.2	30.07	763.8	18	— 7.8	74	e.	2	0.9		8 cs	0	w.		0	0	cloudy	A. Buell.
Unalashka, Alaska	29.78	756.4	29.80	756.9	40	4.4	82	se.	6	2.7			8 s			0.33	8.4	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.70	754.4	29.96	761.0	66	18.9	84	s.	16	7.2			10 s		sw.	0.07	1.8	cloudy	F.W.Mixer.
Washington, D. C.	30.19	766.8	30.31	769.9	26.0	— 3.3	96	se.	5	2.2			10 n			0.02	0.5	light snow	T. B. Harrison.
West Las Animas, Colorado	25.78	654.8	29.85	758.2	21.5	— 5.8	80	ne.	5	2.2		0	0			0	0	clear	F. R. Brandenburg
Wilmington, N Carolina	30.12	765.0	30.18	766.6	53.0	11.7	93	s.	5	2.2			10 s		s.	0	0	cloudy	L.H.Albrecht.
Yankton, Dakota	28.74	730.0	30.13	765.3	11.6	—11.3	82	ne.	4	1.8			10 n			inap.	inap.	light snow	E. H. Thompson.
Yuma, Arizona	29.82	757.4	29.97	761.2	58.8	14.9	88	e.	5	2.2		0	2 s		s.	0.02	0.5	clear	W.S Delano.
Sub-series.																			
BehringIsland, Kamchatka	29.33	745 0	29.35	745.5	29.8	— 1.2	82	e.	10	4.5		0	8 n		e.	inap.	inap.	cloudy	George Oherulck.
Bluefields, Nicaragua, C. A.					78	25.6		n.			3	0	8 n		ne.	0.44	11.2	cloudy	W. H. Jackson.
bogota, U. S. C.	22.02	559.4			56.3	13.5	90	calm	0	0		0	5 fk		nw.	0	0		Joaquin Gomez.
Chimo, Fort, Ungava	29.94	760.5	30.10	764.5	—37	—38.3	100	s.	2	0.9		0	0			0	0	clear	L.M.Turner.
Kingston, Jamaica, W. I.			30.11	764.8	72.7	22.6	85	calm	0	0		0	1 s			0.13	3.3	clear	Robert Johnstone.
Paramaribo, S. A.	30.05	763.3	30.05	763.3	78	25.6	86	ne.			3	4 c	5 k	e.		0	0		Dr. C. J. Herine.
Puerto Berrio, U. S. C.	29.36	745.7	29.92	760.0	78	25.6	89	n.			1	7 ck	3 ks	calm	calm	0	0	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.					74.5	23.6	84	ne.			5		6 ks		ne.	0	0		Earl Flint.
York Factory, B. A.	29.92	760.0	30.00	762.0	—33.0	—36.1		n.	18	8.0		2 c	2 s	n.	n.	0.01	0.3	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.97	761.3	29.98	761.6	77.0	25.0	85	n.	12.5	5.6			7 k		n.	0.20	5	fair	P. Fasiani.
Naos, Bay of Panama	29.93	760.1	29.99	761.8	74.5	23.6	86	n.			4		3 s		n.	0	0	fair	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Alvo, N. 35° 00′, W. 74° 08′			52	11.1		se.			4		10	s.				high		threatening.
S. S. Arizona, N. 40° 41′, W. 67° 44′	30.49	774.4	25	— 3.9		nnw.			3		5		nw.	0	0	mod.	wnw.	fair.
S. S. Adriatic, N. 42° 00′, W. 44° 32′ †	30.02	762.5				nnw.			5				w.			high	sw.	stormy.
S. Armenia, N. 45° 35′, W. 44° 50′ *	29.78	756.4	47	8.3	77	wsw.			7		8		wsw.	2 h'r	2 h'r	r'gh	w.	snow squalls
S. S. Antonio Lopez, N. 27° 09′, W. 33° 41′	30.49	774.4	69	20.6	70	ene.			3		8			0	0	mod.	ene.	cloudy.
S. S. America, N. 40° 30′, W. 55° —′*	30.15	765.8	45	7.2	84	nw.			6		7		nw.			high	nw.	fair.
S. S. Athos, Kingston, Jamaica, W. I.						ne.			3		0			1 h'r	1 h'r			clear.
S. S. Belgenland, N. 39° 28′, W. 57° 55′			47	8.3		nw.			7				nw.			h'vy	wnw.	clear.
S. S. Britannic, N. 46° 40′, W. 36° 30 †	29.69	754 1	49	9.4		wnw.			4		4			4 h'r	4 h'r	high	w.	raining.
S. S. City of Augusta, Savannah, Ga†	30.16	766.1				ssw.			3		6		wsw.	0	0			fair.
S. S. Caracas, N. 17° 20′, W. 67° 50′*†	30.20	767.1	78	25.6	82	ene.			6		2		ene.	0	0	short	ene.	clear.
S. Dora, N. 39° 35′, W. 52° 15′ *†	30.19	766.8	48.2	9.0		wnw.			5		6		wnw.	12 h'r	12 h'r	long	nw.	squally.
S. S. Donau, N. 49° 37′, W. 18° 57′	30.14	765.5				s.			6		9		s.	1 h'r	1 h'r	r'gh	s;w.	overcast.
Bk. Fred W. Carlon, N. 23° 36′, W. 88° 25′†	30.20	767.1				e.			6		2		e.	0	0	r'gh	ne.	fair.
S. S. Gallia, N. 48° 12′, W. 31° 30′.			57	13.9		sw.			4		8		w.			mod	w.	showery.
S. S. Gellert, N. 45° 03′, W. 38° 50′			43.0	6.1	92	wnw			6		10		wnw.	0	0	r'gh	w.	threat-ning.
Bk. Godeffroy, N. 26° 16′, W. 64° 09′	30.39	771.9	68.7	20.4	72	ne.			6		4		ne.	rain	rain	long	nw.	fair
S. S. George S. Thomas, N. 0° 03′, W. 37° 26′*†	29.94	760.5				ene.			1		1		ne.	4 h'r	4 h'r	r'gh	ne.	
Bk. Idaho, N. 38° 40′, W. 73° 00′*†	30.34	770.6				sse.			2		2			1 h'r	1 h'r	sm'h		clear.
Bg. L. F. Munson, Matanzas, Cuba, W.I *†	30.22	767.6	70	21.1		e.			3		1		e.	0	0			clear.
Bg. Lilian, N. 21° 35′, W. 67° 00′ †	30.25	768.3	77	25.0		ne.			6		8		ene.	3 h'r	3 h'r	r'gh	var.	squally.
S. S. Main, N. 42° 20′, W. 49° 19′	30.06	763.5	37.4	3 0		w.			4		3		w.	5 h'r	5 h'r	mod.	w.	fair.
S. S. Nurnberg, N. 48° 20, W. 33° 48′	29.62	752.3	48.2	9.0		nw.			6		10		nw.	4 h'r	4 h'r	cross	w.	misty.
S. S. New York, N. 27° 30′, W. 79° 45′*†	30.30	769.6	69	20.6		e.			3		2		ene.			sm'h		clear.
S. S. Nessmore, N. 49° 53′, W. 18° 35′			56	13.3	87	s.			6		5		s.	5 h'r	5 h'r	mod	s.	drizzling.
Schr. Norena, N. 18° 10′, W. 67° 22′ *†	30.21	767.3				e.			2		3		ene.	1 h'r	1 h'r	mod.	ese.	fair.
S. S. Orinoco, New York, N. Y †	30.44	773.2	21	— 6.1		nnw.			3		0			0	0			hazy.
Bk. Orpheus, N. 45° 12′, W. 40° 55′ *	29.81	757.2	48	8.9		w.			7		10 k			0	0	long	wsw.	squally.
S. S. Pavonia, N. 40° 59′, W. 64° 11′	30.32	770.1	32	0.0		w.			6		8		wnw.	12 h'r	12 h'r	cross	w.	snow squalls
Bg. Rising Sun, N. 24° 43′, W. 70° 53′ *†			33	0.6	100	wsw.			3		6		sw.	0	0			fair.
S. S. State of Georgia, N. 41° 12′, W. 59° 11′†	30.27	768.8	74	23.3		ene.			6		2		ene.	0	0	long	ene.	clear
S. S. Salerno, Hull, Eng †	30.25	769.3	40	4.4		nw.			7		5		nw.	snow	snow	sharp	w.	snowy.
S. S. Salier, N. 42° 02′, W. 53° 24′	30.05	763 3	40	4.4		w.			3		5		w.	0	0			fair.
S. S. Switzerland, N. 49° 32′, W. 12° 08′ *†	30.14	765.5				wnw.			5		6		wnw.	8 h'r	8 h'r	cross	wnw.	squally.
S. St. David, N. 46° 57′, W. 27° 37′	30.21	767.3				ssw.			1		0			0	0	sm'h		clear.
S. S. The Queen, N. 44° 40′, W. 44° 41′			62?	16.7?	77	sw.			4		9		var.	3 h'r	3 h'r	light	sw.	hazy.
Bk. Tuck Sing, N. 22° 45′, W. 69° 38 *†	30.26	768.6	40	4.4		w.			7		5		wnw.	3 h'r	3 h'r	h'vy	w.	squally.
S. S. Venetian, N. 43° 42′, W. 43° 11′*	29.84	757.9				ne.			5		8		ne; sw	2 h'r	2 h'r	cross		squally.
S. S. Valencia, N. 35° 43′ W. 72° 53′ †	30.36	771.1	46	7.8		nw.			5–6		8		nw.	7 h'r	7 h'r	mod.	wnw.	cloudy.
S. S. Westernland, Antwerp, Belgium	30.11	764.8	52	11.1	73	se.			3		9		e.	0	0	h'vy	ne.	cloudy.
S. S. W. A. Scholten, N. 48° 42′, W. 18° 28′	30.09	764.3	53	11.7	86	nw.			4		7		w.	0	0			fair.
S. S. Weser, N. 47° 31′, W. 57° 22′	30.24	768.1	52.9	11.6	93	sw.			4		9		w.	0	0	6	w.	
S. S. Zeeland, Flushing, Netherlands			35.6	2.0		w.			6		10		wnw.	13 h'r	13 h'r	long	w.	hazy.
S. S. Australia, N. 41° 06′, W. 36° 23′†			48	8.9		sw.			6				sw.	0	0			clear.
S. S. Cienfuegos, N. 31° 03′, W. 80° 33′	30.00	762.0	62	16.7		sw.			3				sw.	0	0			
S. S. Frisia, N. 50° 32′, W. 1° 53′	30.26	768.6	67	19.4		sw.			7–8		10		sw.	1 h'r	1 h'r	r'gh	sw.	dull.
S. S. Texas, N. 50° 59′, W. 15° 47′*†	30.22	767.6	47.8	8.8		nw.			4		4		w.	0	0	small	ssw.	hazy.
Bk. George Davis, N. 49° 53′, W. 5° 53′*†	30.05	763.3	54	12.2	100	ssw.			2		0			0	0	sm'h	w.	clear.
Schr. Adda Doane, N. 31° 00′, W. 71° 11′†	30.24	768.1				nnw.			3		6		sw.			sm'h		clear.
S. S. Erin, N. 47° 17′, W. 32° 27′	30.45	773 4				calm			3				n.	0	0		w.	cloudy.
S. S. Grecian, Boston, Mass			50	10.0		ssw.			0		8		e.	0	0	short	nne.	clonay.
Schr. Jas. Slater, N. 28° 28′, W. 45° 51′	30.45	773.4	11	—11.7	86	wnw.			4		10		ssw.	2 h'r	2 h'r	sli't	sw.	cloudy.
Bg. John Wesley, N. 38° 05′, W. 73° 40			74	23.3		s.			1		0			0	0			clear
S. S. St. Laurent, N. 49° 45′, W. 28° 50′						s.			3		10			0	0	mod.	sw.	
Schr. Viola Reppard, Portland, Maine	29.67	753.6	59.0?	15.0?		sw.			5		10			3 h'r	3 h'r	sm'h		rain & snow
Bk. Western Chief, N. 42° 57′, W 38° 21′*†	30.34	770.6				sw.			4		10		sw.	0	0	r'gh	sw.w	misty.
U. S. Navy Yard, Portsmouth, N. H *	29.82	757.4				nw.			3		3		sw.	0	0			clear.
U. S. S. Galena, Port Royal, S. C *.	30.34	770.6	6	—14.4	76	nw.	6	2.7	5		2		ne.					clear.
U. S. S. New Hampshire, Newport, R. I	30.19	766.8	53	11.7	86	s.			0		0			0	0			hazy.
U. S. S. Powhatan, Port Royal, S. C	30.44	773.2	20	— 6.7		calm			1		10		s.			sm'h		cloudy.
U. S. S. Quinnebaug, Leghorn, Italy	30.23	767.8	51	10.6	86	ssw.			0		10					sm'h		cloudy.
U. S. S. Saratoga, New York, N. Y	30.05	763.3	59	15.0	59	ene.			1		8					sm'h		cloudy.
U. S. S. Tennessee, N. 26° 08′, W. 91° 12′	30.40	772.1	18	— 7.8	100	w.			1		0					sm'h		clear.
U. S. S Yantic, Port Royal, S. C	30.15	765.8	70	21.1	95	sse.	22	9.8	2		10		calm	0	0	sm'h		foggy.
H. M. S. Alexandra, N. 31° 51′, E. 29° 56′	30.23	769.8	53	11.7	86	w.			5		10		s	0	0			fair.
H. M. S. Alecto, N. 4° 30′, E. 7° 33′	29.88	758.9	66	18.9	74	nne.			1		10		wnw.					cloudy.
H. M. S. Boadicea, Fernando Po, W. Africa	29.87	758.7	81	27.2		sw.			1		3					sm'h		d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.84	757.9	83.5	28.6	89	wnw.			1		2							d. clouds.
H. M. S. Himalaya, N. 36° 55′, W. 34° 30′	30.38	771.6	57.5	14.2	61	wnw.			3		1		wnw.					blue sky.
H. M. S. Minotaur, Suda Bay, Mediterranian	30.32	770.1	64	17.8	83	ssw.			4		5		nnw.					d. clouds.
H. M. S. Myrmidon, N. 37° 17′, E. 6° 36′	30.02	762 5	54.5	12.5	90	ese.			3		0							
H. P. M. S. Benge, N. 5° 15′, W. 15° 39′	29.84	757 9	57	13.9	81	e.			1		10					3	ssw.	blue sky
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.92	760.0	82 4	28.0	77	nw.			4–6		10	ene.						raining.
S. S. British Prince, N. 42° 30′, W. 43° 32 †	29.81	758.0	90.0	32.2	75	ese.			3		0					6	e.	misty.
S. S. Sardinian, N. 42° 46′, W. 49° 54′	30.01	762.2	48	8.9	70	w.			2		5		se.	0	0			blue sky.
S. S. Dorian, N. 51° 45′, W. 6° 20′	30.04	763.0	36	2.2		w.			5		8		w.	12 h'r	12 h'r	2	se.	d. clouds.
S. S. Furnessia, N. 50° 22′, W. 32° 56′ *†			50	10.0		w.			4		8		w.	4 h'r	4 h'r	h'vy	w.	squally.
S. S. Galatia, N. 33° 46′, E. 27° 21′*†	29.58	751.3	53	11.7		wsw.			5		8		w.	0	0	long	sw.	cloudy.
S. S. Carroll, N. 43° 15′, W. 65° 38′	29.96	761.0	65	18.3		nnw.			6		10		w.	0	0	sli't	w.	cloudy.
S. S. Labrador, N. 41° 17′, W. 64° 40′*†			10	—12.2		n.			2		3		nnw.	0	0	r'gh	wsw.	cloudy.
S. S. Wyoming, N. 49° 30′, W. 30° 08′	30.39	772.0	28.4	— 2		wnw.			4		6		n.	snow	snow	long	wnw.	cloudy
S. S. Bohemia, N. 40° 44′, W. 69° 20′	29.61	752.1	52	11.1		sw.			6		5		nw.	½ h'r	½ h'r		wnw.	snowy.
S. S. Westphalia, N. 40° 39′, W. 72° 10′						nne.			3		8		wsw.	3 h'r	3 h'r	mod.	wsw.	showery.
S. S. Virginian, N. 50° 49′, W. 11° 30′	30.36	771.1	25	— 3.9		n.			2–5		4		ne.	0	0	sm'h	n.	clear.
S. S. Archimedes, (Br) N. 23° 00′, W. 22° 20′			51	10.6		ssw.			3		1		n.	0	0	sm'h	nw.	clear.
S. S. Teniers, N. 0° 43′, W. 28° 22′	30.26	768.6				nne.			6				ssw.	3 h'r	3 h'r	long	wsw.	rainy.
S. S. Olbers, N. 7° 54′, W. 27° 02′	30.03	762.7	85.5	29.7	70	calm			4		5		nne.	0	0	mod.	var.	fair.
S. S. Archimede, (It.) N. 34° 58′, W. 61° 24′†	30.09	764.3	76	24.4	82	nne.			0	c; cs	6 kn		une.	0.30	7.6	4	nne.	d. clouds
S. S. Picqua, Lisbon, Portugal †	30.38	771.6	58	14.4		w.			5		7		ne.			3	nne.	d. clouds.
S. S. Oregon, Portland, Me	30.05	763.3	61	16.1	94	ne.			5		4		wsw.	6 h'r	6 h'r	h'vy	var.	fair.
S. S. Italy, N. 47° 12′, W. 33° 40′*	30.35	770.9	9	—12.8		wsw.			2					0	0			clear.
S. S. Muriel, St. Kitts, W.I	29.62	752 3	52	11.1	90	nw.			1									
S. S. Pennland, New York, N. Y.			79	26.1		e.			4		10		nw.	4 h'r	4 h'r	long	w.	overcast.
S. S. Vaderland, N. 43° 47′, W. 39° 09′	30.10?	764.5?	36?	2.2?	61	e.			4		0			shr's	shr's	sm'h		clear.
S. S. Waesland, N. 49° 10′, W. 21° 05′			54	12.2		nne.			4					8 h'r	8 h'r			hazy.
S. S. Amsterdam, N. 42° 36′, W. 50° 57′*			55	12.8		ssw.			4		5		w.	8 h'r	8 h'r	mod.	w;nw	fair.
S. S. P. Caland, N. 41° 14′, W. 59° 12′	30.15	765.8	60.1?	15.6?	86	sw.			7		10		ssw.	3 h'r	3 h'r	r'gh	w.	cloudy.
S. S. State of Nevada, N. 46° 43,′ W. 39° 34′			40.3	4.6	77	wnw.			5		5		sw.	6 h'r	6 h'r	cross	var.	misty.
S. S. Saxon, Boston, Mass			44	6.7		wnw.			6		10		wnw.	4 h'r	4 h'r	6	wnw.	
S. S. Marengo, N. 39° 10′, W. 60° 20′			15	— 9.4		wsw.			6		10		nw.	snow	snow	high	nw.	snowing.
S. S. Rialto, N. 42° 45′, W. 53° 40′			40	4.4		wnw.			1		5			0	0			fair.
Schr. Arthur Burton, Fernandina, Fla†	30.20	767.1	39	3.9		wnw.			5		4		nw.	4 h'r	4 h'r	long	nw.	
						ssw.			6		5?		nw.	3 h'r	3 h'r	r'gh	wnw.	cloudy.?
									1		4		ssw.	0	0	sm'h		fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		WEATHER.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from.	
District No. 1—North Atlantic.—Continued.																		
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.06	763.5	78	25.6	.....	ene.	.....	.....	5	.....	4	.....	ene.	0	0	.....	.....	clear.
S. Annie, N. 29° 14′, W. 27° 08′	.....	.....	.....	.....	.....	n.	.....	.....	5	.....	7	.....	nne.	sh'rs	sh'rs	mod.	nnw	cloudy.
Schr. Abbie H. Gheen, Mayport, Fla *†	30.31	769.9	60	15.6	.....	ssw.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 44° 45′, W. 16° 00′ *†	30.30	769.6	56	13.3	.....	ssw.	.....	.....	3	.....	4	.....	sw.	0	0	long	w.	clear.
Bk. Achille F, N. 30° —′, W. 40° —′ *†	30.51	774.9	69.5	20.8	75	se.	.....	.....	1	.....	10	.....	ese.	0	0	long	s.	cloudy.
Bk. Bore, N 46° 48′, W. 11° 05′	.....	.....	60	15.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	r'gh	var.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	77	25.0	.....	ne.	.....	.....	4	.....	3	.....	ne.	2 h'r	2 h'r	.....	.....	fair.
Bk. Cato, Oporto, Portugal†	30.10	764.5	57	13.9	91	ene	.....	.....	2	.....	.....	.....	.....	0	0	.....	.....	fair.
S. David Stewart, Orchilla Island, Venezuela	.....	.....	76	24.4	.....	ene.	.....	.....	5	.....	8	.....	e	light	light	long	n.	
Schr. Edith R. Seward, Berbice, British Guiana †	30.07	763.8	82	27.8	.....	ene.	.....	.....	1	.....	3	.....	ne.	0	0	.....	.....	clear.
U. S. Fish Com. S. S. Fish Hawk, Washington, D. C.	.....	.....	37?	2.8?	.....	calm	.....	.....	0	.....	10	.....	calm	0.01	0.3	.....	.....	cloudy.
S. Frank N. Thayer, N. 29° 13′, W. 40° 18′ *†	30.49	774.4	69.5	20.8	82	ese.	.....	.....	3	.....	10	.....	e.	0	0	sm'h	.....	d. clouds.
Bg. George, N. 23° 23′, W. 63° 20′ *†	30.28	769.1	.....	.....	.....	ne.	.....	.....	6	.....	10	.....	ne.	sh'rs	sh'rs	r'gh	ene.	rainy.
Bk. Galeon, N. 45° 15′, W. 12° 15′	.....	.....	55	12.8	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	nw.	blue sky.
S. Gatherer, N. 34° 38′, W. 45° —′†	30.30	769 6	68	20.0	89	wsw.	.....	.....	5	.....	10	.....	w.	½ h'r	½ h'r	.....	nw.	cloudy.
Bk. Heinrich & Tonio, N. 47° 57′, W. 19° 30′ *†	30.27	768.8	56	13.3	81	ssw.	.....	.....	4	.....	9	.....	ssw.	0	0	high	sw.	squally.
Bk. Hattie G. McFarland, Aspinwall, U. S. C	.....	.....	78	25.6	.....	ne.	.....	.....	6	.....	7	.....	ne.	3 h'r	3 h'r	.....	.....	
Schr. Jennie N. Huddell, Wilmington N. C	.....	.....	54	12.2	.....	s.	.....	.....	2	.....	10	.....	sw.	0	0	.....	.....	cloudy.
Bg. John Welsh, jr, N. 23° 36′, W. 56° 25′†	30.25	769.3	.....	.....	.....	ene.	.....	.....	5	.....	.....	.....	e.	.....	.....	h'vy	sw. e.	
Schr. John Bird, N. 22° 20′, W. 70° 30′	.....	.....	.....	.....	.....	e.	.....	.....	6	.....	10	.....	e.	1 h'r	1 h'r	h'vy	e.	cloudy.
Schr. Jenny Greenbank, N. 27° 24′, W. 58° 29′*	30.34	770.6	65	18.3	.....	ne.	.....	.....	4	.....	8	.....	ne.	8 h'r	8 h'r	mod.	nw.	rainy.
Bg. L. & W. Armstrong, N. 26° 11′, W 52° 58′†	30.32	770.1	.....	.....	.....	n.	.....	.....	1	.....	4	.....	n.	1 h'r	1 h'r	mod.	nnw.	rainy.
Lighthouse Tender Laurel, off Egmont Key, Fla †	30.27	768.8	66	18.9	.....	e.	.....	.....	1–2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Madrid, Savonla, Italy†	30.13?	765.3?	58	14.4	81	n.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Maggie Abbott, Gonaives. Hayti, W. I*†	30.08	764.0	.....	.....	.....	n.	.....	.....	5	.....	4	.....	.....	rain	rain	.....	.....	fair.
Bk. Rosina, N. 39° 18′, W. 72° 38′	30.32	770.1	32	0.0	.....	s.	.....	.....	5	.....	10	.....	.....	0	0	mod.	nw.	gloomy.
Bk. Sunbeam, N. 39° 06′, W. 11° 29 †	30.07	763.8	58	14.4	82	n.	.....	.....	8	.....	5	.....	n.	2 h'r	2 h'r	h'vy	nw	fair.
S. Stephen D. Horton, Antwerp, Belgium †	30.13	765.3	.....	.....	.....	wnw.	.....	.....	3	.....	5	.....	nw.	0	0	.....	.....	fair.
S. Tsemogora, N. 48° 33′, W. 23° 46′*†	29.87	758.7	.....	.....	.....	ssw.	.....	.....	5	.....	10	.....	sw.	0	0	cross	var.	foggy.
Bk. Tros, N. 45° 45′, W. 15° 47′*†	30.33	770.4	56	13.3	.....	ssw.	.....	.....	3	.....	2	.....	wsw.	0	0	long	nw.	fair.
S. Vincenzo Accame, N. 36° 10′, W. 16° 14′†	30.29	769.3	57.2	14	.....	nne.	.....	.....	6	.....	4	.....	n.	0	0	r'gh	var.	
District No. 2—South Atlantic.																		
U. S. S. Pinta, S. 52° 18′, W. 68° 14′	30.09	764.3	50	10.0	93	wnw.	.....	.....	2	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
H. M. S. Amethyst, Stanley, Falkland Islands	29.43	747.5	51	10.6	93	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Opal, Simons Bay, Cape Colony	29.86	758.4	67	19.4	74	se.	.....	.....	9	.....	2	se.	.....	.....	.....	.....	.....	squally.
H. M. S. Sylvia, Montevideo, Uruguay	30.01	762 2	66.2	19.0	82	n.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Tejo, S. 6° 03′, E. 12° 17′	30.00	762 0	83.3	28.5	92	ssw.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....	overcast.
H.P.M.S. Rainha de Portugal, Elephant Bay, Benguela	29.87	758.8	79.2	26.2	75	wnw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	blue sky.
S. S. Hevellus, Buenos Ayres, La Plata *†	30.05	763.3	71	21.7	.....	n.	.....	.....	3	.....	0	.....	.....	0	0	1	.....	clear.
S. S. Strassburg, S. 8° 08′, W. 33° 53′	30.06	763.5	82.0	27.8	77	nne.	.....	.....	1–2	.....	3	.....	var.	0	0	2	se.	clear.
S. Grecian, S 9° 20′, W. 31° 05′†	30.09	764.3	82	27.8	87	e.	.....	.....	2	.....	4	.....	e.	2 h'r	2 h'r	long	n.	clear.
S. Henry Failing, S. 5° 26′, W. 29° 58′*†	29.95	760.7	87	30.6	80	e.	.....	.....	1	.....	6	.....	e.	3 h'r	3 h'r	long	nne.	fair.
Bk. Horace Scudder, Loango, Guinea *†	30.05	763.3	81	27.2	.....	sw.	.....	.....	3	.....	2	.....	wsw.	0	0	.....	sw.	clear.
S. Ismir, S. 41° 12′, W. 33° 28′*†	29.60	751.8	.....	.....	.....	ssw.	.....	.....	3	.....	10	.....	nw.	0	0	.....	sw.	overcast.
Bkt. Levanter, Montevideo, Uruguay*	30.03	762.7	70	21.1	.....	n.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Mendoza, S. 32° 23′, W. 41° 34′†	30.05	763 3	.....	.....	.....	sse.	.....	.....	4	.....	.....	.....	ese.	0	0	sm'h	sse.	clear.
U. S. S. Nipsic, Punta Lara, La Plata*	29.95	760.7	70	21.1	90	n.	.....	.....	3	.....	2	.....	.....	.....	.....	.....	.....	clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.12	765.0	40	4.4	73	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Essex, Hong Kong, China	29.98	761.5	61	16.1	88	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Juniata, Roze Island, Corea	30.12	765.0	42	5.6	83	sw.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....	cloudy.
U. S. S. Pulos, Tientsin, China	30.09	764.3	38	3.3	31	nw.	.....	.....	4	.....	8	.....	calm	.....	.....	.....	.....	fair.
U. S. S. Ranger, Estero Real, Nicaragua	30.04	763.0	73	22.8	81	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
H.M.S. Audacious, Hong Kong, China	30.00	762.0	62	16.7	88	ene.	.....	.....	2	.....	5	ene.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Champion, Shanghai, China	30.10	764.5	54	12.2	80	se.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.09	764.3	51.2	10.7	78	n.	.....	.....	1–3	.....	8	.....	.....	.....	.....	2	.....	drizzling.
H. P. M. S. Tamega, Macao, China	29.98	761.5	66.2	19	95	.....	.....	.....	1	.....	5	.....	.....	72 mi	nutes	1	.....	drizzling.
U. S. S. Monocacy, Canton, China	29.97	761.2	57	13.9	87	nnw.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
S. S. City of Chester, San Francisco, Cal †	29.81	757.2	57	13.9	100	calm	.....	.....	0	.....	10	.....	.....	light	light	.....	.....	
S. S. Columbia, N. 38° 29′, W. 123° 27′*†	29.75	755.6	54	12.2	95	se.	.....	.....	2	.....	10	.....	se.	.....	.....	sm'h	se.	misty.
S. S. Oregon, Portland, Oregon †	29.74	755.4	46	7.8	92	calm	.....	.....	0	.....	10	.....	s.	.....	.....	.....	.....	hazy.
S. S. Alameda, N. 29° 53′, W. 140° 13′ †	29.82	757.4	59	15.0	94	nw.	.....	.....	3	.....	3	.....	nw.	0	0	mod.	nnw.	clear.
S. S. Ancon, San Francisco, Calf	29.83	757.7	57	13.9	94	se.	.....	.....	2	.....	10	.....	w.	2 h'r	2 h'r	.....	.....	cloudy.
S. S. State of California, San Francisco, Cal †	29.81	757.2	55	12.8	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	raining.
S. S. City of Pekin, N. 30° 00′, W. 179° 00′†	30.25	768.3	56	13.3	63	e.	.....	.....	4	.....	5	.....	w.	0	0	long	nw.	fair.
S. S. City of Rio de Janeiro, N. 31° 56′, E. 161° 57′†	29.89	759.2	59	15.0	.....	n.	.....	.....	5	.....	.....	.....	nw.	.....	.....	long	w.	cloudy.
S. S. City of Tokio, N. 25° 18′, E. 119° 58′†	30.06	763.5	53	11.7	73	ne.	.....	.....	4	.....	10	.....	ne,	.....	.....	mod.	ne.	light rain.
S. S. Colima, N. 9° 40′, W. 85° 40′†	29.90	759 4	79	26.1	70	n.	.....	.....	4	.....	1	.....	calm	0	0	small	n.	fair.
S. S. Granada, N. 25° 27′, W. 113° 10′†	30.06	763.5	68	20.0	95	calm	.....	.....	0	.....	8	.....	s.	0	0	light	s.	foggy.
S. S. San Jose, Panama, Panama	.....	.....	77	25.0	95	nw.	.....	.....	3	.....	3	.....	nw.	0	0	.....	.....	clear.
S. S. Benalder, Yokohama, Japan	30.16	766.1	51	10.6	72	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. St. Francis, N. 38° 00′, W. 127° 15′	.....	.....	52	11.1	86	w.	.....	.....	2	.....	10	.....	w.	0	0	mod.	se.	hazy.
District No. 4—South Pacific.																		
U. S. S. Wachusetts, S. 19° 42′, W. 70° 22′	29.97	761.2	68	20.0	89	sse.	.....	.....	2	.....	5	.....	calm	.....	.....	long	ssw.	fair.
H. M. S. Espeigle, S. 41° 17′, E. 174° 48′	29.92	760.0	51	10.6	93	sse.	.....	.....	2–4	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	29.90	759.4	61.3	16.3	81	s.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.94	760.5	75	23.9	100	sw.	.....	.....	1	.....	6	se.	.....	.....	.....	.....	.....	d. clouds.
S. S. City of Sydney, S. 16° 53′, W. 171° 55′ *†	29.81	757.2	81	27.2	83	se.	.....	.....	1	6 cs	.....	se.	.....	.....	.....	light	e.	fair.
S. S. Zealandia, S. 31° 44′, E. 179° 28′	30.03	762.7	72	22.2	71	nw.	.....	.....	2	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 27° 08′, E. 34° 21′	29.92	760.0	78	25.6	61	w.	.....	.....	1–2	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
H. M. S. Magpie, N. 6° 34′, E. 99° 28′	29.80	756.9	82.5	28.1	76	w.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	misty.
H. M. S. Tourmaline, British Sound, Madagascar	29.84	757.9	80	26.7	96	calm	.....	.....	0	.....	5	.....	.....	.....	.....	sm'h	.....	d. clouds.
S. Orealia, S. 40° 38′, E. 60° 25′*	29.71	754.6	.....	.....	.....	w.	.....	.....	6	.....	1	.....	w.	0	0	sm'h	w.	clear.

International Chart I. March 5, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.
Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 6 1884

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours			29.84	758.0	58.6	14.8	83	W.			8		10			0.079	2.0	covered	Roziers.
Algiers			29.82	757.5	57.2	14.0	78	W.			8		10			0.189	4.8	covered	Théve.
La Calle			29.82	757.3	58.3	14.6	65	E.			4		5			0	0	cloudy	Fonfrède.
Tunis			29.90	759.4															Delord.
Geriville			29.91	759.7	44.6	7.0	88	ne.			2		5			0	0	cloudy	Forfert.
Laghouat			29.92	760.0	61.5	16.4		W.			2		8			0.512	13.0	very cloudy	Abraham.
Biskra			29.82	757.3	60.4	15.8	87	calm			0		10			0.669	17.0	covered	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia			30.07	763.8	80.3	26.8	42	e.	4	1.8		10 cs				0	0		Charles Todd, C. M. G.
Hobart Town, Tasmania	29.94	760.5	30.13	765.3	66.5	19.2	63	n.	15	6.7			0			0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.01	762 2	30.10	764.5	73.5	23.1	57	ne.	4	1.8			2			0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.52	749.8	30.08	764.1	45.7	7.6	43	se.			3		7			0	0		Prof. Ivan Stozir.
Oracow, I. R Observatory	29.26	743.1	30.06	763.6	30.7	— 0.7	79	e.	11.2	5.0			10			0	0		Dr. Wierzbiski
Eperies	29.21	741.9	30.13	765.2	35.2	1.8	85	s.			2		10			0	0		Julius Mikolik.
Gratz	28.80	731.4	30.09	764.2	39.4	4.1	87	calm			0		10			0	0		Andreas Rospini.
Hermannstadt	28.67	728.1	30.15	765.9	37.0	2.8	93	sse.			3		0			0	0		Prof. A. Gottschling
Kremsmunster, Obs'y	28.64	727.4	30.04	762.9	34.0	1.1	96	calm			0		10			0.343	8.7		The Staff.
Lemberg	29.17	740.9	30.21	767 4	29.5	— 1.4	72	se.			2		10			0	0		Dr. T. Stanecki.
Pola	29.92	759.9	30.03	762.8	48.9	9.4	62	nw.			3		8			0	0		I. R. Hydrographic Office.
Szathmar	29.67	753.7	30.16	766.1	34.7	1.5	83	s.			2		4			0.031	0.8		Joseph Midlinszky, S. J
Szegedin	29.84	757.9	30.13	765.3	39.9	4.4	47	se.			2		4			0	0		Karl Stancel.
Trieste	29.98	761.5	30.08	764.0	48.6	9.2	61	nw.			1		10			0	0		Royal Academy.
Vienna	29.34	745.2	30.09	764.2	35.2	1.8	90	calm			0		10			0.047	1.2		I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.72	729.6	30.15	765.7	42.6	5.9	65	sw.			1		2			0.039	1.0		
Brussels	29.98	761.4	30.18	766.6	45.5	7.5	81	nw.			2		10	n.	nnw.	0	0		
Furnes	30.18	766.6	30.20	767.1	48.7	9.3	74	nw.			0–1		4			0	0		
Maeseyck	30.06	763 4	30.18	766.6	46.4	8.0	93	w			1		10			0	0		
BRITISH.																			
Aberdeen	29.90	759.4	30.00	762.0	45.3	7.4	82	s.	17	7 6			6			0	0	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y			30.11	764.8	51.1	10.6	59	ssw.	14	6.3			6					d. clouds	John Hartnup.
Bolton, Sharples	29.57	751.1	30.12	765.0	48.2	9.0	83	ssw.					7					misty	Thomas Mackereth.
Bradford, Yorkshire	29.70	754.4	30.10	764.5	48.9	9.4	73	w.			2		8			0.01	0.3	d. clouds	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.03	762.7	30.06	763.5	80	26.7	70	ne.			1		8					overcast	Corp'l C. McGregor, A.H.C
Cardington					44.8	7.1	82	w.			0.6		9					overcast	John McLaren.
Chatham, School M. E	30.02	762.5	30.20	767.1	51.7	10.9	69	calm			0		7					misty	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.97	761.2	30.20	767.1	48.8	9.3	75	s.			3		7					d. clouds	The Staff.
Fort Napier, Natal	27.58	700.5	29.89	759.2	78.0	25.6	75	ne.			1		7					d. clouds	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone																			J. W. Smith.
Galway, Queen's College	29.89	759.2	29.93	760.2	47	8.3	92	sw.			3		8			0.16	4.1	threatening	Wm. Ryan.
Gibraltar, Mediterranean	30.04	763.0	30.14	765.5	58.4	14.7	91	se.			4		10					raining	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	30.01	762.2	30.18	766.0	49.1	9.5	65	wsw.			1		7					misty	The Staff.
Guernsey	29.95	760 7	30.25	768 3	47.3	8.5	83	s.			1		6					d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	30.16	766.1	30.20	767.1	47.2	8.4	72	w.	4	1.8			4					misty	The Staff.
Leicester, Museum	29.90	759.4	30.16	766 1	51.2	10.7	76	w.			1		8					blue sky	J. C. Smith.
Malta, Mediterranean	29.68	753.9	29.76	755.9	56.0	13.3	78	e.			2		9			0.11	2.8	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.18	766 6	30.23	767.8	75.0	23.9	72	se.			2		9					overcast	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.96	761.0	30.18	766.6	48.6	9.2	76	w.			2		0					blue sky	The Staff.
Plymouth	30.13	765.3	30.20	767.1	48.4	9.1	89	s.			2		2					d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.75	755.6	29.85	758 2	45	7.2	90						1					blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.11	764.8	30.18	766.6	38.8	3.8	82	ne.			2		10					showery	W. H. Lyne.
Sheffield	29.83	757.7	30.12	765.0	52.9	11.6	61	sw.			1		1					blue sky	W. F. Cooper.
Silloth Rectory	30.03	762.7	30.06	763.5	49.0	9.4	79	sw.			3		10			0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory			30.12	765.0	49.6	9.8	72	wsw.	10	4.5			7			0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss					50.6	10.3	80	sw.			1.5		5					d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.91	759 7	29.93	760.2	49.4	9.7	89	s.	38	17.0			10					raining	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.46	748 3	29.86	758.4	55.0	12.8	84	e.	17.4	7.8			10 n		e.	0.12	3.0	raining	Rev Jos. Micali, S.J.
Hong Kong Obs'y, China	29.76	755.9	29.88	758.9	61.6	16.4	99	e.	25	11.2			10 n		se.	1.900	48.3	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B																		snowing	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.11	764.8	30.15	765.8	6.0	—14.4		sw.	3	1.3			10 n					light snow	H. J. Cundall, C. E
Chatham, N. B	30.12	765.0	30.17	766.3	18	— 7.8	97	se.	13	5.8			10 n			0.150	3.8	light snow	G. A. Blair.
Cornwall, Ontario	30.10	764 5	30.17	766.3	6	—14.4	96	e.	2	0.9			10 n		e.	0.01	0.3	light snow	Jas. Smith, M. A.
Dalhousie, N. B	29.82	757.4	30.03	762.7	11 8	—11.2	96	nw.			1		10 n			0.020	0.5	snowing	H. A. Johnson.
Farner Point, Quebec	30.08	764.0	30.13	765.3	3.0	—16.1		n.			1		10 n					snowing	J. McWilliams
Fort Garry, Manitoba	29.99	761.7	30.01	762.2	11	—11.7	91	sw.	7	3.1			10 n			inap.	inap.	light snow	James Stewart.
Fredericton, N. B	29.37	746 0	30.37	771.4	—26	—32.2	100	w.	4	1.8			10 n			0	0	cloudy	Dr. Thos. Harrison.
Grand Manan, N. B	30.02	762 5	30.09	764 3	12.1	—11.1	94	calm	0	0			10 n			0.150	3.8	snowing	J. Chipman Seeley
Granton, Ontario	29.98	761.5	30.04	763.0	28	— 2.2	88	se.	10	4.5			10 s		se.	0	0	cloudy	Jas. Grant.
Halifax, N. S	28 98	736 1	30.18	766.6	14.5	— 9.7	97	calm	0	0			10 n			0	0	overcast	A. Allison.
Hamilton, Ontario	30.00	762.0	30.13	765.3	24	— 4.4	100	e	15	6.7			10 n			0.14	3.6	heavy snow	Geo. Dickson, B. A
Kingston, Ontario	29.68	753 9	30.11	764.8	17.7	— 7.9	88	ne.			1	9 ck	0	sw.		0	0	d. clouds	A. P. Knight, M. A.
Little Glace Bay, N. S	29.75	755.6	30.11	764.8	16	— 8.9	87	ne.	4	1.8			10 n		n.	0.01	0.3	light snow	C. H. Rigby.
London, Ontario	30.16	766.1	30.20	767.1	20.0	— 6.7	92	sw.	6	2.7			10 n			0.200	5.1	snowing	E. B. Reed.
Medicine Hat, N. W. T	29.18	741.2	30.16	766.1	15.8	— 9.0	74	calm			0		10 n			0.050	1.3	snowing	John Ewart.
Minnedosa, N. W. T	27.88	708.1	30.22	767.6	—21	—29.4	76	s.	20	8.9		0	0			0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec	28.09	713.5	30.38	771.6	—25	—31.7	100	nw.	8	3.6		0	5 k		nw.	0	0	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.83	757.7	30.06	763.5	9	—12.8	91	n.	3	1.3			10 n			0.01	0.3	light snow	A. McGill, M. A.
Parry Sound, Ontario	29.84	757.9	30.08	764.0	9.8	—12.3	94	ene.					10 s					snowing	Rev. R. Mosley.
Peterboro, Ontario	29.38	746.2	30.16	766.1	1	—18.3	87	w.	5	2.2		2 cs	0	w.		0	0	fair	Wm. O'Connor, M.A.
Port Arthur	29.27	743 4	30.08	764.0	9.7	—12.4	67	w.			1	10 cs	0	w.		0	0	overcast	W. P. Cooke.
Port Dover, Ontario	29.46	748.3	30.27	768.8	— 7	—21.7	82	s.	5	2.2		0	0			0	0	clear	H Morgan.
Port Stanley, Ontario	29.40	746.7	30.15	765.8	17	— 8.3	83	n.	2	0.9		10 ck	0	nw.		0	0	cloudy	M. Payne.
Qu Appelle, N. W. T	29.45	748.0	30.15	765.8	18	— 7.8	70	calm	0	0			10 n		n.	0	0	cloudy	Leslie Gordon.
Quebec, Quebec	27.76	705.1	30.44	773.2	—24	—31.1		w.	6	2.7		0	0			0	0	clear	Capt. Asne, R. N.
Rockliffe, Ontario	29.04	752.8	30.03	762.7	9	—12.8	83	calm	0	0			10 s		w.	0.03	0.8	light snow	W. H. McIntyre.
St. Andrews, N. B	29.57	751.1	30.08	764.0	2	—16.7	87	W.	2	0.9			10 s		w.	inap.	inap.	cloudy	
St. John, N. B	29.98	761.5	30.04	763.0	26	— 3.3	96	se.	7	3.1			10 n			0.03	0.8	light snow	
St. Pierre, N. F	29.93	760.2	30.08	764.0	25.8	— 3.4	94	e.	8	3.6			10 n			inap.	inap.	snowing	G. Hutchinson.
Saugeen, Ontario			30.36	771.0	19.4	— 7.0		W.			1								The Commandant.
Stratford, Ontario	29.38	746.2	30.17	766.3	6	—14.4	91	calm	0	0		2 cs	0			0	0	clear	
	28.75	730.2	30.14	765.5	14.1	— 9.9	91	calm	0	0			10 s			0	0	d. clouds	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
Canadian.—Continued.																			
Sydney, C. B*	30.26	768.6	30.33	770.4	9	—12.8	100	calm	0	0			10 n			0.01	0.3	light snow..	T.C.Hill, C.E.
Toronto, Ontario*	29.76	755 9	30.18	766.6	15	— 9.4	87	n.	6	2.7			10 n			0.01	0.3	light snow..	Magnetic Observatory.
Woodstock, Ontario	29.04	737.6	30.19	766.8	15.9	— 8.9	95	nw.	1	0.4			10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.92	760.0	29.98	761.5	26	— 3.3	80	e.	12	5.4			10 n			0.10	2.5	light snow...	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt.House	30.01	762.2	30.04	763.0	68.0	20.0	95	ne.					10 n			0	0	cloudy	I. Garfelt.
Cape Town, The Castle	29.65	753.1			79.5	26.4	38	se.				0	2 k			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.92	709.2			67	19.4	64									0	0		J. T. Eustace
Chilian.																			
Iquique																			Rafael Moreno.
Niebla	29.54	750 2	29.64	752 9	59.0	15.0	93	nw.			1		7		nw.			drizzling	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					58.1	14.5	83	s.			2	0				0	0	clear	Leon Herrera.
Valparaiso	29.82	757 5	29.97	761.1	60.4	15.8	89	sw.			1		10					cloudy	Paez-I-Ampuero.
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.99	761.8	30.02	762.4	45.0	7.2	95	ne.	13.4	6.0			10 n			0.713	18.1	raining	M.Marc Dechevrens,S. J
Danish.																			
Copenhagen	30.15	765.8	30.20	767.0	36.3	2.4	74	sse.	20	9			1						Oversergent Fischer.
Fanöe	30.10	764.5	30.12	765.0	42.6	5.9	90	w.			4		5						Overloerer Lauridsen.
Godthaab, Greenland	29.11	739.4	29.15	740.5	— 0.4	—18.0	100	nw.			4		10					snowing	S. Kleinschmidt.
Ivigtut, Gree land	29.20	741.6	29.22	742.1	8.2	—13.2		nw.			6		10						
Stykkisholm, Iceland	29.36	745 8	29.41	746.9	37.4	3.0	91	calm			0		10					raining	A. O. Thorlacius.
Thorshavn	29.54	750.4	29.57	751.0	45.1	7.3	94	se.	20	9			10					raining	Overloerer Bergh.
Upernavik, Greenland	28.62	727.0	28.67	728.2	28.9	— 1.7		se.			2		6						
Vestervig	29.97	761.1	30.06	763.4	40.8	4.9	97	w.			4		10						Loerer Oesterbol.
Egyptian.																			
Cairo	29.78	756 3			71.6	22		ne.	4.7	2.1			0			0	0		Albert Ismaïun, Dir.
French.																			
Agen, Normal School	29.54	750.4	30.21	767.3	51.4	10.8	58	nne.			2	2 ck				0	0	misty	M. Labroue, Director.
Alençon, Normal School	29.08	753.9	30.23	767.9	44.2	6.8	88	n.			1		2 k		s.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.86	758.5	30.11	764.7	49.8	9.9	53	e.			1		2		e.	0	0	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.96	760 9	30.04	762 9	54.0	12.2	41	nnw.			4		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.62	752.3	30.19	766 8	46.0	7.8	65	e.			1		5		ne.	0.071	1.8	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.95	760.6	30.22	767.6	47.1	8.4	67	e.			1		2		nne.	0	0	slightly cl'dy	M. Frère Eugène Marie.
Besançon, Normal School	29.19	741.4	30.10	764 6	46.9	8.3	69	e.			1		kn		sw.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.93	760.1	30.19	766.9	50.7	10.4	44	nw.			1		2		nne.	0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.67	753.5	30.23	767 8	47.8	8.8	58	n.			1		5		n.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	30.02	762.4	30.26	768.6	56.5	13.6	73	s.			1		1		s.	0.020	0.5		M. de Kermarec, Dir.
Caen, Normal School	30.18	766.5	30.25	768.4	52.2	11.2	95	s.			1		5		n.	0	0	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l	29.77	756.2	30.10	764.5	44.6	7.0	87	s.			1		2			0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.64	752.9	30.12	765.1	45.3	7.4	66	n.			1		8		sw.	0	0	¼ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.78	730.9	30.17	766.3	43.5	6.4	49	n.			2		10			0.004	0.1		M. Alluard, Director.
Cluny, Normal School	29.29	744.0	30.20	767.1	45.5	7.5	53	nnw.			1		8		n.	0.051	1.3	very cloudy	M. de Villemontés, Dir.
Commercy, Normal School	29.31	744.4	30.20	767.1	41.0	5.	76	nw.			1		8 n	nw.	nw.	0.031	0.8	very cloudy	Dr. Coulet, Director.
Gap, Normal School	27 44	697 0	30.01	762 3	47.5	8.6	52	n.			1		7 kn			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.87	733.2	29.99	761.8	55.9	13.3	52	w.			1		9		sw.	0	0		M. Kina, Director.
Grenoble, Normal School	29.28	743.8	30.06	763 5	51.8	11.	86	wnw.			8		kn		n.	0	0		M. Ablard, Director.
Guéret, Normal School	28.55	725.1	30. 8	766 5	41.0	5.	69	ne.			1	5 ck			ne.	0	0	cloudy	M. Delorme, Dir.
Lamballe Normal School																			M. Polipre, Dir.
Lescar, Normal School	29.69	754.2	30.24	768.0	51.6	10.9	49	ne.			1		kn			0.138	3.5		M. Chauvin, Director.
Lorient, Naval Observatory	30.18	766.5	30.28	769.1	54.3	12.4	63	ssw.			1		5	sw.	e.	0	0	fair	L. T. Carré, Director.
Lyon, St. Genis-Laval	29.05	737.9	30.13	765.3	46.2	7.9	55	n.			4		5 kn		n.	0	0	cloudy	M. Andié, Director.
Mans, Normal School	29.94	760.4	30.26	768 5	41.9	5.5	85	ne.			1	2 ck			ne.	0	0	slightly cl'dy	M Richard, Director
Marseille, Observatory	29.71	754.6	29.98	761 5	58.5	14.7	51	wsw.			1		10		wnw.	0	0		M. Stephan, Director.
Montlouis	24.74	628.4	29.58	751.4	38.3	3.5	61	w.	11.2	5.0			6	w.		0	0		M Cave for Dr. Fines.
Montpellier, Normal School	29.91	759.6	30.02	762 4	58.3	14.6	63	n.			1		1	nw.		0	0	clear	M. Galzin, Director.
Nancy, Normal School	29.39	746.4	30.19	766 9	43.2	6.2	70				1				ne.	0.035	0.9		M. Hasse, Director.
Nantes, Observatory	30.13	765.2	30.29	769.4	49.5	9.7	63	nne.			0–1		6 k; kn		nne.	0	0		M. Larocque, Director.
Perpignan, Observatory	29.95	760.8	30.07	763.7	52.5	11.4	51	nw.	16.8	7.5			10		n.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.11	536.1			29.5	— 1.4		calm			0		0			0.079	2.0	clear	M. Vaussenat, Director.
Privas, Normal School	29.01	736.8	30.09	764.3	48.6	9.2	50	n.			1		10	n.	n.	0	0	covered	M. Taillieu.
Puy de Dôme Obs'y, Summit	25 14	638.5			27.5	— 2.5	100	ene.			3		8		ene.	0.075	1.9	foggy	M Alluard.
Rochefort, Naval Obs'y	30.21	767 3	30.24	768.1	54.6	12.6	45	nne.			1		0			0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	30.02	762 5	30.24	768.1	48.9	9.4	76	ne.			1					0	0		M. Brothier, Director.
Rodez, Normal School	27.98	710 6	30.14	765.6	48.7	9.3	78	nw.			2		1		se.	*0.08	2.	clear	M. Seger, Director.
Rouen, Normal School	30.20	767.0	30.24	768.2	46.0	7.8	89	nw.			1		0			0	0	clear	M. Moutiot, Dir.
Saint Maur, Observatory	30.05	763.2	30.21	767 4	46.6	8.1	77	n.			1		10		nw.	0	0		M. Renou, Director.
Toulouse, Observatory	29.43	747.6	30.16	766.1	50.5	10.3	71	wnw.			1		8	nw.		0.047	1.2	very cloudy	M. Baillaud, Director.
Tours	30.05	763 3	30.23	767 9	50.0	10.0	66	nw.			1			ne.	ne.	0	0		M. de Tastes.
Versailles, Observatory	29.71	754.6	30.20	767.0	42.1	5.6	91	n.			10?		5			0	0	fair	M. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	30.04	763.0	30.19	766.8	53.4	11.9	45	ne.	5.8	2.6			3 k		n.	0	0		M. Cartier, Director.
German.																			
Ansbach	28.60	726.5	30.11	764 7	37.4	3.0	85	n.			2		10	n.		0.114	2.9		Prof. Jnedt.
Bamberg	29.20	741.7	30.04	763.1	39.6	4.2	70	nw.			2		8 n		nw.	0.197	5.0		Prof. Dr. Hoh.
Berlin	29.95	760.6	30.10	764.4	43.2	6.2	47	se.			2		0			0	0		Meteorological Institute
Breslau	29.61	752.1	30.14	765.6	34.3	1.3	63	se.			2		1			0	0		Royal University Obs'y
Carlsruhe	29.67	753 6	30.14	765.5	46.4	8.0	59	n.			1		10	ne		0	0		Albert Senz.
Cassel	29.36	745.8	30.08	763.9	42.1	5.6	83	nw.			5		8	nw.		0.028	0.7		Dr. H. Möhl.
Frankfort-on-the-Main	29.74	755 3	30.11	764 7	47.8	8.8	58	nw.			1		8			0.142	3.6		Physical Society.
Friedrichshafen	28.67	728.1	30.13	765.2	41.0	5.0	87	nw.			2		10	nw.		0.043	1.1		Wilhelm, Chief Tel.
Hamburg	30.06	763.4	30.15	765 7	39.2	4.0	88	calm			0		10	ne.		0.204	6.7		E. Preller.
Leipsic, Astrom'l Obs'y	29.64	752.8	30.07	763 8	41.0	5.0	78	nne.			1		10			0.189	4.8		Prof. Dr.G. Karsten.
Magdeburg	29.90	759.4	30.10	764.4	40.3	4.6	81	ese.			1		8			0.008	0.2	foggy	H. Leppig, Asst.
Memel	30.29	769.4	30.34	770.6	33.1	0.6	56	e.			3		10 s			0.004	0.1		Weather Observatory.
Munich	28.22	716 8	30.09	764.2	34.7	1.5	93	nw.			2		10	w.		0.244	6.2		Isermann.
Neufahrwasser	30.27	768.8	30.28	769 2	32.2	0.1	74	se.			2		10			0	0		Central Station.
Neustadt, Palatinate	29.58	751.2	30.10	764.6	46.8	8 2	57	n.			2		6	w.		0	0		A. Lothes.
Stuttgart	29.14	740.1	30.06	763.4	43.7	6.5	71	w.			4		8	n.		0.035	0.9		Prof. Dicknether.
Wustrow	30.11	764 9	30.14	765.5	40.1	4.5	65	se.			2		0			0	0		Prof. Dr. Schoder.
Greek.																			
Athens	29.70	754.3	30.09	764 3	51.1	10.6		n.			3.5	7	0			0	0		Profs. Brandes & Reimer
Indian.																			
Kurrachee	29.81	757 1	29.86	758.4	76.1	24.5	57	sw.	25.0	11.2			0			0	0	blue sky	Kokkides & Wourlisch.
Deesa	29.32	744.7	29.79	756.6	85.6	29.8	12	w.	15.0	6.7			0			0	0	blue sky	
Bombay	29.84	758.0	29.88	758.9	78.8	26.0	70	nw.	20.0	8.9			0			0	0	blue sky	
Poona, Yarrowda	27.99	710 9	29.82	757.4	85.6	29.8	17						0			0	0	blue sky	
Belgaum	27.29	693.0	29.70	756.6	83.0	28.3	42	wsw.	11.0	4.9			0			0	0	blue sky	
Lahore	29.07	738.5	29.83	757.6	71.8	22.1	29	calm	0	0			2	n.	e.	0	0	d. clouds	
Roorkee	28.87	733 3	29.77	756 1	77.7	25.4	18	w.	2.0	0.9			3			0	0	d. clouds	
Agra	29.25	743.0	29.82	757.4	79.9	26.6	25	nw.	2.0	0.9			4	e.		0	0	d. clouds	
Nagpur	28.73	729.8	29.75	755 6	91.5	33.1	26	calm	4.0	1.8			8		w.	0	0	d. clouds	
													6		w.	0	0		

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.45	722 6	29.79	756.6	86.0	30.0	23	nw.	6.0	2.7			1		w.	0	0	blue sky	
Lucknow	29.41	747.1	29.79	756.6	80.2	26.8	30	wnw.	2.0	0.9			0			0	0	blue sky	
Allahabad	29.49	748.9	29.80	756.8	83.7	28.7	23	nw.	2.0	0.9			0			0	0	blue sky	
Patna	29.56	750.9	29.75	755.6	83.2	28.4	23	nw.	7.3	3.3			0			0	0	blue sky	
Hazaribagh	27.78	705.6	29.78	756.5	78.5	25.8	21	wnw.	10.0	4.5			0			0	0		
Cuttack	29.74	755.5	29.82	757.5	89.6	32.0	44	sw.	1.0	0.4			0			0	0	blue sky	
Calcutta, Alipore	29.73	755.1	29.75	755.6	88.2	31.2	25	wnw.	4.0	1.8			0			0	0	blue sky	
Dhubri	29.60	751.7	29.71	754.7	79.5	26.4	28	calm	0.9	0.4			0			0	0	blue sky	
Chittagong	29.73	755.0	29.82	757 4	77.5	25.3	86	sw.	5.8	2.6			0			0	0	misty	
Sibsagar	29.44	747.8	29.78	756.5	67.7	19.8	82	ne.	2.0	0.9			4		e.	0.90	22.9	blue sky	
Jeypore	28.36	720 3	29.79	756.8	81.4	27.4	29	wsw.	2.5	1.1			0			0	0	blue sky	
Zanzibar	29.79	756.7	29.82	757.3	84.3	29.1	74	ene.	9.0	4.0			1		ene. e.	0	0	d, clouds	
Bellary	28.33	719.6			92.5	33.6	11	e.	4	1.8		0	0			0	0	blue sky	
Trichinopoly	29.50	750.8			93.3	34.1	22	e.	0.3	0.1		0	0			0	0	blue sky	
ITALIAN.																			
Udine	29.62	752.4	30.04	763.0	50.0	10.0	50	se.	3.1	1.4			9			0	0		Prof. Giovanni Clodig.
Milan	29.50	749.4	30.03	762.8	52.3	11.3	54	e.	5.6	2.5			5		nw.	0	0		Prof. G.V.Schiapparelli
Padua	29.92	760.0	30.04	762.9	49.1	9.5	59	e.	1.8	0.8			10		w.	0	0		Prof. Dott. Lorenzoni.
Moncalieri	29.07	738.4	29.98	761.6	53.6	12.0	48	s.	3.1	1.4			6		nw.	0.134	3.4		Prof. F. F. Denza.
Genoa	29.78	756.5	29.98	761.4	55.4	13.0	43	se.	2.5	1.1			10		se.	0	0		Prof. G. M. Garibaldi.
Pesaro	29.97	761.2	30.02	762.5	47.7	8.7	82	ne.	8.7	3.9			4			0	0		Prof. Luigi Guidi.
Florence	29.71	754.5	29.90	761.0	54.5	12.5	40	w.			2		4		w.	0	0		Prof. Costantino Pittei.
Leghorn	29.84	758.0	29.93	760 2	55.2	12.9	53	wsw.	6.3	2.8			4			0	0		Prof. P. Monte.
Rome	29.77	756.2	29.95	760.7	57.7	14.3	45	wnw.	1.8	0.8			8			0	0		Prof. P. Tacchini.
Lecce	29.71	754 7	29.97	761.2	55.4	13.0	55	ene.	13.6	6.1			7			0	0		Prof. C. de Giorgi.
Cosenza	29.10	739.2	30.00	762.1	51.4	10.8	75	ssw.	1.8	0.8			9		w.	0	0		Prof. D. Conti.
Palermo	29.64	752.9	29.89	759 3	55.4	13.0	65	ne.	3.8	1.7			10			0	0		Prof. G. Caccatore
Syracuse	29.85	758.3	29.90	759.4	55.9	13.3	76	ese.	28.0	12.5			10		ese.	0.394	10.0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.42	747.2			55.8	13.2	47	se.	0.7	0.3			8		sw.	0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	30.01	762.3	30.04	763 2	37.3	2.9	72	nw.			4	6ck;cs	0		w.	0	0	fair	H. Hattori.
Awomori	29.91	759.7	29.95	760.7	34.8	1.6	69	nw.	9.0	4.0		0	5 ck		w.	0.217	5.5	fair	K. Ogawa.
Hakodate	29.91	759.8	29.92	760.1	31.8	0.1	69	wnw.	30.0	13.4		0	10 s		nw.	0.305	7.7	overcast	Y. Souma.
Hamamatsu	30.02	762 5	30.12	765.0	47.8	8.8	62	calm			0	0	7 s		w.	0	0	fair	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.10	764.5	30.12	765.0	45.2	7.3	89	se.	0.1	0.04			10 n		sw.	0.485	12.3	raining	Y. Okamoto.
Kagoshima	30.08	764.0	30.09	764.3	55.9	13.3	80	e.			2		10 s			0.559	14.2	overcast	
Kanazawa	30.01	762.2	30.11	764.8	45.1	7.3	89	sw.	1.4	0.6			10 s		w.	0	0	overcast	S. Endo.
Kioto	29.96	760.9	30.13	765 3	46.7	8.2	89	n.	1.2	0.5			10 n		sw.	0.025	0.6	light rain	M. Tojima.
Kochi	30.10	764.6	30.12	765.1	52.1	11.2	80	sse.	0.1	0.04		10 ck;cs	0		w.	0.242	6.2	overcast	K. Kusunose.
Miasaka	30.09	764 2	30.11	764.9	52.:	11.2	93	nnw.			1		10 s		w.	0.193	4.9	covered	K. Masusaki & T. Ishitain.
Miyako	29.78	756.3	29.89	759.1	41.0	5.0	58	wsw	9.4	4.2		0	0			0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.86	758.4	30.06	763.5	52.7	11.5	84	calm	0	0			10 s			1.190	30.2	overcast	
Nemuro	29.64	752.8	29.69	754.1	33.0	0.6	89	s	1.2	0.5			10 s			0	0	cloudy	A Shibuya.
Niigata	30.05	763.3	30.08	764.0	42.9	6.1	84	w.	3.3	1.4			10 n			0.065	1.6	light rain	Satoo & Tomikawa.
Nobiru	29.97	761.3	29.99	761.7	40.5	4.7	79	nw.	20.3	9.0			1 ks			0	0	clear	Yoshino & Midzushina.
Numadzu	30.01	762 2	30.05	761.2	53.8	12.1	51	sw.			7	9ck;cs	0		w.	0	0	cloudy	T. Ohgi.
Osaka	30.11	764.9	30.13	765.3	48.4	9.1	83	wnw.	2.4	1.1			10 s			0.010	0.2	cloudy	a. Omura.
Sakai	30.08	763 9	30.09	764.1	49.2	9.6	70	nw.			2		10 ks		wsw.	0.181	4.6	cloudy	Yamawchi & Sakamoto.
Sapporo	29.78	756.4	29.85	758.2	29.0	1.7	85	nw.	14.8	6.6			10 n;s		w.			snowing	S. Kimura.
Shimonoseki	29.93	760.2	30.07	763 9	44.6	7.0	97	ene.			2		10 s		e.	0.496	12.6	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.94	760.6	30.02	762.6	48.8	9.3	61	wsw.	9.2	4.1		6ck;cs	0		w.	0	0	fair	The Staff.
Wakayama	30.06	763.6	30.11	764.9	50.8	10.4	76	calm	0	0		10 ck;cs	0		w.	0.113	2.9	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.73	755 1	29.92	760.0	82.8	28.2	65	ene.	12.0	5.4		0	0 kn;ks		e.	0	0	fair	The Staff.
MEXICAN.																			
Leon	24.37	619.0	30.13	765.3	51.8	11.0	69	calm	0	0		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.08	753.7	29.94	760.3	71.0	21.7	73	nnw.	0.9	0.4		0	0			0	0	foggy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.20	767.1	30.20	767.1	47.5	8.6		nnw.			3					0	0		
Groningen	30.10	764.4	30.15	765.8	44.2	6.8		n.			1					0	0		
Helder	30.16	766.1	30.16	766.1	43.2	6.2		sw.			2					0	0		
Hellevoetsluis	30.19	766.7	30.19	766.7	47.8	8.8	64	calm			0					0	0		
Utrecht	30.14	765.5	30.19	766.7	48.0	8.9	51	w.			2		3			0	0	lightly cl'dy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.82	757.4			75.7	24.3	92	s.	0.5	0.2			9			0.114	2.9		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.97	761 3	30.04	762.9	41.0	5.0	84	ssw.	7	3			10			0.118	3.0		
Brono	29.98	761.4	30.02	762.4	37.9	3.3	78	s.			4		9			0.043	1.1		
Christiania	30.07	763.7	30.22	767.6	31.8	— 0.1	100	ene.	0	0			10			0.047	1.2	snowing	
Gjesvær	29.81	757.1	29.85	757.7	32.4	0.2		sse.			2		2			0	0		
Lodingen	29.86	758 4	29.91	759.6	33.6	0.9	94	wsw.			2		10			0.335	8.5	rain & snow	
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos.
Funchal, Madeira																			Capt. D. A. de Cunha.
Lisbon, Observatory	30.15	765.8	30.24	768.0	62.6	17.0	48	sw.	2.5	1.1			1		n.	0	0		The Staff.
Ponta Delgada, Azores	29.76	755 8	30.09	764.3	57.2	14.6	54	ene.	9.8	4.4			0			0	0		
Saint Paul de Loando	30.30	769.5	30.37	771.3	64.4	18.0	90	nw.	5.6	2.5			3			0	0		
St. Vincent, Cape Verd Ids.																			
San Salvador, Congo	30.09	764.3	30.13	765.2	68.4	20.2	69	e.			5		5			0	0		
Serra da Estrella	28.04	712.1	29.89	759.1	72.1	22.3	86	e.			2		10			0.480	12.2		
RUSSIAN.	25.27	641.9	30.11	764.7	38.3	3.5	65	e.	8.1	3.6			1		n.	0	0		
Akmolinski	28 82	732.1	30.00	762.0	9.5	—12.5	100	wsw.	20	9			10 n			0.016	0.4		Major K. Lasarew.
Archangel	30.18	766.5	30.20	767.0	21.9	— 5.6	82	e.	2	1			10			0	0	light clouds	Capt. Sselliwerstow
Ashurada	30.20	767.1	30.11	764.7	53.2	11.8	68	nnw.	11	5			0 k			0	0		
Asrukhan	30.48	774.3	30.41	772.3	33.3	0.7	27	e.	13	6			1						Capt. Wisganow.
Baku	30.23	767.9	30.19	766.7	48.6	9.2	81	calm	0	0			7 ks			0	0		
Barnaul	29.32	744.6	29.86	758.4	8.2	—13.2	92	sw.	31	14			10			0.425	10.8		Meteorological Office.
Bielosersk	30.02	762.4	30.52	775.1	25.9	— 3.4	51	calm	0	0		0	0			0	0		
Dorpat	30.24	768.2	30.51	774.9	25.3	— 3.7	73	e.	7	3		0	0			0	0		Observatory.
Ekaterinburg	29.11	739.4	30.15	765 9	12.7	—10.7	98	se.	13	6			10			0.075	1.9	snow-drift	Meteorological Obs'y.
Elisawetgrad	29.83	757.7	30.32	770.6	26.1	— 3.3	87	e.	4	2			10 s;n			0.012	0.3		
Kasan	30.04	763 0	30.33	770.4	19.8	— 6.6	73	wsw.	7	3			10c;cs			0	0		Observatory.
Kem	30.18	766.5	30.23	767.8	30.9	— 0.6	51	sw.	9	4			3 ks			0	0	light clouds	
Kepteh	30.06	763.5	30.08	764.4	35.4	1.9	90	ne.	4	2			10 n			0	0		Lagorio & Sastyrea.
Kieff	29.65	753.0	30.33	770.4	22.6	— 5.2	93	ne.	7	3			10 n			0.047	1.2		Observatory.
Koslov	30.04	763.0	30.59	777.0	19.2	— 7.1	41	calm	0	0		0	0			0	0		
Lgov	29.90	759 4	30.54	775.7	17.8	— 7.9	61	e.	22	10			4			0	0		R. I. Ssaweljew, Engin'r.
Libau	30.30	769.6	30.32	770.2	35.1	1.7	69	e.	7	3			7			0	0		L. Quass.
Lugan	30.12	765.0	30.34	770.6	21.9	— 5.6	43	ene.	34	15			7			0	0	light clouds	Meteorological Obs'y.
Moscow	30.10	764.5	30.61	777.6	28.6	— 1.9	32	calm	0	0		0	0			0	0		Meteorological Obs'y.
Nertschinsk	27 78	705.7	30.35	770.8	— 2.9	—19.4	49	calm	0	0			0			0	0		
Nikolaiev	30.15	765.7	30.22	767.5	30.6	— 0.8	90	ne.	18	8			10 n			0.028	0.7	light snow	Capt. Kurdakow.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mil.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
Russian.—Continued.																			
Nikolcievsk-on-the-Amoor.	29.73	755.1	29.82	757.3	— 7.8	—22.1	78	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.13	765.4	30.28	769.0	30.4	— 0.9	51	calm	0	0	.....	0	6 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.95	760.6	30.32	770 0	38.1	3.4	13	nne.	2	1	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.25	768 4	30.47	773.8	20.7	— 6.3	74	nw.	7	3	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.80	757 0	30.34	770.5	25.0	— 3.9	93	sse.	4	2	.....	.....	10 n	.....	.....	0.004	0.1	snowing	
Poti	30.03	762.8	30.06	763.6	48.4	9.1	98	ssw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.52	775.1	30.54	775.7	23.9	— 4.5	70	s.	4	2	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27 59	700.9	30.09	764.2	49.5	9.7	54	calm	0	0	.....	0	1 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.45	748 0	30.17	766.3	10.6	—11.9	85	sw.	13	6	.....	.....	10	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.86	758.5	30.09	764.2	35.8	2.1	85	ne.	16	7	.....	.....	10 n	.....	.....	0.004	0.1	.....	
Staroi Hykhov	29.82	757.5	30.41	772.5	28.4	— 2.0	54	ese.	16	7	.....	.....	9	.....	.....	0.020	0.5	.....	Carl Hagen.
Tashkend, Laboratory	28.52	724.3	30.30	769.6	28.0	— 2.2	95	w.	4	2	.....	.....	10 n	.....	.....	.....	.....	heavy clouds	Tercn, A. M.
Tiflis	28.71	729.1	30.17	766.2	43.7	6.5	78	sse.	9	4	.....	.....	10 n	.....	.....	0.055	1.4	.....	Physical Observatory.
Vernoe	27.55	699.7	30.20	767.0	25.0	— 3.9	60	calm	0	0	.....	0	2 k	.....	.....	.....	.....	.....	Larlono.
Viatka	29.22?	742.2?	29.89?	759.2?	19.4	— 7.0	70	nnw.	4	2	.....	.....	10	.....	.....	0	0	.....	
Vladivostock	30.02	762.5	30.09	764.2	17.4	— 8.1	66	ne.	13	6	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.80	756.8	30.24	768.2	27.3	— 2.6	77	se.	11	5	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.64	752.8	29.96	761 0	— 7.2	—21.8	76	calm	0	0	.....	.....	2	.....	.....	0.004	0.1	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.96	761.0	30.49	774.7	28.4	— 2.0	22	wsw.	2.4	1.1	.....	0	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.89	759.1	30.00	761.9	55.0	12.8	77	se.	.....	.....	.....	.....	10 kn	.....	.....	0.04	1.0	.....	B. Jelin.
Bilbao, Met. Obs'y	30.11	764.7	30.17	766.2	55.9	13.3	61	se.	0.9	0.4	.....	2	3	nw.	.....	0.079	2.0	cloudy	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.15	689.6	30.21	767.4	41.0	5.0	67	ne.	11.9	5.3	.....	.....	6	.....	.....	0	0	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.83	706.9	30.08	764.1	53.8	12.1	52	ne.	10.7	4.8	.....	0	0	.....	.....	0	0	clear	The Staff.
Murcia, Met. Obs'y	29.81	757 1	29.95	760.7	60.1	15.6	67	ene.	4.5	2.0	.....	4	5	W.	.....	0.012	0.3	misty	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.21	741.8	30.11	764.7	54.5	12.5	55	se.	12.5	5.6	.....	.....	1	.....	.....	0	0	almost clear	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.11	764.7	30.17	766.4	67.0	19.4	92	e.	4.5	2.0	.....	cs	0	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	758.9	29.93	760 3	77.6	25.3	73	e.	7.7	3.4	.....	0	s	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.94	760.6	30.04	763 1	58.1	14.5	63	nnw.	8.5	3.8	.....	0	2	.....	nw.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I	30.06	763 5	30.15	765.8	76.6	24.8	78	se.	8.9	4.0	.....	.....	10 kn	.....	se.	0.047	1.2	raining	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	30.14	765.6	30.18	766.6	29.8	— 1.2	96	sw.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Umea	30.22	767.7	30.28	769.0	29.1	— 1.6	92	sw.	.....	.....	7	.....	10	.....	.....	0	0	.....	
Hernosand	30.21	768 2	30.30	769.5	28.4	— 2.0	85	ssw.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Stockholm	30.18	766.5	30.35	771.0	34.9	1.6	71	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Wisby	30.22	767.6	30.28	769 1	38.5	3.6	60	se.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.23	767.9	30.32	770.1	34.9	1.6	71	sse.	7.2	3.2	.....	.....	2	.....	sse.	0	0	.....	H.H. Hildebrandesson
Turkish.																			
Constantinople	.....	.....	30.21	767.4	37.9	3.3	75	n.	10	4.5	.....	.....	10	.....	ne.	0	0	.....	The Observatory.
Valona	.....	.....	30.06?	763.5?	59.5	15.3	.....	nw.	.....	.....	2	.....	2	.....	.....	0	0	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.88	759.0	61.2	16.2	69	nw.	.....	.....	2	.....	9 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir
United States.																			
Albany, New York	29.96	761 5	30.07	763.8	28	— 2.2	77	w.	1	0.4	.....	.....	10 s	.....	.....	0.10	2.5	cloudy	J. O. Barnes.
Alpena, Michigan	29.50	749 3	30.20	767.1	2	—16.7	72	nw.	3	1.3	.....	0	0	.....	.....	0.02	0.5	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.95	633.7	29.97	761.2	45.8	7.7	94	se.	1	0.4	.....	.....	10 ks	.....	sw.	0.25	6.3	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	27.39	695.7	30.40	772.1	—19.2	—28.4	100	w.	17	7.6	.....	0	0	.....	.....	0.02	0.5	clear	J.J.O'Connor.
Atlanta, Georgia	28.85	732 8	30.06	763.5	59.6	15.3	89	sw.	17	7.6	.....	.....	10 n	.....	w.	0.70	17.8	light rain	S. W. Beall.
Atlantic City, New Jersey	29.99	761.7	30.00	762.0	33.0	0.6	88	nw.	3	1.3	.....	.....	fg.	.....	.....	0.18	4.6	dense fog	B.A.Blundon.
Augusta, Georgia	29.92	760.0	30.12	765.0	60.5	15.8	93	se.	3	1.3	.....	.....	10 n	.....	.....	0.68	17.3	light rain	W.J.Evans.
Baltimore, Maryland	30.02	762 5	30.07	763.8	37.5	3.1	65	n	5	2.2	.....	.....	10s;fg	.....	.....	0.53	13.5	cloudy	Geo W. Felgar.
Barnegat City, New Jersey	30.01	762.2	30.03	702 7	34.0	1.1	83	ne.	9	4.0	.....	.....	fg.	.....	.....	0.04	1.0	dense fog	J.P.Sherry.
Bennett, Fort, Dakota	28.72	729 5	30.42	772.7	— 2.0	—18.9	85	nw.	5	2.2	.....	.....	10 s	.....	.....	0.12	3.0	threatening	A. Pritchard.
Benton, Fort, Montana	27.34	694.4	30.32	770 1	20.7	— 6.3	60	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	C.S.Bennett.
Bismarck, Dakota	28.41	721.6	30.33	770.4	—11.4	—24.1	82	nw.	10	4.5	.....	0	0	.....	.....	inap.	inap.	clear	B. O. Lenoir.
Block Island, Rhode Island	29.98	761.5	30.01	762.2	32.0	0.0	72	ne.	14	6.3	.....	0	5 s	.....	ne.	0.35	8.9	fair	J. T. Elker.
Boise City, Idaho	26.82	681.2	29.74	755 4	42.0	5.6	82	w.	5	2.2	.....	.....	10 n	.....	.....	0.39	9.9	light rain	James Kenealy.
Boston, Massachusetts	29.86	758.4	30.02	702.5	24.0	— 4.4	90	nw.	12	5.4	.....	.....	10n;fg	.....	.....	0.10	2.5	light snow	O. B. Cole.
Brownsville, Texas	29.84	757.9	29.90	759.4	68.0	20.0	100	s.	10	4.5	.....	0	5 k	.....	s.	0	0	fair	John McGlone.
Buffalo, New York	29.34	745 2	30.13	765 3	20.1	— 6.6	76	n.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.19	716.0	30.35	770.9	—21.4	—29.7	78	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.73	755.1	30.15	765.8	28.0	— 2.2	82	ne.	17	7.6	.....	.....	10 s	.....	ne.	0.80	20.3	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.58	751.3	29.78	756.4	35.0	1.7	79	e.	12	5.4	.....	3 c	0	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	30.01	762.2	30.03	762.7	41.0	5.0	100	n.	3	1.3	.....	.....	10 s	.....	.....	1.15	29.2	cloudy	A. K. Alderson.
Cape May, New Jersey	30.06	763.5	30.09	764.3	33.0	0.6	100	nw.	7	3.1	.....	.....	fg.	.....	.....	0.53	13.5	dense fog	W.E.Smith.
Cape Mendocino, California	29.03	737.3	29.72	754 9	43.2	6.2	98	nw.	.....	.....	4	.....	10n;fg	.....	.....	0.27	6.9	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.16	766.1	30.18	766.6	63.0	17.2	89	se.	11	4.9	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina†	30.10	764.5	30.16	766.1	60.4	15.8	87	sw.	10	4.5	.....	.....	10s;hz	.....	w.	inap.	inap.	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.16	740 7	30.04	763.0	55.1	12.8	98	sw.	8	3.6	.....	.....	10s;fg	.....	sw.	1.21	30.7	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.16	740.7	30.00	762.0	59.5	15.3	93	sw.	3	1.3	.....	.....	10 n	.....	sw.	2.65	67.3	light rain	B. L. Goulding.
Cheyenne, Wyoming	23.73	602.7	29.93	760.2	13.1	—10 5	100	sw.	12	5.4	.....	.....	fg.	.....	.....	0	0	dense fog	E. McGovern.
Chicago, Illinois	29.47	748 5	30.21	767.3	16.9	— 8.4	65	nw.	3	1.3	.....	.....	10ks;s	.....	nw.	inap.	inap.	cloudy	Wm. Norrington.
Chincoteague, Virginia	30.00	762.0	30.02	762.5	33.7	0.9	100	nw.	4	1.8	.....	.....	fg	.....	.....	1.23	31.2	dense fog	O. F. Dickens
Cincinnati, Ohio	29.47	748.5	30.16	766.1	29.2	— 1.6	86	ne.	4	1.8	.....	.....	10 s	.....	ne.	0.09	2.3	cloudy	L. Dunne.
Cleveland, Ohio	29.36	745 7	30.14	765.5	23.0	— 5.0	73	ne.	4	1.8	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	W. Line.
Columbus, Ohio	29.26	743 2	30.15	765.5	24	— 4.4	77	nw.	7	3.1	.....	.....	10 s	.....	nw.	0.12	3.0	cloudy	F. T. Williams
Concho, Fort, Texas	28.02	711.7	29.99	761.7	57.0	13.9	69	s.	5	2.2	.....	10 k	0	nw.	.....	0	0	cloudy	O. E. King.
Custer, Fort, Montana	27.01	686.0	30.34	770.6	— 3	—19.4	100	ne.	3	1.3	.....	.....	10 n	.....	.....	0.18	4.6	light snow	W.J.Daily.
Davenport, Iowa	29.54	750.3	30.24	768.1	10.0	— 8.9	58	n.	7	3.1	.....	7 ck	hz.	nw.	.....	inap.	inap.	fair	K. R. Martin.
Davis, Fort, Texas	24.90	632.4	29.76	755.9	51.2	10.7	86	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty	28.16	715.3	29.98	761.5	22.0	— 5.6	89	n.	4	1.8	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	T. Gibson.
Deadwood, Dakota	25 35	643.9	30.19	766.8	— 5.0	—20.6	91	calm	0	0	.....	.....	10 s	.....	.....	0.20	5.1	cloudy	G.W.Scott.
Delaware Breakwater, Del.	30.01	762.2	30.03	762.7	33.3	0.7	100	n.	8	3.6	.....	.....	10s;fg	.....	nw.	0.43	10.9	cloudy	G.A.Martin.
Denver, Colorado	24.49	622.0	29.93	760.2	22.5	— 5.3	100	n.	5	2.2	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	F. M. Neal.
Des Moines, Iowa	29.39	746 5	30.35	770 9	6	—14.4	63	ne.	10	4.5	.....	7 cs	0	w.	.....	0.06	1.5	fair	F. W. Conrad.
Detroit, Michigan	29.40	746.7	30.15	765 8	26.0	— 3.3	77	n.	3	1.3	.....	7 ck	0	.....	.....	0	0	fair	N.B.Conger.
Dodge City, Kansas	27.45	697 2	30.18	766.6	19	— 7.2	70	ne.	14	6.3	.....	.....	10 s	.....	ne.	0	0	cloudy	J.E.Lanouette.
Dubuque, Iowa	29.52	749 8	30.27	768.8	12.5	—10.8	63	nw.	4	1.8	.....	0	8 ks	.....	nw.	0.05	1.5	cloudy	J. Harvey Smith
Duluth, Minnesota	29.49	749.0	30 28	769.1	— 8.2	—22.3	66	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
Eastport, Maine	29.96	761.0	30.03	762.7	27.0	— 2.8	94	e.	12	5.4	.....	.....	10 n	.....	e.	0.04	1.0	heavy snow	D. C. Murphy.
Elliott, Fort, Texas	27.17	690.1	30.00	762.0	26	— 3.3	85	ne.	14	6.3	.....	.....	10 s	.....	.....	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.25	666.7	30.05	763 3	48.4	9.1	85	w.	1	0.4	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.38	746 2	30.10	766.1	22.1	— 5.5	94	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	P. Wood.
Escanaba, Michigan	29.50	749.3	30.21	767.3	—12.0	—24.4	76	n.	1	0.4	.....	9ck;cs	0	n.	.....	0.01	0.3	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.50	749 3	29.99	761.7	42.0	5.6	82	e.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	J. B. Campbell.
Galveston, Texas	29.90	759 4	29.94	760.5	65.7	18.7	92	s.	4	1.8	.....	.....	10 s	.....	s.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.50	749.3	30.20	767.1	12.2	—11.0	78	e.	1	0.4	.....	8 ck	0	w.	.....	0	0	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.20	640.1	30.04	763.0	47.4	8.6	81	n.	1	0.4	.....	.....	10 s	.....	nw.	0.20	5.1	cloudy	Chas. A. Read.
Hatteras North Carolina	30.04	763.0	30.05	763.3	50.5	13.6	84	sw.	15	6.7	.....	.....	10 n	.....	sw.	0.54	13.7	light rain	R. M. Crawford

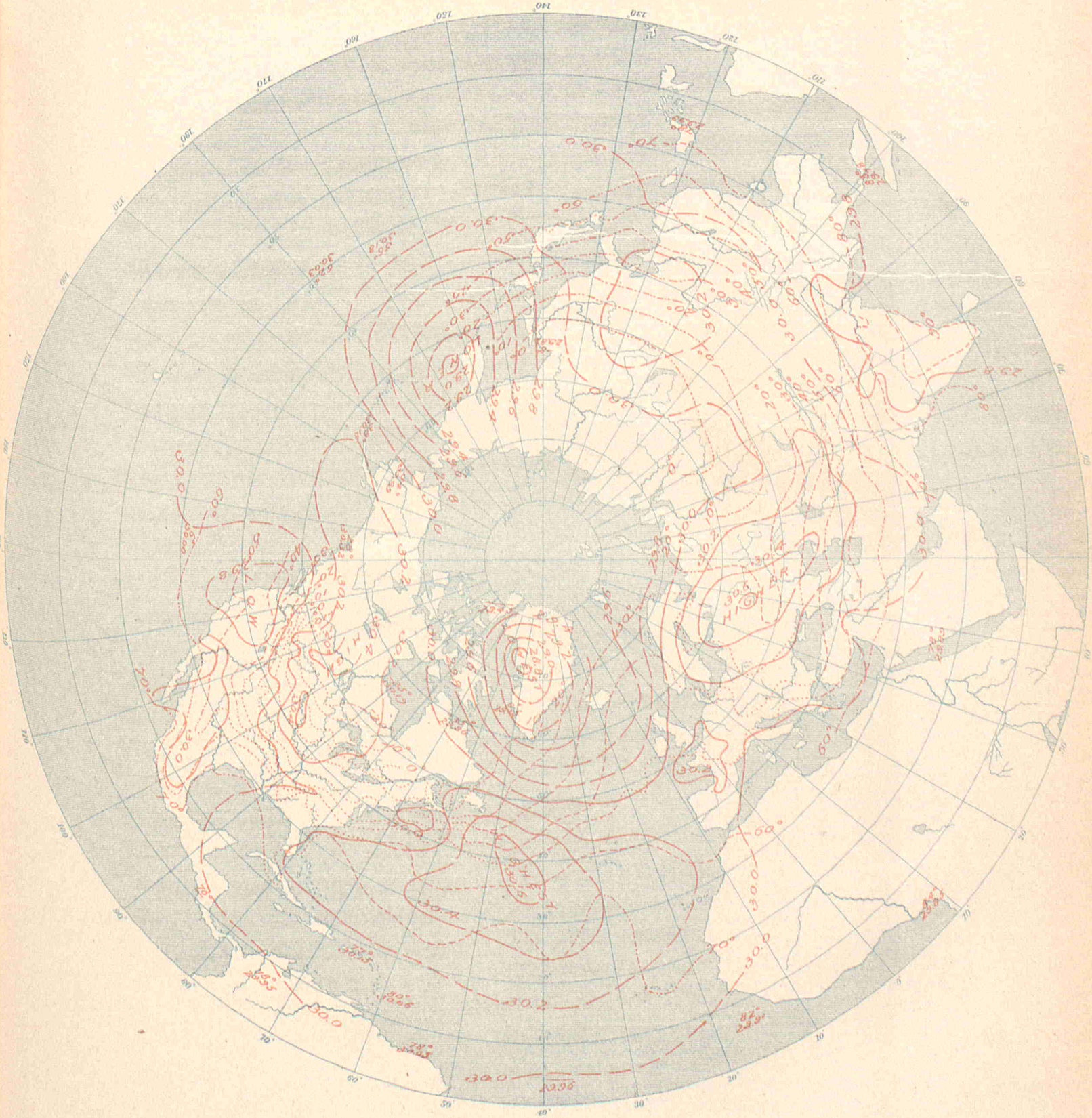
†Observation taken twenty-seven minutes late.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.89	657.6	30.21	767.3	— 1.6	—18.7	87	n.	3	1.3			10 s			0.24	6.1	cloudy	S. W. Morrison.
Huron, Dakota	28.90	734.0	30.38	771.6	0.0	—17.8	87	n.	5	2.2			10 s			0.05	1.3	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.27	743.4	30.11	764.8	25.7	— 3.5	79	ne.	4	1.8			10 s		ne.	0.40	10.2	dense fog	I. A. Reed.
Indianola, Texas	29.88	758.9	29.92	760 0	67.0	19.4	100	s.	15	6.7			fg.			0	0	cloudy	J. W. Smith.
Jacksonville Florida	30.12	765.0	30.17	766.3	62.9	17.2	86	s.	6	2.7		4 ck	5 s	sw.		0	0	clear	F. Z. Goswisch.
Keokuk, Iowa	29.58	751.3	30.28	769.1	11.3	—11.5	80	n.	4	1.8		0	0			0.02	0.5	fair	J. J. Lackey.
Key West, Florida	30.15	765.8	30.17	766.3	72.5	22.5	87	se.	10	4.5		3 ck	1 ks	sw.		0	0	cloudy	Wesley Blake.
Kittyhawk, North Carolina	29.99	761.7	30.01	762.2	54.6	12.6	86	sw.	14	6.3			10 s			1.30	33.0	cloudy	J. A. Cody.
Knoxville, Tennessee	28.94	735.1	30 00	762.0	51.3	10.7	98	w.	2	0.9			10s;fg			2.16	54.9	cloudy	S. C. Emery.
La Crosse, Wisconsin	29.47	748.5	30.29	769.4	3	—16.1	72	nw.	10	4.5		0	8 s		nw.	inap.	inap.	cloudy	C. Dill.
Leavenworth, Kansas	29.36	745.7	30.30	769.6	18.4	— 7.6	73	ne.	6	2.7			9 s			0	0	cloudy	
Lewiston, Idaho	29.08	738 6	29.94	760.5	31.0	— 0.6	78	calm	0	0			10 s			inap.	inap.	cloudy	C. E. Butler.
Little Rock, Arkansas	29.70	754.4	30.03	762.7	38.0	3.3	89	ne.	15	6.7			10 s			0.70	17.8	cloudy	W. U. Simons.
Los Angeles, California	29.58	751.3	29.98	761.5	56.5	13.6	96	s.	8	3.6			10 n			1.28	32.5	light rain	T. S. Collins
Louisville, Kentucky	29.51	749.5	30.10	764.5	31.5	— 0.3	88	n.	6	2.7			10 n			0.17	4.3	light snow	E. B. Garriott.
Lynchburg, Virginia	29.31	744 5	30.03	762.7	35.0	1.7	79	nw.	1	0.4			10 s		w.	0.46	11.7	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.51	749 5	30.21	767.3	0.0	—17.8	68	calm	0	0		2 cs	4 s			0	0	fair	D. B. Notson.
Macon, Fort, North Carolina	30.06	763.5	30.08	764.0	53.5	11.9	96	s.	19	8.5			10 s		s.	0.28	7.1	cloudy	William Daly.
Maginnis, Fort, Montana	25.58	649.7	30.18	766.6	—12.7	—24.8	50	e	4	1.8		5 c	0			0.02	0.5	fair	F. Burke.
Marquette, Michigan	29.44	747.8	30.21	767.3	— 2.7	—19.3	71	nw.	12	5.4		1 cs	0			0	0	clear	J. Gilligan.
Memphis, Tennessee	29.68	753.9	30.03	762.7	36.0	2.2	84	n.	10	4.5			10 n			0.70	17.8	light rain	D. T. Flannery
Milwaukee, Wisconsin	29.44	747.8	30.23	767.8	8.8	—12.9	71	nw.	13	5.8		7 cs	0	nw.		0.02	0.5	fair	S. W. Rhode.
Mobile, Alabama	30.02	762.5	30.06	763.5	61.4	16.3	90	s.	2	0.9		4 c	2 k	sw.	s.	0	0	fair	H. U. Jones.
Montgomery, Alabama	29.82	757.4	30.06	763.5	64	17.8	90	s.	7	3.1		0	9 s		w.	0.09	2.3	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.26	743.2	30.34	770.6	—20	—28.9	100	nw.	5	2.2			10 s			0	0	cloudy	H. Bessant.
Mt. Washington, N. H.	23.40	594.3	29.92	760.0	9.0	—12.8	100	w.	50	22.4			fg.		w.	0.04	1.0	dense fog	J. H. Melton.
Nashville, Tennessee	29.46	748 3	30.06	763.5	33.2	0.7	98	ne.	8	3.6			10ks;fg		w.	0.82	20.8	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.91	759.7	30.03	762.7	25.5	— 3.6	88	ne.	11	4.9		0	9 s			0.20	5.1	cloudy	J. H. Sherman.
New London, Connecticut	29.97	761.2	30.02	762.5	30.0	— 1.1	88	w.	3	1.3		0	3 ks		w.	0.20	5.1	clear	J. G. Lynch.
New Orleans, Louisiana	29.97	761.2	30.03	762.7	65.5	18.6	93	s.	5	2.2			fg.			0	0	dense fog	M. Herman.
New York, New York	29.88	758.9	30.06	763.5	31.2	— 0.4	86	calm	0	0			10s;fg			0.22	5.6	cloudy	W. Finn.
Norfolk, Virginia	29.97	761.2	30.00	762.0	42.4	5.8	100	n.	1	0.4			10s;fg			1.23	31.2	cloudy	Wm. Davis.
North Platte, Nebraska	27.19	690.6	30.25	768.3	5.2	—14.9	88	ne.	4	1.8			10 n			0.02	0.5	light snow	E. F. Brady.
Olympia, Washington Ter	29.82	757.4	29.86	758.4	34.0	1.1	88	calm	0	0			10 s			0.02	0.5	cloudy	J. Dascomb
Omaha, Nebraska	29.15	740.4	30.40	772.1	7.8	—13.4	71	ne.	9	4.0		0	0			0.10	2.5	clear	A. Pollak
Oswego, New York	29.74	755.4	30.08	764.0	23.5	— 4.7	67	n.	12	5.4			10 s		nw.	0	0	cloudy	J. G. Linsley.
Palestine, Texas	29.35	745.5	29.92	760.0	67.2	19.6	93	s.	8	3.6			10 s		sw.	0.09	2.3	cloudy	P. T. Jenkins.
Pensacola, Florida	30.04	763.0	30.07	763.8	62.4	16.9	97	s.	2	0.9		6 ck	2 s	sw.	sw.	0	0	cloudy	M. McGauran.
Philadelphia, Pa	29.95	760.7	30.05	763 3	33.0	0.6	78	ne.	3	1.3			10 s			0.21	5.3	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.53	445.3	30.12	765.0	11.0	—11.7	73	s.	10	7.2			fg.		sw.	inap.	inap	dense fog	H. Hall.
Pittsburg, Pennsylvania	29.20	743.2	30.11	764.8	26.9	— 2.8	95	nw.	5	2.2			10 s		nw.	0.15	3.8	cloudy	O. D. Stewart.
Port Huron, Michigan	29.43	747.5	30.15	765.8	17.9	— 7.8	83	ne.	4	1.8		3 ck	4 s			0	0	fair	M. H. Perry
Portland, Maine	29.97	761.2	30.02	762.5	23.0	— 5.0	80	n.	10	4.5			10 n		n.	0.11	2.8	light snow	W. W. Eichelberger.
Portland, Oregon	29.72	754.9	29.79	756.7	35.3	1.8	65	e	12	5.4			10 s			inap.	inap.	cloudy	M. L. Hearn.
Prescott, Arizona	24.68	626.9	30.02	762.5	46.5	8.1	82	sw.	12	5.4		0	8 s		sw.	0.54	13 7	threatening	N. D. Lane.
Provincetown, Mass	29.94	760.5	29.97	761.2	33.1	0.6	89	ne.	11	4.9			10 s		ne.	0.06	1.5	cloudy	O. N. Kitchel.
Red Bluff, California	29.29	744.0	29.66	753.4	53	11.7	100	s.	10	4.5			10 n		s.	0.19	4.8	light rain	J. R. Williams.
Rio Grande City, Texas	29.67	753.6	29 91	759.7	68.0	20.0	93	se.	6	2.7		0	0			0	0	clear	L. G. Schultz.
Rochester, N. Y	29.42	747.3	30.12	765.0	21	— 6.1	76	nw.	10	4.5			10s;sk			0	0	cloudy	E. W. McGann.
Roseburg, Oregon	29.14	740.1	29.70	754.4	44	6.7	93	calm	0	0			10 n		sw.	0.28	7.1	light rain	J. J. Nanry.
Sacramento, California	29.61	752.1	29.68	753.9	55.5	13.1	86	s.	13	5.8			9 s		se.	0.80	20.3	cloudy	J. A. Barwick.
St. Louis, Missouri	29.58	751.3	30.23	767.8	20.7	— 0.3	76	n.	12	5.4		0	3s;sk			inap.	inap.	clear	J. H. Weber.
St. Michael, Fort, Alaska	30.06	763.5	30.09	764.3	34	1.1	100	s.	13	5.8			10 s			0.11	2.8	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.42	747.3	30.33	770.4	— 1.0	—18.3	79	w	2	0.9		8 cs	0	nw		inap.	inap.	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.35	745.5	30.29	769.4	—24	—31.1	72	sw.	2	0.9		0	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.32	643.1	29.84	757.9	44.2	6.8	83	e.	4	1.8			10 s			0.68	17.3	threatening	J. Craig.
San Diego, California	29.94	760.5	30.01	762.2	58.0	14.4	93	s.	11	4.9			10 s		sw.	0.28	7.1	cloudy	F. R. Day.
Sandusky, Ohio	29.44	747.8	30.16	766.1	26	— 3.3	70	n	5	2.2			10 s			inap.	inap.	cloudy	B. F. Hough.
Sandy Hook, New Jersey	30.03	762.7	30.06	763.5	31.8	— 0.1	78	ne.	9	4.0			10 s			0.24	6.1	cloudy	V. P. Chappel.
Sanford, Florida	30.12	765.0	30.17	766.3	61.0	16.1	87	sw.	5	2.2		5 c	0			0	0	fair	J. B. Marbury
San Francisco, California	29.59	751.6	29.66	753.4	57.2	14.0	92	s.	5	2.2			10 s		sw.	0.45	11.4	threatening	N. Gorom.
Savannah, Georgia	30.05	763 3	30.14	765.5	60	15.6	72	s.	2	0.9		10ck;cs	fg.	w.		0	c	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.53	673.8	30.33	770.4	—14.5	—25.8	77	calm	0	0		6 k	0			0.06	1.5	fair	A. L. Mathews.
Shreveport, Louisiana	29.66	753.4	29.83	757.7	65.4	18.6	92	s	2	0.9		7 cs	3 s		s	0.28	7.1	cloudy	E. N. Meekins.
Sitka, Alaska	30.25	768.3	30.32	770.1	27.5	— 2.5	59	ne.	3	1.3		0	0			0	0	clear	F. W. Fickett.
Smithville North Carolina	30.06	763.5	30.10	764.5	56.3	13.5	84	w.	9	4.0			10 s		w.	0.19	4.8	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.91	708.9	30.04	763.0	13.0	—10.6	83	ne.	6	2.7		0	0			inap.	inap.	clear	D. Moore.
Springfield, Illinois	29.52	749.8	30.24	768.1	21.1	— 6.1	84	n.	8	3.6		0	1 s		w.	0.08	2.0	clear	T. B. Jennings.
Stockton, Fort, Texas	26 92	683.8	30.00	762.0	56.5	13.6	62	sw.	8	3.6		0	4 s			0	0	fair	J. W. Byram.
Tatoosh Id., Wash. Ter	29.73	755.1	29.83	757.7	34.2	1.2	77	e.	36	16.1		0	8k;s		e.	0	0	cloudy	R. Connor.
Thomas, Camp, Arizona	27.24	691.9	30.02	762.5	50.2	10.1	98	calm			0		10 s		w	0.07	1.8	cloudy	R. C. Lord.
Toledo, Ohio	29.38	746.2	30.11	764.8	24.5	— 4.2	73	calm	0	0			10 s			0	0	cloudy	A. Buell.
Unalashka, Alaska	30.16	766.1	30.18	766.6	38	3.3	82	s.	14	6.3		0	1 s			0	0	clear	Samuel Applegate
Vicksburg, Mississippi	29.70	754.4	29.96	761.0	66	18.9	90	s.	8	3.6			10 s		sw.	0.16	4.1	cloudy	F. W. Mixer.
Washington, D. C	29.96	761.0	30.08	764.0	32.6	0.3	90	n.	4	1.8			10 s			0.44	11.2	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.91	658.1	29.98	761.5	17.5	— 8.1	86	e.	19	8.5			10 s		e.	0	0	cloudy	F. H. Brandenburg
Wilmington, N Carolina	30.02	762.5	30.18	766.6	58.0	14.4	86	sw.	7	3.1			10 s		sw.	0.29	7.4	cloudy	L. H. Albrecht.
Yankton, Dakota	29.02	737.1	30.41	772.4	4.8	—15.1	62	ne.	6	2.7		7 c	0			0.02	0.5	fair	E. H. Thompson.
Yuma, Arizona	29.81	757.2	29.96	761.0	57.4	14.1	92	calm	0	0		0	2 s		sw.	inap.	inap.	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	28.95	735.3	28.97	735.8	33.0	0.6	94	e.	7	3.1			10 n		e	0.02	0.5	sleeting	George Oheruick.
Bluefields, Nicaragua, U. A.					78	25.6		nw.			2	0	4 k		ne.	0	0	fair	W. H. Jackson.
bogota, U. S. C	22.01	559.1			56.3	13.5	90	n.	2	1			10 k		e.	0	0		Joaquin Gomez.
Chimo, Fort, Ungava	29.80	750.9	29.96	761.0	—35	—37.2	100	s.	5	2.2		0	0			0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I			30.12	765 0	73.2	22.9	78	n.	1	0.4		0	8 s		ne.	0	0	cloudy	Robert Johnstone.
Paramaribo, S. A	30.05	763.3	30.05	763.3	78	25.6	86	ne.			3	3 c	5 k	e.		1.280	32.5		Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.39	740.5	29.95	760.7	78	25.6	84	n.			1	5 ck	3 ks	calm	calm	0	0	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A					76	24.4	86	ne.			4					0	0	fair	Earl Flint.
York Factory, B. A	30.12	765.0	30.19	766.8	—35.0	—37.2		nw.	16	7.2		1 cf	0	nw.		0	0	fair?	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.98	761.4	29.98	761.6	76.3	24.6	88	n.	11.2	5.0			6 k		n.	0.059	1.5	fair	P. Fastani.
Naós, Bay of Panama	29.91	759.6	29.97	761.2	73.4	23.0	89	nw.			4		1 k		n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from	
District No. 1—North Atlantic.																		
S. S. Alvo, N. 39° 00′, W. 74° 00′ *..	30.01	762.2	34	1.1	.....	n.	.....	.....	4–5	.....	fg	.....	.....	.....	.....	short	.....	foggy.
S. S. Arizona, N. 41° 01′, W. 59° 40′	30.12	765.0	53	11.7	.....	sw.	.....	.....	5	.....	10	.....	wsw.	8 h'r	8 h'r	mod.	sw.	raining.
S. S. Alpin, Ponce, Porto Rico, W.I	.....	.....	78	25.6	.....	e.	.....	.....	2	.....	1	.....	e.	0	0	mod.	e.	clear.
S. S. Adriatic, N. 44° 23′, W. 37° 18′	.....	.....	.....	.....	.....	w	.....	.....	6	.....	.....	.....	w.	.....	.....	high	wnw.	stormy.
S. Armenia, N. 45° 10′, W. 44° —′ *	30.36	771.1	36	2.2	80	wnw.	.....	.....	7	.....	9	.....	wnw.	4 h'r	4 h'r	r'gh	nw.	squally.
S. S. Antonio Lopez, N 25° 45′, W. 39° 32′	30.46	773.7	67	19.4	84	ne.	.....	.....	4	.....	8	.....	.....	1 h'r	1 h'r	mod.	ne.	squally.
S. S. America, N. 42° —′, W. 48° —′*	30.62	777.7	49?	9.4?	64	nw.	.....	.....	3	.....	3	.....	nw.	3 h'r	3 h'r	light	nw.	clear.
S. S. Athos, Kingston, Jamaica, W.I	.....	.....	.....	.....	.....	ne.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Belgenland, N. 40° 06′, W. 63° 05′	.....	.....	44	6.7	84	wsw.	.....	.....	5	.....	.....	.....	w.	.....	.....	long	wsw.	overcast.
S. S. Britannic, N. 43° 25′, W. 42° 50′	.....	.....	44	6.7	.....	wnw.	.....	.....	5	.....	5	.....	nw.	4 h'r	4 h'r	high	w.	raining.
S. S. City of Augusta, Savannah, Ga	.....	.....	.....	.....	.....	ssw.	.....	.....	2	.....	4	.....	ssw.	0	0	.....	.....	clear.
S. S. Caracas, N. 13° 06′, W. 68° 17′ *†	30.10	764.5	79	26.1	78	e.	.....	.....	7	.....	2	.....	e.	0	0	short	e.	hazy.
S. Dora, N. 38° 55′, W. 53° 50′ *†	30.53	775.4	55.4	13.0	.....	ssw.	.....	.....	5	.....	8	.....	ssw.	8 h'r	8 h'r	cross	sw.	cloudy.
S. S Donau, N. 49° 10′, W. 25° 32′	29.99	761.7	.....	.....	.....	wnw.	.....	.....	6	.....	9	.....	wnw.	4 h'r	4 h'r	r'gh	.....	squally.
S. S. France, N. 40° 28′, W. 68° 04′	.....	.....	.....	.....	.....	w.	.....	.....	3	.....	8	.....	w.	rain	rain	r'gh	s.	cloudy.
Bk. Fred. W Carlon, N. 24° 45′, W. 87° 00′ †	30.13	765.3	.....	.....	.....	se.	.....	.....	6	.....	2	.....	se.	0	0	sm'h	ese.	fair.
S. S. Gallia, N. 46° 16′, W. 37° 10′	30.23	767.8	42	5.6	.....	nw.	.....	.....	7	.....	8	.....	nw.	rain	rain	high	nw.	squally.
S. S. Gellert, N. 43° 37′, W. 42° 54′	30.44	773.2	40.0	4.4	82	w.	.....	.....	5	.....	6	.....	w.	0	0	r'gh	w	threatening.
Bk. Godeffroy, N. 28° 04′, W. 66° 11′	30.35	770 9	68.7	20 4	78	ese.	.....	.....	5	.....	3	.....	ese.	0	0	mod.	n;e.	clear.
S. S. George S. Thomas, N. 3° 07′, W. 38° 46′ *†	29.96	761.0	.....	.....	.....	ne.	.....	.....	2	.....	3	.....	ene.	7 h'r	7 h'r	r'gh	ene.	showery.
Bk. Idaho, N. 40° 25′, W. 73° 54′ *†	30.10	764.5	.....	.....	.....	ne.	.....	.....	3	.....	10	.....	.....	8 h'r	8 h'r	mod.	se.	cloudy.
Bg. L. F. Munson, Matanzas, Cuba, W.I*†	30.18	766.6	70	21.1	.....	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear
Bg. Lilian, N 23° 14′, W. 68° 20′ †	30.24	768.1	75	23.9	.....	e.	.....	.....	5	.....	5	.....	e.	2 h'r	2 h'r	r'gh	e.	squally.
S. S. Main, N. 41° 53′, W. 55° 40′	30.46	773.7	39.2	4.0	.....	s.	.....	.....	4	.....	10	.....	s.	5 h'r	5 h'r	mod.	s.	covered.
S. S. Nurnberg, N. 47° 00′, W. 37° 07′	.....	.....	36.5	2.5	.....	nw.	.....	.....	7–8	.....	8	.....	nw.	5 h'r	5 h'r	high	nw.	squally.
S. S. New York, N. 32° 10′, W. 78° 00′ *†	30.20	767.1	74	23.3	.....	sw.	.....	.....	5	.....	8	.....	sw.	.....	.....	mod.	.....	cloudy.
S. S. Nessmore, N. 50° 46′, W. 12° 14′	29.88	758.9	54	12.2	87	s.	.....	.....	6	.....	4	.....	s.	8 h'r	8 h'r	sm'h	sw.	fair.
Schr. Norena, N. 21° 10′, W. 68° 20′	.....	.....	.....	.....	.....	e.	.....	.....	5	.....	4	.....	e.	3 h'r	3 h'r	mod	ese.	squally.
S S. Orinoco, New York, N. Y †	30.05	763.3	36	2.2	.....	nnw.	.....	.....	1	.....	10	.....	.....	10 h'r	10 h'r	.....	.....	dense haze.
Bk. Orpheus, N. 44° 33′, W. 40° 11′ *	30.43	772.9	44	6.7	.....	W.	.....	.....	7	.....	8 k	.....	nw.	0	0	long	w.	cloudy.
S. S. Pavonia, N. 40° 35′, W. 69° 50′	.....	.....	41	5.0	91	w.	.....	.....	4	.....	0	.....	.....	7 h'r	7 h'r	mod.	cross	dense fog.
S. S. Pennsylvania, N. 39° 02′, W. 65° 55′ †	30.07	763.8	57	13.9	94	ssw.	.....	.....	6	.....	6	.....	ssw.	5 h'r	5 h'r	mod.	s.	hazy.
S. S. Rhaetia, N. 52° 02′, E. 2° 43′	30.24	768.2	49	9.4	.....	nw	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	hazy.
Bg. Rising Sun, N. 26° 43′, W. 72° 28′ *†	30.27	768.8	75	23.9	.....	se.	.....	.....	3	.....	1	.....	se.	0	0	long	ese.	clear
S. S. State of Georgia, N. 41° 04′ W. 64° 08′ †	29.95	760.7	49	9.4	.....	sw.	.....	.....	5	.....	10	.....	w.	2 h'r	2 h'r	sli't	ssw.	light rain.
S. S. Salerno, Hull, Eng †	30.00	762.0	40	4.4	.....	sw.	.....	.....	3	.....	5	.....	sw.	0	0	.....	.....	fair.
S. S. Salier, N. 43° 33′, W. 47° 08′	30.61	777.5	.....	.....	.....	wnw.	.....	.....	6	.....	10	.....	wnw.	1 h'r	1 h'r	cross	wnw.	cloudy.
S. S Switzerland, N. 50° 02′, W. 4° 53′ *†	30.23	767.8	.....	.....	.....	sse.	.....	.....	2	.....	0	.....	.....	0	0	light	wsw.	clear.
S. S. Silesia, N. 49° 50′, W. 5° 53	30.23	767.8	51.5	10.8	96	sw.	.....	.....	3	.....	4	.....	ssw.	0	0	sm'h	sw.	
S. St. David, N. 48° 26′, W. 23° 16′	.....	.....	57?	13.9?	71	wsw.	.....	.....	6	.....	4	.....	W;wsw	1 h'r	1 h'r	h'vy	wsw.	rain & hail.
S. S. The Queen N. 42° 52′, W. 48° 08′	30.59	777.0	33	0.6	.....	nw.	.....	.....	5	.....	2	.....	calm	0	0	h'vy	wnw.	clear.
Bk. Tuck Sing, N. 20° 47′, W. 71° 50′ *†	30.18	766.6	.....	.....	.....	ese.	.....	.....	4	.....	0	.....	.....	5 h'r	5 h'r	sm'h	.....	fine.
S. S. Venetian, N. 46° 07′, W. 37° 15′	.....	.....	38	3.3	.....	wnw.	.....	.....	8–9	.....	8	.....	wnw.	5 h'r	5 h'r	high	cross	sleeting.
S. S. Valencia, N. 39° 40′, W. 73° 55′ †	30.00	762.0	39	3.9	69	n.	.....	.....	3	.....	10	.....	.....	.....	.....	mod.	sse.	foggy.
S. S. Westernland, Antwerp, Belgium	30.19	766.8	47	8.3	85	wnw.	.....	.....	1	.....	5	.....	wnw.	0	0	.....	.....	fair.
S S W. A. Scholten, N. 48° 25′, W. 23° 25′	29.97	761.2	49.1	9.5	78	w.	.....	.....	6	.....	7	.....	w.	24 h'r	24 h'r	6	w.	squally.
S. S. Weser, N. 40° 45′, W. 62° 26′	30.03	762.7	55.4	13.0	.....	wsw.	.....	.....	4	.....	4	.....	wsw.	14 h'r	14 h'r	mod.	w.	hazy.
S. S. Zeeland, off Start Pt, Eng*†	30.22	767.6	52	11.1	.....	sw.	.....	.....	4	.....	.....	.....	sw.	0	0	sm'h	.....	clear.
S. S. Australia, N. 41° 11′, W. 39° 01′ †	30.55	776.0	53	11.7	.....	nw.	.....	.....	5–6	.....	5	.....	nw.	3 h'r	3 h'r	h'vy	w.	stormy.
S. S. Cienfuegos, N. 34° 00′, W. 77° 05′	30.12	765.0	60	15.6	.....	wsw.	.....	.....	2	.....	10	.....	wsw.	0	0	large	s.	hazy.
S. S. Frisia, N. 53° 20′, E. 5° 00′	30.20	767.1	45.5	7.5	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	sm h	w	clear.
S. S. Texas, N. 51° 27′, W. 9° 06′ *†	29.96	761.0	51	10.6	100	sSW	.....	.....	3	.....	10	.....	.....	.....	.....	sm'h	.....	overcast.
Bk. George Davis, N. 5° 05′, W. 3° 17′ *†	30.22	767.6	.....	.....	.....	wsw.	.....	.....	1	.....	.....	.....	W.	0	0	sm'h	wsw.	fair.
Schr. Adda Doane, N. 34° 10′, W. 72° 56′ †	30.21	767.3	.....	.....	.....	sw.	.....	.....	6	.....	10	.....	sw.	0	0	r'gh	ssw.	cloudy.
S. S. Erin, N. 48° 37′, W. 25° 28′ †	29.95	760.7	46	7.8	.....	nw.	.....	.....	6	.....	10	.....	nw.	4 h'r	4 h'r	mod.	wnw.	squally.
S. S. Grecian, Boston Harbor, Mass	30.05	763.3	26	— 3.3	100	n	.....	.....	2	.....	10	.....	.....	12 h'r	12 h'r	.....	.....	overcast.
Schr. Jas. Slater, N. 27° 42′, W. 45° 55′	.....	.....	73	22.8	.....	e.	.....	.....	5	.....	5	.....	.....	0	0	long	var.	
Bg. John Wesley, N. 37° 42′, W. 73° 23′ *†	30.06	763.5	.....	.....	.....	nnw.	.....	.....	1	.....	10	.....	.....	14 h'r	14 h'r	cross	var.	misty.
S. S. Lone Star, N. 39° 54′, W. 73° 55′ *†	30.00	762 0	37	2.8	.....	n.	.....	.....	2	.....	10	.....	.....	0	0	long	s.	hazy.
S. S. Ohio, (Am) Philadelphia, Pat	30.07	763.8	34	1.1	100	n.	.....	.....	1	.....	10	.....	.....	8 h'r	8 h'r	.....	.....	overcast.
S. S. St. Laurent, N. 47° 45′, W. 31° 05′	30.07	763.8	37.4	3	.....	W.	.....	.....	8	.....	8	.....	W.	snow	snow	large	w.	squally.
Schr. Viola Reppard, N. 42° 50′, W. 69° 45′	.....	.....	.....	.....	.....	ene.	.....	.....	2	.....	10	.....	ne.	4 h'r	4 h'r	chop	se.	cloudy.
Bk Western Chief, N. 44° 20′, W. 33° 48′ *†	30.17	766.3	.....	.....	.....	nw.	.....	.....	7	.....	4 k	.....	nw.	.....	.....	8	wnw.	clear.
S. S. Werra, N. 50° 42′, E. 0° 14′*	30.23	767.8	46.4	8.0	.....	wnw.	.....	.....	3	.....	10	.....	wnw.	0	0	sm'h	wnw.	cloudy.
U. S. Navy Yard, Portsmouth, N. H *	29.97	761.2	23	— 5.0	86	nne.	9	4.0	.....	.....	10	.....	n.	0	0	.....	.....	cloudy.
U. S. S. Galena Port Royal, S. C*	30.12	765.0	61	16.1	77	sw.	.....	.....	1	.....	10	.....	s;w.	.....	.....	sm'h	.....	cloudy.
U. S. S. New Hampshire, Newport, R. I	30.01	762.2	34	1.1	.....	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy
U. S. S. Powhatan, Port Royal, S.C	30.15	765.8	57	13.9	94	sw.	.....	.....	1	.....	10	.....	sw.	.....	.....	.....	.....	overcast.
U. S. S Quinnebaug, Leghorn, Italy	29.93	760.2	57	13.9	58	ene.	.....	.....	1	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Saratoga, New York, N. Y	30.05	763.3	30	— 1.1	100	nne.	.....	.....	1	.....	10	.....	nne.	snow	snow	sm'h	.....	overcast.
U. S. S. Tennessee, N. 23° 45′, W. 92° 54′	30.00	762.0	74	23.3	86	se.	30	13.4	.....	.....	0	.....	.....	0	0	mod.	se.	clear.
U. S. S. Yantic, Port Royal, S.C	30.14	765.5	59	15.0	88	s.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Alexandra, N. 31° 42′, E. 29° 51′	29.96	761.0	64	17.8	78	nnw.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Alecto, N. 4° 21′, E. 7° 41′	29.85	758.2	84	28.9	.....	s.	.....	.....	2	.....	8	.....	.....	.....	.....	3	ssw.	d. clouds
H. M. S. Boadicea, Fernando Po, W. Africa	29.86	758.4	83	28.3	96	ssw.	.....	.....	2	.....	8	ssw.	.....	.....	.....	.....	.....	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.38	771.6	62.5	16.9	69	sse.	.....	.....	4	.....	4	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Himalaya, N. 36° 28′, W. 29° 40′	30.37	771.4	69	20.6	90	W.W.	.....	.....	1	.....	9	.....	.....	.....	.....	1	ssw.	showery.
H. M. S. Minotaur, Suda Bay, Mediterraneau	30.02	702.5	54	12.2	74	ne.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H M. S. Myrmidon, Elorah Bay, Algeria	29.77	756.1	56	13.3	87	e.	.....	.....	2–4	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. P. M. S. Bengo, N. 6° 40′, W. 16° 42′	29.91	759.8	82.4	28.0	73	nw.	.....	.....	4	.....	0	ene.	.....	0	0	.....	.....	blue sky.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.87	758.6	83.8	28.8	90	sse.	.....	.....	4	.....	8	.....	se.	0	0	2	se.	d. clouds.
S. S. British Prince, N. 40° 36′, W. 48° 47′	.....	.....	44	6.7	68	ne.	.....	.....	2	.....	1	.....	sw.	16 h'r	16 h'r	long	w.	clear.
S. S. Scandinavian, Portland, Me	30.01	762.2	28	— 2.2	.....	nnw.	.....	.....	3	.....	10	.....	n.	12 h'r	12 h'r	.....	.....	snowing.
S. S. Sardinian, N. 44° 45′, W. 42° 46′	30.35	770.9	36	2.2	.....	nw.	.....	.....	6	.....	7	.....	nw.	3 h'r	3 h'r	mod.	nw.	cloudy.
S. S. Dorian, N. 48° 27′, W. 8° 00′	.....	.....	55	12.8	.....	s.	.....	.....	6	.....	4	.....	s.	0	0	sli't	nw.	fair.
S. S. Furnessia, N. 48° 07′, W. 36° 57′ *†	30.11	764.8	35	1.7	.....	W.	.....	.....	6	.....	5	.....	wnw.	.....	.....	r'gh	wsw.	hail squ'lls.
S. S. Galatia, N. 35° 11′, E. 23° 01′ *†	30.00	762 0	59	15.0	.....	ene.	.....	.....	4	.....	6	.....	ene.	0	0	r'gh	ene.	fine.
S. S. Carroll, N 42° 24′, W. 70° 26′ *†	30.05	763.3	28	— 2.2	.....	nne.	.....	.....	3	.....	10	.....	nne.	rain	rain	long	se.	squally.
S. S. Wyoming, N. 47° 51′, W. 34° 44′	30.04	763.0	34	1.1	.....	W.	.....	.....	7	.....	7	.....	W.	4 h'r	4 h'r	h'vy	w.	squally.
S. S. Bohemia, N. 40° 43′, W. 63° 48′	.....	.....	.....	.....	.....	sw.	.....	.....	6–7	.....	9	.....	sw.	6 h'r	6 h'r	long	sw.	cloudy.
S. S. Westphalia, Staten Id, N. Y	.....	.....	34	1.1	.....	ne.	.....	.....	2	.....	10	.....	.....	10 h'r	10 h'r	sm'h	.....	covered.
S. S. Virginian, N 50° 29′, W. 17° 30′	.....	.....	44	6.7	.....	wnw.	.....	.....	4	.....	.....	.....	W.	1 h'r	1 h'r	long	w.	hail squalls
S. S. Archimedes, (Br) N. 19° 49′, W. 23° 40′	30.19	766.8	.....	.....	.....	nne.	.....	.....	5	.....	5	.....	nne.	0	0	mod.	nne.	fine.
S. S. Teniers, N. 3° 52′, W. 27° 42′	29.99	761.7	81.8	27.7	79	n.	.....	.....	4	ck	7 sn	nne.	var.	.....	.....	3	nne.	d. clouds.
S. S. Olbers, N. 3° 26′, W. 27° 55′	30.04	763.0	79	26.1	91	ne.	.....	.....	4	.....	7	.....	.....	2.10	53.3	4	nne.	cloudy.
S. S. Archimede, (It) N. 35° 54′, W. 65° 23′ †	30.27	768.8	64	17.8	.....	sw.	.....	.....	6	.....	6	.....	wsw.	0	0	h'vy	sw.	cloudy.
S. S. Picqua, Lisbon, Portugal †	30.10	764.5	63	17.2	72	e.	.....	.....	2	.....	.....	.....	.....	0	0	.....	.....	clear.
S. S Italy, N. 46° 42′, W. 37° 04′ *	30.14	765.5	40	4.4	91	w.	.....	.....	7	.....	8	.....	W.	6 h'r	6 h'r	h'vy	w.	squally.
S. S. Muriel, St. Kitts, W.I	.....	.....	78	25.6	.....	ene.	.....	.....	4	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Pennland, New York, N. Y	30.01	762.2	30	— 1.1	.....	nnw.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	clear.
S. S. Vaderland, N. 45° 37′, W. 32° 25′ †	30.12	765.0	51	10.6	.....	nw.	.....	.....	6	.....	3	.....	W;ne.	2 h'r	2 h'r	high	wnw.	
S. S. Waesland, N. 48° 00′, W. 26° 20′	30.00	762.0	42	5.6	.....	wnw.	.....	.....	10	.....	10	.....	wnw.	2 h'r	2 h'r	h'vy	wnw.	h'vy squalls

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
										Amount and kind.		Direction.						
						Direction.	Velocity		Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
S. S. Amsterdam, N. 42° 07′, W. 55° 23′	.....	.....	58.3?	14.6?	91	se.	.....	.....	3	.....	9	.....	s.	5 h'r	5 h'r	high	w.	raining.
S. S. P. Caland, N. 41° 18′, W. 64° 10′	.....	.....	54.0	12.2	95	var.	.....	.....	4–6	.....	10	.....	sw.	8 h'r	8 h'r	4	sw.	
S. S. State of Nevada, N. 49° 27′, W. 33° 36′*†	30.00	762.0	38	3.3	.....	wnw.	.....	.....	6	.....	8	.....	nw.	.....	.....	high	nw.	snowing.
S. S. Saxon, N. 41° 27′, W. 70° 17′	.....	.....	34	1.1	.....	n.	.....	.....	3	.....	10	.....	.....	0	0	.....	.....	threatening.
S. S. Republic, N. 50° 53′, W. 14° 18′†	29.88	758.9	53	11.7	100	ssw.	.....	.....	6	.....	10	.....	.....	sh'rs	sh'rs	h'vy	sw.	misty.
S. S. Marengo, N. 39° 28′, W. 56° 43′	.....	.....	57	13.9	.....	s.	.....	.....	6	.....	8	.....	sw.	6 h'r	6 h'r	r'gh	sw.	hazy.
S. S. Rialto, N. 42° 37′, W. 57° 00′	.....	.....	41	5.0	.....	sse.	.....	.....	6	.....	10	.....	se.	6 h'r	6 h'r	high	se.	cloudy.
Schr. Arthur Burton, N. 30° 44′, W. 80° 11′†	30.21	767.3	.....	.....	.....	sw.	.....	.....	3	.....	5	.....	sw.	o	o	rg'h	s.	fine.
Bgt Achsah, Port of Spain, Trinidad, W.I†	30.04	763.0	79	26.1	.....	e.	.....	.....	2	.....	2	.....	ene.	o	o	.....	.....	clear.
S. Annie, N. 27° 31′, W. 30° 13′*	30.38	771.6	.....	.....	.....	nne.	.....	.....	5	.....	7	.....	ne.	o	o	mod.	nne.	fair.
Schr. Abbie H. Gheen, off Charleston, S.C *†	30.19	766.8	60	15.6	.....	ssw.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
Bk. Alpha, N. 44° 25′, W. 18° 21′*†	30.05	763.3	56	13.3	.....	wsw.	.....	.....	5	.....	8	.....	nw.	4 h'r	4 h'r	sm'h	w.	cloudy.
Bk. Achille F., N. 29° —′, W. 40° 15′ *†	30.57	776.5	70	21.1	70	e.	.....	.....	4	.....	4	.....	e.	o	o	long	var.	fine.
Bk. Bore, N 46° 36′. W. 12° 24′ *†	30.17	766.3	56	13.3	.....	s.	.....	.....	6	.....	5	.....	ssw.	o	o	r'gh	var.	hazy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	79	26.1	.....	ene.	.....	.....	4	.....	8	.....	ne.	o	o	.....	.....	cloudy.
Bk. Oato, Oporto, Portugal †	30.12	765.0	59	15.0	82	e.	.....	.....	3	.....	.....	.....	.....	o	o	.....	.....	fair.
S. David Stewart, Orchilla Island, Venezuela	.....	.....	76	24.4	.....	ene.	.....	.....	4	.....	5	.....	ene.	o	o	long	n.	
Schr. Edith R. Seward, Berbice, British Guiana†	30.06	763.5	81	27.2	.....	ne.	.....	.....	1	.....	2	.....	ne.	1 h'r	1 h'r	.....	.....	clear.
U. S. Fish Com. S.S Fish Hawk, Washington, D.C.	30.07	763.8	38	3.3	.....	calm	.....	.....	0	.....	10	.....	calm	0.50	12.7	.....	.....	cloudy.
Bg. George, N. 20° 25′, W. 63° 12′*†	30.53	775.4	69	20.6	75	e.	.....	.....	5	.....	10	.....	e.	rain	rain	long	wnw.	d. clouds.
Bk. Galeon, N. 45° 04′, W. 15° 38′	30.20	767.1	.....	.....	.....	e.	.....	.....	6	.....	10	.....	e.	sh'rs	sh'rs	r'gh	e.	rainy.
S. Gatherer, N. 33° 25′, W. 42° 35′	.....	.....	55	12.8	.....	s.	.....	.....	6	.....	10	.....	ssw.	2 h'r	2 h'r	.....	w.	raining.
Bk. Helhrich & Tonio, N. 48° 50′. W. 21° 00′*†	.....	.....	65	18.3	73	ne.	.....	.....	4	.....	4	.....	n.	o	o	.....	wnw.	clear.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	29.96	761.0	52	11.1	79	w.	.....	.....	5	.....	3	.....	w.	4 h'r	4 h'r	r'gh	w.	fair.
Schr. Jennie N. Huddell, Wilmington, N.C	.....	.....	79	26.1	.....	ne.	.....	.....	8	.....	5	.....	ne.	2 h'r	2 h'r	.....	.....	
Bg. John Welsh, jr., N. 21° 25′. W. 56° 57′†	30.21	767.3	59	15.0	.....	ssw.	.....	.....	2	.....	10	.....	ssw.	3 h'r	3 h'r	.....	.....	cloudy.
Schr. John Bird, N. 21° 37′, W. 72° 41′	.....	.....	.....	.....	.....	ene.	.....	.....	6	.....	5	.....	ene.	.....	.....	r'gh	e.	fair.
Schr. Jenny Greenbank, N. 24° 11′, W. 57° 18′*	30.29	769.4	70	21.1	.....	ene.	.....	.....	5	.....	10	.....	e.	o	o	h'vy	.....	fine.
Bg. L. & W. Armstrong, N. 23° 45′. W. 54° 11′ †	30.28	769.1	.....	.....	.....	ne.	.....	.....	5	.....	4	.....	ene.	4 h'r	4 h'r	mod.	nnw.	fair.
Light-house tender Laurel, off Cedar Keys, Fla †.	30.16	766.1	68	20 0	.....	e.	.....	.....	5	.....	1	.....	e.	½ h'r	½ h'r	mod.	e.	clear.
S. S. Madrid, Savona, Italy†	29.99?	761.7?	58	14.4	81	e.	.....	.....	1–2	.....	2	.....	e.	o	o	.....	.....	clear.
Schr. Maggie Abbott, Gonalves, Hayti, W I.	.....	.....	.....	.....	.....	n.	.....	.....	3	.....	6	.....	nne.	o	o	.....	.....	fair.
Schr. Nellie T. Morse, N. 25° 11′, W. 80° 32′†	30.24	768.1	77	25.0	.....	nne.	.....	.....	3	.....	2	.....	calm	o	o	.....	.....	clear.
Bk. Rosina, N. 38° 54′, W. 70° 11′*†	30.10	764.5	48	8.9	.....	ese.	.....	.....	4	.....	4	.....	ese.	o	o	.....	.....	clear.
Bk. Sunbeam, Lisbon, Portugal†	30.06	763.5	65?	18.3?	86	nnw	.....	.....	4	.....	10	.....	.....	6 h'r	6 h'r	r'gh	s.	gloomy.
S. Stephen D. Horton, Antwerp, Belgium †	30.13	765.3	.....	.....	.....	ne.	.....	.....	5	.....	0	.....	.....	o	o	.....	.....	clear.
S. Tsemogora, N. 48° 01′. W. 25° 08′	.....	.....	.....	.....	.....	nw.	.....	.....	4	.....	9	.....	nw.	o	o	.....	.....	cloudy
Bk. Tros, N. 45° 58′, W 18° 08′ *†	30.06	763.5	54	12.2	.....	w.	.....	.....	6	.....	3	.....	w.	rain	rain	long	w.	clear.
S. Vincenzo Accame, N. 35° 56′, W. 12° 59′†	30.17	766.2	57.2	14	.....	nw.	.....	.....	5	.....	6	.....	w.	1 h'r	1 h'r	long	nw.	light rain.
						nne.	.....	.....	5	.....	5	.....	n.	o	o	.....	var.	
District No. 2—South Atlantic.																		
H. M. S. Amethyst, Stanley, Falkland Ilds	29.51	749.5	50.5	10.3	89	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. M. S. Opal, Simons Bay, Cape Colony	29.77	756.1	66	18.9	74	se.	.....	.....	9	.....	2	se.	.....	.....	.....	.....	.....	squally.
H. M. S. Sylvia, Montevideo, Uruguay	30.03	762.7	69.5	20.8	77	ne.	.....	.....	2	.....	3	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Tejo, S 6° 30′, E. 12° 00′	30.02	762.5	84.2	29.0	92	ssw.	.....	.....	2	.....	10	.....	.....	o	o	.....	.....	overcast.
H. P. M. S Rainha de Portugal, S. 14° 23′, E. 12° 24′	29.85	758.2	75.6	24.2	66	wsw.	.....	.....	3	.....	1	.....	.....	o	o	3	.....	blue sky.
S. S. Hevelius, Buenos Ayres, La Plata*†	30.08	764.0	72	22.2	.....	nne.	.....	.....	2	.....	0	.....	.....	o	o	.....	.....	clear.
S. S. Strassburg, S. 11° 48′, W. 35° 07′	30.05	763.3	88.5	31.4	69	nne.	.....	.....	1–2	.....	3	.....	ne.	o	o	1	ne.	clear
S. Grecian, S. 7° 50′, W. 31° 21′†	30.07	763.8	83	28.3	87	e.	.....	.....	3	.....	4	.....	e.	o	o	long	n.	clear.
S. Henry Failing, S. 4° 31′, W. 30° 18′*†	29.91	759.7	84	28.9	91	ene.	.....	.....	3	.....	8	.....	e.	4 h'r	4 h'r	long	nne.	fair.
Bk. Horace Scudder, Loango, Guinea*†	30.00	762.0	83	28.3	.....	wnw.	.....	.....	3	.....	5	.....	wsw.	2 h'r	2 h'r	.....	sw.	fair.
S. Ismir, S. 39° 51′, W. 30° 50′ *†	30.00	762.0	.....	.....	.....	nnw.	.....	.....	2	.....	10	.....	nnw.	o	o	.....	sw.	overcast.
Bkt. Levanter, Montevideo, Uruguay*	30.04	763.0	72	22.2	.....	ene.	.....	.....	2	.....	3	.....	ne.	o	o	.....	.....	fair.
S. S. Mendoza, S. 30° 04′, W. 39° 49′†	30.15	765.8	.....	.....	.....	ese.	.....	.....	3	.....	.....	.....	e.	o	o	sm'h	sse	clear.
U. S. S. Nipsic, Punta Lara, La Plata*	29.95	760.7	69	20.6	95	ne.	.....	.....	2	.....	8?	.....	e.	.....	.....	.....	.....	clear.?
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.99	761.7	52	11.1	47	sw.	.....	.....	6	.....	5	.....	w.	o	o	.....	.....	fair.
U. S. S. Essex, Hong Kong, China	29.88	758.9	65	18.3	94	ne.	.....	.....	5	.....	8	.....	ne.	.....	.....	.....	.....	cloudy
U. S. S. Juniata, Roze Island, Corea	30.14	765.5	39	3.9	91	w.	.....	.....	1	.....	2	.....	w.	o	o	.....	.....	hazy.
U. S. S. Palos, Tientsin, China	30.30	769.6	34	1.1	79	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Ranger, Estero Real, Nicaragua	29.99	761.7	76	24.4	77	calm	.....	.....	0	.....	0	.....	.....	o	o	.....	.....	clear.
H. M. S. Audacious, Hong Kong, China	29.86	758 4	67	19.4	88	ene.	.....	.....	2	.....	7	ene.	.....	.....	.....	.....	.....	misty.
H. M. S. Champion, Shanghai, China	30.02	702.5	53	11.7	73	e.	.....	.....	2–4	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. P. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	29.93	760.2	55.4	13.0	91	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	1	.....	thund'r st'm
H. P. M. S. Tamega, Macao, China	29.89	759 2	70.3	21.3	97	calm	.....	.....	0	.....	10	.....	.....	5 h'r	5 h'r	.....	.....	rain & fog.
U. S. S. Monocacy, Canton, China	29.82	757.4	66	18.9	45	ene.	.....	.....	1	.....	10	.....	calm	.....	.....	.....	.....	raining.
S. S. City of Chester, near Cape Mendocino, Cal†	29.69	754.1	47	8.3	100	nw.	.....	.....	4	.....	10	.....	rain	rain	light	nw.		
S. S. Oregon, Portland, Oregon †	29.74	755.4	37	2.8	62	calm	.....	.....	0	.....	10	.....	e.	.....	.....	.....	.....	cloudy.
S. S. Alameda, N. 32° 16′, W. 134° 38′†	30.00	762.0	61	16.1	77	nw.	.....	.....	3	.....	3	.....	nw.	o	o	light	wnw.	clear.
S. S. Ancon, Piedras Blancas, Cal†	29.77	756.1	56	14.4	87	sse.	.....	.....	2	.....	5	.....	sw.	o	o	mod.	se.	fair.
S. S. Geo. W. Elder, Juan de Fuca Strait	.....	.....	34	1.1	52	ne.	.....	.....	4	.....	2?	.....	.....	o	o	.....	.....	overcast.?
S. S. State of California, N. 41° 12′, W 124° 30′†	29.66	753.4	47	8.3	93	nw.	.....	.....	3	.....	6	.....	wnw.	.....	.....	sm'h	.....	
S. S. City of Pekin, N. 30° 00′, E. 176° 00′†	30.03	762.7	62	16.7	66	wnw.	.....	.....	4	.....	10	.....	n.	o	o	mod	var.	squally.
S. S. City of Rio de Janeiro, N. 32° 00′, E. 166° 51′ †	30.18	766.6	56	13.3	.....	nw.	.....	.....	5	.....	.....	.....	nw.	.....	.....	long	nw.	squally.
S. S. Colima, N. 12° 30′, W. 88° 20′ †	30.01	762.2	78	25.6	82	ene.	.....	.....	4	.....	2	.....	calm	o	o	small	ene.	clear.
S. S. Granada, N. 22° 57′, W. 109° 31′ †	30.01	762.2	69	20.6	90	nne.	.....	.....	3	.....	0	.....	.....	o	o	light	ssw.	clear.
S. S. San Jose, Panama	.....	.....	71	21.7	95	nw.	.....	.....	2	.....	2	.....	nw.	o	o	.....	.....	clear.
S. S. Benalder, Yokohama, Japan	30.13	765.3	46	7.8	84	sw.	.....	.....	3–4	.....	6	.....	sw.	o	o	.....	.....	fair.
S. St. Francis, N. 37° 50′, W. 125° 30′	.....	.....	52	11.1	86	nw.	.....	.....	6	.....	9	.....	nnw.	6 h'r	6 h'r	mod.	nw.	rainy.
District No. 4—South Pacific.																		
U. S. S. Pinta, S 52° 49′, W. 70° 34′	29.51	749.5	49	9.4	78	wsw.	.....	.....	2	.....	8	.....	w.	.....	.....	sm'h	.....	cloudy.
U. S. S. Wachusetts, Iquique, Peru	29.95	760.7	63	17.2	100	sse.	.....	.....	1	.....	5	.....	calm	.....	.....	long	ssw.	fair.
H. M. S. Espiegle, S. 41° 17′, E. 174° 48′	30.37	771.4	55	12.8	74	sse.	.....	.....	4	.....	6	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.10	764.5	58.3	14.6	81	se.	.....	.....	2	.....	7	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.91	760.5	73	22.8	85	se.	.....	.....	1	.....	8	sw.	.....	.....	.....	.....	.....	overcast.
S. S. City of Sydney, S. 21° 17′ W. 174° 21′*†	29.96	761.0	80	26.7	87	e.	.....	.....	3	8 ck	.....	e.	.....	.....	.....	light	se.	cloudy.
S. S. Zealandia, S. 31° 33′, E. 179° 35′	30.03	764.7	70	21.1	75	calm	.....	.....	0	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 23° 28′, E 36° 48′	29.89	759.2	78	25.6	82	nne.	.....	.....	2	.....	2	.....	.....	.....	.....	sm'h	nne.	clear.
H. M. S. Magpie, N. 7° 12′, E. 99° 04′	29.78	756.4	82.5	28.1	72	w.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	misty.
H. M. S. Tourmaline, S. 12° 15′, E 49° 20′	29.82	757.4	82	27.8	87	ese.	.....	.....	2	.....	4	.....	.....	.....	.....	sm'h	.....	d. clouds.
S. Orealia, S. 40° 48′, E. 62° —′*.	29.80	756.9	.....	.....	.....	var.	.....	.....	4	.....	fg.	.....	.....	o	o	sm'h	w.	foggy.

International Chart I. March 6, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 7, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.94	760.5	59.7	15.4	77	w.	.....	.....	1	.....	3	.....	.....	0.094	2.4	pretty fair...	Koziere.
Algiers	.....	.....	29.85	758.2	58.3	14.6	76	w.	.....	.....	1	.....	6	.....	.....	0.276	7.0	cloudy.....	Théve.
La Calle	.....	.....	29.78	756.5	57.9	14.4	85	sw.	.....	.....	3	.....	4	.....	.....	0.071	1.8	cloudy.....	Fonfrède.
Tunis	.....	.....	29.78	756.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.82	757.5	41.4	5.2	81	nw.	.....	.....	3	.....	5	.....	.....	0	0	cloudy.....	Forfert.
Laghouat	.....	.....	29.83	757.7	55.9	13.3	.....	calm	.....	.....	0	.....	9	.....	.....	0.394	10.0	covered.....	Abraham.
Biskra	.....	.....	29.77	756.1	61.9	16.6	77	n.	.....	.....	2	.....	6	.....	.....	0.165	4.2	cloudy.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.06	763.5	70.3	21.3	68	ene.	12	5.4	.....	.....	4 k	.....	w.	inap.	inap.	fine.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.90	759.4	30.09	764.3	55.3	12.9	86	s.	27	12.1	.....	.....	10	.....	s.	0.11	2.8	cloudy.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.98	761.5	30.07	763.8	62.3	16.8	92	ssw.	5	2.2	.....	.....	10	.....	.....	0.10	2.5	dull.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.40	746.7	29.96	761.0	42.4	5.8	50	se.	.....	.....	3	.....	8	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.19	741.3	29.98	761.4	37.4	3.0	73	ese.	3.8	1.7	.....	.....	4	.....	.....	0.028	0.7	.....	Dr. Wierzbiski
Eperies	29.11	739.4	30.02	762.4	39.2	4.0	49	calm	.....	.....	0	10 cs	.....	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.71	729.2	30.00	762.1	36.5	2.5	74	ne.	.....	.....	2	.....	10	.....	.....	0.028	0.7	.....	Andreas Rospini.
Hermannstadt	28.54	724.9	30.00	762.1	38.3	3.5	83	ssw.	.....	.....	3	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.52	724 3	29.90	759.4	38.1	3.4	87	ene.	.....	.....	1	.....	10	.....	.....	0.126	3.2	.....	The Staff.
Lemberg	29.08	738.7	30.13	765.4	25.7	— 3.5	69	se.	.....	.....	2	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.76	755.8	29.87	758.7	51.4	10.8	58	ese.	.....	.....	2	.....	7	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.50	749.4	29.98	761.5	40.3	4.6	62	s.	.....	.....	4	.....	1	.....	.....	0	0	.....	Joseph Midlinesky, S. J
Szegedin	29.72	754.9	30.01	762.3	39.6	4.2	47	se.	.....	.....	2	.....	8	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.81	757.1	29.91	759.6	52.0	11.1	43	e.	.....	.....	2	.....	2	.....	.....	0	0	.....	Royal Academy.
Vienna	29.21	741.9	29.95	760.7	37.0	2.8	75	se.	.....	.....	2	.....	10	.....	.....	0.319	8.1	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28 50	724.0	29.91	759.8	41.0	5.0	64	sw.	.....	.....	0–1	.....	2	.....	.....	0.008	0.2	.....	
Brussels	29.76	755.8	29.96	761.0	45.3	7.4	61	nnw.	.....	.....	1	6	.....	n.	.....	0	0	.....	
Furnes	29.95	760.6	29.97	761.1	49.5	9.7	62	s.	.....	.....	1	.....	2	.....	.....	0	0	.....	
Maeseyck	29.87	758.6	29.99	761.8	44.2	6.8	79	wnw.	.....	.....	1	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.68	753.9	29.78	756.4	44.4	6.9	80	s.	19	8.5	.....	.....	10	.....	.....	0.510	13.0	overcast.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.83	757.7	48.9	9.4	67	se.	17	7.6	.....	.....	5	.....	.....	.....	.....	d. clouds....	John Hartnup.
Bolton, Sharples	29.32	744.7	29.86	758.4	45.4	7.4	78	sse.	6	2.7	.....	.....	10	.....	.....	.....	.....	overcast.....	Thomas Mackereth.
Bradford, Yorkshire	29.46	748.3	29.85	758.2	47.5	8.6	65	s.	.....	.....	3	.....	9	.....	.....	0	0	overcast.....	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.03	762.7	30.06	763.5	76	24.4	86	e.	.....	.....	1	.....	7?	.....	.....	.....	.....	overcast?....	Corp'l O. McGregor, A.H.O
Cardington	.....	.....	.....	.....	43.6	6.4	88	sw.	.....	.....	0.4	.....	9	.....	.....	.....	.....	overcast.....	John McLaren.
Chatham, School M. E.	29.78	756.4	29.96	761.0	50.7	10.4	74	calm	.....	.....	0	.....	7	.....	.....	.....	.....	misty.....	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.64	752.8	29.88	758.9	47.9	8.8	79	sse.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Fort Napier, Natal	27 57	700.3	29.88	758.9	81.8	27.7	53	nw.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.69	754.1	29.73	755.1	45	7.2	84	sw.	.....	.....	1	.....	4	.....	.....	0.37	9.4	d. clouds....	Wm. Ryan.
Gibraltar, Mediterranean	29.91	759.7	30.00	762.0	61.8	16.6	88	w.	.....	.....	3	.....	4	.....	.....	.....	.....	blue sky.....	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.78	756.4	29.95	760.7	49.6	9.8	59	ssw.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds....	The Staff.
Guernsey	29.64	752.8	29.94	760.5	49.5	9.7	68	s.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky.....	A. Collenette, F.R.M.S
Kew, Observatory	29.91	759.7	29.95	760.7	47.2	8.4	70	w.	6	2.7	.....	.....	9	.....	.....	.....	.....	d. clouds....	The Staff.
Leicester, Museum	29.66	753.4	29.92	760.0	48.7	9.3	65	sw.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds....	J. C. Smith.
Malta, Mediterranean	29.53	750.0	29.61	752.1	61.8	16.6	77	se.	.....	.....	2	.....	6	.....	.....	0.18	4.6	d. clouds....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.16	766.1	30.20	767.1	74.5	23.6	83	se.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.71	754.6	29.94	760.5	46.4	8.0	78	wsw.	.....	.....	3	.....	9	.....	.....	.....	.....	overcast.....	The Staff.
Plymouth	29.82	757.4	29.89	759.2	48.5	9.2	74	s.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast.....	John Merrifield.
Sandwick Manse, Orkneys	29.58	751.3	29.68	753.9	44	6.7	94	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	drizzling....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.95	760.7	30.02	762.5	42.8	6.0	75	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	gloomy.....	W. H. Lyne.
Sheffield	29.60	751.8	29.88	758.9	51.0	10.6	63	sw.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds....	W. F. Cooper.
Silloth Rectory	29.76	755.9	29.79	756.7	40.2	7.9	92	sw.	.....	.....	4	.....	10	.....	.....	0.215	5.5	overcast.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.86	758.4	47.0	8.3	70	s.	16	7.2	.....	.....	6	.....	.....	0.066	1.7	d. clouds....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	40.0	7.8	86	s.	.....	.....	1.0	.....	10	.....	.....	.....	.....	d. clouds....	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.80	756.9	29.82	757.4	47.9	8.8	61	nnw.	9	4.0	.....	.....	6	.....	.....	.....	.....	d. clouds....	The Met'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.33	745.0	29.72	754.9	59.0	15.0	89	e.	8.1	3.6	.....	.....	10 n	.....	e.	0.17	4.3	cloudy.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.87	758.7	29.99	761.7	62.3	16.8	69	nne.	14	6.3	.....	.....	10 k	.....	wsw.	0	0	cloudy.....	The Staff.
CANADIAN.																			
Bathurst, N. B	30.42	772.7	30.46	773.7	4.0	—15.6	.....	calm	0	0	.....	10 c	0	.....	.....	0.200	5.1	overcast.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.30	771.1	30.40	772.1	9	—12.8	98	ne.	10	4.5	.....	0	8 s	.....	w.	0.080	2.0	cloudy.....	H. J. Cundall, C. E.
Chatham, N. B	30.39	771.9	30.46	773.7	0	—17.8	100	n.	5	2.2	.....	0	0	.....	.....	0.11	2.8	clear.....	G. A. Blair.
Cornwall, Ontario	30.08	764.0	30.29	769.4	16.8	— 8.4	97	w.	.....	.....	1	.....	10 s	.....	.....	0.050	1.3	d. clouds....	Jas. Smith, M. A.
Dalhousie, N. B	30.42	772.7	30.47	773.9	—10.5	—23.6	.....	nw.	.....	.....	1	0	.....	.....	.....	0.100	2.5	blue sky.....	H. A. Johnson.
Father Point, Quebec	30.40	772.1	30.42	772 7	—11	—23.9	78	s.	4	1.8	.....	2 cs	0	.....	.....	0	0	clear.....	J. McWilliams
Fort Garry, Manitoba	29.41	747.0	30.42	772 7	—27	—32.8	100	w.	10	4.5	.....	0	0	.....	.....	0	0	clear.....	James Stewart.
Fredericton, N. B	30.35	770.9	30.13	772.9	7.3	—13.7	93	n	1	0.4	.....	.....	10 s	.....	.....	inap.	inap.	overcast.....	Dr. Thos. Harrison.
Grand Manan, N. B	30.32	770.1	30.38	771.6	20	— 6.7	91	ne.	13	5.8	.....	.....	10 ks	.....	.....	0	0	cloudy.....	J. Chipman Seeley
Granton, Ontario	29.05	737.9	30.25	768.3	16.5	— 8.6	92	calm	0	0	.....	.....	10 n	.....	.....	0.500	12.7	overcast.....	Jas. Grant.
Halifax, N. S	30.21	767.3	30.34	770.6	22	— 5.6	87	n.	5	2.2	.....	8 ck	0	w.	.....	0.20	5.1	cloudy.....	A. Allison.
Hamilton, Ontario	29.77	756.1	30.21	767.3	19.1	— 7.2	83	ne.	.....	.....	1	10 cs	0	ne.	.....	0.300	7.6	overcast.....	Geo. Dickson, B. A.
Kingston, Ontario	29.95	760.7	30.32	770 1	17	— 8.3	83	calm	0	0	.....	.....	10 n	.....	.....	0.16	4.1	light snow...	A. P. Knight, M. A.
Little Glace Bay, N. S	30.20	769.4	30.33	770.4	14.0	—10.0	85	n.	3	1.3	.....	6 k	0	.....	.....	0.300	7.6	fair.....	C. H. Rigby.
London, Ontario	29 28	743 7	30.25	768.3	18.8	— 7.3	92	calm	.....	.....	0	.....	10 n	.....	.....	.....	.....	overcast.....	E. B. Reed.
Medicine Hat, N. W. T	27 54	699.5	30.12	765 0	— 8	—22.2	95	s.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	John Ewart.
Minnedosa, N. W. T	28.14	714.7	30.45	773.4	—29	—33.9	100	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec	30.10	764.5	30.33	770.4	8	—13.3	96	se.	5	2.2	.....	.....	10 n	.....	.....	0.02	0.5	light snow...	C. H. McLeod, C. E.
Ottawa, Ontario	30.07	763.8	30.32	770 1	7.0	—13.9	84	w.	.....	.....	.....	.....	10 k8	.....	.....	0.025	0.6	overcast.....	A. McGill, M. A.
Parry Sound, Ontario	29.53	750.0	30.32	770.1	— 2	—18.9	71	e.	6	2.7	.....	2 k	2 ks	e.	e.	0	0	fair.....	Rev. R. Mosley.
Peterboro, Ontario	29.47	748 5	30.27	768.8	10.6	— 8.6	66	calm	.....	.....	0	.....	10 k	.....	.....	0.17	4.3	overcast.....	Wm. O'Connor, M.A.
Port Arthur	29.65	753.1	30.46	773.7	—10	—23.3	90	s.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.48	748.8	30.23	767.8	20	— 6.7	100	ne.	8	3.6	.....	.....	10 n	.....	.....	0.01	0.3	cloudy.....	H Morgan.
Port Stanley, Ontario	29.54	750.3	30.23	767.8	21	— 6.1	87	ne.	1	0.4	.....	.....	10 n	.....	e.	inap.	inap.	cloudy.....	M. Payne.
Qu Appelle, N. W. T	27.71	703.8	30 35	770.9	—19	—28.3	.....	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	Leslie Gordon.
Quebec, Quebec	29.96	761.0	30.36	771.1	3	—16.1	79	n.	16	7.2	.....	8 cs	0	w.	.....	inap.	inap.	cloudy.....	Capt. Asne, R. N.
Rockliffe, Ontario	29.81	757.2	30.34	770.6	— 9	—22.8	82	w.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	W. H. McIntyre.
St. Andrews, N. B	30.32	770.1	30.37	771.4	15	— 9.4	93	ne.	3	1.3	.....	.....	10 n	.....	.....	0.02	0.5	cloudy.....	
St. John, N. B	30.23	767.8	30.39	771.9	10.3	— 8.7	91	nw.	12	5.4	.....	.....	10 n	.....	.....	0.130	3.3	overcast.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.16	766.0	24.8	— 4.0	.....	w.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	.....	.....	.....	.....	9	—12.8	96	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy.....	
Stratford, Ontario	29.50	749.3	30.29	769.4	16.1	— 8.8	83	calm	0	0	.....	.....	10 s	.....	.....	0	0	d. clouds....	W. McBride, M.A.
	28.86	733.0	30.24	768.1															

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
Canadian.—Continued.																			
Sydney, C. B*	30.26	768.6	30.33	770.4	16	— 8.9	87	calm	0	0		10 cs	0			0.24	6.1	cloudy	T. C. Hill, C. E.
Toronto, Ontario*	29.87	758.7	30.29	769.4	17	— 8.3	96	ne.	6	2.7			10 n			0.40	10.2	light snow	Magnetic Observatory.
Woodstock, Ontario	29.13	739 9	30.28	769.1	18.6	— 7.4	85						10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	30.26	768.6	30.33	770.4	25	— 3.9	80	calm	0	0		10 ck	0	w.		0.01	0.3	cloudy	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt. House	29.79	756.7	29.82	757.4	64.0	17.8	94	sw.				0	9 n			0.230	5.8	squally	I. Garfelt.
Cape Town, The Castle	29.85	758.2			69.5	20.8	71	nnw.				0	8 k			0	0		Capt. R. Gardner Warton
Springbok Fontein	27.93	709.4			73	22.8	51									0	0		J. F. Eustace
Chilian.																			
Iquique																			Rafael Moreno.
Niebla	29.54	750.3	29.65	753 0	55.8	13.2	95	e.			3		8		e.	0	0	misty	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					59.0	15.0	89	s.			1		10 n		s.	0	0	cloudy	Leon Herrera.
Valparaiso	29.84	757.8	29.98	761.4	60.8	16.0	89	se.			1		10					cloudy	Paez-I-Ampuero.
Chinese (*sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.14	765.5	30.16	766.1	38.3	3.5	74	nw.	8.9	4.0		7 cs				0.118	3.0	very cloudy	M. Marc Dechevrens, S. J.
Danish.																			
Copenhagen	30.03	762 7	30.08	763 9	31.5	— 0.3	94	ese.	9	4			10					snowing	Oversergent Fischer.
Fanöe	30.03	762 7	30.05	763 2	34.7	1.5	82	e.			4		8						Overloerer Lauridsen.
Godthaab, Greenland	29.52	749 9	29.57	751 0	—10.7	—23.7		nw.			4		10						S. Kleinschmidt.
Ivigtut, Gree land	29.48	748.8	29.50	749 3	— 0.8	—18.2		ne.			2		9						
Stykkisholm, Iceland	29.24	742.6	29.28	743 7	30.4	— 0.9	86	sw.			2		10					snowing	A. O. Thoriacius.
Thorshavn	29.39	746.4	29.41	747 0	45.9	7.7	93	se.	16	7.			10						Overloerer Bergh.
Upernavik, Greenland	29.30	744 3	29.35	745.5	— 3.5	—19.7		sw.			6		10					snowing	
Vestervig	29.96	760.9	30.05	763.2	34.2	1.2	75	e.			2		10						Loerer Oesterbol.
Egyptian.																			
Cairo	29.64	752.9			86.0	30.		sw.	6.0	2.7		4 ck				0	0		Albert Ismalun, Dir.
French.																			
Agen, Normal School	29.35	745.5	30.01	762 2	48.2	9	73	nnw.			1		0			0	0	clear	M. Labroue, Director.
Alençon, Normal School	29.40	746.8	29.95	760.8	43.5	6.4	74	nw.			1		2		se.	0.04	1	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.66	753.4	29.91	759.6	48.4	9.1	63	w.			1		2	s.		0	0	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.72	754.8	29.80	756 8	55.4	13	43	nnw.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.38	746.2	29.95	760.6	42.8	6.0	82	e.			1		5 cn		ne.	0	0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.70	754.4	29.97	761.2	46.0	7.8	59	e.			1		5		ne.	0	0	cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.95	735.2	29.85	758.1	48.2	9.	55	ene.					k		nw.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.63	752.7	29.90	759.4	50.5	10.3	59	e.			1		0			0	0	misty	M. Rayet, Director.
Bourges, Normal School	29.38	746.2	29.94	760.5	47.5	8.6	70	n.			1		5		n.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.71	754.7	29.95	760 8	48.9	9.4	78	s.			2		5		s.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.87	758.7	29.95	760 6	50.0	10.	86	w.			1		0			0	0	clear	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l	29.61	752 2	29.94	760.5	45.9	7.7	71	nw.			1		2			0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.41	747.1	29.94	760 5	46.0	7.8	48	ene.			1		5			0	0	½ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.51	724.2	29.89	759 3	43.2	6.2	42	nnw.			1		5 k		ne.	0	0		M. Alluard, Director.
Cluny, Normal School	29.04	737.7	29.94	760 5	46.4	8	53	n.			2		2		n.	0	0	slightly cl'dy	M. de Villemonté, Dir.
Commercy, Normal School	29.08	738 6	29.97	761.2	40.8	4.9	60	n.			2		5 kn	e.	e.	0	0	cloudy	Dr. Coulet, Director.
Gap, Normal School	27 24	692 0	29.83	757 7	40.6	4.8	87	n.			2		9			0.16	4.	rain & snow	M. Jarach, Director.
Grénoble, Normal School	28.62	726.9	29.75	755 6	50.0	10.0	64	ne.			2		10		se.	0	0		M. Kina, Director.
Grenoble, Normal School	29.06	738.2	29.84	757.8	48.6	9.2	69	ne.			1		5 k			0	0	cloudy	M. Ablard, Director.
Guéret, Normal School	28 28	718.4	29.90	759.5	41.9	5.5	61	e.			1	2 ck			ne.	0	0	slightly cl'dy	M. Delorme, Dir.
Lambalie Normal School																			M. Polipre, Dir.
Lescar, Normal School	29.31	744.5	29.85	758.3	52.0	11.1	44	n.			1		0			0	0		M. Ollanyn, Director.
Lorient, Naval Observatory	29.85	758.2	29.95	760 8	52.5	11.4	59	s.			4		0			0	0	clear	L. T. Carre, Director.
Lyon, St. Genis-Laval	28 81	731.7	29.88	759 0	43.2	6.2	63	n.			2		k		nne.	0	0		M. André, Director.
Mans, Normal School	29.65	753.2	29.97	761.2	45.5	7.5	65	e.			1		2 k		e.	0	0	slightly cl'dy	M. Richard, Director
Marseille, Observatory	29.50	749 4	29.77	756.2	53.6	12.0	58	wsw.			1-2		3		sw.	0	0		M. Stephan, Director.
Montlouis	24.58	624.2	29.42	747 2	38.8	3.8	70	sw.	5.6	2.5			0			0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.67	753 5	29.78	756.3	55.8	13.2	55	nw.			2		0			0	0	clear	M. Galzin, Director.
Nancy, Normal School	29.13	739.9	29.03	760 3	41.0	5.0	74				1				w.	0	0		M. Hasse, Director.
Nantes, Observatory	29.82	757.5	29.98	761.6	50.9	10.5	58	ese.			0-1		1 k			0	0		M. Larocque, Director.
Perpignan, Observatory	29 73	755 1	29.84	758.0	53.6	12.0	37	nw.	7.4	3.3			2			0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.92	531.3			24.8	— 4.0		calm			0		0			0	0	clear	M. Vaussenat, Director.
Privas, Normal School	28.94?	735. ?	30.02?	762.4?	50.4	10.2	44	calm			0		2	n.		0	0	slightly cl'dy	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.91	632 6			25.9	— 3.4	100	ene.			3		8			0.008	0.2		M. Alluard.
Rochefort, Naval Obs'y	29.91	759.7	29.94	760.5	52.9	11.6	46	ene.			1		0			0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.69	754.1	29.90	759.5	50.7	10.4	56	e.			1				se	0	0		M. Brotlier, Director.
Rodez, Normal School	27.67	702 7	29.87	758.8	42.6	5.9	69	nw.			2		5 k		se.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.94	760 5	29.99	761 7	46.4	8	59	n.			1		2		n.	0	0	slightly cl'dy	M. Mouillot, Dir.
Saint Maur, Observatory	29.80	756.8	29.96	761 0	47.8	8.8	51	n.			1		1	nne.	ne.	0	0	slightly cl'dy	M. Renou, Director.
Toulouse, Observatory	29.17	740 9	29.89	759.2	48.6	9.2	52	nw.			1		0			0	0	clear	M. Baillard, Director.
Tours	29.76	755 8	29.94	760.4	50.4	10.2	52	ne.			1				ne.	0	0		M. de Tastes.
Versailles, Observatory	29.46	748.3	29.95	760.8	45.3	7.4	57	ne.			1		0			0	0	clear	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.75	755.6	29.90	759.4	51.6	10.9	54	sw.	4.0	1.8			1 k			0	0		M. Cartier, Director.
German.																			
Ansbach	28.44	722.4	29.93	760.2	39.2	4.0	70	nw.			2		9	nw.		0.075	1.9		Prof. Jnedt.
Bamberg	29.04	737.7	29.88	759 0	37.6	3.1	73	nw.			2		8 ks		nw.	0.024	0.6		Prof. Dr. Hoh.
Berlin	29.84	757.9	29.99	761.8	30.9	— 0.6	70	ne.			2		10			0	0		Meteorological Institute
Breslau	29.43	747.5	29.90	760 9	38.7	3.7	64	s.			4		10			0.079	2.0		Royal University Obs'y
Carlsruhe	29.48	748.7	29.95	760 6	41.4	5.2	78	calm			0		10	n.		0.020	0.5		Albert Senz.
Cassel	29.21	742 0	29.93	760 1	36.0	2.2	82	n.			1		10			0	0		Dr. H. Möal.
Frankfort-on-the-Main	29.56	750 7	29.93	760 2	42.6	5.9	72	nne.			1		10			0.004	0.1		Physical Society.
Friedrichshafen	28.44	722.4	29.89	759 1	42.1	5.6	62	nnw.			3		5	sw.		0.031	0.8		Wilhelm, Chief Tel.
Hamburg	29.96	760 9	30.05	763.2	31.3	— 0.4	85	ese.			3		10			0	0		E. Preiler.
Kiel	30.04	762 9	30.05	763.3	35.2	1.8	68	e.			2		8			inap.	inap.		Prof. Dr. G. Karsten.
Leipsic, Astrom'l Obs'y	29.56	750.7	29.99	761.8	33.4	0.8	68	ene.			2		9	ne.		0	0		H. Leppig, Asst.
Magdeburg	29.80	757.0	30.00	762 1	32.5	0.3	73	ene.			1		10					snowy	Weather Observatory.
Memel	30.20	767 0	30.24	768.2	33.1	0.6	77	se.			3		10						Issermann.
Munich	28.04	712.1	29.89	759 2	40.1	4.5	53	e.			2		6	n.		0.008	0.2		Central Station.
Neufahrwasser	30.10	764.4	30.11	764 8	29.7	— 1.3	96	se.			2		10			0.020	0.5	light snow	A. Lothes.
Neustadt, Palatinate	29.39	746.6	29.92	759 9	42.4	5.8	79	ne.			1		10			0	0		Prof. Dicknether.
Stuttgart	28.95	735 4	29.87	758 7	39.7	4.3	74	n.			1		10			0.008	0.2		Prof. Dr. Schoder.
Wustrow	30.01	762 3	30.04	762.9	34.2	1.2	62	e.			2		8 ks			0	0		Profs. Brandes & Reimar
Greek.																			
Athens	29.58	751.4	29.98	761.5	46.8	8.2		ne.			3.0	10	0			inap.	inap.		Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.83	757.8	29.88	759 1	74.5	23.6	73	wsw.	29.0	13.0			7			0	0	d. clouds	
Deesa	29.38	746 2	29.85	758 2	84.4	29.1	22	w.	15.0	6.7			0			0	0	blue sky	
Bombay	29.84	758.0	29.88	758 9	79.3	26.3	58	nw.	22.0	9.8			0			0	0	blue sky	
Poona, Yarrowda	27.98	710.6	29.80	756 9	87.5	30.8	16						0			0	0	blue sky	
Belgaum	27.30	693 4	29.78	756 3	87.5	30.8	11	ese.	3.0	1.3			1	w.	e.	0	0	d. clouds	
Lahore	29.13	739.9	29.89	759 1	72.6	22.6	31	calm	0	0			0			0	0	blue sky	
Roorkee	28.90	734.1	29.80	756.9	79.2	26 2	24	w.	4.0	1.8			0			0	0	blue sky	
Agra	29.25	742.9	29.81	757.1	85.2	29.6	20	calm	0	0			0			0	0	blue sky	
Nagpur	28.74	729.9	29.75	755.6	93.3	34.1	22	calm	0	0			4		w.	0	0	d. clouds	

STATIONS.	Barometer: Corrected for instrumental error and for temperature.		Barometer: Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind: Direction.	Wind: Velocity		Wind: Force.	Clouds: Amount and kind. Upper.	Clouds: Amount and kind. Lower.	Clouds: Direction. Upper.	Clouds: Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p.sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Jubbulpore	28.47	723.2	29.81	757.2	86.2	30.1	24	w.	4.0	1.8	.....	.....	6	nw	.....	0	0	d. clouds	
Lucknow	29.41	747.0	29.79	756.6	82.2	27.9	32	w.	1.0	0.4	.....	.....	0	.....	.....	0	0	blue sky	
Allahabad	29.48	748.7	29.79	756.6	85.8	29.9	30	nnw.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.58	751.4	29.77	756 1	86.6	30.3	24	nw.	5.6	2.5	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.80	706.1	29.78	756.5	82.5	28.1	23	n.	4.0	1.8	.....	.....	0	.....	.....	0	0	d. clouds	
Cuttack	29.72	754.8	29.80	756.9	86.1	31.2	57	sw.	5.0	2.2	.....	.....	2	.....	.....	0	0	blue sky	
Calcutta, Allpore	29.78	756.5	29 81	757.1	86.5	30.3	45	wsw.	0.5	0.2	.....	.....	0	.....	.....	0	0	blue sky	
Dhubri	29.65	753.0	29.76	756 0	80.6	27.0	36	calm	1.8	0.8	.....	.....	0	.....	.....	0	0	misty	
Chittagong	29.76	755.9	29.85	758.2	77.7	25.4	83	wsw.	4.6	2.1	.....	.....	0	.....	.....	0	0	blue sky	
Sibsagar	29.51	749 5	29.85	758.2	71.0	21.7	76	ne.	1.0	0.4	.....	.....	0	.....	.....	0	0	blue sky	
Jeypore	28.37	720.7	29.81	757.3	80.7	27.1	19	wnw.	10.6	4.7	.....	.....	0	.....	.....	0	0	d. clouds	
Zanzibar	29.81	757 3	29.84	757.8	84.9	29.4	66	sw.	5.0	2.2	.....	.....	1	.....	.....	0	0	blue sky	
Bellary	28 34	719.8	.....	.....	92.0	33.0	11	e.	2	0.9	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.57	751.1	.....	.....	94.2	34.6	23	ese.	0.2	0.1	.....	0	0	.....	.....	0	0	.....	
ITALIAN.																			
Udine	29.49	749.1	29.91	759.7	48.6	9.2	46	ne.	4.9	2.2	.....	.....	10	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.38	746.0	29.90	759.4	46.4	8.0	67	ne.	4.9	2.2	.....	.....	10	se.	.....	0.071	1.8	.....	Prof. G.V.Schiapparelli
Padua	29.76	756.0	29.88	758.9	47.7	8.7	53	ne.	6.9	3.1	.....	.....	10	se.	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.97	735.9	29.89	759.1	42.1	5.6	85	nw.	1.8	0.8	.....	.....	10	n.	.....	0.146	3.7	.....	Prof. F. F. Denza.
Genoa	29.64	752.8	29.83	757.7	48.6	9.2	71	ne.	3.8	1.7	.....	.....	10	ne.	.....	0.031	0.8	.....	Prof. G. M. Garibaldi.
Pesaro	29.81	757.2	29.86	758.5	47.6	8.8	83	ne.	8.7	3.9	.....	.....	10	.....	.....	0	0	.....	Prof. Luigi Gudi.
Florence	29.57	751.1	29.83	757.6	55.0	12.8	57	e.	.....	.....	2	.....	10	.....	.....	0.028	0.7	.....	Prof. Costantino Pittei.
Leghorn	29.71	754.5	29.79	756.7	49.8	9.9	85	e.	1.8	0.8	.....	.....	10	sw.	.....	0.319	8.1	.....	Prof. P. Monte.
Rome	29.63	752.7	29.81	757.2	59.4	15.2	39	sw.	2.5	1.1	.....	.....	9	.....	.....	0.087	2.2	.....	Prof. P. Tacchini.
Lecce	29.61	752.2	29.87	758 7	56 1	13.4	66	sse.	11.9	5.3	.....	.....	8	.....	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	28.94	735.0	29.84	757.9	49.3	9.6	74	sw.	2.5	1.1	.....	.....	10	ssw.	.....	0	0	.....	Prof. D. Conti.
Palermo	29.52	749.9	29.78	756.3	57.0	13.9	67	ne.	3.1	1.4	.....	.....	10	.....	.....	0.169	4.3	.....	Prof. G. Cacciatore
Syracuse	29.72	754.9	29.76	756.0	55.0	12.8	75	ese.	37.4	16.7	.....	.....	10	ese.	.....	0.787	20.0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.30	744.2	.....	.....	53.2	11.8	69	n.	1.3	0.6	.....	.....	10	.....	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	29.92	760.1	29.95	760.7	31.0	— 0.6	69	calm	.....	.....	0	.....	10 k	.....	sw.	0.594	15.1	cloudy	H. Hattori.
Awomori	29.98	761.5	30.02	762.5	28.4	— 2.0	95	sw.	3.7	1.7	.....	.....	10 s	.....	w.	0.058	1.5	overcast	K. Ogawa.
Hakodate	30.04	763 0	30.05	763.3	23.5	— 4.7	73	calm	0	0	.....	9 ck	0	nw.	.....	0	0	overcast	Y.Souma.
Hamamatsu	29.64	752.8	29.74	755.3	49.2	9.6	97	ene.	.....	.....	4	.....	10 n	.....	.....	1.725	43.8	raining	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	29.47	748.5	29.49	748.9	49.9	9.9	98	n.	4.3	1.9	.....	.....	10 n	.....	s.	1.354	34.4	raining	Y. Okamoto.
Kagoshima	29.67	753 7	29.69	754.0	53.9	12.2	87	nw.	.....	.....	2	.....	10 n	.....	nw.	1.375	34.9	light rain	
Kanazawa	29.58	751.3	29.69	754.0	40.0	4.4	92	e.	14.3	6.3	.....	.....	10n;ks	.....	e.	1.290	32.8	raining	S. Endo.
Kioto	29.48	748.8	29.65	753.2	49.0	9.4	94	nw.	0.2	0.1	.....	.....	10 n	.....	.....	1.208	30.7	light rain	M. Tojima.
Kochi	29.54	750.2	29.86	750.7	59.0	15.0	95	se.	15.3	6.8	.....	.....	10 n	.....	.....	2.050	52.1	raining	K. Kusunose.
Misaaka	29.52	749 8	29.55	750.5	60.2	15.7	82	w	.....	.....	4	.....	10 s	.....	w.	0.386	9.8	overcast	K. Masusak &T.Ishitain.
Miyako	29.94	760.4	30.05	763.2	33.9	1.1	69	ene.	2.9	1.2	.....	.....	10 s	.....	.....	0.783	19.9	cloudy	N.Honno & K.Suwa.
Nagasaki, I. M. Obs'y	29.50	749.3	29.71	754.6	49.5	9.7	80	nw.	12.6	5.6	.....	.....	9cs;s	.....	nw.	1.910	48.5	cloudy	
Nemuro	29.97	761.2	30.02	762.5	22.8	— 5.1	61	nw.	6.0	2.7	.....	.....	10 s	.....	nw.	0	0	cloudy	A. Shibuya.
Niigata	29.79	756.6	29.82	757.4	39.0	3.9	90	ne.	9.9	4.4	.....	.....	10 n	.....	ne.	0.50	12.8	light rain	Satoo & Tomikawa.
Nobiru	29.97	761.1	29.98	761.5	36.6	2.6	87	ene.	10.3	4.6	.....	.....	10 n	.....	.....	0.810	20.6	raining	Yoshino & Midzushina.
Numadzu	29.79	756.5	29.82	757.5	46.1	7.8	94	ene.	.....	.....	2	.....	10 n	.....	.....	2.595	65.9	raining	T.Ohgi.
Osaka	29.61	752.1	29.62	752 3	48.6	9.2	94	ne.	15.0	6.7	.....	.....	10 n	.....	.....	0.970	24.6	light rain	H. Omura.
Sakai	29.57	751.2	29.58	751.4	47.1	8.4	92	ne.	.....	.....	4	.....	10 n	.....	ese.	2.560	65.0	raining	Yamawchi & Sakamoto.
Sapporo	29.98	761.5	30.05	763.3	12.0	—11.1	85	calm	0	0	.....	0	5 s	.....	.....	0.045	1.1	clear	S. Kimura.
Shimonoseki	29.40	746.7	29.54	750.4	50.3	10.2	98	w	.....	.....	2	.....	10 n	.....	.....	0.937	23.8	raining	S. Sakano.
Tokei Obs'y, Yeddo	29.80	756.8	29.87	758.7	45.7	7.6	98	ssw.	4.4	2.0	.....	.....	10 n	.....	.....	1.390	35.3	rainy	The Staff.
Wakayama	29.52	749.9	29.57	751.2	59.4	15.2	82	s.	6.2	2.8	.....	.....	10 n	.....	s.	0.534	13.6	light rain	K.Sakai.
MAURITIUS.																			
Mauritius R.A.Observatory	29.77	756.1	29.95	760.7	82.2	27.9	74	ene.	10.0	4.5	.....	2ck;cs	5 k;n	sw.	ene.	0.16	4.1	fair	The Staff.
MEXICAN.																			
Leon	24.32	617.7	30.04	763.0	54.1	12.3	67	nnw.	0.9	0.4	.....	0	0	.....	.....	0	0	clear	M. Leal & M.Pina
Mazatlan	29.69	754.1	29.95	760.7	66.0	18.9	68	nw.	11.0	4.9	.....	0	0	.....	.....	0	0	foggy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.90	761.8	29.99	761.8	46.9	8.3	.....	wsw.	.....	.....	2	.....	.....	.....	.....	0.012	0.3	.....	
Groningen	29.93	760.2	29.98	761.6	39.4	4.1	.....	ne.	.....	.....	1	.....	.....	.....	.....	0.004	0.1	.....	
Helder	29.99	761.8	29.99	761.8	36.7	2.6	.....	ene.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	29.98	761 5	29.98	761 5	48.4	9.1	82	calm	.....	.....	0	.....	.....	.....	.....	0	0	.....	
Utrecht	29.96	760.9	30.00	762.1	37.0	2.8	90	w	.....	.....	1	.....	9	.....	.....	0	0	foggy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.80	756.9	.....	.....	77.0	25.0	92	ssw.	0	0	.....	.....	7	.....	.....	0.315	8.0	.....	Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.95	760.8	30.02	762.4	42.8	6.0	59	s.	16	7	.....	.....	4	.....	.....	0	0	.....	
Bronö	30.02	762.4	30.06	763.4	41.5	5.3	51	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Christiania	30.05	763 3	30.21	767.2	30.9	— 0.6	96	ese.	9	4	.....	.....	9	.....	.....	0.252	6.4	.....	
Gjesvær	29.87	758.8	29.90	759.4	38.1	3.4	.....	wnw.	.....	.....	7	.....	10	.....	.....	0.276	7.0	raining	
Lodingen	30.01	762 3	30.06	763.5	39.4	4.1	87	sw.	.....	.....	1	.....	1	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr.A.M.R.dos Santos.
Funchal, Madeira	30.11	764.7	30.19	766.9	64.0	17.8	66	sw.	3.1	1.4	.....	.....	7	n.	.....	0	0	.....	Capt. D. A. de Cunha
Lisbon, Observatory	29.63	752.7	29.97	761.3	53.8	12.1	72	n.	5.6	2.5	.....	.....	10	.....	.....	.....	.....	raining	The Staff.
Ponta Delgada, Azores	30.45	773.4	30.52	775.2	59.7	15.4	48	nne.	15.0	6.7	.....	.....	4	e.	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	
St. Vincent, Cape Verd Ids.	30.04	763.0	30.08	763.9	68.5	20.3	68	ne.	.....	.....	4	.....	3	.....	.....	0.094	2.4	.....	
San Salvador, Congo	27.97	710 4	29.78	756.5	80.8	27.1	67	sw.	.....	.....	3	.....	8	.....	.....	0	0	.....	
Serra da Estrella	25.09	637.4	29.92	759.9	36.9	2.7	62	wnw.	12.5	5.6	.....	.....	10	.....	.....	.....	.....	.....	
RUSSIAN.																			
Akmolinski	28.97	735.9	30.21	767.4	—12.6	—24.8	91	ne.	18	8	.....	0	0	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	29.97	761.2	29.99	761 7	21.6	— 5.8	93	sw.	18	8	.....	.....	10	.....	.....	0	0	.....	Capt. Sseliwerstow
Ashurada	30.20	767.1	30.11	764.7	51.4	10.8	68	wnw.	11	5	.....	.....	10 k	.....	.....	0	0	.....	
Astrakhan	30.47	773 8	30.39	771.8	35.4	1.9	28	nne.	7	3	.....	0	0	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.28	769.0	30.23	767.8	44.6	7.0	61	nne.	13	6	.....	0	0	.....	.....	0	0	.....	
Barnaul	29.73	755.2	30.31	769.8	— 9.8	—23.2	76	w.	9	4	.....	0	2	.....	.....	0	0	light clouds	Meteorological Office.
Bielosersk	29.87	758 7	30.36	771.1	34.2	1.2	32	wsw.	7	3	.....	0	0	.....	.....	0	0	.....	
Dorpat	30.13	765.2	30.39	771 8	25.3	— 3.7	62	ese.	7	3	.....	0	0	.....	.....	0	0	.....	Observatory.
Ekaterinburg	29.33	745.0	30.41	772.4	0.5	—17.5	71	se.	7	3	.....	5 c	0	.....	.....	0	0	light clouds	Meteorological Obs'y
Elisawetgrad	29.79	756.6	30.27	768 8	25.7	— 3.5	74	e.	7	3	.....	.....	10 s;n	.....	.....	0	0	.....	
Kasan	30.08	763.9	30.37	771.3	19.2	— 7.1	69	s.	2	1	.....	0	0	.....	.....	0	0	.....	Observatory.
Kem	30.01	762.3	30.06	763.6	31.1	— 0.5	79	w.	31	14	.....	.....	10	.....	.....	0	0	h'vy clouds	
Kertch	30.09	764.3	30.11	764.9	39.7	4.3	87	e.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
Kieff	29.59	751.5	30.27	768.9	21.2	— 6.0	74	ese.	7	3	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Sastyrea.
Koslov	29.92	759.9	30.47	773.8	19.0	— 7.2	53	nne.	2	1	.....	0	0	.....	.....	0	0	.....	Observatory.
Lgov	29.85	758.1	30.48	774.2	20.7	— 6.3	63	e.	18	8	.....	.....	0	.....	.....	0	0	.....	
Libau	30.21	767.4	30.24	768.0	32.2	0.1	64	e	9	4	.....	.....	10	.....	.....	0	0	.....	R.I.Ssawelljew, Engin'r.
Lugan	30.11	764.8	30.33	770.4	25.5	— 3.6	56	ene.	18	8	.....	.....	0	.....	.....	0	0	.....	L. Zunas.
Moscow	30.00	761.9	30.51	774.9	30.9	— 0.6	37	calm	0	0	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27.85	707 3	30.44	773.2	— 6.5	—21.4	68	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nikolaiev	30.13	765.2	30.20	767.0	28.9	— 1.7	88	e.	9	4	.....	.....	10 n	.....	.....	blank	blank	.....	Capt. Kurdakow.

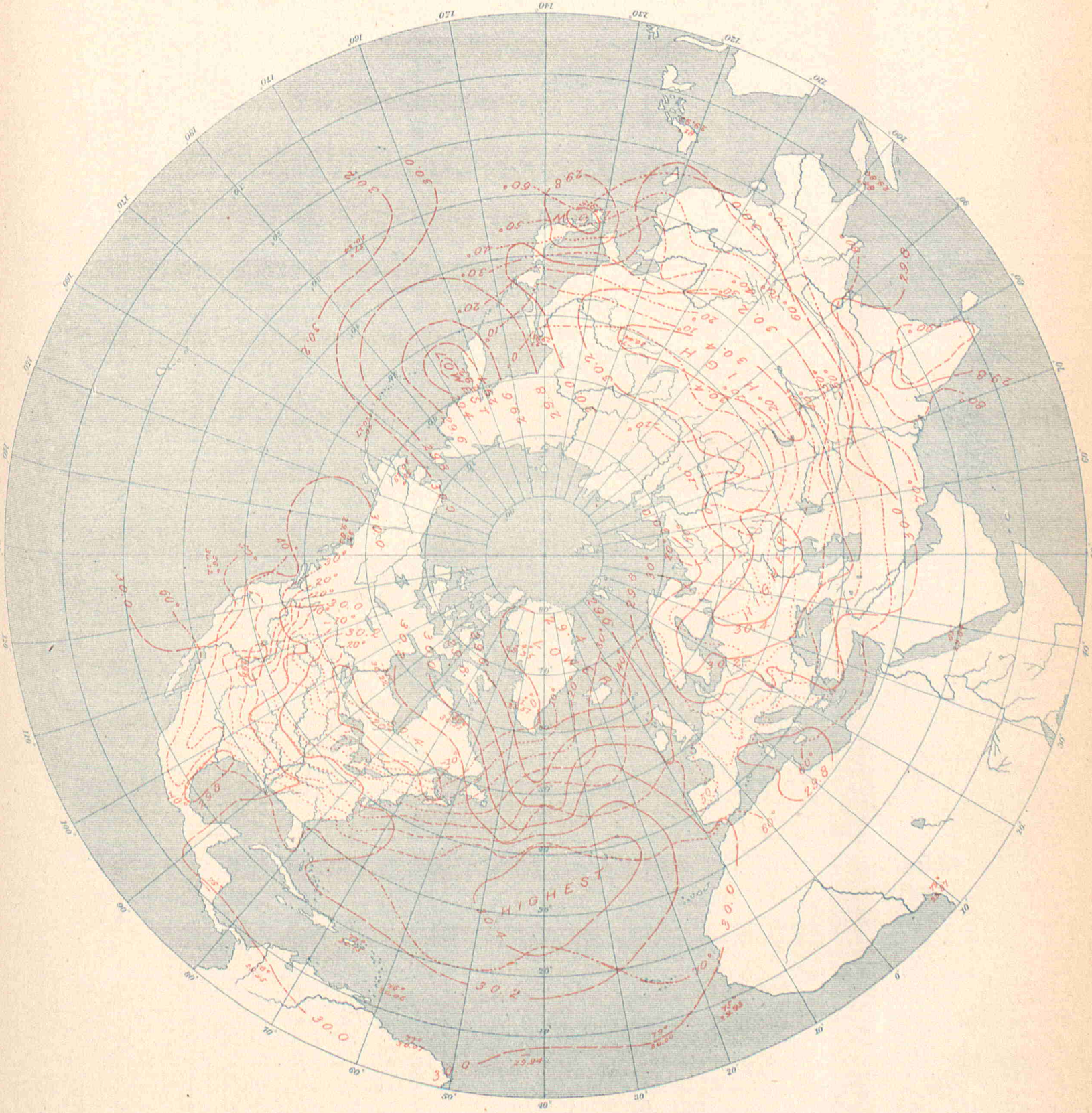
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.86	758.5	29.95	760.7	— 2.2	—19.0	47	wnw.	2	1	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.98	761.5	30.12	765.1	39.7	4.3	35	nw.	2	1	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.85	758.3	30.22	767.6	39.4	4.1	38	n.	1.1	0.5	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.07	763.7	30.27	768.9	31.8	— 0.1	43	w.	22	10	.....	0	0	.....	.....	0	0	.....	Dr. Beermann.
Pinsk	29.73	755.1	30.26	768.5	27.9	— 2.3	77	ese.	9	4	.....	.....	10 s	.....	.....	blank	blank	.....	
Poti	30.02	762.4	30.05	763.2	47.5	8.6	93	sw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.39	772.0	30.42	772.6	31.1	— 0.5	48	s.	7	3	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27 55	699.7	30.05	763.2	47.5	8.6	37	w.	7.8	3.5	.....	.....	9 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.56	750.7	30.30	769.6	— 4.2	—20.1	80	calm	0	0	.....	.....	10	.....	.....	0.024	0.6	.....	Major Lasarew
Sevastopol	29.87	758.6	30.09	764.2	39.4	4.1	82	ne.	4	2	.....	.....	10 n	.....	.....	0.004	0.1	.....	
Staroi Bykhov	29.78	756.4	30.37	771.4	29.7	— 1.3	38	e.	13	6	.....	0	1	.....	.....	0	0	light clouds	Carl Hagen.
Tashkend, Laboratory	28.43	722.1	30.19	766.8	31.6	— 0.2	99	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Terch, A. M
Tiflis	28.73	729 7	30.19	766.7	44.4	6.9	80	se.	4	2	.....	.....	10 n	.....	.....	0.039	1.0	raining	Physical Observatory.
Vernoe	27.81	706.4	30.47	774.0	27.1	— 2.7	68	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Larlono.
Viatka	29.50	749.4	30.17	766.3	25.5	— 3.6	58	wsw.	9	4	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	30.06	763.6	30.13	765.3	18.5	— 7.5	60	n.	22	10	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.66	753.4	30.10	764.6	33.4	0.8	66	sse.	18	8	.....	0	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.84	758.0	30.17	766.2	— 4.9	—20.5	74	calm	0	0	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.85	758.2	30.40	772.1	32.9	0.5	28	w.	1.8	0.8	.....	.....	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.72	755.0	29.84	757.8	53.2	11.8	65	sw.	.....	.....	.....	0	6 n	.....	.....	0.024	0.6	.....	B. Jelin.
Bilbao, Met. Obs'y	29.82	757.3	29.87	758.8	56.5	13.6	56	se.	1.6	0.7	.....	0	0	.....	.....	0	0	clear	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.91	683.4	29.93	760 1	44.6	7.0	57	w.	6.9	3.1	.....	.....	1	.....	.....	0	0	almost clear.	Domingo Martin.
Madrid, Royal Obs'y	27.65	702 3	29.87	758.8	55.6	13.1	51	w.	15.2	6.8	.....	0	5	.....	.....	0	0	clouds	The Staff.
Murcia, Met. Obs'y	29.74	755.4	29.88	758.9	59.4	15.2	71	ssw.	3.1	1.4	.....	3	3	e.	.....	0.008	0.2	misty	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.93	734.7	29.84	757.8	46.9	8.3	90	sw.	1.3	0.6	.....	.....	10	.....	.....	0.067	1.7	misty	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.05	763 2	30.12	764.0	71.0	21.7	92	ese.	4.7	2.1	.....	.....	.....	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.85	758.3	29.91	759.8	80.6	27.0	73	se.	5.5	2.5	.....	0	8	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.91	759.7	30.01	762.2	60.1	15.6	64	sw.	2.1	0.9	.....	3	2	sw.	sw.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.06	763 5	30.15	765.8	77.0	25.0	84	se.	11.2	5.0	.....	3 cs	4 kn	se.	se.	0.166	2.7	raining	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.13	765.4	30.17	766 4	27.0	— 2.8	92	sw.	.....	.....	2	.....	8	.....	.....	0	0	.....	
Umea	30.18	766.6	30.23	767.9	30.9	— 0.6	92	sw.	.....	.....	2	.....	3	.....	.....	0	0	.....	
Hernosand	30.19	766 8	30.24	768 1	31.6	— 0.2	70	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Stockholm	30.05	763.3	30.23	767 8	33.1	0.6	71	ese.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Wisby	30.11	764.7	30.17	766.2	32.7	0.4	78	sse.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Sub-series																			
Upsala	30.14	765.6	30.23	767.8	32.2	0.1	81	ne.	3.8	1.7	.....	.....	10	.....	se.	inap.	inap.	.....	H.H.Hildebrandesson
Turkish.																			
Constantinople	.....	.....	30.07	763.7	40.6	4.8	77	ene.	14	6.5	.....	.....	10	.....	ne.	0	0	.....	The Observatory.
Valona	.....	.....	29.96?	760.9?	58.3	14.6	.....	w.	.....	.....	2	.....	5	.....	.....	0	0	½covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.87	758.8	63.0	17.2	67	nw.	.....	.....	1	6 c;ck	0	w.	.....	0	0	.....	F. Nimr, B. A., Dir
United States.																			
Albany, New York	30.22	767 6	30.31	769.9	27.7	— 2.4	45	n.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.62	752 3	30.32	770.1	— 2.2	—19.0	75	nw.	3	1.3	.....	.....	10 s	.....	w.	inap.	inap.	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24 86	631.4	29.88	758.9	42.2	5.7	88	sw.	8	3.6	.....	.....	10 s	.....	.....	0.68	17.3	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	27.12	688.8	30.13	765.3	—22.6	—30.3	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.84	732.5	30.06	763.5	58.2	14.6	94	s.	6	2.7	.....	.....	10 s	.....	sw.	0.40	10.2	cloudy	S. W. Beall.
Atlantic City, New Jersey	30.15	765.8	30.16	766.1	34.0	1.1	78	n.	5	2.2	.....	10 k	0	n.	.....	0.01	0.3	cloudy	B.A.Blundon.
Augusta, Georgia	29.91	759.7	30.11	764.8	61.5	16.4	90	calm	0	0	.....	.....	10 s	.....	s.	0.57	14.5	cloudy	W.J.Evans.
Baltimore, Maryland	30.16	766.1	30.21	767.3	38.2	3.4	82	ne.	4	1.8	.....	.....	10s;fg	.....	.....	0.02	0.5	cloudy	Geo. W. Folger.
Barnegat City, New Jersey	30.17	766.3	30.19	766.8	36.0	2.2	94	ne.	12	5.4	.....	.....	10 ks;hz	.....	.....	.....	.....	cloudy	Capt. C. Pujazon, R. N
Bennett, Fort, Dakota	28 65	727 7	30.35	770.9	4.0	—15.6	85	nw.	3	1.3	.....	.....	10 n	.....	.....	0.10	2.5	light snow	A. Pritchard.
Benton, Fort, Montana	27.09	688.1	30.07	763.8	29.1	— 1.6	90	calm	0	0	.....	.....	10 s	.....	nw.	0	0	cloudy	C.S.Bennett.
Bismarck, Dakota	28.38	720.8	30.30	769.6	—11.6	—24.2	74	calm	0	0	.....	0	3 s	.....	w.	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	30.25	768 3	30.28	769.1	33.0	0.6	80	ne.	14	6.3	.....	.....	10 ks	.....	.....	0	0	cloudy	J. T. Elker.
Boise City, Idaho	26.99	685.5	29.91	759.7	34.5	1.4	71	nw.	2	0.9	.....	0	4 s	.....	sw.	0.09	2.3	fair	James Kenealy.
Boston, Massachusetts	30.14	765.5	30.30	769.6	29.0	— 1.7	82	ne.	9	4.0	.....	.....	10 s	.....	n.	inap.	inap.	cloudy	O. B. Cole.
Brownsville, Texas	29.69	754.1	29.75	755.6	68.0	20.0	93	s.	13	5.8	.....	0	5 s	.....	s.	0	0	fair	John McGlone.
Buffalo, New York	29.43	747.5	30.22	767.6	19.9	— 6.7	88	ne.	9	4.0	.....	.....	10 n	.....	.....	0.03	0.8	light snow	D.Cuthbertson.
Buford, Fort, Dakota	28.10	713.7	30.26	768.6	—17	—27.2	90	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.73	755.1	30.15	765.8	30.0	— 1.1	94	ne.	17	7.6	.....	.....	10 n	.....	ne.	0.01	0.3	light rain	W. H. Ray.
Canby, Fort, Washington Ter	29.78	756.4	29.98	761.5	33.8	1.0	63	se.	5	2.2	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	30.12	765.0	30.14	765.5	41.0	5.0	100	ne.	6	2.7	.....	.....	fg.	.....	.....	0.05	1.3	dense fog	A. K. Alderson.
Cape Mendocino, California	30.13	765.3	30.16	766.1	36.0	2.2	89	ne.	14	6.3	.....	.....	10s;fg	.....	n.	0	0	cloudy	W.E.Smith.
Cedar Keys, Florida	29.29	744.0	29.98	761.5	39.6	4.2	69	nw.	5	2.2	.....	0	5 s	.....	.....	0.10	2.5	fair	A. P. Leavitt.
Charleston, S. Carolina	30.11	764 8	30.13	765.3	64.0	17.8	100	se.	9	4.0	.....	.....	fg.	.....	.....	0.01	0.3	dense fog	G. W. Davis.
Charlotte, N. Carolina	30.04	763.0	30.10	764 5	60.3	15.7	95	calm	0	0	.....	2 cs	7 s	.....	sw.	0.19	4.8	cloudy	J. H. Smith.
Chattanooga, Tennessee	29.24	742.7	30.12	765.0	47.6	8.7	96	ne.	6	2.7	.....	.....	fg.	.....	.....	0.09	2.3	dense fog	D. O'Donoghue.
Cheyenne, Wyoming	29.16	740.7	30.01	762.2	50.0	13.3	96	e.	2	0.9	.....	0	8 ks	.....	sw.	0.30	7.6	cloudy	B. L. Goulding.
Chicago, Illinois	23.64	600 4	29.84	757.9	8.3	—13.2	81	se.	5	2.2	.....	.....	10 n	.....	.....	0.17	4.3	light snow	E. McGovern.
Chincoteague, Virginia	29.50	749.3	30.24	768.1	14.5	— 9.7	67	n.	9	4.0	.....	.....	10 s	.....	n.	inap.	inap.	cloudy	Wm. Norrington.
Cincinnati, Ohio	30.12	765.0	30.14	765.5	37.0	2.8	100	ne.	7	3.1	.....	.....	10ks;fg.	.....	.....	0.06	1.5	cloudy	C. F. Dickens
Cleveland, Ohio	29.46	748.3	30.15	765.8	33.0	0.6	92	ne.	5	2.2	.....	.....	10 s	.....	ne.	0	0	cloudy	L. Dunne.
Columbus, Ohio	29.42	747.3	30.20	767.1	23.0	— 5.0	88	ne.	6	2.7	.....	.....	10 s	.....	ne.	0.01	0.3	cloudy	W. Line.
Concho, Fort, Texas	29.24	742 7	30.13	765 3	28	— 2.2	70	n.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	F. T. Williams
Custer, Fort, Montana	28.00	711.2	29.97	761.2	37.0	2.8	92	ne.	6	2.7	.....	.....	10 s	.....	.....	inap.	inap.	threatening	C. E. King.
Davenport, Iowa	26.80	680.7	30.13	765 3	—10.5	—23.6	76	e.	2	0.9	.....	0	0	.....	.....	0.09	2.3	clear	W.J.Daily.
Davis, Fort, Texas	29.58	751.3	30.27	768.8	7.0	—13.9	69	ne.	6	2.7	.....	3 cs	hz.	.....	.....	inap.	inap.	clear	R. R. Martin.
Dayton, Washington Ty'y	24.77	629 1	29.64	752.8	51.3	10.7	80	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Williams.
Deadwood, Dakota	28.24	717.3	30.06	763.5	22.0	— 5.6	80	w.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	T. Gibson.
Delaware Breakwater, Del.	25.21	640 3	30.05	763.3	— 4.5	—20.3	88	calm	0	0	.....	.....	10 s	.....	.....	0.21	5.3	cloudy	G.W.Scott.
Denver, Colorado	30.16	766.1	30.18	766.6	35.4	1.9	95	ne.	16	7.2	.....	.....	10 s	.....	.....	0	0	cloudy	G.A.Martin.
Des Moines, Iowa	24 39	619.5	29.83	757.7	12.0	—11.1	72	nw.	4	1.8	.....	0	7 s	.....	w.	0.05	1.3	fair	F. M. Neal.
Detroit, Michigan	29.38	746.2	30.34	770.6	6.4	—14.2	62	ne.	0	2.7	.....	7 cs	0	w.	.....	inap.	inap.	fair	F. W. Conrad.
Dodge City, Kansas	29.50	749.3	30.25	768.3	23.2	— 4.9	73	n.	9	4.0	.....	.....	10 s	.....	n.	inap.	inap.	cloudy	N.B.Conger.
Dubuque, Iowa	27.44	697 0	30.17	766 3	13	—10.6	91	ne.	8	3.6	.....	.....	10 s	.....	.....	0.15	3.8	cloudy	J.E.Lanouette.
Duluth, Minnesota	29.59	751.6	30.34	770.6	5.7	—14.6	38	nw.	5	2.2	.....	0	2 s	.....	.....	0.13	3.3	clear	J. Harvey Smith
Eastport, Maine	29.62	752.3	30.40	772 1	— 6.8	—21.6	67	w.	2	0.9	.....	0	6 s	.....	w.	0	0	fair	E.R.Brace.
Elliott, Fort, Texas	30.30	769.6	30.37	771.4	18.0	— 7.8	74	ne.	12	5.4	.....	.....	10 s	.....	w.	0.03	0.8	cloudy	D. C. Murphy.
El Paso, Texas	27 18	690.4	30.01	762.2	17	— 8.3	76	ne.	15	6.7	.....	.....	10 s	.....	.....	0	0	cloudy	J. C. Ricki.
Erie, Pennsylvania	26.16	664.5	29.96	761.0	45.0	7.2	74	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	F. Belford.
Escanaba, Michigan	29.45	748 0	30.22	767.6	22.6	— 5.2	86	ne.	8	3.6	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	P. Wood.
Fort Smith, Arkansas	29.64	752.8	30.35	770.9	15.5	— 9.2	65	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	L.M.Pindell.
Galveston, Texas	29.58	751.3	30.07	763.8	35.3	1.8	89	e.	4	1.8	.....	.....	10 n	.....	.....	0.10	2.5	light rain	J. B. Campbell.
Grand Haven, Michigan	29.82	757.4	29.86	758.4	66.8	19.3	92	e.	6	2.7	.....	.....	10 s	.....	s.	0.06	1.5	cloudy	E. O'C. Macinerney
Grant, Fort, Arizona	29.58	751.3	30.28	769 1	13.0	—10.6	80	calm	0	0	.....	6 c;ck	0	nw.	.....	0.10	2.5	fair	Joseph E. Mueller.
Hatteras, North Carolina	25.15	638.8	29.98	761.5	43.8	6.6	84	nw.	12	5.4	.....	.....	10 s	.....	nw.	0.43	10.9	cloudy	Chas. A. Read.
	30.12	765.0	30.12	765.0	48.3	9.1	100	n.	2	0.9	.....	.....	10 u	.....	e.	0.35	8.9	heavy rain	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.69	652.5	30.01	762.2	– 7.0	–21.7	78	n.	4	1.8		0	0			0	0	clear	S. W. Morrison.
Huron, Dakota	28.88	733.5	30.36	771.1	4.5	–15.3	54	calm	0	0			10 n			inap.	inap.	light snow	S. W. Glenn.
Indianapolis, Indiana	29.31	744.5	30.15	765.8	25.5	– 3.6	72	e.	8	3.6			10 s		e.	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.78	756.4	29.80	756.9	66.2	19.0	99	se.	4	1.8			10 s			0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.08	764.0	30.13	765.3	65.3	18.5	92	sw.	7	3.1		4 cs	fg.	sw.		inap.	inap.	fair	J. W. Smith.
Keokuk, Iowa	29.59	751.6	30?28	769.1	8.0	–13.3	71	n.	5	2.2		0	0			c	0	clear	F. Z. Gosewisch.
Key West, Florida	30.11	764.8	30.13	765.3	73	22.8	94	e.	6	2.7		0	5 k		e.	0	0	fair	J. J. Lackey.
Kittyhawk, North Carolina	30.08	764.0	30.10	764.5	44.6	7.0	98	n.	11	4.9			fg.			0.92	23.4	dense fog	Wesley Blake.
Knoxville, Tennessee	28.98	736.1	30.04	763.0	50.9	10.5	100	ne.	4	1.8			10s;fg		sw.	0.14	3.6	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.51	749.5	30.33	770.4	– 1	–18.3	68	n.	3	1.3		0	0			inap.	inap.	clear	S. C. Emery.
Leavenworth, Kansas	29.29	744.0	30.23	767.8	14.4	– 9.8	74	n.	9	4.0			10 s			0	0	cloudy	C. Dill.
Lewiston, Idaho	29.21	741.9	30.07	763.8	30.0	– 1.1	68	w.	1	0.4			10 s			0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.70	754.4	30.03	762.7	34.0	1.1	88	ne.	12	5.4			10 n			0.05	1.3	light sleet	W. U. Simons.
Los Angeles, California	29.66	753.4	30.06	763.5	54.7	12.6	95	sw.	2	0.9			10 s		sw.	0.81	20.6	cloudy	T. S. Collins
Louisville, Kentucky	29.51	749.5	30.10	764.5	32.0	0.0	86	n.	7	3.1			10s;fg			inap.	inap.	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.43	747.5	30.15	765.8	41.5	5.3	78	ne.	3	1.3			10 s		ne.	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.65	753.1	30.35	770.9	– 4.5	–20.3	62	calm	0	0		0	5 s			0	0	fair	D. B. Notson.
Macon, Fort, North Carolina	30.11	764.8	30.12	765.0	56.0	13.3	100	w.	1	0.4			10 n			0.40	10.2	light rain	William Daly.
Maginnis, Fort, Montana	25.24	641.1	29.84	757.9	–12.8	–24.9	50	w.	4	1.8		0	0			0	0	clear	F. Burke.
Marquette, Michigan	29.60	751.8	30.37	771.4	– 9	–22.8	55	w.	9	4.0		0	0			0	0	clear	J. Gilligan.
Memphis, Tennessee	29.68	753.9	30.04	763.0	34.5	1.4	94	n.	4	1.8			10 n			0.16	4.1	light rain	D. T. Flannery
Milwaukee, Wisconsin	29.51	749.5	30.30	769.6	2.7	–16.3	77	n.	9	4.0		5 cs	0	n.		0.17	4.3	fair	S. W. Rhode.
Mobile, Alabama	29.96	761.0	30.00	762.0	65.2	18.4	93	sw.	4	1.8			10 s;fg		sw.	0.09	2.3	cloudy	H. U. Jones.
Montgomery, Alabama	29.80	756.9	30.04	763.0	65	18.3	93	se.	4	1.8			10n;fg		sw.	0.02	0.5	light rain	S. M. Leitzell.
Moorhead, Minnesota	29.29	744 0	30.37	771.4	–18.4	–28.0	100	s.	4	1.8		0	0			0	0	clear	H. Bessant.
Mt. Washington, N. H	23.64	600.4	30.16	766.1	5.4	–14.8	100	sw.	40	17.9			10n;fg		sw.	0.05	1.3	light snow	J. H. Melton.
Nashville, Tennessee	29.45	748.0	30.05	763.3	35.4	1.9	96	n.	7	3.1			10n;fg		n.	0.09	2.3	light rain	L. N. Jesunofsky.
New Haven, Connecticut	30.14	765.5	30.26	768.6	25	– 3.9	67	ne.	11	4.9			10 s			0	0	cloudy	J. H. Sherman.
New London, Connecticut	30.21	767 3	30.26	768.6	41.0	– 0.6	88	nw.	4	1.8			10 s		nw.	0	0	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.90	759.4	29.96	761.0	68.0	20.0	93	s.	5	2.2			10 s		s.	0.01	0.3	cloudy	M. Herman.
New York, New York	30.06	763.5	30.24	768.1	30.0	– 1.1	72	ne.	18	8.0			10s;fg			0	0	cloudy	W. Finn.
Norfolk, Virginia	30.10	764.5	30.13	765.3	42.0	5.6	91	calm	0	0			fg.			0.12	3.0	dense fog	Wm. Davis.
North Platte, Nebraska	27.12	688.8	30.18	766.6	6.6	–14.1	93	ne.	4	1.8			10 n			0.04	1.0	light snow	E. F. Brady.
Olympia, Washington T'y	29.9:	759.7	29.95	760.7	30.0	– 1.1	88	calm	0	0		8 ck	0			0	0	cloudy	J. Bascom.
Omaha, Nebraska	29.09	738 9	30.34	770.6	7.0	–13.9	73	ne.	8	3.6		0	0			0	0	clear	A. Pollak
Oswego, New York	29.95	760.7	30.29	769.4	21.0	– 6.1	76	e.	5	2.2			10 n			0.07	1.8	light snow	J. G. Linsley.
Palestine, Texas	29.36	745.7	29.93	760.2	49.5	9.7	100	ne.	12	5.4			10 n			0.27	6.9	light rain	P. T. Jenkins.
Pensacola, Florida	29.98	761.5	30.02	762.5	66.0	18.9	99	s.	6	2.7			10 s		s.	0.06	1.5	cloudy	M. McGauran.
Philadelphia, Pa	30.12	765.0	30.22	767.6	36.5	2.5	89	ne.	4	1.8			10 s			0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.30	439.4	29.90	759.4	5.0	–15.0	83	w.	20	8.9			10 s		w	inap.	inap.	cloudy	H. Hall.
Pittsburg, Pennsylvania	29.27	743.4	30.12	765.0	30.8	– 0.7	83	w.	6	2.7			10 n		w.	inap.	inap.	light rain	O. D. Stewart
Port Huron, Michigan	29.52	749.8	30.24	768.1	16.8	– 8.4	90	ne.	6	2.7			10 n			0.11	2.8	light snow	M. H. Perry
Portland, Maine	30.30	769.6	30.35	770.9	24.7	– 4.1	70	ne.	11	4.9			10 s		ne.	inap.	inap.	cloudy	W. W. Eichelberger.
Portland, Oregon	29.89	759.2	29.96	761.0	34.6	1.4	92	e.	6	2.7			10 s			0	0	cloudy	M. L. Hearn.
Prescott, Arizona	24.61	625.1	29.95	760.7	39.2	4.0	82	sw.	23	10.3		0	2 s		sw.	0 42	10.7	clear	N. D. Lane.
Provincetown, Mass.	30.23	767.8	30.26	768.6	34.1	1.2	83	e.	9	4.0		10 cs	0			inap.	inap.	cloudy	C. N. Kitchel.
Red Bluff, California	29.61	752.1	29.98	761.5	45	7.2	80	s.	13	5.8		0	0			0.32	8.1	clear	J. R. Williams.
Rio Grande City, Texas	29.56	750.8	29.80	756.9	69.0	20.6	91	se.	4	1.8		0	0			0	0	clear	L. G. Schultz.
Rochester, N. Y	29.56	750.8	30.26	768.6	20	– 6.7	84	e.	9	4.0			10 n			0.07	1.8	light snow	E. W. McGann.
Roseburg, Oregon	29.36	745.7	29.92	760.0	37.6	3.1	85	calm	0	0			10 n		sw.	0.11	2.8	light rain	J. J. Nury.
Sacramento, California	29.96	761 0	30.04	763.0	49.5	9.7	89	s.	5	2.2			10 s			0.43	10.9.	cloudy	J. A. Barwick.
St. Louis, Missouri	29.56	750.8	30.21	767.3	20.0	– 6.7	84	n.	14	6 3			10 s		n.	inap.	inap.	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	30.16	766.1	30.19	766.8	32.5	0.3	100	s.	4	1.8			10 n			inap.	inap.	light snow	Fred. H. Clarke.
St. Paul, Minnesota	29.48	748.8	30.39	771.9	3.5	–15.8	32	nw.	3	1.3		6 cs	3 s	w.		0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.42	747.3	30.36	771.1	–20	–28.9	72	nw.	3	1.3		0	0			0	0	clear	C. B Dilley.
Salt Lake City, Utah	25 27	641.8	29.79	756.7	41.3	5.2	70	ne.	3	1.3			10 s			0.49	12.4	threatening	J. Craig.
San Diego, California	29.99	761.7	30.06	763.5	56.2	13.4	86	w.	8	3.6		0	3 k		w.	0.62	15.7	clear	S. R. Day.
Sandusky, Ohio	29.48	748.8	30.20	767.1	26.5	– 3.1	82	ne.	10	4.5			10 n			0.04	1.0	light snow	B. F. Hough.
Sandy Hook, New Jersey	30.22	767.6	30.25	768.3	33.0	0.6	68	e.	8	3.6			10 s			0	0	cloudy	V. P. Chappel.
Sanford, Florida	30.08	764.0	30.13	765 3	67.0	19.4	92	s.	2	0.9			fg.			inap.	inap.	dense fog	J. B. Marbury
San Francisco, California	29.95	760.7	30.02	762 5	52.2	11.2	92	se.	3	1.3			10n;fg		sw.	0.16	4.1	light rain	N. Gorom.
Savannah, Georgia	30.01	762.2	30.10	764.5	64.5	18.1	84	s.	2	0.9		3 ck	7ks;fg	w.	sw.	0.01	0.3	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.21	665.7	30.01	762.2	– 2.2	–19.0	85	sw.	2	0.9		0	0			0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.66	753.4	29.84	757.9	45.2	7.3	95	ne.	7	3.1			10 n		ne.	0.06	1.5	light rain	E. N. Meekins.
Sitka, Alaska	29.76	755.9	29.83	757.7	35	1.7	89	calm	0	0			10 ks			0.03	0.8	cloudy	F. W. Fickett.
Smithville North Carolina	30.05	763.3	30.09	764.3	57.6	14.2	98	s.	5	2.2			10 s			0.11	2.8	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.88	708.1	30.01	762.2	16.8	– 8.4	76	nw.	1	0.4		0	0			0	0	clear	D. Moore.
Springfield, Illinois	29.51	749.5	30.23	767.8	18.9	– 7.3	74	ne.	14	6.3			10 s		n.	0	0	cloudy	T. B. Jennings.
Stockton, Fort, Texas	26.85	682 0	29.93	760.2	45.0	7.2	71	calm	0	0		0	0			0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.90	759 4	30.00	762.0	35.1	1.7	68	e.	12	5.4		0	0			0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.20	690.9	29.98	761.5	48.2	9.0	98	calm			0		10 n		w.	0.63	16.0	light rain	R. C. Lord.
Toledo, Ohio	29.49	749 0	30.22	767.6	23	– 5.0	88	n.	6	2.7			10 s		n.	0.01	0.3	cloudy	A. Buell.
Unalashka, Alaska	30.15	765.8	30.17	766.3	40	4.4	82	s.	4	1.8			9 s		s.	0	0	cloudy	Samuel Applegate.
Vicksburg, Mississippi	29.67	753.6	29.93	760.2	54	12.2	93	n.	4	1.8			fg.			0.23	5.8	dense fog	F. W. Mixer.
Washington, D. C	30.08	764.0	30.20	767.1	34.1	1.2	91	ne.	2	0.9			10s;fg			0.02	0.5	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.79	655.1	29.86	758.4	16	– 8.9	86	se.	14	6.3			10 s		se.	0	0	cloudy	F. H. Brandenburg.
Wilmington, N Carolina	30.02	762.5	30.08	764.0	61.5	16.4	93	nw.	2	0.9			10 n		w.	0.08	2.0	light rain	L. H. Albrecht.
Yankton, Dakota	28.98	736.1	30.37	771.4	5.6	–14.7	51	ne.	6	2.7			10 s			0.14	3.6	cloudy	E. H. Thompson.
Yuma, Arizona	29.83	757.7	29.98	761.5	57.4	14.1	68	sw	1	0.4		0	0			inap.	inap.	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	28.95	735.3	28.97	735.8	33.5	0.8	96	sw.	12	5.4			10 n			0.08	2.0	sleeting	George Cheruick.
Bluefields, Nicaragua, C. A					79	26.1		nw.			2	0	6 k		ne.	0	0	fair	W. H. Jackson.
bogota, U. S. C	21.98	558.2			56.3	13.5	93	n.	2	1			10 k		nw.	0	0		Joaquin Gomez.
Chimo, Fort, Ungava	29.95	760 7	30.11	764.8	–30	–34.4	100	sw.	31	13.9		10 cs	0	sw.		0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I			30.11	764.8	69.3	20.7	82	n.	1	0.4		0	0			0	0	clear	Robert Johnstone.
Paramaribo, S. A	30.07	763.8	30.07	763.8	77	25.0	91	ne.			3		10 n		e.	0.600	15.2	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.39	746.5	29.95	760.7	78	25.6	89	n			1		10 ks		n.	0	0	cloudy	Francisco J. Olsnerca.
Rivas, Nicaragua, C. A					75	23.9	80	ne.			3					0	0	clear	Earl Flint.
York Factory, B. A	30.14	765.5	30.22	767.6	–31.0	–35.0		nw.	10	4.5		0	0			0	0	clear	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.98	761.4	29.98	761.6	76.3	24.6	88	n.	11.2	5.0			8 k		n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	29.93	760.1	29.99	761.8	73.4	23.0	86	nw			4		1 s		n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill	Character.	Direction from	
District No. 1—North Atlantic.																		
S. S. Arizona, N. 41° 20′, W. 51° 27′	30.31	769.9	53	11.7		nnw.			3		10			8 h'r	8 h'r	high	wsw.	raining.
S. S. Alpin, Ponce, ort Rico, W. I.			78	25.6		ese.			2		1		e.	0	0	sm'h	e.	clear.
S. S. Adriatic, N. 47° 45′, W. 28° 24′						w.			4				s.			high	nw.	gloomy.
S. Armenia, N. 44° 35′, W. 44° 30′ *	29.94	760.5	52	11.1	86	w.			7		10			6 h'r	6 h'r	r'gh	sw.	overcast.
S. S. Antonio Lopez, N 24° 16′, W. 45° 24′	30.39	771.9	65	18.3	84	ene.			5		5			0	0	r'gh.	ene.	fair.
S. S. America, N. 43° —′, W. 42° —′ *	30.22	767.6	58	14.4	94	w.			6		10		w.	6 h'r	6 h'r	rg'h	wsw.	overcast.
S. S. Athos, N. 15° 30′, W. 76° 00′						ese.			5		0			0	0	mod.		clear.
S. S. Belgenland, N. 40° 15′, W. 68° 57′			43	6.1	100	ne.			4				n.			sm'h		overcast.
S. S. Britannic, N. 42° 10′, W. 49° 00′			31	— 0.6		wnw.			3	4			nw.	0	0	long	nw.	d. clouds.
S. S. City of Augusta, Savannah, Ga †	30.03	762.7				wsw.			3	6			w.	0	0			clear.
S. S. Caracas, Curacoa, W. I *†	30.10	764.5	78.5	25.8	80	e.			5	2			e.	light	light	sm'h		clear.
S. Dora, N. 39° 57′, W. 55° 28′ *†	30.26	768.6	62.1	16.7		nnw.			3	10			nnw.	6 h'r	6 h'r	h'vy	wsw.	heavy rain.
S. S. Donau, N. 48° 18′, W. 30° 58′	30.14	765.5				sw.			6	10			sw.	5 h'r	5 h'r	r'gh	var.	raining.
S. S. France, N. 40° 49′, W. 61° 56′						ene.			2	9			e.	0	0	sm'h	ne.	cloudy.
Bk. Fred W. Carlon, N. 25° 45′, W. 85° 12′†	30.11	764.8				se.			5	4			se.	0	0	mod.	se.	fair.
S. S. Gallia, N. 44° 14′, W. 42° 33′	30.09	764.3	57	13.9		wsw.			7	10						high	w.	raining.
S. S. Gellert, N. 42° 12′, W. 48° 08′	30.15	765.8	43	6.1	100	s.			6	10			s.	2 h'r	2 h'r		w.	foggy.
Bk. Godeffroy, N. 29° 38′, W. 67° 46′	30.30	769 6	70.5	21.4	91	se.			3	ck	7 k	nw.	se.	0	0	mod.	var.	fair.
S S George ... homas, N. 5° 46′, W. 41° 41′*†	29.94	760.5				ne.			5		5	nw.	ne.	0	0	r'gh	ne.	fair.
Bg. L. F. Munson, Matanzas, Cuba, W.I*†	30.16	766.1	76	24.4		s.			2		10		s.	0	0			cloudy.
Bg. Lilian, N. 26° 00′, W. 70° 12′†	30.27	768.8	73	22.8		ese.			4		4		se.	0	0	mod	ese.	fair.
S. S. Main, N. 41° 31′ W. 62° 10′	30.29	769.4	41.0	5 0		nne.			3		9		e.	4 h'r	4 h'r	mod.	nne.	covered.
S. S Nurnberg, N 45° 35′, W. 40° 28′			55.4	13.0		sw.			8		10		sw.	13 h'r	13 h'r	h'vy	sw.	hailing.
S. S. New York, N 36° 07′, W. 74° 30′*†	30.14	765.5	55?	12.8?		wnw.			3		8		ne.			mod.		cloudy.
S. S. Nessmore, St George's channel			48	8.9	85	se.			5		2		se.	10 h'r	10 h'r	sm'h	sw.	gloomy.
Schr. Norena, N. 24° 19′, W. 69° 18′						e.			4		2		ese.	2 h'r	2 h'r	mod.	n;e.	squally.
S. S. Orinoco, N. 38° 28′, W. 71° 32′ †	30.13	765.3	44	6.7		ene.			4		10		ene.	½h'r	½h'r	long	ssw.	
Bk. Orpheus, N. 44° 19′, W. 41° 10′ *	30.02	762.5	60	15.6		ssw.			7		10 k			6 h'r	6 h'r	sm'h		cloudy.
S. S. Pennsylvania, N. 39° 19′, W. 59° 28′ †	30.29	769.4	55	12.8	100	nne.			4		4		nne.	7 h'r	7 h'r	h'vy	sw.	clear.
S. S. Rhaetia, N. 49° 57′, W. 4° 03′	29.89	759.1	50	10.0	93	ssw.			4		5		s.	2 h'r	2 h'r	sm'h	sw.	fair.
Bg. Rising Sun, N. 28° 11′, W. 73° 06′ *†	30.23	767.8	75	23.9		se.			3		1		se.	0	0	large	ese.	clear.
S. S. State of Georgia, N. 40° 19′, W. 69° 55′			41	5.0		e.			4		10		w.	0	0	sli't.	s.	cloudy.
S. S. Salerno, Hull, Eng †	29.91	759.7	40	4.4		ssw.			3		5		sw.	0	0			fair.
S. S. Salier, N. 45° 29′, W. 40° 32′	29.99	761.7				sw.			4–5		10		sw.	6 h'r	6 h'r	cross	sw.	raining.
S. S. Switzerland, N. 51° 07′, E. 1° 23′*†	29.97	761.2				e.			1		10		e.	0	0	sm'h		cloudy.
S. S. Silesia, N. 49° 49′, W. 11° 45′	29.89	759.2	48	8.9	92	w.			5		5		wsw.	3 h'r	3 h'r	cross	w.	fair.
S. St. David, N. 49° 23′, W. 19° 10′			52?	11.1?	75	nw.			7		5		n;nw.	6 h'r	6 h'r	hv'y	wnw.	hail squalls.
S. S. The Queen, N. 41° 58′, W. 53° 51′	30.27	768.8	44	6.7		nnw.			5		10		n.	4 h'r	4 h'r	long	wsw.	dull.
Bk. Tuck Sing, N. 19° 45′, W. 75° 09′ *†	30.10	764.5				ene.			2		0			0	0	sm'h		clear.
S. S. Venetian, N. 48° 36′, W. 30° 27′*	30.22	767.6	52	11.1		wsw.			3		10		sw.	5 h'r	5 h'r	r'gh		raining.
S. S. Westernland, Antwerp, Belgium	29.98	761.5	46	7.8	84	nw.			1		5		sw.	0	0			fair.
S. S. W. A. Scholten, N. 47° 54′, W. 25° 33′	30.19	766.8	45.5	7.5	65	nw.			6		8		w.	12 h'r	12 h'r	8	w.	squally.
S. S. Weser, N. 40° 32′, W. 67° 01′	30.29	769.4	42.8	6.0		ene.			4		10			3 h'r	3 h'r	mod.		cloudy.
S. S. Zeeland, N. 49° 42′, W. 9° 19′ *†	29.77	756.1	50	10.0		nnw.			4		5		n.	4 h'r	4 h'r	long	w.	fair.
S. S. Australia, N. 41° 10′, W. 41° 56′†	30.42	772.7	62	16.7		ssw.			6		10		sw.	3 h'r	3 h'r	h'vy	sw.	threatening
S. S. Cienfuegos, N. 38° 02′, W. 74° 12′	30.12	765.0				ene.			6		8		ene.	2 h'r	2 h'r	small	ene.	cloudy.
Bk. George Davis, N. 50° 12′, W. 1° 25′*†	29.97	761.2				sse.			1				s.			sm'h	wsw.	fair.
Schr Adda Doane, N. 36° 30′, W. 72° 25′†	30.14	765.5				wnw.			1		8		sw.	2 h'r	2 h'r	short	sw.	cloudy
S. S. Chalmette, New York, N. Y *†	30.24	768.1	30	— 1.1		nne.			3		7		nne.	0	0			fair.
S. S. Erin, N. 49° 10′, W. 180 30′ †	30.07	763.8	45	7.2		n.			5		4		n	4 h'r	4 h'r	long	nw.	fine.
S. S. Grecian, N. 42° 17′, W. 64° 56′	30.34	770.6	37	2.8	81	ese.			2		4		ese.	0	0	light	se.	clear.
Schr. James Slater, N. 24° 46′, W. 46° 09′			73	22.8		ene.			5		5		ese.	1 h'r	1 h'r	long	h'vy	squally.
Bg. John Wesley, N. 36° 31′, W. 72° 37′*†	30.11	764.8				ne.			2		9		wsw.	3 h'r	3 h'r	mod.	ssw.	fair.
S. S. Lone Star, N. 36° 10′, W. 75° 05′ *†	30.05	763.3	45	7.2		w.			1		10			4 h'r	4 h'r	mod.	s.	foggy.
S. S. Lessing, N. 40° 07′, W. 69° 36′			42	5.6		e.			3		8		ene.	0	0	mod	sse.	overcast.
S. S. Ohio, (Am) Philadelphia, Pa †	30.22	767.6	34.5	1.4	100	nw.			1		10			0	0			overcast.
S. S. St. Laurent, N. 46° 40′, W. 39° 55′	29.92	760.0	55.4	13.		sw.			9		10		sw.			large	sw.w	covered.
Schr. Viola Reppard, N. 42° 02′, W. 69° 22′†	30.33	770.4	38	3 3		se.			2		6		se.	0	0	small	se.	fair.
Bk. Western Chief, N. 45° 13′, W. 29° 17 *†	30.25	768.3				nw.			5	6 ck?		nw.				6	nw.	clear.?
S. S. Werra, N. 49° 50′, W 8° 40′*	29.84	757.8	66.2	19.0		w.			2–3		fg.		wnw.	0	0	sm'h	w.	covered.
U. S. Navy Yard, Portsmouth, N. H			24	— 4.4	74	ne.	9	4.0			10		ene.	0	0			cloudy.
U. S. S. Galena, N. 30° 17′, W. 79° 16′ *	30.06	763.5	74	23.3	76	ssw.			2		8		s;w.			sm'h		fair.
U. S. S. New Hampshire, Newport, R. I.	30.27	768.8	35	1.7		nne.			1		10		calm			sm'h		cloudy.
U. S. S. Powhatan, Port Royal, S. C	30.09	764.3	60	15.6	100	sw.			1		10		sw.					cloudy.
U. S. S. Quinnebaug, Leghorn, Italy	29.80	756.9	52	11.1	79	calm			0		10		sw.			sm'h		raining.
U. S. S. Saratoga, New York, N. Y	30.25	768.3	32	0.0	79	ene.			2		10		ne.	0	0	sm'h		overcast
U. S. S. Tennessee, N. 20° 59′, W. 94° 58′	29.80	756.9	75	23.9	90	ese.	24	10.7			0			0	0	mod.	se.	clear.
U. S. S. Yantic, Port Royal, S. C	30.11	764.8	62	16.7	88	calm			0		10							cloudy.
H. M. S. Alexandra, N. 31° 34′, E. 29° 56′			65	18.3	73	e.			3		3	e.				1	ese.	d. clouds.
H. M. S. Alecto, N. 4° 02, E. 9° 40′	29.87	758.7	79	26.1		nne.			2		3							d. clouds.
H. M. S. Boadicea, Fernando Po, W. Africa	29.90	759.4	81	27.2	91	var.			2–4		5							squally.
H. M. Dockyard, Bermuda, Atlantic	30.32	770.1	65.5	18.6	78	s.			4		5	wsw.						d. clouds.
H. M. S. Himalaya, N. 36° 25′, W. 24° 52′	30.45	773.4	62	16.7	77	nne.			3		8					1	wsw.	d. clouds.
H. M. S. Minotaur, Suda Bay, Mediterranean	29.90	759.4	55	12.8	81	ne.			3		10							misty.
H. M. S Myrmidon, N. 37° 09′, E. 7° 22′	29.83	757.7	59	15.0	82	e.			3		8					3	ene.	raining.
H. P. M. S. Bengo, N. 7° 45′, W. 17° 44′	29.93	760.2	75.2	24.0	83	nnw.			4		7		se.	0	0			d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.91	759.6	76.9	24.9	84	ssw.			4		10			5 h'r	5 h'r	5	se.	raining.
S. S. British Prince, N. 40° 03′, W. 52° 46′			64	17.8	83	sw.			6		10		wsw.	3 h'r	3 h'r	h'vy	w.	misty.
S. S. Circassian, N. 43° 08′, W. 64° 43′	30.28	769.1	32	0.0	100	e.			4		10		e.			3	cf'd	overcast.
S. S. Scandinavian, Portland, Me	30.33	770.4	28	— 2.2		n			2		10			light	light			snowing
S. S. Sardinian, N. 47° 26′, W. 36° 14′	29.79	756.7	49	9.4		ssw.			7		10		sw.	4 h'r	4 h'r	h'vy	ssw.	overcast.
S. S. Dorian, N. 45° 12′, W. 8° 55′			51	10.6		nnw.			5		6		n.	12 h'r	12 h'r	mod.	nnw.	cloudy.
S. S. Furnessia, N. 45° 56′, W. 41° 16′ *†	29.98	761.5	58	14.4		wnw.			6		10		wnw.			sm'h	nw.	rain squalls
S. S. Galatia, N. 36° 50′, E. 18° 28′*†	29.96	758.4	57	13.9		e.			6		10		ese	4 h'r	4 h'r	r'gh	ese.	misty.
S. S. Wyoming, N. 46° 08′, W. 39° 05′	29.90	759.4	54	12.2		sw.			8		8		sw.	6 h'r	6 h'r	h'vy	wsw.	drizzling.
S. S. Bohemia, N. 40° 38′, W. 58° 02′						ene.			5–6		9		ne.	4 h'r	4 h'r	long	ne.	cloudy.
S. S. Westphalia, New York, N. Y			30	— 1.1		nne.			3		10			0	0	sm'h		covered.
S. S. Virginian, N. 49° 59′, W. 22° 00′			42	5.6		w.			8				w.	4 h'r	4 h'r	h'vy	w.	showery.
S. S. Archimedes, (Br.) St Vincent, Cape Verd Ids	30.05	763.3				ne.			6		5		ne.	0	0	sm'h		fine.
S. S. Teniers, N. 6° 56′, W. 27° 04′	30.00	762.0	78.5	25.8	74	nne.			6	ck	8 k	nne.		0	0	3	nne.	d. clouds.
S. S. Archimede, (It.) N. 37° 09′, W. 68° 34′†	30.19	766.8	70?	21.1?		nne.			3		6		ne.	6 h'r	6 h'r	mod.	wsw.	cloudy.
S. S. Picqua, Lisbon, Portugal †	29.90	759.4	55	12.8	100	var.			2					0	0			overcast.
S. S. City of Merida, N. 37° 55,′ W. 74° —′						e.			2		10		sw.	0	0	h'vy	se.	cloudy.
S. S. Helvetia, N. 40° 28′, W. 70° 17′			41	5.0		e.			1		1?		e.	0	0	sm'h		overcast.?
S. S. Italy, N. 45° 49′, W. 40° 52′			55	12.8	97	wsw.			7		10		wsw.	4 h'r	4 h'r	h'vy	wsw.	hazy.
S. S. Muriel, St. Kitts, W. I			78	25.6		ene.			3		0			4 h'r	4 h'r	sm'h		clear.
S. S. Pennland, New York, N. Y	30.20	767.1	32	0.0		ne.			4					0	0			clear.
S. S. Vaderland, N. 47° 38′, W. 26° 50′ †	30.17	766.3	49	9.4		nw.			5		3		nw.	4 h'r	4 h'r	high	nw.	
S. S. Waesland, N. 47° 05′, W. 29° 50′			45	7.2		wsw.			8		9		wsw.	3 h'r	3 h'r	h'vy	wnw.	squally.
S. S. Amsterdam, N. 41° 24′, W. 59° 36′*	30.39?	771.9?	56.5?	13.6?	89	ene.			3		1		e.;s.			light	w.	clear.
S. S. P. Caland, N. 40° 23′, W. 69° 56′			43.5	6.4	76	ne.			4		10		w.	0	0	2	var.	
S. S. Maasdam, N. 39° 59′, W. 68° 29′			54	12.2	80	e.			4		10		se.	0	0	3	s.	cloudy
S. S. State of Nevada, N. 51° 26′, W. 27° 12′	30.12	765.0	36	2.2		nw.			4		2		wsw.	0	0	long	nw.	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles u. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Saxon, N. 39° 30′, W. 74° 06′			38	3.3		e.			1		10			o	o	sm'h		threatening.
S. S. Republic, N. 49° 34′, W. 21° 23††	30.16?	766.1?	42	5.6	83	nw.			6		5		nw.	sh'rs	sh'rs	h'vy	nw.	squally.
S. S. "Marengo, N. 40° 03′, W. 52° 00′†	30.28	769.1	66	18.9		ssw.			4		6		sw.	o	o	mod.	sw.	
S. S. Rialto, N. 42° 30′, W. 61° 03′			41	5.0		var.			1		0			o	o	sm'h	w.	fine.
Schr. Arthur Burton, N. 31° 34′, W. 77° 10′						sw.			3		7		sw.	c	o	rg'h	s.	threatening.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.04	763.0	78	25.6		ene.			2		2		ene.	o	o			clear.
S. Annie, N. 26° 26′, W. 33° 24′ *	30.38	771.6				ne.			5		9		ne.	o	o	long	nw.	cloudy.
Schr. Abbie H. Gheen, Georgetown, S. C. *†	30.18?	766.6?	60	15.6		ssw.			3									cloudy.
Bk. Alpha, N. 41° 50′, W. 19° 00′ *†	30.25	768.3	56	13.3		nw.			7		6		nw.	2 h'r	2 h'r	r'gh	nw.	squally.
Bk Achille F., N. 26° 30′, W. 42° — *†	30.44	773.2	69	20.6	77	ene.			6		9		e.	o	o	long	s.ese.	cloudy.
Bk. Bore, N. 44° 40′, W. 13° 47′*†	30.01	762 2	58	14.4		wnw.			5		3		wnw.	5 h'r	5 h'r	r'gh	wnw.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	77	25.0		se.			4		10		ne.	11 h'r	11 h'r			cloudy.
Bk. Cato, Oporto, Portugal†	29.95	760.7	57	13.9	87	ssw.			3					2 h'r	2 h'r			cloudy.
S. David Stewart, Orchilla Island, Venezuela			76	24.4		ne.			4		5		ene.	o	o	long	n.	
Schr. Edith R. Seward, Berbice, British Guiana†	30.05	763.3	81	27.2		ne.			1		5		ne.	o	o			fair.
U. S. Fish Com. S. S. Fish Hawk, Washington, D.C.			38	3.3		calm			0		10		calm	o.11	2.8			overcast.
S. Frank N. Thayer, N. 24° 50′, W. 40° 02′ *†	30.43	772.9	70	21.1		ene.			6		10		ene.	o	o	r'gh	e.	squally.
Bg. George, N. 18° 55′, W. 64° 30′*†	30.19	766.8				ese.			4		8		ese.	sh'rs	sh'rs	r'gh	e.	squally.
Bk. Galeon, N. 43° 16′, W. 16° 18′			53	11.7		nw.			6–7		5		nw.	o	o		nnw.	squally.
S. Gatherer, N. 30° 30′, W. 40° 44′†	30.50	774.7	68	20.0	79	e.			5		7		ese.	6 mi	nutes		nw.	cloudy.
Bk. Heinrich & Tonio, N. 47° 55′, W. 21° 38′ *†	30.10	764.5	47	8.3	81	nnw.			3–6		5		nnw.	18 h'r	18 h'r	r'gh	w.	squally.
Bk. Hattie G. McFarland, Aspinwall, U. S. C.			78	25.6		ne			6		6		se.	o	o			
Schr. Jennie N. Huddell, Wilmington, N. C.			62	16.7		ssw.			2		10		ssw.	shr's	shr's			cloudy.
Bg. John Welsh, jr., N. 17° 16′, W. 57° 52′						ene.			6							r'gh	e.	
Schr. John Bird, N. 19° 39′, W. 74° 45′						ene.			5		0			o	o	h'vy	e.	fine.
Schr. Jenny Greenbank, N. 21° 20′, W. 56° 56′*	30.21	767.3	70	21.1		ene.			4		4		ene.	2 h'r	2 h'r	r'gh	se.	fair.
Bg. L. & W. Armstrong, N. 20° 57′, W. 56° 04′†	30.18	766.6				e.			4		1		e.	½ h'r	½ h'r	mod.	e.	
Light-house tender Laurel, off Egmont Key, Fla†	30.11	764.8	68	20.0		se.			0–1		fg			light	light			dense fog.
S. S. Madrid, Savona, Italy†	29.83	757.7	47	8.3	92	nw.			2		10		nw.	4 h'r	4 h'r			raining.
Schr. Maggie Abbott, Gonaives, Hayti, W. I*†	30.08	764.0							2		0			o	o			clear.
Schr. Nellie T. Morse, N. 24° 21′, W. 82° 05′ †	30.16	766.1	74	23.3		se.			4		2		ese.	o	o			clear.
Bk. Rosina, N. 37° 57′, W. 69° 02′	30.15	765.8	50	10.0		e.			5		10			4 h'r	4 h'r	mod.	s.	raining.
Bk. Sunbeam, Lisbon, Portugal	29.97	761 2	57	13.9	88	nw.			3		10		wnw.	o	o			cloudy.
S. Stephen D. Horton, Antwerp, Belgium†	29.99	761.7				calm			0		5		nne.	o	o			fair.
S. Tsemogora, N. 45° 39′, W. 25° 11′ *†	30.30	769.6				wnw.			4		3		wsw.	rain	rain	long	w.	clear.
Bk. Tros, N. 43° 08′, W. 20° 19′ *†	30.30	769.6	52	11.1		nw.			6–7		6		w.	2 h'r	2 h'r	r'gh	nw.	light rain.
S. Vincenzo Accame, N. 36° 14′, W. 10° 14′†	30.00	762.1	59.0	15		nnw.			4		8		nw.	o	o	rg'h	nw.	stormy.
District No. 2—South Atlantic.																		
H. M. S. Amethyst, Stanley, Falkland Islands	29.58	751.3	56	13.3	75	wnw.			4		1					1	w.	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	29.94	760.5	64	17.8	78	sw.			2		6		sw.					d. clouds.
H. M. S. Sylvia, Montevideo, Uruguay	30.00	762.0	72.5	22.5	77	nne.			3		8		ne.					d. clouds.
H. P. M. S. Rainha de Portugal, S. 14° 23′, E. 12° 24′	29.86	758.4	69.8	21.0	75	sw.			5		0			o	o	4		blue sky.
S. S. Hevelius, Buenos Ayres, La Plata*†	30.09	764.3	74	23.3		ese.			3		1			o	o			clear.
S. S. Strassburg, S. 15° 22′, W. 36° 25′	30.05	763.3	82.5	28.1	81	e.			3		7		e.	1 h'r	1 h'r	2	e.	cloudy.
S. Grecian, S. 5° 30′, W. 31° 15′†	30.04	763.0	83	28.3	83	e.			4		5		e.	o	o	long	n.	fair.
S. Henry Failing, N. 2° 57′, W. 30° 40′*†	29.93	760.2	86	30.0	84	e.			2		5		e.	o	o	long	nne.	fair.
Bk. Horace Scudder, Loango, Guinea*†	30.00	762 0	82	27.8		w.			4		2		sw.	o	o		sw.	fair.
S. Ismir, S. 38° 49′, W. 29° 30′ *†	30.10	764.5				nnw.			2		2		nnw.	o	o	sm'h		fine.
Bkt. Levanter, Montevideo, Uruguay *	30.01	762.2	75	23.9		ne.			2		6		n.	o	o			fair.
S. S. Mendoza, S. 27° 09′, W. 38° 14′†	30.15	765.8			83	e.			4				e.	1 h'r	1 h'r	sm'h	ese.	clear.
S. S. Olbers, S. 0° 56′, W. 29° 00	30.00	762.0	81	27.2		var.			2		6		se.			sm'h		fine.
U. S. S. Nipsic, Punta Lara, La Plata*	29.95	760.7	72	22.2	95	ene.			3		2		ne.			mod.	ese.	clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan			45	7.2	92	calm			0		10			0.28	7.1			raining.
U. S. S. Essex, Hong Kong, China	30.00	762.0	66	18.9	68	ne.			2		8		ne.					cloudy.
U. S. S. Juniata, Roze Island, Corea	29.92	760.0	40	4.4	91	wnw.			3		8		w.	o	o			cloudy.
U. S. S. Palos, Tientsin, China	30.10	764.5	36	2.2	90	w.			1		0							clear.
U. S. S. Ranger, Estero Real, Nicaragua	30.01	762.2	78	25.6	77	calm			0		0			o	o			clear.
H. M. S. Audacious, Hong Kong, China	30.03	762 7	65	18.3	78	ene.			1		7		e.					d. clouds.
H. M. S. Champion, Shanghai, China	30.19	766.8	45	7.2	84	n.			2		0							blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.08	764.0	53.2	11.8	86	ne.			4		10			o	o	2	se.	raining.
H. P. M. S. Tamega, Macao, China	30.09?	764.2?	69.8?	21?	86	nw.			3		9							overcast.
U. S. S. Monocacy, Canton, China	30.02	762.5	80	15.6	60	n			2		10		wsw.					cloudy.
S. S. City of Chester, Hookton, Cal†	29.99	761.7	54	12.2	93	calm			0					rain	rain			
S. S. Oregon, Columbia river, Oregon †	29.98	761.5	32	0.0	90	calm			0									foggy.
S. S. Alameda, N. 34° 54′, W. 128° 55′†	30.12	765.0	56	13.3	94	se.			2		9		se.	o	o	sm'h		cloudy.
S. S. Ancon, Point Duma, Cal†	30.05	763.3	60	15.6	76	wnw.			3		0			o	o	light	wsw.	clear.
S. S. Geo. W. Elder, Port Townsend, Wash. Ter.			36	2.2	52	ne.			2		9			o	o			overcast.
S. S. State of California, N. 45° 56′, W. 124° 10′†	29.97	761.2	36	2.2	80	nne.			3		10		ne.			sm'h	nw.	snowing.
S. S. City of Pekin, N. 30° 00′, W. 170° 25′†	30.34	770.6	57	13.9	58	ese.			2		2		ne.	o	o	long	nw.	clear.
S. S. City of Rio de Janeiro, N. 32° 07′, E. 171° 51′ †	30.31	769.9	56	13.3		ne.			2				n.			long	nw.	clear.
S. S. City of Tokio, N. 29° 20′, E. 128° 20′ †	29.87	758.7	55	12.8	87	nw.			6		10		nw.			r'gh	nw.	heavy rain.
S. S. Colima, Acajutla, San Salvador†	30.05	763.3	79	26.1	82	ne.			2		6		sw.	o	o	small	sw.	cloudy.
S. S. Granada, Mazatlan, Mexico†	29.97	761.2	70	21.1	85	nw.			2		0			o	o	light		clear.
S. S. San Jose, Panama, Panama†	29.97	761.2	62	16.7	95	se.			2		2		nw.	o	o			clear.
S. S. Benalder, Yokahama, Japan	29.90	759.4	56	13.3	87	var.			1–3		7		var.	6 h'r	6 h'r			rainy.
District No. 4—South Pacific.																		
U. S. S. Plata, S. 53° 10′, W. 70° 53′	29.43	747.5	52	11.1	78	w.			3		2		nw.					clear.
U. S. S. Wachusetts, Iquique, Peru	29.98	761.5	65	18.3	89	sse			2		2		calm			long	ssw.	fair.
H. M. S. Espiegle, S. 41° 17′, E. 174° 48′	30.27	768.8	57	13.9	81	sse.			1		10							raining.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.01	762.2	65.3	18.5	86	ne.			2		10							showery.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.93	760 2	74	23.3	81	s.			2		7	ne.						misty.
S. S. City of Sydney, S. 25° 37′, W. 176° 54′.*†	30.03	764.7	75	23.9	95	e			3	ck	8 n		s.			small	ese.	misty.
S. S. Zealandia, S. 22° 37′, W. 174° 19′	30.03	762.7	79	26.1	80	ene.			4		o							cloudy.
District No. 5—Indian Ocean.																		clear.
U. S. S. Trenton, N. 19° 55′, E. 38° 51′	29.84	757.9	81	27.2	87	nnw.			2		o					sm'h	nnw.	clear.
H. M. S. Magpie, N. 7° 13′, E. 98° 48′	29.80	756.9	83.5	28.6	78	w.			2		o							misty.
H. M. S. Tourmaline, S. 11° 25′, E. 48° 21′	29.82	757.4	79	26.1	91	w.			2		8					3	w.	raining.
S. Orealia, S. 40° 54′, E. 64° 50′*	29.60	751.8				var.			4		fg.		nw.	o	o	sm'h	sw.	foggy.

International Chart I. March 7, 1884. Isobars and Isotherms



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B. Hazen, Chief Signal Officer.

Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 8, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.93	760.2	60.1	15.6	75	n.	.....	.....	1	.....	7	.....	.....	0.205	5.2	very cloudy	Koziere.
Algiers	.....	.....	29.87	758.8	59.7	15.4	75	n.	.....	.....	1	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.81	757.2	57.9	14.4	96	nw.	.....	.....	1	.....	4	.....	.....	0.551	14.0	cloudy	Fonfrède.
Tunis	.....	.....	29.76	756.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.91	759.7	50.4	10.2	62	nw.	.....	.....	1	.....	3	.....	.....	0.185	4.7	pretty fair	Forfert.
Laghouat	.....	.....	29.97	761.2	64.8	18.2	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.85	758.2	63.3	17.4	78	n.	.....	.....	2	.....	2	.....	.....	0	0	fair	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	29.99	761.7	70.8	21.6	74	calm	0	0	.....	.....	9 k	.....	.....	0.045	1.2	overcast	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.76	755.9	29.95	760.7	55.5	13.1	85	calm	0	0	.....	.....	10	.....	.....	0	0	cloudy	Com. J. Short, R. N.
Melbourne, Victoria	29.91	759.7	30.00	762.0	60.0	15.6	87	sse.	4	1.8	.....	.....	10	.....	.....	0.02	0.5	dull	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29 23	742.5	29.80	757.0	33.6	0.9	79	e.	.....	.....	1	.....	10	.....	.....	0.307	7.8	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.06	738.2	29.86	758.4	32.0	0.0	78	ene.	3.1	1.4	.....	.....	10	.....	.....	0.028	0.7	.....	Dr. Wierzbiski
Eperies	28.93	734.7	29.83	757.6	39.9	4.4	73	calm	.....	.....	0	.....	10 s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.57	725.7	29.85	758.1	40.6	4.8	66	e.	.....	.....	1	.....	10	.....	.....	0.071	1.8	.....	Andreas Rospini.
Hermannstadt	28.35	720 2	29.80	757.0	42.4	5.8	48	sse.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.46	722.8	29.84	757.8	36.9	2.7	84	w.	.....	.....	2	.....	10	.....	.....	0.020	0.5	.....	The Staff.
Lemberg	28.89	733.7	29.92	760.0	30.6	— 0.8	70	se.	.....	.....	1	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.67	753.7	29.78	756.5	48.6	9.2	81	nne.	.....	.....	1	.....	6	.....	.....	0.083	2.1	.....	I. R. Hydrographic Office.
Szathmar	29.32	744 6	29.79	756.6	42.8	6.0	57	s.	.....	.....	3	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.53	750.1	29.82	757.4	42.8	6.0	57	se.	.....	.....	1	.....	4	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.72	755.0	29.82	757.5	45.5	7.5	65	ne.	.....	.....	2	.....	5	.....	.....	0.031	0.8	.....	Royal Academy.
Vienna	29.13	739 8	29.87	758.7	34.2	1.2	77	se.	.....	.....	1	.....	10	.....	.....	0.055	1.4	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.42	721.8	29.83	757.6	41.4	5.2	71	sw.	.....	.....	—1	.....	2	.....	.....	0	0	.....	.....
Brussels	29.64	752.8	29.84	758.0	40.6	4.8	86	e.	.....	.....	1	10	.....	wnw.	.....	inap.	inap.	.....	.....
Furnes	29.80	756.8	29.82	757.3	42.8	6.0	83	sse.	.....	.....	1	.....	10	.....	.....	0	0	.....	.....
Maeseyck	29.75	755.7	29.88	758.9	38.3	3.5	89	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.57	751.1	29.67	753.6	40.1	4.5	98	se.	30	13.4	.....	.....	10	.....	.....	0.570	14.5	raining	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.69	754.1	41.7	5.4	87	w.	5	2.2	.....	.....	10	.....	.....	.....	.....	raining	John Harnup.
Bolton, Sharples	29.14	740.1	29.67	753.6	39.3	4.1	93	ssw.	3	1.3	.....	.....	10	.....	.....	.....	.....	raining	Thomas Mackereth.
Bradford, Yorkshire	29.26	743.2	29.66	753.4	43.8	6.6	84	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	drizzling	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.01	762.2	30.04	763.0	79	26.1	70	e.	.....	.....	2	.....	8	.....	.....	.....	.....	overcast	Corp'l C. McGregor, A.H.C
Oardington	.....	.....	.....	.....	43.6	6.4	84	sw.	.....	.....	0.6	.....	10	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E	29.62	752.3	29.80	756.9	47.1	8.4	72	calm	.....	.....	0	.....	10	.....	.....	blank	blank	misty	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.55	750.6	29.78	756.4	46.6	8 1	68	wnw.	.....	.....	1	.....	3	.....	.....	.....	.....	blue sky	The Staff.
Fort Napier, Natal	27 59	700.8	29 90	759.4	66.0	18.9	95	s.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.59	751.6	29.63	752.6	40	4.4	82	sw.	.....	.....	2	.....	4	.....	.....	0	0	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	29.81	757.2	29.91	759.7	53.8	12.1	93	w.	.....	.....	3	.....	10	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.60	751.8	29.77	756.1	47.9	8.8	67	ssw.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.50	749.3	29.80	756.9	45.5	7.5	84	s.	.....	.....	1	.....	9	.....	.....	.....	.....	raining	A. Collenette, F.R.M.S
Kew, Observatory	29.73	755.1	29.77	756.1	47.2	8.4	72	s.	10	4.5	.....	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.46	748.3	29.72	754.9	43.4	6.3	87	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	drizzling	J. C. Smith.
Malta, Mediterranean	29.67	753.6	29.74	755.4	61.8	16.6	72	nw.	.....	.....	3	.....	4	.....	.....	0.23	5.8	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.18	766.6	30.22	767.6	76.0	24.4	82	se.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.52	749.8	29.75	755.6	46.0	7.8	83	s.	.....	.....	3	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.68	753.9	29.75	755.6	48.2	9.0	81	nw.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.51	749.5	29.61	752 1	41	5.0	93	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	drizzling	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.77	756.1	29.83	757.7	43.2	6.2	79	ne.	.....	.....	2	.....	10	.....	.....	blank	blank	gloomy	W. H. Lyne.
Sheffield	29.38	746.2	29.66	753.4	43.8	6.6	86	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	W. F. Cooper.
Silloth Rectory	29.60	751.8	29.63	752.6	40.0	4.4	97	s.	.....	.....	2	.....	10	.....	.....	0.075	1.9	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.69	754.1	40.2	4.6	88	w.	6	2.7	.....	.....	10	.....	.....	0.226	5.7	raining	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	49.2	9.6	69	sw.	.....	.....	1.1	.....	5	.....	.....	.....	.....	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.53	750 0	29.55	750.6	42.7	5.9	79	s	41	18.3	.....	.....	10	.....	.....	.....	.....	raining	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.42	747.3	29.82	757.4	59.0	15.0	76	nw.	8.1	3.6	.....	0	6 n	.....	nw.	0.16	4.1	fair	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.98	761.5	30.10	764.5	58.8	14.9	90	e.	25	11.2	.....	.....	10 k	.....	ene.	0.030	0.8	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	30.53	775.4	30.59	777.0	11.0	—11.7	.....	calm	0	0	.....	10 c	0	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.45	773.4	30.50	774.7	11	—11.7	100	ne.	6	2.7	.....	.....	10 n	.....	.....	0.170	4.3	light snow	H. J. Cundall, C. E.
Chatham, N. B	30.50	774.7	30.57	776.5	7	—13.9	100	ne.	5	2.2	.....	.....	10 n	.....	ne.	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	30.04	763.0	30.25	768.3	12.0	—11.1	100	ne.	.....	.....	3	.....	10 n	.....	.....	0.150	3.8	snowing	Jas. Smith, M. A.
Dalhousie, N. B	30.53	775.4	30.59	777 0	1.5	—16.9	.....	nw.	.....	.....	1	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec	30.65	777.2	30.62	777.7	5	—15.0	91	ne.	8	3.6	.....	5 c	5 s	.....	.....	0	0	cloudy	J. McWilliams
Fort Garry, Manitoba	29.30	744.2	30.27	768.8	—15	—26.1	100	s.	15	6.7	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	30.44	773.2	30.51	774.9	9.1	—12.7	98	ne.	8	3.6	.....	.....	10 n	.....	.....	0.090	2.3	snowing	Dr. Thos. Harrison.
Grand Manan, N. B	30.31	769 9	30.37	771.4	23	— 5.0	88	ne.	14	6.3	.....	.....	10 n	.....	.....	0.70	17.8	light snow	J. Chipman Seeley
Granton, Ontario	28.95	735.3	30.14	765.5	16.5	— 8.6	92	ne	5	2.2	.....	.....	10 n	.....	.....	0.200	5.1	overcast	Jas. Grant.
Halifax, N. S	30.26	768.6	30.40	772.1	22	— 5.6	100	n.	5	2.2	.....	.....	10 n	.....	.....	0.25	6.3	light snow	A. Allison.
Hamilton, Ontario	29.69	754.1	30.12	765.0	10.7	— 8.5	92	ne.	.....	.....	3	10 cs	0	ne.	.....	0.300	7.6	overcast	Geo. Dickson, B. A.
Kingston, Ontario	29.77	756.1	30.14	765.5	17	— 8.3	91	n.	25	11.2	.....	.....	10 n	.....	n.	0.30	7.6	light snow	A. P. Knight, M. A.
Little Grace Bay, N. S	30.49	774.4	30.53	775.4	13.0	—10.6	90	e.	2	0.9	.....	.....	10 n	.....	.....	0.200	5.1	snowing	C. H. Rigby.
London, Ontario	29.14	740 1	30.11	764 8	17.8	— 7.9	92	ne.	.....	.....	3	.....	10 n	.....	.....	0.800	20.3	snowing	E. B. Reed.
Medicine Hat, N. W. T	27.37	695.2	29.81	757.2	12	—11.1	91	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	27.96	710.2	30.15	765.8	—10	—23.3	100	s.	9	4.0	.....	0	0	.....	.....	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec	30.10	764.5	30.32	770.1	12	—11.1	96	ne.	16	7.2	.....	.....	10 n	.....	.....	0.03	0.8	light snow	C. H. McLeod, C. E.
Ottawa, Ontario	30.06	763.5	30.31	769.9	13.0	—10.6	84	ne.	.....	.....	.....	.....	10 s	.....	.....	0.150	3.8	snowing	A. McGill, M. A.
Parry Sound, Ontario	29.52	749.8	30.29	769.4	9	—12.8	83	e.	13	5.8	.....	.....	10 n	.....	e.	0.08	2.0	light snow	Rev. R. Mosley.
Peterboro, Ontario	29.49	749.0	30.28	769.1	17.6	— 8.0	70	n.	.....	.....	2	.....	10 k	.....	.....	0.11	2.8	snowing	Wm. O'Connor, M.A.
Port Arthur	29.06	753.4	30.48	774.2	—11	—23.9	100	w.	1	0.4	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.33	745.0	30.07	763.8	21	— 6.1	100	ne.	16	7.2	.....	.....	10 n	.....	ne.	0.15	3.8	threatening	H. Morgan.
Port Stanley, Ontario	29.37	746.0	30.06	763 5	18	— 7.8	87	ne.	12	5.4	.....	.....	10 n	.....	ne.	0.28	7.1	cloudy	M. Payne.
Qu Appelle, N. W. T	27.47	697 7	30.00	762.0	— 5	—20.6	.....	sw.	10	4.5	.....	8 cs	0	.....	.....	0	0	cloudy	Leslie Gordon.
Quebec, Quebec	30.05	763 3	30.44	773.2	12	—11.1	87	ne.	28	12.5	.....	.....	10 s	.....	ne.	0	0	cloudy	Capt. Asne, R. N.
Rockliffe, Ontario	29.85	758.2	30.35	770.9	10	—12.2	80	se.	12	5.4	.....	.....	10 s	.....	se.	0	0	threatening	W. H. McIntyre.
St. Andrews, N. B	30.29	769 4	30.35	770.9	17	— 8.3	98	ne.	7	3.1	.....	.....	10 n	.....	.....	0.60	15.2	heavy snow	
St. John, N. B	30.27	768.8	30.42	772.7	14.5	— 9.7	96	calm	0	0	.....	.....	10 n	.....	.....	0.170	4.3	snowing	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.47	774.0	15.8	— 9.0	.....	ne.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	29.45	748.0	30.23	767.8	13	—10.6	100	ne.	19	8.5	.....	.....	10 s	.....	.....	0.10	2.5	light snow	
Stratford, Ontario	28.74	730.0	30.12	765.0	17.9	— 7.8	84	calm	0	0	.....	.....	10 s	.....	.....	0	0	d. clouds	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction Upper. From.	Clouds. Direction Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	30.47	773.9	30.54	775.7	12	—11.1	87	ne.	3	1.3			10 n			0.20	5.1	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.75	755 6	30.16	766.1	17	— 8.3	96	ne.	22	9.8			10 n			0.26	6.6	light snow	Magnetic Observatory.
Woodstock, Ontario	28.98	736.1	30.13	765.3	16.6	— 8.6	95	n.	24	10.7			10 n			0.250	6.3	snowing	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.21	767.3	30.29	769.4	26	— 3.3	84	e.	12	5.4			10 n			0.05	1.3	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.06	763 5	30.09	764.3	67.0	19.4	89	sw.					10			0.250	6.3	drizzling	I. Garfelt.
Cape Town, The Castle	29.92	760.0			73.0	22.8	52	ne.				0	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.92	709.2			83	28.3	43									0	0		J T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.51	749.5	29.61	752.2	56.5	13.6	98	e.			3		8		e.	0	0	misty	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					60.8	16.0	87	sw.			1		10 n		sw.	0	0	cloudy	Leon Herrera.
Valparaiso	29.88	759.0	30.02	762.6	61.2	16.2	93	s.			1		10					cloudy	Paez-i-Ampuero.
CHINESE (*sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.22	767.7	30.25	768.3	42.8	6.0	83	nw.	3.8	1.7		6 c				0	0	very cloudy	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.89	759.3	29.94	760.5	32.5	0.3	80	se.	27	12			10						Oversergent Fischer.
Fanöe	29.87	758.8	29.89	759.3	32.5	0.3	80	ene.			4		3						Overloerer Lauridsen.
Godthaab, Greenland	29.52	749.7	29.56	750.8	—13.9	—25.5	100	nw.			4		10						S. Kleinschmidt.
Ivigtut, Gree land	29.41	747.0	29.43	747.5	— 9.0	—22.8		ne.			6		9						
Stykkisholm, Iceland	29.32	744.7	29.36	745.8	30.6	— 0.8	83	e.			7		8						A. O. Thorlacius.
Thorshavn	29.01	752.1	29.63	752.7	41.7	5.4	80	ene.	13	6			6						Overloerer Bergh.
Upernavik, Greenland	29.54	750.2	29.58	751.4	—16.4	—26.9		calm			0		0						
Vestervig	29.82	757.4	29.91	759.7	32.9	0.5	92	e.			6		10					snowing	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.62	752.3			72.5	22.5		se.	7.6	3.4			6			inap.	inap.		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.29	743.9	29.95	760.6	51.8	11	63	wnw.			1		0			0	0	clear	M. Labroue, Director.
Alençon, Normal School	29.29	744.0	29.84	758 0	46.4	8	81	sw.			1		5 kn		ne.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.53	750.1	29.78	756.3	49.1	9.5	59	sw.			1		2		n.	0	0	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.76	755.8	29.84	757.8	58.6	14.8	34	nw.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.29	744.0	29.85	758.3	46.4	8.0	46	sse.			1		5		s.	0	0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.58	751.3	29.85	758.1	47.7	8.7	50	ssw.			1		2		ssw.	0	0	slightly cl'dy	M. Frère Eugène Marie.
Besançon, Normal School	28 89	733.8	29.80	756.8	48.9	9.4	44	e.					k		s.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.58	751.3	29.84	758 0	50.5	10.3	39	nw			1		2			0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.32	744.6	29.87	758.7	48.9	9.4	72	sse.			1		5		sse.	0	0	clear	M. Sauvageot, Director.
Brest, Naval Observatory	29.64	752.8	29.88	759 0	48.9	9.4	89	calm			0		7			0	0		M. de Kermarec, Dir.
Caen, Normal School	29.73	755.1	29.80	757 0	47.8	8.8	92	w.			1		10			0	0	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.55	750.5	29.87	758.8	46.6	8.1	58	calm			0		0			0	0	clear	M. Jadot, Director.
Charleville, Normal School	29.32	744.7	29.84	758.0	45.7	7.6	61	s.			2		5		se.	0	0	½ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.47	723.0	29.82	757.4	50.7	10.4	44	ene.			1		0			0	0		M. Alluard, Director.
Cluny, Normal School	29.00	736.6	29.90	759.4	48.9	9.4	61	n.			1		2			0	0	slightly cl'dy	M. de Villemontés, Dir.
Commercy, Normal School	29.00	736.7	29.89	759.2	40.8	4.9	48	ne.			2		5 k		ne.	0	0	cloudy	Dr. Coulet, Director.
Gap, Normal School	27 26	692.3	29.81	757.1	46.4	8.	46	s.			4		3 n			0	0		M. Jarach, Director.
Grénasque, du Rhone	28.68	728 5	29.80	757 0	53.1	11.7	52	sw.			1		1		sw.	0.35	9.		M. Kina, Director.
Grenoble, Normal School	29.04	737.6	29.81	757.1	53.6	12	63	se.			1		k		s.	0	0		M. Ablard, Director.
Guéret, Normal School	28 22	716.7	29.80	757.0	46.4	8.	46	sse.			4		0			0	0	clear	M. Delorme, Dir.
Lambal e Normal School																			M. Poupre, Dir.
Lescar, Normal School	29.35	745.5	29.89	759.1	53.2	11.8	38	wnw.			1		kn			0	0		M. Chauvin, Director.
Lorient, Naval Observatory	29.71	754 7	29.82	757.3	50.4	10.2	74	ssw.			4		8		s.	0.197	5.0	¾ covered	L . T. Carre, Director.
Lyon, St. Genis-Laval	28.78	730 9	29.84	758 0	47.3	8.5	48	n.			1		5		sw.	0	0	misty	M. André, Director.
Mans, Normal School	29.59	751.6	29.90	759 5	46.9	8.3	59	sw.			1	2 ck			ne.	0	0	slightly cl'dy	M. Richard, Directo:
Marseille, Observatory	29.53	750 1	29.80	756 9	55.0	12.8	55	wsw.			2–4		1		wsw.	0	0		M. Stephan, Director.
Montlouis	24.58	624.2	29.42	747.2	41.4	5.2	55	e.	9.4	4.2			0			0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.69	754.1	29.80	756.9	57.2	14	57	sw.			2		0			0	0	clear	M. Gulzin, Director.
Nancy, Normal School	29.06	738 2	29.87	758.6	42.1	5.6	53				1				ne.	0	0		M. Hasse, Director.
Nantes, Observatory	29.74	755.4	29.90	759 5	52.9	11.6	45	ssw.			0–1	9 c;ck				0	0		M. Lareeque, Director.
Perpignan, Observatory	29.75	755.7	29.87	758 6	56.1	13.4	43	sw.	1.8	0.8			0			0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.93	531.7			25.5	— 3.6		calm			0		0			0	0	clear	M. Vaussenat, Director.
Privas, Normal School	28.74	729 9	29.80	756.9	52.9	11.6	46	s.			1		0			0	0	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.89	632 1			29.3	— 1.5	73	w.			3		2			0.004	0.1		M Alluard.
Rochefort, Naval Obs'y	29.85	758.3	29.89	759.1	54.7	12.6	48	calm			0		0		w.	0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.66	753 4	29.87	758.8	51.8	11.	48	w.			1					0	0		M. Brotlier, Director.
Rodez, Normal School	27 71	703.8	29.89	759.3	45.9	7.7	85	nw.			1		10 h		se.	0	0	covered	M. Seger, Director.
Rouen, Normal School	29.80	757.0	29.85	758 2	49.6	9.8	54	se.			1		1	se	s.	0	0	clear	M. Mouillot, Dir.
Saint Maur, Observatory	29.69	754.1	29.85	758.3	48.7	9.3	42	ssw.			1		2	w.	ssw.	0	0		M. Renou, Director.
Toulouse, Observatory	29.17	741 0	29.89	759 3	51.1	10.6	52	nw.			1		2	nw.		0	0	slightly cl'dy	M. Baillaud, Director.
Tours	29.67	753.5	29.85	758.1	49.3	9.6	54	ne.			1		1		ne.	0	0	clear	M. de Tastes.
Versailles, Observatory	29.35	745.5	29.84	758 0	48.9	9.4	48	sw.			1		5			0	0	cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.77	756.2	29.92	760.0	52.3	11.3	52	w.	15.7	7.0			8 k		w.	0	0		M. Cartier, Director.
GERMAN.																			
Ansbach	28.40	721.3	29.89	759.4	37.8	3.2	50	n.			2		8	n.		0.098	2.5		Prof. Juedt.
Bamberg	28.98	736.2	29.82	757.5	37.4	3.0	76	calm			0		8			0.004	0.1		Prof. Dr. Hoh.
Berlin	29.72	754.8	29.87	758.6	30.6	— 0.8	87	n.			1		10			0.020	0.5		Meteorological Institute
Breslau	29.31	744.5	29.84	757.9	36.5	2.5	84	sse.			2		10			0.063	1.6	snow & fog	Royal University Obs'y
Carlsruhe	29.43	747 5	29.90	759.5	39.2	4.0	73	sw.			2		9	sw.		0	0		Albert Senz.
Cassel	29.15	740.5	29.87	758 6	32.7	0.4	90	ne.			1		10			0.008	0.2		Dr. H. Möhl.
Frankfort-on-the-Main	29.50	749.2	29.87	758.7	37.4	3.0	87	ese.			1		10			0.012	0.3		Physical Society.
Friedrichshafen	28 41	721.7	29.86	758.5	43.0	6.1	71	sw.			3		4	w.		0	0		Wilhelm, Chief Tel.
Hamburg	29.82	757.3	29.91	759.6	32.0	0.0	81	n.			1		10			0.004	0.1	snowing	E. Preller.
Kiel	29.87	758.8	29.89	759.2	32.7	0.4	80	nnw.			1		8			0.008	0.2		Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.46	748.2	29.90	759.4	31.1	— 0.5	92	ne.			1		10					snowing	H. Leppig, Asst.
Magdeburg	29.69	754.2	29.89	759.2	33.8	1.0	80	ene.			1		8	nw.		0.004	0.1		Weather Observatory.
Memel	30.02	762.6	30.07	763.8	32.5	0.3	96	se.			1		8						Issermann.
Munich	28.02	711.6	29.87	758.6	38.1	3.4	63	nw.			2		9 ks						Central Station.
Neufahrwasser	29.96	761.0	29.98	761.4	30.4	— 0.9	96	se.			3		8	w.		0.043	1.1		A. Lothes.
Neustadt, Palatinate	29.32	744.8	29.84	758.0	40.8	4.9	76	se.			1		10			0	0		Prof. Dicknether.
Stuttgart	28.87	733 3	29.78	756.5	41.5	5.3	62	n.			1		4	se.		0	0		Prof. Dr. Schoder.
Wustrow	29.87	758.6	29.89	759 2	31.3	— 0.4	96	se.			1		6	w.		0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.50	749.2	29.89	759.1	51.8	11.0		nw.			1.0	9	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.81	757.1	29.86	758.4	75.9	24.4	71	sw.	28.0	12.5			1			0	0	d. clouds	
Deesa	29.39	746.5	29.87	758.6	81.2	27.3	28	ssw.	4.0	1.8			4	sw.		0	0	d. clouds	
Bombay	29.78	756.4	29.82	757.4	79.7	26.5	69	nw.	22.0	9.8			4	w.		0	0	d. clouds	
Poona, Yarrowda	27 95	709 9	29.76	756 0	89.5	31.9	15	sw.	12.0	5.4			4	sw.		0	0	d. clouds	
Belgaum	27.28	692.8	29.77	756.1	84.8	29.3	29	wsw.	9.0	4.0			3	w.	s.	0	0	d. clouds	
Lahore	29.14	740 3	29.90	759.4	74.3	23.5	31	w.	2.0	0.9			0			0	0	blue sky	
Roorkee	28.92	734 7	29.82	757.5	80.2	20.8	28	calm	0	0			10	w.		0	0	overcast	
Agra	29.28	743.6	29.84	757.8	84.2	39.0	18	s.	2.0	0.9			6		s.	0	0	d. clouds	
Nagpur	28.73	729 8	29.75	755.7	91.7	33.2	23	calm	0	0			5		w.	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Bubbulpore	28 47	723.1	29.80	757.0	87.2	30.7	19	nw.	2.0	0.9	.....	.....	4	....	.....	0	0	d. clouds	
Lucknow	29.46	748.2	29.83	757.6	86.1	30.1	32	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Allahabad	29.50	749.2	29.80	757.0	88.7	31.5	24	ne.	2.0	0.9	.....	.....	5	sw.	.....	0	0	d. clouds	
Patna	29.62	752.4	29.80	757.0	88.4	31.3	20	wnw.	3.9	1.7	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.82	706 5	29.81	757.2	82.0	27.8	19	n.	10.0	4.5	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.73	755.1	29.81	757.1	88.9	31.6	54	sw.	4.0	1.8	.....	.....	10	.....	.....	0	0	overcast	
Calcutta, Alipore	29.79	756.6	29.81	757.1	87.0	30.6	38	s.	5.0	2.2	.....	.....	3	.....	w.	0	0	d clouds	
Dhubri	29.66	753.5	29.78	756.4	83.2	28.4	33	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Chittagong	29.77	756.0	29.86	758 4	78.9	26.1	79	w.	2.3	1.0	.....	.....	0	.....	.....	0	0	blue sky	
Sibsagar	29.53	750.2	29.88	758.9	72.0	22.2	72	ne.	1.0	0.4	.....	.....	0	.....	.....	0	0	blue sky	
Jeypore	28.42	721.8	29.86	758.5	79.7	26.5	29	w.	6.3	2.8	.....	.....	7	w.	.....	0	0	d. clouds	
Zanzibar	29.76	756.0	29.79	756.6	83.8	28.8	72	wnw.	5.0	2.2	.....	.....	1	.....	.....	0	0	d. clouds	
Bellary	28.30	718.8	.....	.....	91.0	32.8	18	e.	4	1.8	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.60	751.8	.....	.....	92.5	33.6	35	ene.	0.2	0.1	.....	0	0	.....	.....	0	0	blue sky	
ITALIAN.																			
Udine	29.39	746.4	29.80	757.0	49.1	9.5	57	ne.	1.3	0.6	.....	.....	4	....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.28	743.6	29.80	757.0	51.4	10.8	54	nw.	3.1	1.4	.....	.....	0	wsw.	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	29.68	753.9	29.79	756.8	49.6	9.8	53	calm	0	0	.....	.....	3	nw.	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.88	733.6	29.80	756.8	48.9	9.4	59	sw.	2.5	1.1	.....	.....	5	n.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.58	751.4	29.78	756.3	53.6	12.0	48	nw	3.1	1.4	.....	.....	0	.....	.....	0.402	10.2	.....	Prof. G. M. Garibaldi.
Pesaro	29.74	755.4	29.79	756.7	47.8	8.8	86	nw.	10.5	4.7	.....	.....	10	wnw.	.....	0.039	1.0	.....	Prof. Luigi Gindi.
Florence	29.51	749 5	29.76	756.0	53.6	12.0	57	w.	.....	.....	2	.....	5	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	29.65	753.2	29.74	755.4	53.8	12.1	71	wnw.	3.1	1.4	.....	.....	5	w.	.....	0	0	.....	Prof. P. Monte.
Rome	29.57	751.0	29.74	755.5	50.1	13.4	61	w.	1.3	0.6	.....	.....	10	.....	.....	0.240	6.1	.....	Prof. P. Tacchini.
Lecce	29.51	749.6	29.77	756.1	57.4	14.1	65	sse.	15.4	6.9	.....	.....	9	s.	.....	0.012	0.3	.....	Prof. C. de Giorgi.
Cosenza	28.90	734.0	29.80	756.9	55.6	12.8	77	wsw.	1.8	0.8	.....	.....	9	sw.	.....	0.039	1.0	.....	Prof. D. Conti.
Palermo	29.54	750.3	29.79	756.7	60.1	15.6	68	nw.	11.2	5.0	.....	.....	6	wnw	.....	0.079	2.0	.....	Prof. G. Cacciatore
Syracuse	29.69	754.1	29.73	755.2	59.0	15.0	68	nne.	18.6	8.3	.....	.....	8	nne.	.....	1.299	33.0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.23	742.4	.....	.....	55.4	13.0	76	sw.	0	0	.....	.....	5	sw.	.....	0.283	7.2	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	29.70	754.3	29.73	755.2	30.1	— 1.1	83	nw.	.....	.....	4	.....	10 k	.....	w.	0.244	6.2	cloudy	H. Hattori.
Awomori	29.73	755.1	29.77	756.1	28.5	— 1.9	77	e.	5.1	2.3	.....	.....	10 n;s	.....	.....	0.051	1.3	light snow.	K. Ogawa.
Hakodate	29.77	756.2	29.78	756.5	27.0	— 2.8	79	nnw.	7.2	3.2	.....	.....	10 n	.....	nw.	0.036	0.9	covered	Y. Souma.
Hamamatsu	29.66	753.3	29.76	755 8	41.9	5.5	60	w.	.....	.....	6	2 ck	0	w.	.....	0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.96	761.0	29.97	761.3	39.1	3.9	79	e.	2.5	1.2	.....	1 ck	0	nw.	.....	0	0	clear	Y. Okamoto.
Kagoshima	29.99	761.7	30.00	762.0	44.0	6.7	88	nw.	.....	.....	2	0	0 s	.....	nw.	0.012	0.3	fair	
Kanazawa	29 78	756.4	29.89	759.2	35.4	1.9	87	ne.	2.0	0.9	.....	.....	10ks;s	.....	n.	0.300	7.6	overcast	S. Endo.
Kioto	29.69	754 1	29.86	758.5	37.5	3.1	87	nnw.	3.1	1.3	.....	.....	10n;ck	.....	n.	0.029	0.7	light rain	M. Tojima.
Kochi	29.89	759.2	29.91	759.7	45.7	7.6	53	nw.	20.0	8.9	.....	6 ck	0	nw.	.....	0	0	fair	K. Kusunose.
Miasaka	29.92	760 0	29.95	760.7	45.1	7.3	77	w.	.....	.....	1	0	0	....	.....	0	0	clear	K. Masusaki&T. Ishitain.
Miyako	29.68	753.8	29.79	756.6	28.0	— 2.2	70	nw.	4.7	2.1	.....	.....	10 n	.....	.....	0.248	6.3	snowing	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.83	757.7	30.04	763.0	41.1	5.1	89	n.	4.8	2.1	.....	2 ck	0	nw.	.....	0.010	0.2	clear	
Nemuro	29.70	754.4	29.75	755.6	23.0	— 5.0	72	nw.	15.0	6.7	.....	.....	10 s	.....	nw.	0	0	cloudy	A Shibuya.
Niigata	29.80	756.9	29.83	757.7	37.5	3.1	70	nw.	4.9	2.2	.....	.....	10s;ks	.....	nw.	0.035	0.9	covered	Satoo & Tomikawa.
Nobiru	29.70	754.4	29.72	754 8	34.3	1.3	85	n.	7.7	3.4	.....	3 ck	5ks;s	w.	.....	0.045	1.2	fair	Yoshino & Midzushina.
Numadzu	29.56	750.8	29.60	751.8	48.7	9.3	57	se.	.....	.....	4	4 c	6	....	se.	0	0	cloudy	T. Ohgi.
Osaka	29.87	758.6	29.88	759.0	37.7	3.2	82	nnw.	14.1	6.3	.....	0	0	.....	.....	0	0	clear	d. Omura.
Sakai	29.95	760.8	29.96	761.0	36.9	3.8	66	n.	.....	.....	2	.....	10 ks	.....	nw.	0.012	0.3	covered	Yamawchi & Sakamoto.
Sapporo	29.72	754.9	29.79	756.7	20.0	— 6.7	100	calm	0	0	.....	.....	10 ns	.....	.....	0.657	16.7	cloudy	S. Kimura.
Shimonoseki	29.85	758.2	30.00	761.9	39.5	4.2	84	n.	.....	.....	1	.....	9s;ks	.....	nw.	0.126	3.2	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.59	751 7	29.07	753 6	45.2	7 3	50	ne.	10.2	4.6	.....	.....	10ks;s	....	ne.	0	0	cloudy	The Staff.
Wakayama	29.84	757.9	29.89	759.3	41.2	5.1	69	n.	3.5	1.6	.....	.....	10ck;ks	.....	n.	0	0	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.73	755.1	29.92	760.0	79.5	26.4	78	se.	4.5	2.0	.....	4cs;c	6 ks;kn	.....	ese.	0.29	7.4	cloudy	The Staff.
MEXICAN.																			
Leon	24.35	618.5	30.17	766 3	47.8	8.8	68	nnw.	0.9	0.4	.....	0	0	....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.74	755 3	30.00	762.0	64.0	17.8	86	ene.	0	0	.....	0	0	....	.....	0	0	dense haze.	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.85	758.1	29.85	758.1	38.3	3.5	.....	sse.	.....	.....	3	.....	.....	.....	.....	0.008	0.2	.....	
Groningen	29.84	757.9	29.89	759.3	35.6	2.0	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	29.87	758.8	29.87	758.8	34.9	1.6	.....	e.	.....	.....	2	.....	.....	.....	.....	0.157	4.0	.....	
Hellevoetsluis	29.85	758.3	29.85	758.3	34.3	1.3	99	se.	.....	.....	2	.....	.....	.....	.....	0.126	3.2	.....	
Utrecht	29.83	757.6	29.87	758.8	36.5	2.5	90	w.	.....	.....	1	.....	10	.....	.....	0.028	0.7	covered	H. van der Brink.
Sub-series.																			
Batavia, Java	29.78	756.4	.....	.....	82.4	28.0	78	nnw.	0.5	0.2	.....	.....	6	....	.....	0.051	1.3	.....	Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.93	760.3	30.00	761 9	37.8	3.2	50	nnw.	2	1	.....	.....	3	....	.....	0	0	.....	
Brono	30.01	762.2	30.05	763.2	38.1	3.4	66	calm	.....	.....	0	.....	0	....	.....	0	0	.....	
Christiania	29.97	761.3	30.13	765.3	34.7	1.5	57	e.	4	2	.....	.....	10	....	.....	0	0	.....	
Gjæsvær	30.09	764.3	30.11	764.9	37.4	3.0	.....	s.	.....	.....	4	.....	0	....	.....	0	0	.....	
Lodingen	30.04	762.9	30.08	764 1	30.1	2.3	75	calm	.....	.....	0	.....	0	....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	30.26	768.6	30.35	770.8	62.6	17.0	44	sw.	3.8	1.7	.....	.....	2	n.	.....	0.012	0.3	.....	
Ponta Delgada, Azores	29.62	752.3	29.96	761.0	51.4	10.8	73	n.	30.7	16.4	.....	.....	3	....	.....	0.488	12.4	.....	The Staff.
Saint Paul de Loando	30.41	772.3	30.48	774.1	60.1	15.6	64	wnw.	6.9	3.1	.....	.....	3	....	.....	0	0	.....	
St. Vincent, Cape Verd Ids.	30.02	762.4	30.05	763.3	68.0	20.0	60	e.	.....	.....	5	.....	9	....	.....	0	0	.....	
San Salvador, Congo	28.03	711.9	29.84	757.8	84.0	28.9	65	wsw.	.....	.....	2	.....	5	....	.....	0	0	.....	
Serra da Estrella	25.09	637.4	29.97	761.2	32.0	0.0	100	nnw.	16.1	7.2	.....	.....	10	....	.....	0.087	2.2	foggy	
RUSSIAN.																			
Akmolinski	29.09	738.8	30.32	770.1	— 7.4	—21.9	77	se.	7	3	.....	.....	0	0	.....	0	0	.....	Major K. Lasarew.
Archangel	30.09	764.2	30.11	764.7	24.1	— 4.4	79	nne.	4	2	.....	.....	0	5 ks	....	0	0	.....	Capt. Sselliwerstow.
Ashuruda	30.13	765.4	30.04	763.0	51.4	10.8	67	n.	11	5	.....	.....	0	1 k	....	0	0	.....	
Astrakhan	30.27	768.8	30.19	766.8	27.0	— 2.8	51	e.	4	2	.....	.....	0	1	....	.....	.....	.....	Capt. Wisganow.
Baku	30.11	764.8	30.06	763.6	47.7	8.7	63	sse.	4	2	.....	2 cs	0	0	....	0	0	.....	
Barnaul	29.93	760.3	30.52	775.2	—15.2	—26.2	73	calm	0	0	.....	.....	0	0	....	0	0	.....	Meteorological Office.
Bielosersk	29.58	751.4	30.08	764.0	20.4	— 3.1	69	nnw.	4	2	.....	.....	10 ks	....	.....	0	0	.....	
Dorpat	29.89	759.3	30.15	765.9	24.1	— 4.4	56	ese.	2	1	.....	4 c	0	....	.....	0	0	.....	Observatory.
Ekaterinburg	28.68	728.5	29.69	754.2	18.7	— 7.4	81	wsw.	27	12	.....	.....	10	....	.....	0	0	.....	Meteorological Obs'y.
Elissawetgrad	29.57	751.1	30.04	763.1	30.7	— 0.7	75	e.	7	3	.....	.....	10 s;n	....	.....	0	0	.....	
Kasan	29.70	754.3	29.98	761.5	27.7	— 2.4	57	wsw.	13	6	.....	2 c;ck	0	....	.....	0.055	1.4	.....	Observatory.
Kem	30.21	767.2	30.26	768.5	23.7	— 4.6	81	ne.	9	4	.....	.....	10 ks	....	.....	0	0	h'vy clouds	
Kerica	29.89	759.1	29.91	759.7	38.7	3.7	85	calm	0	0	.....	.....	10 n	....	.....	0	0	.....	Lagorio & Sastyrew.
Kieff	29.35	745.6	30.02	762.6	30.7	— 0.7	75	e.	7	3	.....	.....	10 n	....	.....	0	0	.....	Observatory.
Koslov	29.66	753.3	30.20	767.0	22.1	— 5.5	59	calm	0	0	.....	0	0	....	.....	0	0	.....	
Lgov	29.57	751.1	30.20	767.0	24.1	— 4.4	65	e.	9	4	.....	.....	0	....	.....	0	0	.....	R.I.Ssawoljew, Engin'r.
Libau	30.04	763.1	30.07	763.7	30.0	— 1.1	74	se.	2	1	.....	.....	10	....	.....	0	0	.....	L. Quass.
Lugan	29.87	758.8	30.09	764.3	25.5	— 3.6	60	ene.	18	8	.....	.....	9	....	.....	0	0	light clouds	Meteorological Obs'y.
Moscow	29.66	753.3	30.16	766.1	30.4	— 0.9	47	calm	0	0	.....	0	0	....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27.89	708.3	30.47	773.8	— 3.8	—19.9	72	calm	0	0	.....	.....	0	....	.....	0	0	.....	
Nikolaiev	29.91	759.8	29.98	761.6	33.8	1.0	85	e.	9	4	.....	.....	10 n	....	.....	0	0	.....	Capt. Kurdakow.

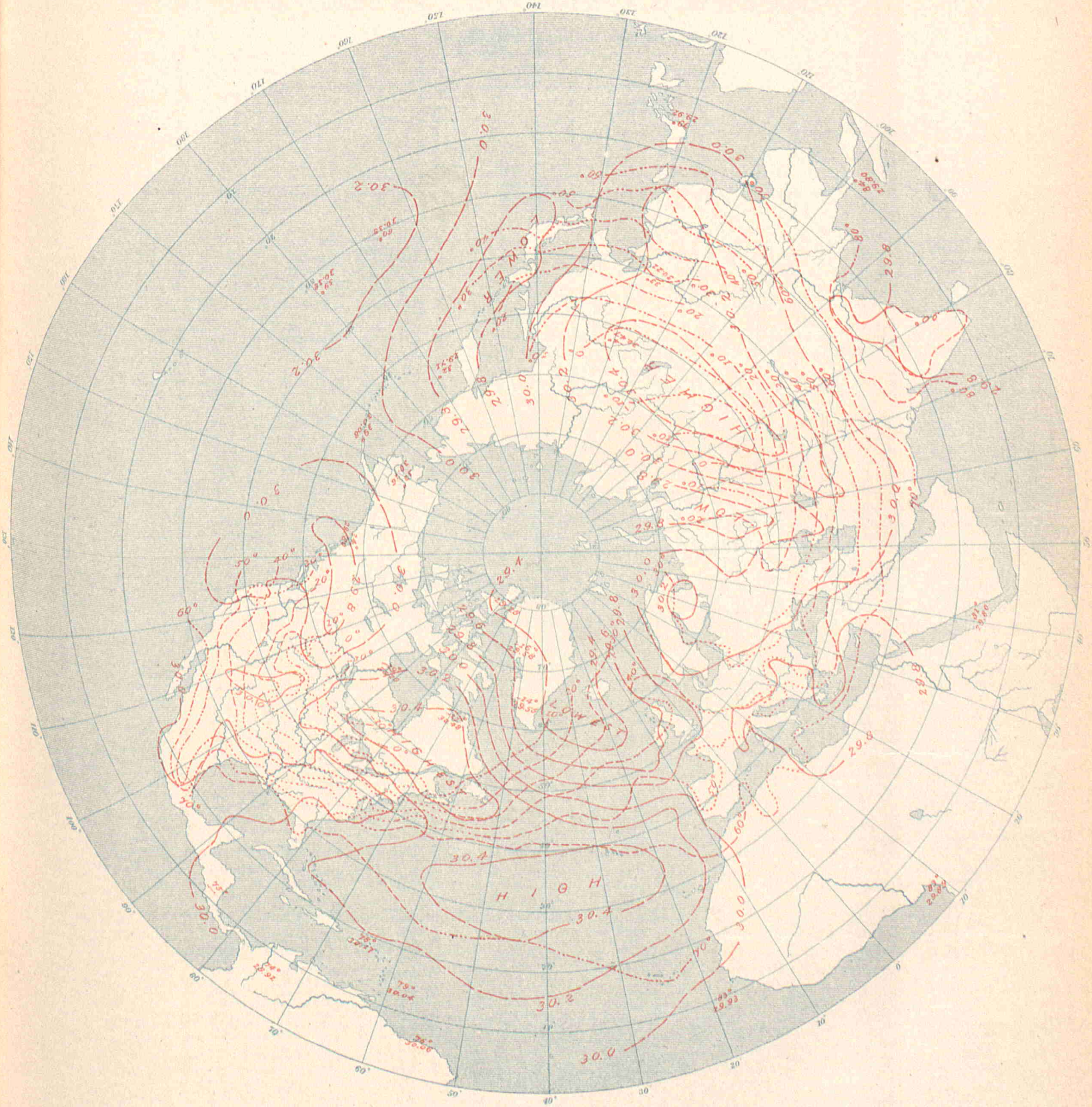
STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.93	760.2	30.02	762.4	10.8	—11.8	64	calm	0	0	.....	9 ck	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.07	763.8	30.21	767.4	33.3	0.7	58	sw.	3.4	1.5	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.87	758.8	30.24	768.2	36.1	2.3	33	ne.	3.4	1.5	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.89	759.2	30.10	764.5	26.6	— 3.0	80	calm	0	0	.....	10	.....	.....	.....	0.028	0.7	.....	Dr. Bergmann.
Pinsk	29.52	749.7	30.04	763.1	22.6	— 5.2	90	se.	7	3	.....	10 s	.....	.....	.....	0	0	.....	
Poti	29.88	758.9	29.91	759.7	48.9	9.4	98	calm	0	0	.....	10 n	.....	.....	.....	0	0	.....	
St. Petersburg	30.13	765.2	30.15	765.8	23.4	— 4.8	51	sw.	4	2	.....	10 n	.....	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.60	701 0	30.11	764.9	45.1	7.3	57	e.	7.8	3.5	.....	0	1 k	.....	.....	0	0	.....	Dresch.
Semipalatinsk	29.78	756.5	30.55	776.0	—13.5	—25.3	80	calm	0	0	.....	0	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.68	753.8	29.90	759.4	43.0	6.1	78	sw.	7	3	.....	10 n	.....	.....	.....	0.004	0.1	heavy cl'ds..	
Staroi Bykhov	29.50	749.3	30.09	764.3	23.2	— 4.9	71	se.	7	3	.....	10	.....	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.50	723.9	30.24	768.1	38.3	3.5	73	nw.	4	2	.....	3 ks	.....	.....	.....	.....	.....	light clouds	Terch, A. M.
Tiflis	28.62	727.0	30.08	764.0	42.4	5.8	58	sse.	4	2	.....	9	.....	.....	.....	0.079	2.0	.....	Physical Observatory.
Vernoe	27.58	700.5	30.22	767.6	27.5	— 2.5	63	w.	2	1	.....	0	8 k	.....	.....	.....	.....	.....	Larlono.
Viatka	29.19	741.4	29.85	758.1	26.2	— 3.2	65	w.	9	4	.....	10	.....	.....	.....	0	0	.....	
Vladivostock	29.96	760 9	30.02	762 6	15.6	— 9.1	56	une.	22	10	.....	10	.....	.....	.....	0	0	.....	
Warsaw	29.50	749.4	29.95	760.6	29.5	— 1.4	70	se.	11	5	.....	10 ks	.....	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.13	765.2	30.46	773.6	—12.3	—24.6	74	calm	0	0	.....	0	.....	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.53	750 0	30.05	763.3	27.6	— 2.4	34	wsw.	1.8	0.8	.....	0	0	.....	.....	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.72	755.0	29.84	757.8	52.9	11.6	81	se	.....	.....	.....	0	2	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.88	758.9	29.94	760.5	43.9	6.6	81	se.	1.1	0.5	.....	.....	10	.....	.....	0	0	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.94	684.2	29.96	761.0	44.6	7.0	71	n.	4.9	2.2	.....	.....	10	.....	.....	0	0	covered	Domingo Martin.
Madrid, Royal Obs'y	27.63	701.7	29.86	758.5	54.0	12.2	60	ne.	3.6	1.6	.....	0	8	.....	.....	0	0	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.68	753.9	29.80	757.0	64.2	17.9	71	se.	2.2	1.0	.....	4	5	ene.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.07	738.4	29.98	761 5	50.0	10.0	67	n.	9.8	4.4	.....	.....	9	.....	.....	0.177	4.5	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.07	763.7	30.13	765.4	71.9	22.2	91	se.	4.5	2.0	.....	.....	.....	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.87	758.6	29.92	760.0	79.0	26.1	83	ssw.	15.4	6.9	.....	1 ck	8	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.82	757.4	29.92	760.0	53.2	11.8	85	w.	10.1	4.5	.....	.....	10	.....	w.	0.330	9.9	raining	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	30.08	763.9	30.17	766.2	77.7	25.4	77	e.	14.5	6.5	.....	4 k	6 kn	e.	e.	0.043	1.1	raining	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.18	766.5	30.22	767.5	29.8	— 1.2	92	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	
Umea	30.11	764.9	30.17	766.2	30.6	— 0.8	77	n.	.....	.....	2	.....	9	.....	.....	0	0	.....	
Hernosand	30.11	764 9	30.17	766 2	29.1	— 1.6	76	w	.....	.....	2	.....	10	.....	.....	0	0	.....	
Stockholm	29.96	760.9	30.13	765 4	30.7	— 0.7	73	ene.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Wisby	30.02	762.4	30.08	763.9	31.3	— 0.4	81	e.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.03	762.8	30.12	765.c	31.1	— 0.5	69	ene.	4.7	2.1	.....	.....	10	.....	e.	0	0	.....	.....
SWISS																			
Geneva	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H.H.Hildebrandesson
TURKISH.																			
Constantinople	.....	.....	29.87	758.8	41.0	5.0	80	ne.	14	6.5	.....	.....	10	.....	ne.	0	0	.....	The Observatory.
Valona	.....	.....	29.80?	758.5?	61.5	16.4	.....	sw.	.....	.....	2	.....	2	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.68	753.8	63.1	17.3	78	sw.	.....	.....	2	.....	10 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	30.00	762 0	30.09	764.3	30	— 1.1	88	n.	7	3.1	.....	.....	10 n	.....	.....	0.82	20.8	sleeting	J. O. Barnes.
Alpena, Michigan	29.59	751.6	30.29	769 4	9.8	—12.3	80	e.	14	6.3	.....	.....	10 n	.....	.....	0.06	1.5	light snow,.	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.95	633 7	29.97	761.2	43.4	6.3	92	w.	7	3.1	.....	.....	10 s	.....	.....	0.20	5.1	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	26.96	684 8	29.97	761 2	—16.0	—26.7	38	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.81	731.8	30.02	762.5	56.5	13.6	92	sw.	10	4.5	.....	.....	10 n	.....	.....	1.85	47.0	heavy rain.	S. W. Beall.
Atlantic City, New Jersey	29.87	758.7	29.88	758.9	45.0	7.2	100	sw.	2	0.9	.....	.....	10 n	.....	.....	0.45	11.4	light rain	B.A.Blundon.
Augusta, Georgia	29.86	758.4	30.06	763 5	52	16.7	84	w.	1	0.4	.....	.....	10 n	.....	.....	0.50	12.7	light rain	W.J.Evans.
Baltimore, Maryland	29.90	759.4	29.95	760.7	41.0	5.0	78	n.	2	0.9	.....	.....	10s;fg	.....	.....	0.76	19.3	cloudy	Geo. W. Feiger.
Barnegat City, New Jersey	29.88	758.9	29.90	759 4	37.2	2.9	100	ne.	10	4.5	.....	.....	10n;fg	.....	ne.	0.38	9.7	thund'r st'm	J.P.Sherry.
Bennett, Fort, Dakota	28 45	722.6	30.15	765 8	2.4	—16.4	73	se.	4	1.8	.....	2 k	3 s	se.	se.	inap.	inap.	fair	A. Pritchard.
Benton, Fort, Montana	27.11	688.6	30.09	764.3	26.0	— 3.3	89	calm	0	0	.....	0	6 s	.....	n	0	0	fair	O.S.Bennett.
Bismarck, Dakota	28.18	715 8	30.10	764.5	— 6.0	—21.1	83	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.97	761.2	30.00	762 0	35.5	1.9	100	ne.	29	13.0	.....	.....	10 n	.....	.....	0.70	17.8	light rain	J. T. Elker.
Boise City, Idaho	27.22	691.4	30.14	765 5	29.2	— 1.6	74	sw.	4	1.8	.....	2 c	0	w.	.....	0.01	0.3	clear	James Kenealy.
Boston, Massachusetts	29.95	760.7	30.11	764.8	33.0	0.6	95	ne.	20	8.9	.....	.....	10n;fg	.....	ne.	0.25	6.3	heavy rain	O. B. Cole.
Brownsville, Texas	29.79	756.7	29.85	758.2	68.0	20.0	93	s.	9	4.0	.....	0	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.27	743.4	30.06	763.5	19.8	— 6.8	89	ne.	17	7.6	.....	.....	10 n	.....	.....	0.06	1.5	light snow	D.Cuthbertson.
Buford, Fort, Dakota	27.83	706.9	29.99	761.7	— 6.4	—21.3	86	se.	2	0.9	.....	0	0	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.59	751 6	30.01	762 2	29.0	— 1.7	88	n.	8	3.6	.....	.....	10 s	.....	n	0.25	6.3	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.83	757.7	30.03	762.7	35.2	1.8	79	ne.	10	4.5	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	29.91	759.7	29.93	760.2	63.0	17.2	100	s.	12	5.4	.....	.....	10 ks;fg	.....	s.	0.08	2.0	cloudy	A. K. Alderson.
Cape May, New Jersey	29.89	759.2	29.92	760.0	37.0	2.8	100	w.	8	3.6	.....	.....	fg.	.....	.....	0.09	2.3	dense fog	W.E.Smith.
Cape Mendocino, California	29.19	741.4	29.88	758.9	40	4.4	65	se.	23	10.3	.....	.....	10 s	.....	se.	0	0	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.06	763 5	30.08	764.0	67.0	19.4	100	s.	18	8.0	.....	.....	10s;fg	.....	s.	0.01	0.3	cloudy	G. W. Davis.
Charleston, S. Carolina	29.95	760.7	30.01	762.2	62.0	16.7	93	sw.	8	3.6	.....	0	8 s	.....	sw.	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.07	738.4	29.95	760 7	56.3	13.5	91	nw.	7	3.1	.....	.....	10 s	.....	n.	0.60	15.2	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.04	737.6	29.88	758.9	57.0	13.9	86	s.	5	2.2	.....	.....	10 s	.....	sw.	1.33	33.8	cloudy	B. L. Gouldinz.
Cheyenne, Wyoming	23.76	603 5	29.96	761 0	16.2	— 8.8	58	nw.	8	3.6	.....	0	0	.....	.....	0.00	1.5	clear	E. McGovern.
Chicago, Illinois	29.33	745.0	30.07	763.8	18.9	— 7.3	75	nw	18	8.0	.....	.....	10 s	.....	.....	0.16	4.1	cloudy	Wm. Norrington.
Chincoteague, Virginia	29.89	759.2	29.91	759 7	46.0	7.8	100	s.	9	4.0	.....	.....	fg.	.....	.....	0.11	2.8	dense fog	C. F. Dickens
Cincinnati, Ohio	29.24	742.7	29.93	760.2	32.1	0.1	93	ne.	4	1.8	.....	.....	10 s	.....	ne.	0.26	6.6	cloudy	L.Dunne.
Cleveland, Ohio	29.21	741 9	29.99	761.7	23.0	— 5.0	94	ne.	16	7.2	.....	.....	10 n	.....	ne.	0.05	1.3	light snow	W.Line.
Columbus, Ohio	29.04	737.6	29.93	760.2	27.8	— 2.3	83	nw.	.....	.....	2	.....	10 s	.....	nw.	0.18	4.6	cloudy	F.T. Williams
Concho, Fort, Texas	28.09	713.5	30.06	763 5	37.0	2.8	100	ne.	7	3.1	.....	.....	10 s	.....	.....	inap.	inap.	threatening	C. E. King.
Custer, Fort, Montana	26.70	678.2	30.04	763.0	— 9.4	—23.0	67	se.	9	4.0	.....	0	0	.....	.....	0	0	clear	W.J.Daily.
Davenport, Iowa	29.40	746.7	30.09	764 3	16.0	— 8.9	70	ne.	8	3.6	.....	.....	10 n	.....	.....	0.09	2.3	light snow	R. R. Martin.
Davis, Fort, Texas	25.16	639 1	30.03	762.7	46.6	8.1	90	sw.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty	28.24	717.3	30.06	763 5	26.9	— 2.8	76	s.	6	2.7	.....	0	0	.....	.....	0	0	clear	T.Gibson.
Deadwood, Dakota	25.15	638.8	29.99	761.7	10.0	—12.2	73	se.	3	1.3	.....	0	0	.....	.....	0.03	0.8	clear	G.W.Scott.
Delaware Breakwater, Del	29.89	759.2	29.91	759.7	38.0	3.3	100	nw.	7	3.1	.....	.....	10 s	.....	.....	0.23	5.8	cloudy	G.A.Martin.
Denver, Colorado	24.51	622 5	29.95	760 7	27.8	— 2.3	63	w.	12	5.4	.....	0	2 s	.....	w.	0.05	1.3	cloudy	E. M. Neal.
Des Moines, Iowa	29.20	741.7	30.16	766.1	13	—10.6	61	ne.	8	3.6	.....	.....	10 n	.....	ne.	0.13	3.3	light snow	F. W. Conrad.
Detroit, Michigan	29.32	744.7	30.08	764.0	19.5	— 6.9	91	n.	14	6.3	.....	.....	10 s	.....	n.	0.25	6.3	cloudy	N.B.Conger.
Dodge City, Kansas	27.39	695.7	30.12	765.0	10.5	—11.9	89	nw.	4	1.8	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy	J.E.Lanouette.
Dubuque, Iowa	29.42	747.3	30.17	766 3	10.5	—11.9	71	n.	7	3.1	.....	.....	10 n	.....	.....	0.20	5.1	light snow	J. Harvey Smith
Duluth, Minnesota	29.58	751.3	30.37	771.4	—10.4	—23.6	72	calm	0	0	.....	0	7 s	.....	.....	0	0	fair	E.R.Brace.
Eastport, Maine	30.29	769.4	30.36	771.1	19.5	— 6.9	91	ne.	22	9.8	.....	.....	10 s;fg	.....	ne.	0.20	5.1	heavy snow	D. C. Murphy.
Elliott, Fort, Texas	27.19	690.6	30.02	762.5	18.0	— 7.8	89	n.	7	3.1	.....	0	2 s	.....	.....	0	0	clear	J. C. Rickli.
El Paso, Texas	26.24	666.5	30.04	763.0	45.1	7.3	64	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.23	742.4	30.00	762.0	21.1	— 6.1	95	ne.	23	10.3	.....	.....	10 n	.....	.....	0.16	4.1	heavy snow	P. Wood.
Escanaba, Michigan	29.63	752.6	30.34	770.6	— 4.2	—20.1	75	n.	10	4.5	.....	10 cs	0	nw.	.....	0	0	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.54	750 3	30.03	762.7	31.0	— 0.6	88	n.	6	2.7	.....	.....	10 s	.....	.....	0.46	11.7	cloudy	J. B. Campbell.
Galveston, Texas	29.90	759.4	29.94	760 5	57.0	13.9	97	n.	16	7.2	.....	.....	10 n	.....	n.	0.11	2.8	light rain	E. O'C. Macinerney
Grand Haven, Michigan	29.45	748.0	30.15	765.8	15.0	— 9.4	86	ne.	16	7.2	.....	.....	10 s	.....	.....	0.11	2.8	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.22	640.6	30.06	763.5	41.3	5.2	73	se.	6	2.7	.....	3 ck	0	nw.	.....	0	0	clear	Chas. A. Read.
Hatteras North Carolina	29.98	761.5	30.00	762.0	62.2	16.8	100	s.	16	7.2	.....	.....	10 s	.....	s.	0.28	7.1	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.75	654.0	30.07	763.8	4.5	—15.3	66	nw.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.73	729.7	30.21	767.3	5.3	—14.8	55	se.	11	4.9	.....	.....	10 n	.....	.....	0.06	1.5	light snow .	S. W. Glenn.
Indianapolis, Indiana	29.09	738.9	29.93	760.2	25.0	— 3.9	73	ne.	6	2.7	.....	.....	10 s	.....	ne.	0.10	2.5	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.92	760.0	29.94	760.5	52.4	11.3	98	n.	23	10.3	.....	.....	10 s	.....	n.	inap.	inap.	cloudy	I. A. Reed.
Jacksonville Florida	30.02	762.5	30.06	763.5	69.0	20.6	93	s.	10	4.5	.....	hz.	9 s	.....	s.	inap.	inap.	cloudy	J. W. Smith.
Keokuk, Iowa	29.42	747.3	30.11	764.8	14.0	—10.0	83	n.	5	2.2	.....	.....	10 s	.....	n.	0.22	5.6	cloudy	F. Z. Gosewisch.
Key West, Florida	30.11	764.8	30.13	765.3	74	23.3	88	se.	9	4.0	.....	0	1 k	.....	se.	0	0	clear.....	J.J.Lackey.
Kittyhawk, North Carolina	29.96	761.0	29.98	761.5	61.8	16.6	97	sw.	22	9.8	.....	4 k	fg.	sw.	.....	0.14	3.6	fair.....	Wesley Blake.
Knoxville, Tennessee	28.83	732.3	29.89	759.2	56.4	13.6	84	sw.	14	6.3	.....	.....	10 s	.....	sw.	1.66	42.2	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.39	746.5	30.21	767.3	8.1	—13.3	76	ne.	5	2.2	.....	.....	10 n	.....	.....	0.08	2.0	light snow..	S. C. Emery.
Leavenworth, Kansas	29.20	741.7	30.14	765.5	14.4	— 9.8	82	n.	7	3.1	.....	.....	10 n	.....	.....	inap.	inap.	light snow...	C.Dill.
Lewiston, Idaho	29.24	742.7	30.10	764.5	25.0	— 3.9	74	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	O. E. Butler.
Little Rock, Arkansas	29.68	753.9	30.01	762.2	37.0	2.8	82	n.	4	1.8	.....	.....	10 s	.....	.....	1.06	26.9	cloudy	W.U.Simons.
Los Angeles, California	29.74	755.4	30.14	765.5	53.0	11.7	93	e.	4	1.8	.....	.....	10 s	.....	e.	0	0	cloudy.....	T. S. Collins.
Louisville, Kentucky	29.30	744.2	29.89	759.2	34.0	1.1	88	ne.	6	2.7	.....	.....	fg.	.....	.....	0.34	8.6	deuse fog....	E.B.Garriott.
Lynchburg, Virginia	29.19	741.4	29.91	759 7	44.0	6.7	88	calm	0	0	.....	.....	10 s	.....	sw.	0.77	19.6	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.61	752.1	30.31	769.9	7.0	—13.9	76	ne.	18	8.0	.....	.....	10 s	.....	n.	0	0	cloudy.....	D. B. Notson.
Macon, Fort, North Carolina	30.00	762.0	30.01	762.2	60.7	15.9	100	s.	22	9.8	.....	.....	10 n	.....	se	0.22	5.6	light rain....	William Daly.
Maginnis, Fort, Montana	25.35	643.9	29.95	760.7	15.4	— 9.2	51	nw.	20	8.9	.....	10 k	0	nw.	.....	0	0	cloudy.....	F. Burke.
Marquette, Michigan	29.63	752.6	30.40	772.1	— 7.5	—21.9	58	nw.	8	3.6	.....	4 cs	0	nw.	.....	0	0	fair.....	J. Gilligan.
Memphis, Tennessee	29.62	752 3	29.97	761.2	36.0	2.2	74	nw.	10	4.5	.....	.....	10 n	.....	.....	0.65	16.5	light rain....	D. T. Flannery
Milwaukee, Wisconsin	29.37	746.0	30.16	766.1	17.1	— 8.3	85	ne.	19	8.5	.....	.....	10 n	.....	.....	0.34	8.6	light snow.	S.W.Rhode.
Mobile, Alabama	29.90	759.4	29.94	760.5	61.8	16.6	93	n.	7	3.1	.....	.....	10 s	.....	n.	0.38	9.7	cloudy.....	H. U. Jones.
Montgomery, Alabama	29.69	754.1	29.93	760.2	58	14.4	96	se.	13	5.8	.....	.....	10 n	.....	sw.	1.53	38.9	light rain....	S.M.Leitzell.
Moorhead, Minnesota	29.19	741 2	30.26	768.6	—14	—25.6	90	s.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	H. Bessant.
Mt. Washington, N. H	23.69	601.7	30.21	767.3	19.0	— 7.2	100	e.	22	9.8	.....	.....	10 n	.....	.....	0.09	2.3	light snow...	J.H.Melton.
Nashville, Tennessee	29.32	744.7	29.92	760 0	39.0	3.9	92	w.	8	3.6	.....	.....	10 n; fg	.....	w.	0.46	11.7	light rain....	L. N. Jesunofsky.
New Haven, Connecticut	29.87	758.7	29.99	761 7	31.8	— 0.1	100	ne.	11	4.9	.....	.....	10 n	.....	ne.	0.50	12.7	light rain....	J. H. Sherman.
New London, Connecticut	29.97	761.2	30.02	762.5	35.0	1.7	100	n.	8	3.6	.....	.....	10 n	.....	n.	0.59	15.0	heavy rain..	J. G. Lynch.
New Orleans, Louisiana	29.83	757.7	29.89	759.2	70.0	21.1	94	sw.	9	4.0	.....	.....	10 s; fg	.....	sw.	0.08	2.0	cloudy.....	M. Herman.
New York, New York	29.78	756.4	29.96	761.0	33.2	0.7	100	ne.	14	6.3	.....	.....	10 n	.....	.....	0.58	14.7	heavy rain..	W. Finn.
Norfolk, Virginia	29.86	758.4	29.90	759.4	59.6	15.3	100	s.	10	4.5	.....	.....	10 n	.....	.....	0.01	0.3	heavy rain..	Wm. Davis.
North Platte, Nebraska	26.99	685.5	30.05	763.3	8.6	—13.0	82	calm	0	0	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	E.F.Brady.
Olympia, Washington Ter	30.00	762.0	30.04	763.0	29 0	— 1 7	88	calm	0	0	.....	10 k	0	w.	.....	0	0	cloudy.....	J. Dascomb
Omaha, Nebraska	28.97	735.8	30.22	767 6	8.0	—13.3	80	n.	6	2.7	.....	.....	10 s	.....	.....	inap.	inap.	cloudy.....	A. Pollak
Oswego, New York	29.71	754.6	30.05	763.3	22.0	— 5.6	94	ne.	20	8.9	.....	.....	10 n	.....	.....	0.15	3.8	light snow..	J. G. Linsley.
Palestine, Texas	29.44	747.8	30.01	762.2	43.3	6.3	100	nw.	9	4.0	.....	.....	10 s; fg	.....	.....	0.30	7.6	cloudy.....	P. T. Jenkins.
Pensacola, Florida	29.88	758.9	29.90	759.4	69.3	20.7	95	sw.	26	11.6	.....	.....	10 n	.....	sw.	0.13	3.3	thund'r st'm	M. McGauran.
Philadelphia, Pa	29.84	757.9	29.94	760.5	35.0	1.7	100	ne.	13	5.8	.....	.....	10 n	.....	ne.	0.76	19.3	light rain....	T. F. Townsend.
Pike's Peak, Colorado	17.37	441.2	29.96	761.0	— 7.0	—21.7	74	w.	15	6.7	.....	.....	10 s	.....	.....	0.03	0.8	cloudy.....	H. Hall.
Pittsburg, Pennsylvania	29.03	737.3	29.88	758.9	37.5	3.1	94	w.	4	1.8	.....	.....	10 n; fg	.....	w.	0.44	11.2	light rain....	O. D. Stewart
Port Huron, Michigan	29.38	746.2	30.10	764.5	15.6	— 9.1	87	n.	23	10.3	.....	.....	10 s	.....	.....	0.03	0.8	cloudy.....	M. H. Perry
Portland, Maine	30.20	767 1	30.25	768.3	25.5	— 3.6	88	ne.	21	9.4	.....	.....	10 n	.....	ne.	0.24	6.1	light snow..	W. W. Eichelberger.
Portland, Oregon	29.94	760.5	30.02	762.5	29.7	— 1.3	82	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog....	M. L. Hearn..
Prescott, Arizona	24 74	628.4	30.08	764.0	40.5	4.7	89	s.	10	4.5	.....	0	8 s	.....	w.	0	0	cloudy	N. D. Lane.
Provincetown, Mass	30.04	763.0	30.07	763.8	36	2.2	100	e.	11	4.9	.....	.....	10 n	.....	.....	0.33	8.4	light rain ..	C. N. Kitchel.
Red Bluff, California	29.69	754.1	30.06	763.5	48	8.9	100	s	4	1.8	.....	.....	10 ks	.....	s.	0.02	0.5	cloudy.....	J. R. Williams.
Rio Grande City, Texas	29.66	753.4	29.90	759.4	65.0	18.3	93	se.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	L. G. Schultz.
Rochester, N. Y	29.37	746.0	30.07	763.8	22	— 5.6	93	e.	16	7.2	.....	.....	10 n	.....	.....	0.37	9.4	heavy snow	E. W. McGann.
Roseburg, Oregon	29.43	747.5	29.99	761.7	30	— 1.1	81	calm	0	0	.....	1 cs	0	w.	.....	0.03	0.8	clear.....	J. J. Nanry.
Sacramento, California	29.98	761.5	30.05	763.3	51.0	10.6	96	s.	7	3.1	.....	.....	10 n	.....	se.	0.43	10.9	light rain....	J. A. Barwick.
St. Louis, Missouri	29.38	746.2	30.04	763.0	20.2	— 6.6	82	n.	12	5.4	.....	.....	10 s	.....	n.	0.21	5.3	cloudy.....	J. H. Weber.
St. Michael, Fort, Alaska	30.12	765.0	30.16	766.1	33	0.6	100	sw	10	4 5	.....	.....	fg.	.....	.....	0.13	3.3	dense fog....	Fred. H. Clarke
St. Paul, Minnesota	29.35	745.5	30.26	768 6	4.0	—15.6	100	calm	0	0	.....	4 cs	0	nw.	.....	inap.	inap.	fair.....	P. F Lyons.
St. Vincent, Minnesota	29.31	744.5	30.25	768.3	—13	—25.0	76	se.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	C. B. Dilley.
Salt Lake City, Utah	25.68	652.3	30.20	767.1	28.2	— 3.2	56	calm	0	0	.....	0	0	.....	.....	0.34	8.6	clear.....	J. Craig.
San Diego, California	30.07	763.8	30.14	765.5	56.7	13.7	84	w.	3	1.3	.....	.....	10 s	.....	w.	0.01	0.3	cloudy.....	F. R. Day.
Sandusky, Ohio	29.33	745.0	30.05	763.3	22	— 5.6	88	n.	24	10.7	.....	.....	10 n	.....	ne.	0.05	1.3	light snow..	B. F. Hough.
Sandy Hook, New Jersey	29.93	760.2	29.96	761.0	34.8	1.6	100	ne.	8	3.6	.....	.....	10 n	.....	.....	0.60	15.2	light rain....	V.P.Chappel.
Sanford, Florida	30.04	763.0	30.09	764.3	72.0	22.2	82	s.	12	5.4	.....	5 k	0	se.	.....	0.05	1.3	fair.....	J. B. Marbury
San Francisco, California	29 93	760.2	30 00	762.0	52.9	11.6	94	se.	11	4.9	.....	.....	10 n; fg	.....	se.	0.85	21.6	heavy rain..	N. Gorom
Savannah, Georgia	29.92	760 0	30.01	762.2	66	18.9	89	s.	12	5.4	.....	0	5 ks	.....	s.	inap.	inap.	fair.....	H.W.Ford.
Shaw, Fort, Montana	26.19	665.2	29.99	761.7	22	— 5.6	61	sw.	19	8.5	.....	0	0	.....	.....	0	0	clear	A.L.Mathews.
Shreveport, Louisiana	29.78	756.4	29.96	761.0	42.1	5.6	92	n.	8	3.6	.....	.....	10 s	.....	n.	1.05	26.7	cloudy.....	E.N.Meekins.
Sitka, Alaska	29.74	755.4	29.80	756.9	33.5	0.8	74	ne.	4	1.8	.....	3 c	0	ne.	.....	0	0	clear.....	F. W. Fickett.
Smithville North Carolina	29.96	761.0	30.00	762.0	59.8	15.4	96	sw.	24	10.7	.....	hz.	1 s	.....	sw.	0.09	2.3	clear.....	O. Parker.
Spokane Falls, Wash. Ter.	27.92	709.2	30.05	763.3	15.3	— 9.3	76	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	D.Moore.
Springfield, Illinois	29.28	743.7	30.00	762.0	22.4	— 5.3	93	n.	9	4.0	.....	.....	10 n	.....	.....	0.60	15.2	light snow..	T. B. Jennings.
Stockton, Fort, Texas	26.92	683.8	30.00	762.0	43.5	6.4	89	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	J.W.Byram.
Tatoosh Id., Wash. Ter	29.67	753.7	29.97	761.2	37.0	2.8	82	se.	16	7.2	.....	0	8 ks	.....	e.	inap.	inap.	cloudy.....	R. Connor.
Thomas, Camp, Arizona	27.31	693.7	30.09	764.3	51.5	10.8	86	n.	.....	.....	1	.....	10 s	.....	.....	0.12	3.0	cloudy	R. C. Lord.
Toledo, Ohio	29.30	744.2	30.03	762.7	18	— 7.8	93	ne.	16	7 2	.....	.....	10 n	.....	ne.	0.20	5.1	light snow...	A. Buell.
Unalashka, Alaska	30.06	763.5	30.08	764.0	39	3.9	73	s.	12	5.4	.....	6 cs	0	.....	.....	0	0	fair.....	Samuel Applegate
Vicksburg, Mississippi	29.69	754.1	29.95	760.7	45	7.2	93	n.	4	1.8	.....	.....	10 s; fg	.....	n.	1.56	39.6	cloudy.....	F.W.Mixer.
Washington, D. C	29.82	757.4	29.94	760.5	35.1	1.7	98	ne.	3	1.3	.....	.....	10 cs; fg	.....	.....	0.63	16.0	cloudy.....	T. B. Harrison.
West Las Animas, Colorado	25.90	657.8	29.97	761.2	10.2	—12.1	100	sw.	3	1.3	.....	.....	10 s	.....	sw.	0.08	2.0	cloudy.....	F. H. Brandenburg
Wilmington, N Carolina	29.93	760.2	29.99	761.7	65.0	18.3	93	sw.	15	6.7	.....	.....	10 s	.....	sw.	0.28	7.1	cloudy.....	L.H.Albrecht.
Yankton, Dakota	28.83	732.3	30.22	767 6	5.9	—14.5	64	se.	6	2.7	.....	.....	10 n	.....	.....	0.03	0.8	light snow..	E. H. Thompson.
Yuma, Arizona	29.88	758.9	30.03	762.7	55.5	13.1	62	w	11	4.9	.....	0	1 s; hz	.....	w.	0	0	clear.....	W.S Delano.
Sub-series.																			
BehringIsland, Kamchatka	29.69	754.1	29.71	754.6	31.5	— 0.3	75	s.	15	6.7	.....	.....	10 n	.....	s.	0.04	1.0	cloudy.....	George Cherunick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	80	26.7	.....	n.	.....	.....	4	0	7 ks	.....	n.	0.15	3.8	cloudy	W. H. Jackson.
Bogota, U. S. C.	22.00	558.9	.....	.....	55 4	13.0	93	calm	0	0	.....	3 fc	3 k	ne.	s.	0.902	22.9	... .	Joaquin Gomez.
Chimo, Fort, Ungava	30.32	770.1	30.48	774.2	—21	—29.4	100	s.	11	4.9	.....	5 c	0	s.	.....	0	0	fair.....	L.M.Turner.
Kingston, Jamaica, W. I	.....	.....	30.10	764.5	72.0	22.2	77	n.	1	0.4	.....	0	1 ks	.....	.....	0	0	clear.....	Robert Johnstone.
Paramaribo, S. A	30.06	763.5	30.06	763.5	75.5	24.2	88	ne.	.....	.....	2	.....	10 n	e.	e.	3.780	96.0	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.36	745.7	29.92	760.0	74	23.3	94	calm	.....	.....	0	.....	10 ks	.....	s.	0.80	20.3	cloudy.....	Francisco J. Olmeros.
Rivas, Nicaragua, C. A.	.....	.....	.....	.....	75	23.9	78	ne.	.....	.....	2	.....	.....	.....	.....	0	0	clear.....	Earl Flint.
York Factory, B. A	30.13	765.3	30.20	767.1	—29.0	—33.9	.....	n.	7	3.1	.....	3 k	4 s	n.	n.	.....	.....	snowing.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.00	762.0	30.01	762.2	70.3	24.6	90	n.	0.2	0.1	.....	.....	9 k	.....	n.	0.039	1.0	....	P. Fasiani.
Naos, Bay of Panama	29.95	760.7	30.02	762.4	71.2	21.8	94	nw.	.....	.....	3	.....	.....	.....	.....	0	0	clear.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic																	
S. S. Arizona, N. 43° 58′, W. 44° 20′	30.40	772.1	42	5.6		nnw.			3		8	nw.	4 h'r	4 h'r	mod.	nw.	fair.
S. S. Adriatic, N. 49° 44′, W. 21° 05′						nw.			7			w.			high	nw.	stormy.
S. S. Armenia, N. 43° 30′, W 46° 20′ *	30.33	770.4	45	7.2	76	n.			4		5	nne.	0	0	mod.	wsw.	fair.
S. S. Antonio Lopez, N. 22° 56′, W. 50° 45′	30.33	770.4	72	22.2	76	ene.			5		3		0	0	r'gh	ene.	fair.
S. S. America, N. 45° —′, W. 34° —′ *	30.15	765.8	53	11.7	67	nnw.			3		4?	nnw.	0	0	high	nw.	overcast ?
S. S. Athos, N. 11° 40′, W. 75° 14′						ene.			6		0		0	0			clear.
S. S. Britannic, N. 41° 59′, W. 56° 00′			40	4.4		wnw.			4		9	w.	6 h'r	6 h'r	long	nw.	raining.
S. S. City of Augusta, Savannah, Gat	30.02	762.5				s.			4		10	sse.	0	0			smoky
S. S. Caracas, Curacoa, W. I*†	30.10	764.5	78.5	25.8	84	e.			4		3	ene.	0	0	sm'h		fair.
S. S. Celtic, Liverpool, Eng						wnw.			4		10	w.	8 h'r	8 h'r			light rain.
S. Dora, N. 40° 11′, W. 56° 01′ *†	30.36	771.1	64.4	18.0		ne.			2		6	une.	12 h'r	12 h'r	light	w.	fair
S. S. Donau, N. 47° 02′, W. 35° 37′						w.			6		9	w.	8 h'r	8 h'r	r'gh	w.nw	squally.
S. S. France, N. 41° 04′, W. 55° 43′ *†	30.34	770.6				e.			5		10	e.				e.	covered.
Bk. Fred W. Carlon, N. 26° 00′, W. 83° 53′†	30.10	764.5				se.			4		2	se.	0	0	mod	ese.	light fog.
S. S. Gallia, N. 42° 28′, W. 49° 10′	30.30	769.6	44	6.7		ne.			4		8	n.	0	0	light	nw.	fair.
S. S. Gellert, N. 41° 59′, W. 54° 25′	30.31	769.9	46.0	7.8	92	ene.			2		3	ene.	4 h'r	4 h'r	high	e.	clear.
Bk. Godeffroy, N. 30° 46′, W. 69° 08′	30.31	769.9	69.4	20.8	92	sse.			3–4		3	s.	rain	rain	mod.	s	clear.
S. S. George S. Thomas, N. 9° 05′, W. 44° 04′						ne.			5		1	ene.	0	0	r'gh	ne.	clear.
S. S. Iowa, off Gt Ormes Head, Wales			41	5.0		w.			3		6	w.	0	0	sm'h	w.	fair.
Bg. L. F. Munson, Matanzas, Cuba, W.I*†	30.16	766.1	76	24.4		calm			0		fg		0	0			foggy.
Bg. Lilian, N. 28° 24′, W. 71° 45′ †	30.32	770.1	75	23.9		se.			4		1	se.	0	0	mod	se.	clear.
S. S. Main, N. 46° 39′, W. 68° 33′	30.04	763.0	44.6	7.0		sw.			10		10	sw.	10 h'r	10 h'r	mod.	sw.	foggy
S. S. Nurnberg, N. 45° 53, W. 45° 42′			40.1	4.5		nw.			3–4		9	nw.	0	0	r'gh		cloudy.
S. S. Nessmore, Liverpool, Eng			52?	11.1?	86	var.			2		4	sw.	12 h'r	12 h'r			fair.
Schr. Norena, N. 27° 17′, W. 70° 16′ *†	30.28	769 1				e.			4		2	sse.	2 h'r	2 h'r	mod.	ne, e	fine.
S. S. Orinoco, N. 35° 16′, W. 67° 45′			66	18.9		ssw.			4		3	ssw.	3 h'r	3 h'r	long	wsw.	hazy.
Bk. Orpheus, N. 43° 19′, W. 41° 42′ *	30.31	769.9	53	11.7		ne.			1		10 k	nw.	4 h'r	4 h'r	sm'h		cloudy.
S. S. Pennsylvania, N. 39° 37′, W. 54° 00′†	30.35	770.9	66	18.9	94	ssw.			6		8	w.	9 h'r	9 h'r	h'vy	sw.	cloudy.
S. S. Rhaetia, N. 49° 52′ W. 10° 59′	29.68	753.9	44	6.7		s.			7		10	s.	2 h'r	2 h'r	h'vy	s.	cloudy.
Bg. Rising Sun, N. 29° 40′, W. 73° 43′ *†	30.22	767.6	75	23.9		s.			4		3	s.	0	0	long	ese.	clear
S. S. Salerno, Hull, Eng			40	4.4		ssw.			2		10	ssw.	0.5	13.			raining.
S. S. Salier, N. 47° 04′, W. 33° 57′	30.14	765.5				nw.			5		5	nnw.	0	0	high	w.	fair.
S. S. Silesia, N. 49° 40′, W. 17° 30′	29.64	752 8	44	6.7	100	w.			7–9		8	w.	4 h'r	4 h'r	h'vy		raining.
S. St. David, N. 50° 29′, W. 15° 20′			57.3?	14.1?	81	wnw			8		6	w.	3 h'r	3 h'r	h'vy	w.	
S. S. The Queen, N. 41° 15′, W. 60° 08′	30.30	769.6	52	11.1		ese.			5		10	se.			sm'h	s.	overcast.
Bk. Tuck Sing, N. 19° 35′, W 77° 14′*†	30.09	764.3				e.			2		5	se.	0	0	mod	ese.	fine.
S. S. Venetian, N. 50° 15′, W 23° 07′*	29.74	755.4	44	6.7		w.			10		8	w.	9 h'r	9 h'r	high		squally.
S. S. Westernland, Scheldt river, Belgium	29.85	758.2	37	2.8	82	se.			3		10	se.	0	0			foggy.
S. S. W. A. Scholten, N. 47° 32′, W. 29° 30′	29.97	761.2	41.9	5.5	77	nw.			9			nw.	7 h'r	7 h'r	8	w.	squally.
S. S. Weser, N. 40° 29′, W. 71° 34′	29.96	761.0	42.8	6 0		sse.			2		10	ene.	3 h'r	3 h'r	mod.	sse	foggy.
S. S. Zeeland, N. 49° 13′, W. 15° 04′ *†	29.58	751.3	48	8.9		wsw.			6		10	wsw.	rain	rain	long	wsw.	dull.
S. S. Australia, N. 41° 10′, W. 44° 35′†	30.34	770.6	60	15.6		nnw.			3		6	w.	3 h'r	3 h'r	mod.	w.	light show'rs
Bk. George Davis, N. 50° 36′, E. 0° 17′*†	29.80	756.9				sse.			3			s				wsw.	hazy.
Schr. Adda Doane, N. 37° 10′, W. 73° 05′†	30.04	763.0				ssw.			3		fg.		2 h'r	2 h'r	sm'h		foggy.
S. S. Chalmette, New York. N. Y *†	29.97	761.2	36	2.2		s.			4		10	nne.	10 h'r	10 h'r			cloudy.
S. S. Erin, N. 49° 21′, W. 11° 20′ †	29.65	753.1	48	8.9		sw.			6		10	sw.	2 h'r	2 h'r	short	wsw.	drizzling.
S. S. Grecian, N. 42° 08′, W. 59° 00′	30.31	769.9	42	5.6	100	e.			4		10		1 h'r	1 h'r	light	se.	foggy.
Schr. Jas. Slater, N. 21° 47′, W. 46° 17′			76	24.4		e.			5		2	ese.	½ h'r	½ h'r			
Bg. John Wesley, N. 35° 38′, W. 70° 41*†	30.15	765.8				sw.			6		5	sw.	4 h'r	4 h'r	r'gh	ssw.	misty.
S. S. Lone Star, N. 33° 15′, W. 78° 01′*†	30.02	762.5	68	20.0		ssw.			5		10	sw.	3 h'r	3 h'r	large	ssw.	smoky
S. S. Lessing, N. 41° 06′, W. 61° 21′	30.08	764.0				e.			3		9	e.	0	0	mod.	ene.	overcast.
S. S. Ohio, (Am.) Philadelphia, Pa †	29.93	760.2	34.5	1.4	95	n.			1		10	nw.	14 h'r	14 h'r			overcast.
S. S. st. Laurent, N. 44° 56′, W. 44° 12′	30.24	768.1	41.9	5.5		nw.			2		9	nw.	0	0	large	wsw.	cloudy
Schr. Viola Reppard, N. 40° 35′, W. 69° 28′			40	4.4		e.			3		10	e.	2 h'r	2 h'r	mod.	e.	raining.
Bk. Western Chief, N. 46° 10′, W 24° 36′*†	29.95	760.7				nw.			5		3 k	nw.			5	nw.	clear.
S. S. Werra, N. 49° 50′, W. 17° 26′*	29.62	752.3	42.8	6.0		wnw.			7–8		10	wnw.	2 h'r	2 h'r	high	wnw.	squally.
U. S. Navy Yard, Portsmouth, N. H			24	—4.4	100	ne.	22	9.8			10	ne.					hailing.
U. S. S. Galena, N. 29° 40′, W. 77° 02′ *	30.13	765.3	73	22.8	85	sse.			4		2	sse.			sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	30.03	762.7	40	4.4		ne.			2		10	ne.					rainy.
U. S. S. Powhatan, Port Royal, S. C	30.00	762.0	58	14.4	100	ssw.			3		8						foggy.
U. S. S. Quinnebaug, Leghorn, Italy	29.74	755.4	55	12.8	74	nw.			1		2	n.			sm'h		fair.
U. S. S. Saratoga, New York, N Y	30.00	762.0	32	0.0	100	ne.			2		10	ne.	h'vy	h'vy	sm'h		raining.
U. S. S. Tennessee, N. 19° 22′, W. 96° 00′	29.86	758 4	76	24.4	82	ssw.	12	5.4			0		0	0	mod.	ssw.	clear.
U. S. S Yantic, Port Royal, S.C	30.00	762.0	64	17.8	83	ssw.			2								fair.
H. M. S. Alexandra, N. 33° 29′, E. 28° 04′	29.76	755.9	65	18.3	78	nw.			2		10	nw.			sm'h		overcast.
H. M. S. Alecto, N. 4° 02′, E. 9° 39′	29.88	758.9	80	26.7		wsw.			2		2						d. clouds.
H. M. S. Boadicea, Fernando Po, W. Africa	29.89	759.2	83	28.3	96	calm			0		6				1	ssw.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.37	771.4	66	18.9	79	sse.			4		3	sse.					d. clouds
H. M. S. Himalaya, N 36° 10′, W. 19° 50′	30.39	771.9	62	16.7	72	n.			3		9				1	wnw.	d. clouds.
H. M. S. Minotaur, Suda Bay, Mediterranian	29.85	758.2	54	12.2	90	ese.			1		10						raining.
H. M. S. Myrmidon, N. 37° 16′, E. 10° 41′			59	15.0	76	wnw.			3		5				2	wnw.	d. clouds.
H. P. M. S. Bengo, N. 8° 49′, W. 18° 41′	29.93	760.2	73.4	23.0	83	n.			4		0		0	0			blue sky.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.87	758 7	84.6	29.2	85	nnw.			2		8	nw.	4 h'r	4 h'r	2	nw.	drizzling.
S. S. British Prince, N. 39° 29′, W. 57° 42′†	30.25	768.3	67	19.4	95	w.			6		10	w.	14 h'r	14 h'r	mod.	w.	heavy rain.
S. S. Circassian, N. 44° 30′, W. 63° 25′	30.39	771.9	25	— 3.9		ene.			5		10	e.			3	ese.	snowing.
S. S. Scandinavian, Portland, Maine	30.26	768.6	28	— 2.2		nne.			3		10		light	light			snowing.
S. S. Sardinian, N. 49° 51′, W. 29° 16′	29.80	756.9	44	6.7		nw.			6		2	nw.	0	0	mod.	nnw.	clear.
S. S. Dorian, N. 41° 30′, W. 9° 53′	29.98	761.5	58	14.4		n.			6		4	n.	0	0	mod	nw.	fine.
S. S. Furnessia, N. 43° 22′, W. 46° 34′ *†	30.40	772.1	48	8.9		w.			3		0		0	0	sm'h	nw.	clear.
S. S. Galatia, N. 38° 32′, E. 15° 25′*†	29.83?	757.7?	58	14.4		nw.			2		6	nw.	10 h'r	10 h'r	light	nne.	fine.
S. S. Wyoming, N. 44° 06′, W. 43° 53′	30.33	770.4	40	4.4		nw.			2		7	nw.	0	0	mod.	nne.	cloudy.
S. S. Bohemia, N. 40° 36′, W. 52° 38′						e.			2–6		9	e.s.	6 h'r	6 h'r	mod	se	cloudy.
S. S. Westphalia, New York, N. Y	29.98	761.5	34	1.1		ne.			3		10		2 h'r	2 h'r	sm'h		covered.
S. S. Virginian, N. 49° 26′, W. 26° 00′			34	1.1		w.			9			w.	4 h'r	4 h'r	h'y	w.	hail & snow.
S. S. Archimedes, (Br) N. 14° 12′, W. 25° 56′	30.03	762.7				nne.			6		8	ne.	0	0	high	ne.	cloudy.
S. S. Teniers, N. 9° 40′, W. 26° 16′	30.01	762.2	76.8	24.9	66	nne.			6	0	7 ks		0	0	4	nne.	d. clouds.
S. S. Archimede, (It.) N. 40° 10′, W. 73° 46′†	29.90	759.4				ne.			4		8	ne.	8 h'r	8 h'r	mod.	ese.	cloudy.
S. S. Picqua, Lisbon, Portugal †	29.98	761.5	54	12.2	74	nw.			1			nw.	0	0			cloudy.
S. S City of Merida, N. 34° 30′, W. 76° —′						ssw.			5		10	sw.	1 h'r	1 h'r	h'vy	sw.	squally.
S. S. Helvetia, N. 40° 28′, W. 64° 51′			50	10.0		e.			1		2	e.	0	0	sm'h		clear.
S. S. Italy, N. 44° 24′, W. 45° 00′*	30.29	769.4	43	6.1	83	nnw.			3		2	nnw.	2 h'r	2 h'r	long	wsw.	clear.
S. S. Muriel, N. 19° 26′, W. 64° 00′			78	25.6		e.			3		0		0	0	long	e.	clear.
S. S. Pennland, New York, N. Y	29.97	761.2	34	1.1	90	n.			6				14 h'r	14 h'r			raining.
S. S. Vaderland, N. 48° 50′, W. 19° 00′ †	29.77	756.1	50	10.0		nw.			6		5	nw.	10 h'r	10 h'r	high	nw.	
S. S. Waesland, N. 45° 51′, W. 33° 32′	30.20	767.1	49	9.4		wnw.			8		4	wnw.	3 h'r	3 h'r	h'vy	wnw.	d. clouds
S. S. Amsterdam, N. 40° 44′, W. 65° 33′*	30.10	764 5	55.8	13.2	93	s.			1		10		0	0			dense fog.
S. S. Maasdam, N. 39° 57′, W. 63° 02′*	30.26	768.6	63.5	?17.5?	97	e.			1		5?	e.	1½h'r	1½h r	1	s.	cloudy.?
S. S. State of Nevada, N. 52° 27,′ W. 20° 00′			38	3.3		nnw.			7		10	wnw.	0	0	h'vy	nw.	heavy gale.
S. S. Saxon, Philadelphia. Pa *†	29.95	760.7	35	1.7		ene.			2		10		rain	rain			raining.
S. S. Republic, N. 46° 24′, W. 27° 08′ †	29.98	761.5	46	7.8	92	wnw.			6		7	wnw.	0	0	h'vy	wnw.	squally.
S. S. Marengo, N. 40° 27′, W. 47° 00′†	30.38	771.6	56	13.3		var.			1		1	n.	7 h'r	7 h'r	sm'h	sw.	
S. S. Rialto, N. 42° 28′, W. 66° 09′			40	4.4		ene.			5		10	e.	2 h'r	2 h'r	sm'h	e.	hazy.
Schr. Arthur Burton, N. 31° 57′, W. 74° 35′						ssw.			3		7	ssw.	0	0	r'gh	s.	threatening.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																	
Bgt. Achsah, Port of Trinidad, W. I†	30.03	762.7	79	26.1		calm			0			ene.	0	0			clear
S. Annie, N. 25° 22′, W. 36° 44′*	30.31	769.9				ene.			6		2	ene.			long	nnw	showery.
Schr. Abbie H. Gheen, Georgetown, S. C*†	30.06	763.5	61	16.1		ssw.			3		7						clear.
Bk. Alpha, N. 38° 40′, W. 19° 50′ *†	30.32	770.1	58	14.4		wnw.			6		4	nw.	0	0	long	nw.	clear.
Bk. Achille F, N. 23° 30′, W. 42° —′ *†	30.37	771.4	70.5	21.4	73	e.			6		5	e	0	0	long	nw.	fair.
Bk. Bore, N 41° 49′, W. 14° 59′ *†	30.22	767.6	58	14.4		wsw.			4		3	w.	0	0	mod.	wnw	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.99	761.7	77	25.0		ne.			4		10	ne.	3 h'r	3 h'r			cloudy.
Bk. Cato, Oporto, Portugal†	29.99	761.7	54	12.2	93	nw.			5				4 h'r	4 h'r			clear.
S. David Stewart, Orchilla Island, Venezuela			79	26.1		ene.			3		5	ene.	light	light	long	n.	
Schr. Edith R. Seward, Berbice, British Guiana †	30.04	763.0	80	26.7		ne.			1		3	ene.	0	0			clear.
U. S. Fish. Com. S. S. Fish Hawk, Washington, D. C†	29.95	760.7	41	5.0		nne.			2		1	calm	1.44	36.6			foggy.
S. Frank N. Thayer, N. 22° 00′, W. 38° 33′ *†	30.32	770.1	72	22.2	62	ene.			0		10	ene.	0	0	r'gh	e.	squally.
Bg. George, Arroyo, Porto Rico, W. I *†	30.15	765 8				ese.			4		10	ese.	sh'rs	sh'rs	r'gh	e.	squally.
Bk. Galeon, N. 40° 33′, W. 16° 26′			54	12.2		nw.			5		4	nw.	light	light		nw.	blue sky.
S. Gatherer, N. 27° 35′, W. 39° 40′†	30.42	772 7	67	19.4	74	ese.			6		8?	ese.	1 h'r	1 h'r		nnw.	clear.?
Bk. Heinrich & Tonio, N. 47° 28′, W. 21° 50′*†	29.93	760.2	49	9.4	78	wnw.			6		5	wnw.	10 h'r	10 h'r	r'gh	var.	squally.
Bk. Hattie G. McFarland, Aspinwall, U. S. C			76	24.4		sw.			1		6	se.	3 h'r	3 h'r			showery.
Schr. Jennie N. Huddell, Wilmington N. C			65	18.3		ssw.			3		5	ssw.	2 h'r	2 h'r			fair.
Bg. John Welsh, jr, N. 14° 18′, W. 58° 40′†	30.07	763.8				ne.			5						r'gh	ene.	
Schr. John Bird, N. 19° 34′, W. 77° 13′ *†	30.11	764.8				ene.			1		0		0	0	light	e.	clear.
Schr. Jenny Greenbank, N. 18° 23′, W. 57° 00′*	30.12	765.0	71	21.7		ene			4		7	ene.	1 h'r	1 h'r	rg'h	e.	rainy.
Bg. L. & W. Armstrong, N. 18° 50′, W 58° 15′†	30.14	765.5				e.			4		3	e.	0	0	long	e.	
Lighthouse Tender Laurel, off Tampa, Fla †	30.11	764.8	72	22.2		se.			2-3		10	se.	0	0			cloudy.
S. S. Madrid, Savona, Italy†	29.75	755.6	56	13.3	87	wsw.			1		2?	wsw.	10 h'r	10 h'r			cloudy.?
Schr. Maggie Abbott, Gonaives, Hayti, W. I*†	30.10	764.5							2		3		h'vy	h'vy			clear.
Schr. Nellie T. Morse, N. 25° 55′, W. 83° 30′†	30.14	765.5	74	23.3		sse.			2		0		0	0			clear.
Bk. Rosina, N. 37° 30′, W. 67° 33′	30.12	765.0	66	18.9		sw.			6		10		rain	rain	large	s.	raining.
Bk. Sunbeam, Lisbon, Portugal†	29.97	761.2	57	13.9	82	nw.			8		4	nnw.	8 h'r	8 h'r			fair.
S. Stephen D. Horton, Antwerp, Belgium †	29.86	758.4				ne.			1		10	nne.	1 h'r	1 h'r			threatening.
S. Tsemogora, N. 45° 15′, W. 26° 19′*†	30.00	762.0				wnw.			4		8	w.	0	0	long	w.	hazy.
Bk. Tros, N. 40° 40′, W. 21° 16′ *†	30.28	769.1	58	14.4		wsw.			6		7	w.	0	0	long	wnw.	squally.
S. Vincenzo Accame, N. 36° 15′, W. 6° 58′†	29.87	758.7	57.2	14		nne.			3		9	n.	2 h'r	2 h'r	r'gh	nw.	stormy.
District No. 2—South Atlantic.																	
H. M. S. Amethyst, Stanley, Falkland Islands	29.52	749.8	53	11.7	86	ne.			1		1	nw.					blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	30.02	762.5	70	21.1	75	se.			3		1	se.					blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	30.06	763.5	70	21.1	90	ne.			4		4	calm					d. clouds.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.87	758.8	74.1	23 4	63	wsw.			3		0		0	0	2		blue sky.
S. S. Hevelius, Buenos Ayres, La Plata *†	30.11	764.8	76	24.4		ese.			2		1		0	0			clear.
S. S. Strassburg, S 18° 55′, W. 37° 45′	30.09	764.3	78.5	25.8	86	ene.			2		10	ene.	12 h'r	12 h'r	3	e.	covered.
S. Grecian, S 4° 03′, W. 31° 21′†	30.02	762.5	81	27.2	87	ene.			2		6	e.	rain	rain	long	n.	fair.
S. Henry Failing, S. 12° 59′, W. 30° 52′*†	29.90	759.4	88	31.1	70	ne; e.			1		5		0	0	sm'h		fair.
Bk. Horace Scudder, Loango, Guinea *†	30.05	763.3	83	28.3		sw.			4		5	ssw.	0	0		sw.	fair.
S. Ismir, S. 36° 45′, W. 27° 45′ *†	30.15	765.8				calm			0		7	calm	rain	rain	mod.	sw.	rainy.
Bkt. Levanter, Montevideo, Uruguay*	30.05	763 3	75	23.9		ne.			2		1	n.	0	0			clear.
S. S. Mendoza, S. 24° 07′, W. 36° 23′†	30.15	765.8				ese.			4			e.	0	0	sm'h	ese.	overcast.
S. S. Olbers, S 4° 25′, W. 31° 00′	29.99	761.7	80	26.7	89	var.			3		5	se.			sm'h		fine.
U. S. S. Nipsic, Punta Lara, La Plata*	29.99	761.7	72	22.2	95	ne.			3		2				sm'h		clear.
District No. 3—North Pacific.																	
U. S. Naval Hospital, Yokohama, Japan			40	7.8	51	nne.			6		10		sw.	1.26	32.0		cloudy.
U. S. S. Essex, Hong Kong, China	30.10	764.5	61	16.1	82	ene.			2		8		ene.				cloudy.
U. S. S. Juniata, Roze Island, Corea	30.10	764.5	37	2.8	81	nw.			5		0		0	0			clear.
U. S. S. Palos, Yakoo Forts, China	30.21	767.3	33	0.6	69	se.			3		0						clear.
U. S. S. Ranger, Estero Real, Nicaragua	30.04	763.0	78	25.6	73	calm			0		2		0	0			clear.
H.M.S. Audacious, Hong Kong, China	30.10	764.5	61	16.1	94	ne.			2		10	ne.					overcast.
H. M. S. Champion, Shanghai, China	30.30	769 6	55?	12.8?	87	n.			1		0						blue sky.
H. P. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.20	767.1	51	10.6	74	ne.			3-5		0				3	se.	misty.
U. S. S. Tamega, Macao, China	30.10	764.4	66.2	19	86	calm			0		0		6 mi	nutes			blue sky.
U. S. S. Monocacy, Canton, China	30.11	764.8	67	19.4	79	calm			0		10	calm					misty.
S. S. Newbern, N 35° 40′, W. 121° 20′			57	13.9	81	se.			4		10	se.	4 h'r	4 h'r	small	sw.	cloudy.
S. S. City of Chester, Eureka, Cal†	29.95	760.7	47	8.3	100	calm			0		10		light	light			
S. S. Oregon, N. 44° 08′, W. 124° 23′†	30.04	763.0	43.5	6.4	71	ne.			2		5	s.			light	nw.	fair.
S. S. Alameda, N. 37° 18′, W. 124° 18′ †	29.94	760.5	56	13.3	81	se.			4		10		16 h'r	16 h'r	light	w.	overcast.
S. S. Ancon, Point Loma, Cal †	30.13	765.3	61	16.1	77	wsw.			2		5	sw.	0	0	light	w.	fair.
S. S. Geo. W. Elder, Tacoma, Wash. Ter			36	2.2	70	calm			0		2?		0	0			overcast.?
S. S. State of California, Portland, Oregon †	29.97	761.2	27	— 2.8	100	calm			0		10						overcast.
S. S. City of Pekin, N. 30° 00′, E. 164° 48′†.	30.38	771.6	60	15.6	71	se.			2		10	se.	0	0	long	nw.	overcast.
S. S. City of Rio de Janeiro, N. 32° 06′, E. 177° 10′†	30.38	771.6	59	15.0		sw.			3			se.			long	nw.	clear.
S. S. City of Tokio, N. 31° 02′, E. 131° 51′†	29.91	759.7	54	12.2	67	nw.			2		10	nw.			long	nw.	cloudy.
S. S. Colima, San Jose, Guatemala †	29.99	761.7	76	24.4	82	ne.			2		1	calm			small	se.	fair.
S. S. Granada, N. 20° 43′, W. 105° 55′†	30.02	762.5	71	21.7	95	n.			2		2	e.	0	0	light	nw.	clear.
S. S. San Jose, Panama, Panama			84	28.9	95	nnw.			5		3	wsw.	0	0	small	n.	clear.
S. S. Benalder, Yokohama, Japan	29.67	753.6	52	11.1	79	n.			3-4		5	nne.	0	0			hazy.
District No. 4—South Pacific.																	
U. S. S. Pinta, S. 53° 10′, W. 70° 53′	29.39	746.5	48	8.9	55	w.			5		2	w.					squally.
U. S. S. Wachusetts, S. 22° 20′, W. 70° 32′	29.99	761.7	68	20.0	84	sse.			2		5	calm			long	ssw.	fair.
H. M. S. Espeigle, S. 41° 17′, E. 174° 48′	29.61	752.1	61	16.1	94	s.			1		10						raining.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	29.54	750.3	63.3	17.4	81	nw.			4		9				1	n	showery.
H. M. S. Mutine, S. 29° 15′, W. 71° 55′	30.04	763.0	63	17.2		ene.			1								overcast.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.98	761.5	73	22.8	85	calm			0		8	sw.					d. clouds.
S. S. City of Sydney, S. 29° 35′, W. 179° 47′ *†	29.96	761.0	73	22.8	90	s.			3	ck	8 n		s.		mod.	se.	cloudy.
S. S. Zealandia, S. 18° 01′, W. 172° 32′	29.93	760.2	82	27.8		ne.			5		4?		ne.		mod.	ne.	cloudy.?
S. S. Port Phillip, S. 31° 05′, E. 153° 28′	30.05	763.3	76	24.4		var.			1						light	e.	cloudy.
District No. 5—Indian Ocean.																	
U. S. S. Trenton, N. 16° 20′, E. 41° 10′	29.80	756.9	81	27.2	91	sse.			2		1		sse.		sm'h	sse.	clear.
H. M. S. Magpie, N. 8° 06′, E. 97° 42′	29.80	756.9	83.5	28.6	75	nw.			1		4						misty.
H. M. S. Tourmaline, S. 10° 06′, E. 47° 40′	29.84	757.9	80	26.7	96	wnw.			3-5		5				4	wnw.	squally.
S. Orealla, S. 39° 32′, E. 69° 40′*.	29.91	759 7				s.			6		5	sw.	rain	rain	mod.	sw.	showery

International Chart I. March 8, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 9, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	....	....	29.92	760.0	59.7	15.4	79	se.	.....	.....	1	.....	5	.....	.....	0	0	cloudy	Koziere.
Algiers	.....	.....	29.91	759.8	58.3	14.6	61	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.88	758.9	65.5	18.6	79	n.	.....	.....	2	.....	2	.....	.....	0	0	fair	Fonfrède.
Tunis	....	....	29.88	758.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.97	761.3	46.4	8.0	72	n.	.....	.....	1	.....	5	.....	.....	0	0	cloudy	Forfert.
Laghouat	.....	.....	30.03	762.7	65.1	18.4	.....	nw.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Abraham.
Biskra	.....	.....	29.97	761.1	64.0	17.8	84	w.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.05	763.3	62.0	16.7	68	sse.	15	6.7	.....	.....	10 k	.....	.....	0	0	overcast	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.77	756.1	29.96	761.0	54	12.2	87	sse.	10	4.5	.....	.....	10	.....	s.	0.01	0.3	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	29.89	759.2	29.98	761.5	55.0	12.8	86	se.	9	4.0	.....	.....	10	.....	.....	0.06	1.5	showery	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.25	742.9	29.81	757.1	43.9	6.6	55	w.	.....	.....	2	.....	10	.....	.....	inap.	inap.	.....	Prof. Ivan Stozir.
Orncow, I. R Observatory	28.95	735.4	29.75	755.6	32.7	0.4	04	wsw.	6.9	3.1	.....	.....	5	.....	.....	0.028	0.7	.....	Dr. Wierzbiski
Eperies	28.84	732.4	29.73	755.1	40.3	4.6	57	calm	.....	.....	0	.....	10 ks	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.56	725.5	29.83	757.7	44.8	7.1	56	w.	.....	.....	1	.....	3	.....	.....	0.008	0.2	.....	Andreas Rospini.
Hermannstadt	28.31	719.0	29.75	755.6	47.1	8.4	37	w.	.....	.....	3	.....	0	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.39	721.0	29.75	755.6	42.1	5.6	71	wnw.	.....	.....	2	.....	10	.....	.....	0.157	4.0	.....	The Staff.
Lemberg	28.71	729.1	29.72	754.9	35.2	1.8	69	n.	.....	.....	3	.....	10	.....	.....	inap.	inap.	.....	Dr. T. Stanecki.
Pola	29.69	754.1	29.80	757.0	51.6	10.9	74	ssw.	.....	.....	3	.....	4	.....	.....	0.047	1.2	.....	I. R. Hydrographic Office.
Szathmar	29.24	742.8	29.72	754.8	44.6	7.0	44	w.	.....	.....	4	.....	2	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.50	749.3	29.78	756.5	47.8	8.8	51	calm	.....	.....	0	.....	3	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.72	755.0	29.82	757.5	50.2	10.1	71	e.	.....	.....	1	.....	10	.....	.....	0.079	2.0	.....	Royal Academy.
Vienna	29.07	738.4	29.81	757.2	37.0	2.8	82	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.38	720 8	29.79	756.7	38.8	3.8	95	ssw.	.....	.....	1	.....	5	.....	.....	0.008	0.2	raining	.....
Brussels	29.39	746.6	29.66	751.8	43.5	6.4	82	sw.	.....	.....	2	.....	10	.....	ssw.	inap.	inap.	light rain	.....
Furnes	29.55	750.5	29.57	751.0	47.7	8.7	74	e.	.....	.....	1	.....	10	.....	.....	0.020	0.5	.....	.....
Maeseyck	29.49	749.1	29.02	752.3	40.0	7.8	79	sw.	.....	.....	1	.....	10	.....	.....	0.079	2.0	.....	.....
BRITISH.																			
Aberdeen	29.31	744.5	29.41	747.0	39.4	4.1	86	s.	11	4.9	.....	.....	10	.....	.....	0.290	7.4	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.47	748 5	47.0	8.3	42	sw.	9	4.0	.....	.....	4	.....	.....	.....	.....	d clouds	John Hartnup.
Bolton, Sharples	28.84	732.5	29.37	746.0	43.5	6.4	70	sw.	.....	.....	.....	.....	3	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.08	738 0	29.47	748.5	43.7	6.5	64	w	.....	.....	2	.....	0	.....	.....	0.10	2.5	d. clouds	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.02	762.5	30.04	763.0	78	25.6	91	e.	.....	.....	4	.....	7?	.....	.....	.....	.....	overcast?	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	46.8	8.2	68	w.	.....	.....	0.6	.....	3	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E.	29.40	746.7	29.57	751.1	46.9	8.3	74	calm	.....	.....	0	.....	4	.....	.....	blank	blank	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.35	745.5	29.58	751.3	49.0	9.4	54	s.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.57	700.3	29.88	758.9	74.2	23.4	66	ne.	.....	.....	1	.....	10	.....	.....	blank	blank	gloomy	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.23	742.4	29.27	743.4	41	5.0	82	sse.	.....	.....	3	.....	9	.....	.....	0.25	6.3	threatening	Wm. Ryan.
Gibraltar, Mediterranean	30.01?	762.2?	30.11?	764.8?	58.4	14.7	92	nw.	.....	.....	4	.....	4	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.39	746 5	29.56	750.8	40.6	8.1	59	wnw.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.30	745.7	29.66	753.4	50.0	10.0	68	wsw.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	29.54	750.3	29.57	751.1	45.8	7.7	73	nw.	11	4.9	.....	.....	2	.....	.....	.....	.....	blue sky	The Staff.
Leicester, Museum	29.28	743.7	29.53	750.0	48.0	8.9	49	wnw.	.....	.....	1	.....	8	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.78	756 4	29.80	758.4	58.8	14.9	74	nw.	.....	.....	2	.....	5	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.20	767.1	30.25	768 3	76.2	24.6	88	se.	.....	.....	1	.....	0	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.33	745.0	29.56	750.8	46.8	8.2	64	w.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky	The Staff.
Plymouth	29.48	748.8	29.55	750.6	48.8	9.3	73	s.	.....	.....	3	.....	5	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.20	741.7	29.30	744.2	38.1	3.4	99	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	raining	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.75	755.6	29.82	757.4	45.0	7.2	74	n.	.....	.....	1	.....	10	.....	.....	blank	blank	gloomy	W. H. Lyne.
Sheffield	29.22	742.2	29.56	749.3	45.4	7.4	01	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Sillioth Rectory	29.38	746.2	29.41	747.0	45.0	7.2	80	sw.	.....	.....	2	.....	2	.....	.....	0.200	5.1	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.50	749.3	43.7	6.5	70	w.	9	4.0	.....	.....	8	.....	.....	0.384	9.8	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	49.8	9.9	89	w.	.....	.....	2.0	.....	5	.....	.....	blank	blank	d. clouds	Rev. G. H. Griffiths, F.M.S
Valencia, Observatory	29.12	739.6	29.15	740.4	44.2	6.8	84	s.	47	21.0	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.55	750.6	29.94	760.5	58 3	14.6	70	w.	9.9	4.4	.....	0	5 n	.....	w.	0	0	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	30.05	763.3	30.17	766.3	56.9	13.8	77	e.	26	11.6	.....	.....	10 k	.....	e.	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.35	770.9	30.39	771.9	13	—10.6	98	ne.	14	6.3	.....	.....	10 n	.....	.....	0.500	12.7	light snow	H. J. Cundall, C. E.
Chatham, N. B*	30.45	773.4	30.52	775 2	9	—12.8	91	ne.	10	4.5	.....	½ k	8 ks	ne.	ne.	0.19	4.8	cloudy	G. A. Blair.
Cornwall, Ontario	29.85	758.2	30.06	763.5	17.0	— 8.3	97	e	.....	.....	1	.....	10 n	.....	...	0.300	7.6	snowing	Jas. Smith, M. A.
Dalhousie, N. B	30.49	774.4	30.55	776.0	8.5	—13.1	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Fanner Point, Quebec*	30.47	773.9	30.49	774.4	6	—14.4	76	ne.	13	5.8	.....	.....	10 ks	.....	ne.	0	0	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.26	743.2	30.25	768 3	—21	—29.4	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	30.36	771.1	30.43	772.9	11.3	—11.5	94	ne.	11	4.9	.....	.....	10 s	.....	.....	0.300	7.6	overcast	Dr. Thos. Harrison.
Grand Manan, N. B	30.23	767.8	30.29	769 4	18	— 7.8	100	ne.	28	12.5	.....	.....	10 n	.....	.....	1.00	25.4	light snow	J. Chipman Seeley
Granton, Ontario	28.87	733 3	30.05	763.3	20.3	— 6.5	96	calm	0	0	.....	.....	10 n	.....	.....	inap.	inap.	overcast	Jas. Grant.
Halifax, N. S*	30.13	765.3	30.27	768.8	21	— 6.1	91	n.	12	5.4	.....	.....	10 n	.....	.....	0.99	25.1	light snow	A. Allison.
Hamilton, Ontario	29.58	751.3	30.01	762.2	24.7	— 4.1	85	sw.	.....	.....	1	10 cs	0	sw.	.....	0.400	10.2	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.67	753.6	30.03	762.7	18	— 7.8	87	n.	10	4.5	.....	.....	10 s	.....	n.	0.38	9.7	cloudy	A. P. Knight, M. A.
Little Glace Bay, N. S	30.30	769.0	30.34	770.6	20.5	— 6.4	90	ne.	5	2.2	.....	5 ck	0	n.	.....	0.600	15.2	snowing	C. H. Rigby.
London, Ontario	29.08	738.6	30.05	763.3	21.3	— 5.9	93	calm	.....	.....	0	.....	10 n	.....	.....	0.200	5.1	snowing	E. B. Reed.
Medicine Hat, N. W. T	27.54	699.5	30.05	763.3	3	—10.1	87	n.	3	1.3	.....	.....	10 n	.....	.....	0	0	cloudy	John Ewart.
Minnedosa, N. W. T	28.09	713.5	30.27	768 8	— 7	—21.7	100	ne.	2	0.9	.....	0	hz.	.....	.....	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.94	760.5	30.10	760.1	16	— 8.9	91	ne.	3	1.3	.....	.....	10 n	.....	.....	0.38	9.7	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.86	758.4	30.10	764.5	10.3	— 8.7	96	ene.	.....	.....	.....	.....	10 s	.....	.....	0.450	11.4	snowing	A. McGill, M. A.
Parry Sound, Ontario*	29.31	744.5	30.06	763.5	17	— 8.3	83	calm	0	0	.....	5 k	5 ks	.....	.....	0.09	2.3	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.20	743 2	30.05	763.3	19.0	— 7.2	80	ne.	.....	.....	1	.....	10 k	.....	.....	0.18	4.6	overcast	Wm. O'Connor, M.A.
Port Arthur	29.45	748.0	30.20	767.1	18	— 7.8	58	s.	2	0.9	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.30	744.2	30.04	763.0	21	— 6.1	100	ne.	2	0.9	.....	.....	10 n	.....	.....	0.10	2.5	threatening	H. Morgan.
Port Stanley, Ontario	29.35	745 5	30.04	763.0	22	— 5.6	92	nw.	1	0.4	.....	.....	10 n	.....	nw.	0.03	0.8	light snow	M. Payne.
Qu Appelle, N. W. T	27.72	704.1	30.25	768.3	— 1.9	—18.8	.....	calm	0	0	.....	0	0	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.92	760.0	30.31	769.9	13	—10.6	91	ne.	24	10.7	.....	.....	10 s	.....	ne.	0	0	cloudy	Capt. Asne. R. N.
Rockliffe, Ontario*	29.57	751.1	30.06	763 5	17	— 8.3	80	e.	5	2.2	.....	.....	10 ks	.....	w.	0.16	4.1	light snow	W. H. McIntyre.
St. Andrews, N. B	30.26	768.6	30.31	769.9	15	— 9.4	93	ne.	7	3.1	.....	.....	10 n	.....	.....	0.75	19.0	cloudy	.....
St. John, N. B	30.17	766.3	30.33	770.4	14.0	—10.0	90	e.	12	5.4	.....	.....	10 n	.....	.....	1.050	26.7	overcast	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.32	770.0	14.0	—10.0	.....	ne.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.28	743.7	30.05	763.3	20	— 6.7	91	se.	11	4.9	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	.....
Stratford, Ontario	28.65	727.7	30.02	762.5	17.1	— 8.3	82	calm	0	0	.....	.....	10 s	.....	.....	0	0	d. clouds	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles n. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill	Weather.	OBSERVERS
CANADIAN.—Continued.																			
Sydney, C. B*	30.30	769.6	30.36	771.1	21	— 6.1	91	ne.	8	3.6			10 n			0.30	7.6	cloudy	T. C. Hill, C.E.
Toronto, Ontario*	29.63	752.6	30.04	763 0	20	— 6.7	87	n.	6	2.7			10 n			0.05	1.3	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.94	735 1	30.08	764.0	20.6	— 6.3	91	nw.					10 n			0.025	0.6	snowing	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.08	764.0	30.16	766.1	23	— 5.0	80	e.	12	5.4			10 s		ne.	0.42	10.7	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.94	760.5	29.97	761.2	70.0	21.1	90	ne.				0	0			0	0	clear	I. Garfelt.
Cape Town, The Castle	29.87	758.7			74.0	23.3	56	sw.				0	0			0	0		Capt. R. Gardner Warton
Springbok Fontein	27.91	708.9			78	25.6	57									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.55	750.5	29.65	753.2	59.7	15.4	98	e.			2		8		e.	0	0	misty	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					58.1	14.5	85	sw.			1		10 n		sw.	0	0	cloudy	Leon Herrera.
Valparaiso	29.80	757.0	29.95	760.6	62.1	16.7	88	s.			1		10					cloudy	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.27	768.9	30.30	769.5	42.8	6.0	77	ese.	8.3	3.7			0			0	0	clear	M. Marc Dechevrens, S. J.
DANISH.																			
Copenhagen	29.71	754 7	29.76	755.9	31.1	— 0.5	90	e.	25	11			10					snowing	Oversergent Fischer.
Fanöe	29.70	754.3	29.72	754.8	33.4	0.8	83	e.			4		6						Overlocrer Laurdsen.
Godthaab, Greenland	29.76	756.0	29.81	757 1	— 2.9	—19.4	100	nne.			4		10						S. Kleinschmidt.
Ivigtut, Greenland	29.46	748.3	29.48	748.8	2.5	—16.4		ne.			6		8						
Stykkisholm, Iceland	28.63	727.2	28.67	728.3	36.5	2.5	79	e.			8		8						A. O. Thoriacius.
Thorshavn	29.17	740.9	29.19	741.5	37.6	3.1	96	se.	27	12.			7					raining	Overlocrer Bergh.
Upernavik, Greenland	29.74	755.5	29.79	756.7	—16.1	—26.7		calm			0		0						
Vestervig	29.69	754.0	29.78	756.3	32.9	0.5	92	e.			4		8						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.67	753.6			69.8	21.		n.	8.1	3.6			4 k			inap.	inap.		Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School	29.28	743 8	29.94	760.5	52.5	11.4	48	sw.			1		8 cn	w.	w.	0	0		M. Labroue, Director.
Alençon, Normal School	29.16	740.7	29.71	754.7	46.4	8.	83	w.			1		5 kn		e.	0.047	1.2		M. Nicot, Director.
Arras, Normal School	29.32	744.6	29.56	750.8	48.9	9.4	69	wsw.			4		8	wsw.	wsw.	0.004	0.1	very cloudy	M. Ungerer, Director.
Avignon, Normal School	29.78	756 4	29.86	758.4	56.8	13.8	42	nnw.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.16	740.7	29.72	754.9	46.0	7.8	75	sw.			1		8		sw.	0.217	5.5	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.38	746 3	29.65	753 1	48.9	9.4	52	w.			2		8		nw.	0.043	1.1	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.84	732.4	29.73	755.2	50.4	10.2	79	s.					kn		ne.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.57	751.0	29.83	757.7	52.7	11.5	69	sw.			1		10			0.012	0.3	covered	M. Rayet, Director.
Bourges, Normal School	29.23	742.5	29.79	756.6	46.8	8.2	83	w.			4		5		w.	0.04	1.	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.49	749.0	29.73	755.2	52.2	11.2	70	wsw.			2		4		wsw.	0.079	2.0		M. de Kermarec, Dir.
Caen, Normal School	29.57	751.1	29.65	753.0	51.8	11.	93	w.			1		2		w.	0	0	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.34	745.2	29.66	753.4	44.8	7.1	89	s.			2		10			0.004	0.1	covered	M. Jadot, Director.
Charleville, Normal School	29.12	739.6	29.64	752.8	43.5	6.4	77	sw.			1		5 c			0	0	½ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.41	721.7	29.76	756 0	52.9	11.6	45	wsw.			6		5		w.	0	0		M. Alluard, Director.
Cluny, Normal School	28.96	735.5	29.86	758.4	50.5	10.3	50	sw.			1		10		sw.	0.004	0.1		M. de Villemontés, Dir.
Commercy, Normal School	28.84	732.6	29.72	755.0	41.2	5.1	93	wsw.			4		5 n	sw.	sw.	0	0	cloudy	Dr. Coulet, Director.
Gap, Normal School	27 27	692 6	29.81	757.2	48.2	9.	42	nw.			1		1 n			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.69	728.7	29.81	757.2	53.1	11.7	36	nw.			4		1		nw.	0	0		M. Kina, Director.
Grenoble. Normal School	29.05	737.9	29.82	757 3	55.0	12.8	59	s.			1		k		sw.	0	0		M. Abiard, Director.
Guéret, Normal School	28.15	714.9	29.75	755 7	42.8	6	42	sw.			8		10 n		sw.	0.16	4.	raining	M. Delorme, Dir.
Lambal e Normal School	29.40	746.8	29.68	753.8	49.8	9.9	86	sw.			1		kn		sw.	0	0		M. Polipre, Dir.
Lescar, Normal School	29.32	744.6	29.85	758.2	59.7	15.4	26	w.			1					0	0		M. Chauvin, Director.
Lorient, Naval Observatory	29.63	752.7	29.74	755 3	52.9	11.6	57	s.			6		10		sw.	0.236	6.0	covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28.75	730 3	29.81	757.1	52.0	11.1	41	sse.			1		5 n		s.	0	0	cloudy	M. André, Director.
Mans, Normal School	29.41	746 9	29.71	754 7	48.7	9.3	64	w.			1		5 kn		w.	0.04	1.	cloudy	M. Richard, Director.
Marseille, Observatory	29.55	750 6	29.82	757 5	55.8	13.2	40	nw.			4		0			0	0		M. Stephan, Director.
Montlouis	24.59	624.7	29.44	747 7	40.1	4.5	68	se.	15.0	6.7			4		e.	0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.85	758.2	29.96	761.0	59.0	15	56	wnw.			4		1	n.		0	0	clear	M. Gaizin, Director.
Nancy, Normal School	28.92	734.6	29.73	755.1	42.1	5.6	78	sw.			1		n		sw.	0	0		M. Hasse, Director.
Nantes, Observatory	29.62	752.4	29.78	756.5	54.0	12.2	56	wnw.			1–2		9k	kn	wnw.	0.173	4.4		M. Larocque, Director
Perpignan, Observatory	29.80	757.0	29.91	759.8	58.5	14.7	39	sw.	1.8	0.8			0			0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.97	532.7			21.9	— 5.6		w.			2		0			0	0	clear	M. Vaussenat, Director.
Privas, Normal School	28.78	731.1	29.84	758.0	54.7	12.6	33	n.			1		2	n.	n.	0	0	slightly cl'dy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24 85	631.1			28.6	— 1.9	100	wsw.			6		10			0.012	0.3	foggy	M. Alluard.
Rochefort, Naval Obs'y	29.77	756 2	29.80	757.0	54 7	12.6	64	sw.			2		10		sw.	0.039	1.0	covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.58	751 2	29.79	756.7	53.6	12	57	w.			1				w.	0.059	1.5		M. Brotlier, Director.
Rodez, Normal School	27.92	709.1	30.10	764.6	47.3	8.5	77	nw.			1		10 n		se.	0	0	covered	M. Seger, Director.
Rouen, Normal School	29.61	752 2	29.66	753.4	50.0	10	56	nw.			1		5		nw.	0.071	1.8	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.51	749.6	29.68	753.8	50.4	10.2	61	wnw.			2		4		wnw.	0.020	0.5		M. Renou, Director.
Toulouse, Observatory	29.19	741.4	29.91	759.7	55.4	13.0	57	ssw.			1		2	w.		0	0	slightly cl'dy	M. Baillaud, Director.
Tours	29.56	750.9	29.74	755.5	52.2	11.2	54	wsw.			1			wnw.	w.	0.028	0.7		M. de Tastes.
Versailles, Observatory	29.18	741.2	29.67	753.6	46.0	7.8	64	nw.			1		5			0.016	0.4	cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.73	755.2	29.88	759.0	57.9	14.4	44	sw.	11.9	5.3		2 ck	2 k			0	0		M. Cartier, Director.
GERMAN.																			
Ansbach	28 29	718.6	29.77	756.1	40.3	4.6	64	sw.			2		7	sw.		0	0		Prof. Jnedt.
Bamberg	28.87	733.3	29.71	754 5	41.0	5.0	56	se.			1		8			0.020	0.5		Prof. Dr. Hoh.
Berlin	29.58	751.3	29.73	755.1	34.2	1.2	63	se.			1		6			0	0		Meteorological Institute
Breslau	29.25	742.9	29.78	756.3	30.4	— 0.9	73	w.			2		5	w.		0.016	0.4		Royal University Obs'y
Carlsruhe	29.26	743.1	29.72	754.8	47.1	8.4	56	sw.			2		10	sw.		0.102	2.6		Albert Senz.
Cassel	28.92	734.6	29.63	752.7	40.6	4.8	78	se.			1		7	s.		0.177	4.5		Dr. H. Möhl.
Frankfort-on-the-Main	29.32	744.8	29 69	754.2	45.3	7.4	70	ssw.			1		9			0	0		Physical Society.
Friedrichshafen	28.35	720.1	29.78	756.4	45.5	7.5	62	wsw.			2		8	wsw.		0.035	0.9		Wilhelm, Chief Tel.
Hamburg	29.61	752.2	29.71	754.5	32.4	0.2	74	e.			4		10			0	0		E. Prenter.
Kiel	29.69	754.0	29.70	754.4	33.8	1.0	77	ene.			2		10			0.016	0.4		Prof. Dr. G. Karsten.
Leipsic, Astrom'l Obs'y	29.29	743.9	29.72	754.8	36.0	2.2	82	e.			1		9			0.063	1.6		H. Leppig, Asst.
Magdeburg	29.51	749.6	29.71	754 6	33.8	1.0	79	ene.			1		10			0	0		Weather Observatory.
Memel	29.77	756.2	29.82	757.4	33.8	1.0	71	nw.			3		10 s						Issermann.
Munich	27.93	709.3	29.77	756.2	43.0	6.1	58	w.			2		7	nw.		0	0		Central Station.
Neufahrwasser	29.76	756.0	29.78	756.4	28.8	— 1.8	94	se.			2		10			0	0		A. Lothes.
Neustadt, Palatinate	29.17	741.0	29 69	754.2	46.0	7.8	60	sw.			2		10			inap.	inap.	light rain	Prof. Dicknether.
Stuttgart	28.76	730.6	29.66	753.4	46.9	8.3	51	w.			1		10			0.016	0.4		Prof. Dr. Schoder.
Wustrow	29.70	754 3	29.72	754.9	35.2	1.8	75	se.			2		10			0.118	3.0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.45	747.9	29.84	757.8	54.3	12.4		s.			0.5	10	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.85	758 1	29 90	759.4	71.1	21.7	81	s.	27.0	12.1			1			0.13	3.3	d. clouds	
Deesa	29.42	747.3	29 90	759 3	83.8	28 8	26	sw.	21.0	9.4			10	sw.	sw.	0	0	misty	
Bombay	29.85	758.3	29.89	759.2	79.6	26.4	66	nw.	18.0	8.0			3	nw.		0	0	d. clouds	
Poona, Yarrowda	28.01	711.4	29.83	757 8	87.6	30.9	16	sw.	22.0	9.8			2			0	0	d. clouds	
Belgaum	27.32	693.8	29.80	756.8	88.4	31.3	19	ene.	5.0	2.2			2	w.	e	0	0	d. clouds	
Lahore	29.14	740.1	29.89	759.1	77.9	25.5	34	e.	4.0	1.8			5			0	0	d. clouds	
Roorkee	29.00	736.5	29.89	759.2	84.7	29.3	23	calm	0	0			2			0	0	d. clouds	
Agra	29.36	745.8	29.93	760 1	84.2	29.0	26	s.	4.0	1.8			3		s.	0	0	d. clouds	
Nagpur	28.76	730.6	29.78	756.4	92.7	33.7	22	s.	14.0	6.3			2	w.		0	0	d. clouds	

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity	WIND			CLOUDS. Amount and kind.		CLOUDS. Direction.		Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
								Direction.	Velocity.		Force.	Upper.	Lower.	Upper.	Lower.			
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.	
INDIAN.—Continued.																		
Pubbulpore	28.54	724 8	29.91	759.7	74.0	23.3	28	e.	14.0	6.3	..	.....	9	.....	se.	0.20	5.1	raining
Lucknow	29.57	751.2	29.95	760.8	79.2	26.2	29	wsw.	2.0	0.9	.....	.....	10	.....	.....	0	0	overcast
Allahabad	29.61	752.0	29.92	759 9	85.6	29.8	23	nnw.	4.0	1.8	.....	.....	10	.....	.....	0	0	overcast
Patna	29.68	753.9	29.86	758.5	88.4	31.3	21	w.	3.7	1.6	.....	.....	6	w.	w.	0	0	d. clouds
Hazaribagh	27.88	708.2	29.88	759.0	81.5	27.5	25	wsw.	4.0	1.8	.....	.....	10	.....	wsw.	0	0	misty
Cuttack	29.81	757.2	29.89	759 3	90.1	32.3	29	ese.	4.0	1.8	.....	.....	2	.....	.....	0	0	blue sky
Calcutta, Alipore	29.88	759.0	29.91	759.6	81.3	27.4	42	nnw.	16.0	7.2	.....	.....	10	.....	.....	.....	.....	drizzling
Dhubri	29.72	755 0	29.84	758.0	83.4	28.6	39	calm	2.9	1.3	.....	.....	0	.....	.....	0	0	blue sky
Chittagong	29.83	757.6	29.92	759.9	80.7	27.1	67	w.	1.9	0.8	.....	.....	0	.....	.....	0	0	misty
Sibsagar	29.56	750.9	29.91	759.6	73.1	22.8	74	ne.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky
Jeypore	28.43	722 2	29.87	758.6	84.0	28.9	31	ssw.	5.0	2.2	.....	.....	4	.....	sw.	0	0	d. clouds
Zanzibar	29.76	755 9	29.78	756.5	85.0	29.4	64	ne.	9.0	4.0	.....	.....	5	ese.	.....	0	0	d. clouds
Bellary	28.35	720.1	.....	.....	92.0	33.0	18	se.	4	1.8	.....	0	0	.....	.....	0	0	blue sky
Trichinopoly	29.61	752.1	.....	.....	90.7	32.6	26	w.	0.3	0.1	.....	2	3	.....	.....	0	0	d. clouds
ITALIAN.																		
Udine	29.41	747.0	29.83	757 6	45.0	7.2	70	calm	0	0	.....	.....	10	.....	.....	0	0	.....
Milan	29.26	743.2	29.79	756.6	50.4	10.2	58	se.	1.3	0.6	.....	.....	6	ssw.	.....	0	0	.....
Padua	29.71	754.5	29.82	757.4	46.6	8.1	82	n.	0.7	0.3	.....	.....	10	.....	.....	0	0	.....
Moncalieri	28 85	732.7	29.76	755 9	51.1	10.6	56	sw.	4.9	2.2	.....	.....	3	e.	.....	0	0	.....
Genoa	29.58	751.3	29.77	756.2	52.3	11.3	66	e.	9.8	4.4	.....	.....	8	s.	.....	0.087	2.2	.....
Pesaro	29.75	755.6	29.80	756.9	48.9	9.4	84	e.	11.2	5.0	.....	.....	10	w.	.....	0	0	.....
Florence	29.57	751.0	29.82	757 5	48.2	9.0	93	sw.	.....	.....	2	.....	10	.....	.....	0.031	0.8	.....
Leghorn	29.68	753.8	29.76	756.0	55.9	13.3	62	wsw.	2.5	1.1	.....	.....	7	wsw.	.....	0.043	1.1	.....
Rome	29.65	753 0	29 82	757.5	57.9	14.4	48	sw.	4.0	1.8	.....	.....	5	.....	.....	0	0	.....
Lecce	29.55	750.6	29.81	757.1	55.8	13.2	71	nnw.	7.4	3.3	.....	.....	8	nw.	.....	0.583	14.8	.....
Cosenza	28.96	735 5	29.86	758.4	55.4	13.0	77	ssw.	2.5	1.1	.....	.....	2	w.	.....	0	0	.....
Palermo	29.64	752.9	29.89	759.3	56.7	13.7	70	wnw.	2.5	1.1	.....	.....	7	wnw.	.....	0.142	3.6	.....
Syracuse	29.81	757.1	29.85	758.1	59.5	15.3	67	wnw.	4.9	2.2	.....	.....	9	wnw.	.....	0	0	.....
Sub-series.																		
Naples, Astron'l Obs'y	29.32	744.7	.....	.....	55.4	13.0	68	sw.	3.8	1.7	.....	.....	4	sw.	.....	0	0	.....
JAPANESE.																		
Akita	29.98	761.6	30.01	762.2	30.0	— 1.1	69	nw.	.....	.....	4	.....	10k;ks	.....	nw.	0.020	0.5	cloudy
Awomori	29.92	759.9	29.96	761.0	20.3	— 6.5	73	ssw.	9.6	4.3	.....	0	4 ck	.....	w.	0.099	2.5	fair
Hakodate	29.94	760.4	29.95	760.7	28.5	— 1.9	51	nnw.	10.8	4.8	.....	0	7 ks	.....	nw.	0.015	0.4	cloudy
Hamamatsu	29.93	760.2	30.03	762.7	36.3	2.4	59	nw.	.....	.....	6	0	0	.....	.....	0	0	clear
Hiroshima, I. M. Obs'y	30.15	765.8	30.17	766.2	39.7	4.3	82	n.	4.2	1.9	.....	.....	10 n	.....	nw.	0.059	1.5	raining
Kagoshima	30.21	767.4	30.22	767.7	37.2	2.9	82	calm	.....	.....	0	0	1 s	.....	nw.	0	0	clear
Kanazawa	30.06	763.5	30.17	766.4	31.1	— 0.5	71	ne.	2.7	1.2	.....	1 ck	1 ks	.....	w.	0.090	2.3	fair
Kioto	29.99	761.8	30.17	766.2	31.5	— 0.3	69	n.	0.3	0.1	.....	0	0	.....	.....	inap.	inap.	clear
Kochi	30.11	764.7	30.13	765.2	41.1	5.1	69	w.	6.7	2.9	.....	1 ck	0	.....	.....	0	0	clear
Miasaka	30.15	765.7	30.17	760.4	41.8	5.4	64	w.	.....	.....	2	0	0	.....	.....	0	0	clear
Miyako	29.85	758.3	29.96	761.1	24.8	— 4.0	100	wsw.	0.4	0.2	.....	7 c	2 s;ks	nw.	.....	0.079	2.0	cloudy
Nagasaki, I. M. Obs'y	30.02	762 5	30.23	767.8	37.6	3.1	76	calm	0	0	.....	0	0	.....	.....	0	0	clear
Nemuro	29.80	756.9	29.85	758.2	15.0	— 9.4	67	nw.	9.0	4.0	.....	1 c	0	.....	.....	0	0	clear
Niigata	30.06	763.5	30.09	764.3	33.4	0.8	79	w.	5.3	2.3	.....	.....	10 ks	.....	w.	0.010	0.2	cloudy
Nobiru	30.00	761.9	30.01	762.3	29.9	— 1.2	72	nnw.	15.0	6.7	.....	0	0	.....	.....	0	0	clear
Numadzu	29.98	761.5	30.01	762.3	36.2	2.3	93	ese.	.....	.....	2	.....	10 n	.....	.....	0.283	7.2	raining
Osaka	30.14	765 5	30.15	765.9	36.1	2.3	65	ne.	4.3	1.9	.....	3ck;cs	7ck;s	w.	w.	0	0	cloudy
Sakai	30.17	766.2	30.18	766.4	39.0	3.9	63	nne.	.....	.....	2	.....	10 ks	.....	wnw.	0.047	1.2	cloudy
Sapporo	29.85	758.3	29.92	760.1	24.5	— 4.2	87	nw.	8.7	3.8	.....	.....	9 s	.....	nw.	0.050	1.3	overcast
Shimonoseki	30.03	762 8	30.18	766.5	40.0	4.8	87	wsw.	.....	.....	2	.....	10 n	.....	.....	0.173	4.4	cloudy
Tokei Obs'y, Yedo	29.96	760 9	30.04	762.9	38.0	3.3	63	n.	10.2	4.6	.....	.....	10ks;s	.....	wsw.	0	0	clear
Wakayama	30.09	764.2	30.14	765.6	38.8	3.8	62	ne.	1.2	0.5	.....	0	0	.....	.....	0	0	clear
MAURITIUS.																		
Mauritius R. A. Observatory	29.73	755.1	29.92	760.0	80.0	26.7	61	ene.	12.0	5.4	.....	4c;cs	4 k	n.	e.	0.11	2.8	fair
MEXICAN.																		
Leon	24.41	620.0	30.20	767.1	50.7	10.4	66	nnw.	0.9	0.4	.....	0	0	.....	.....	0	0	clear
Mazatlan	29.71	754.6	29.97	761.3	64.0	17.8	89	n.	5.3	2.3	.....	0	0	.....	.....	0	0	foggy
NETHERLANDS.																		
Flushing	29.58	751.4	29.58	751.4	45.5	7.5	.....	ssw.	.....	.....	3	.....	.....	.....	.....	0.051	1.3	.....
Groningen	29.56	750.7	29.61	752.1	31.1	— 0.5	.....	se.	.....	.....	2	.....	.....	.....	.....	0	0	.....
Helder	29.57	751.0	29.57	751.0	36.1	2.3	.....	e.	.....	.....	2	.....	.....	.....	.....	0.071	1.8	.....
Hellevoetsluis	29.57	751 0	29.57	751.0	45.1	7.3	79	sw.	.....	.....	2	.....	.....	.....	.....	0.138	3.5	.....
Utrecht	29.54	750 3	29.59	751.5	46.2	7.9	82	s.	.....	.....	2	.....	7	.....	.....	0.110	2.8	very cloudy
Sub-series.																		
Batavia, Java	29.86	758 4	.....	.....	80.4	26.9	86	n.	0	0	.....	.....	4	.....	.....	0	0	.....
NORWEGIAN.																		
Bergen	29.72	754 9	29.78	756.5	34.5	1.4	82	wsw.	4	2	.....	.....	1	.....	.....	0	0	.....
Brono	29.96	760.9	30.00	761.9	34.9	1.6	50	e.	.....	.....	7	.....	1	.....	.....	0	0	.....
Christiania	29.76	755.9	29.91	759.8	32.2	0.1	71	ne.	11	5	.....	.....	10	.....	.....	.....	.....	snowing
Gjæsvær	30.04	763.1	30.07	763.7	38.5	3.6	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....
Lodingen	29.98	761.6	30.03	762.8	35.2	1.8	62	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....
PORTUGUESE.																		
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Funchal, Madeira	30.17	766.3	30.26	768.6	60.3	15.7	61	s.	1.8	0.8	.....	.....	10	.....	.....	0	0	light rain
Lisbon, Observatory	29.67	753.7	30.01	702.3	54.5	12.5	85	ssw.	15.0	6.7	.....	.....	10	.....	.....	.....	.....	.....
Ponta Delgada, Azores	30.08	764.0	30.15	765.5	64.4	18.0	62	nnw.	15.4	6.9	.....	.....	3	.....	.....	0.039	1.0	.....
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Vincent, Cape Verd Ids.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
San Salvador, Congo	27.97	710.4	29.77	756.2	84.9	29.4	56	w.	.....	.....	2	.....	6	.....	.....	0	0	.....
Serra da Estrella	25.16	639.0	29.93	760 2	42.4	5.8	66	sw.	6.3	2.8	.....	.....	5	.....	.....	0.024	0.6	.....
RUSSIAN.																		
Akmolinski	28.91	734.4	30.11	764.8	3.0	—16.1	90	ssw.	11	5	.....	0	0	.....	.....	0	0	.....
Archangel	30.34	770.5	30.35	771.0	— 0.8	—18.2	56	ene.	2	1	.....	0	0	.....	.....	0	0	.....
Ashurada	29.78	756.4	29.69	754.0	52.3	11.3	57	nw.	13	6	.....	6 ck	0	.....	.....	0	0	h'vy clouds
Astrakhan	29.97	701 2	29.89	759.2	30.6	— 0.8	60	ene.	4	2	.....	.....	10	.....	.....	.....	.....	.....
Baku	29.80	756.8	29.75	755.6	47.3	8.5	60	nne.	18	8	.....	2 cs	0	.....	.....	0	0	light clouds
Barnaul	29.79	756.6	30.34	770.7	5.0	—15.0	69	ssw.	18	8	.....	.....	3	.....	.....	0	0	solar halo
Bielosersk	29.73	755.2	30.24	768.0	16 5	— 5.6	47	ne.	2	1	.....	0	1 s	.....	.....	0	0	light clouds
Dorpat	29.71	754.5	29.96	761.0	27.3	— 2.6	74	ene.	11	5	.....	10 cs	0	.....	.....	0	0	.....
Ekaterinburg	28.86	733.0	29.91	759 8	3.2	—16.0	65	nw.	9	4	.....	1 cs	0	.....	.....	0.004	0.1	.....
Elissawetgrad	29.35	745.4	29.82	757.3	33.6	0.9	88	se.	2	1	.....	.....	10 n	.....	.....	0.016	0.4	.....
Kasan	29.78	756.5	30.08	763 9	15.1	— 9.4	62	n.	9	4	.....	0	1	.....	.....	0	0	.....
Kem	30.31	769.8	30.36	771.1	14.5	— 9.7	77	se.	13	6	.....	.....	10 ks	.....	.....	0	0	h'vy clouds
Kerlen	29.76	755.9	29.78	756.5	30.9	— 0.0	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	.....
Kief	29.08	738.7	29.74	755.5	30.4	— 0.9	90	se.	4	2	.....	.....	10 n	.....	.....	0.244	6.2	snowing
Koslov	29.42	747.2	29.97	701.2	7.5	—13.6	60	calm	0	0	.....	0	8 s	.....	.....	0	0	.....
Lgov	30.29	744.0	29.91	759 6	25.5	— 3.6	73	e.	11	5	.....	.....	10	.....	.....	0	0	.....
Libau	29.77	756.2	29.80	756.8	32.9	0.5	54	e.	7	3	.....	.....	10	.....	.....	0	0	.....
Lugan	29.67	753.5	29.89	759.1	18.7	— 7.4	61	ese.	22	10	.....	.....	9	.....	.....	0	0	light clouds
Moscow	29.48	748.9	29.99	761.8	25.3	— 3.7	51	ne.	2	1	.....	0	7 s	.....	.....	0	0	.....
Nertschinsk	27.90	708.7	30.40	773 6	0.3	—17.6	73	calm	0	0	.....	.....	7	.....	.....	0	0	.....
Nikolaiev	29.74	755.5	29.82	757.3	33.4	0.8	89	s.	4	2	.....	.....	10 n	.....	.....	0	0	.....

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Meteorological Obs'y
Capt. Kurdakow.

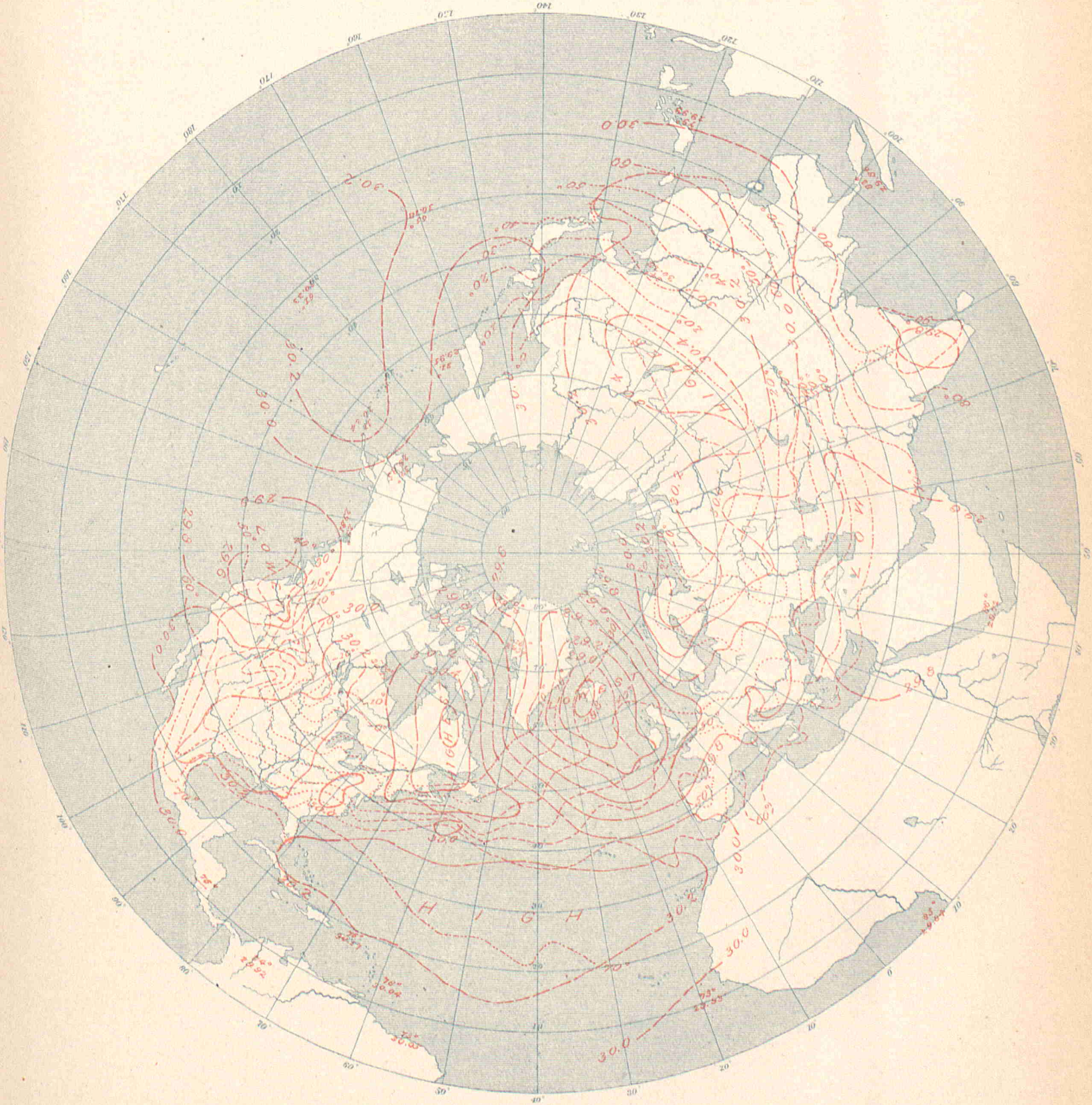
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mil.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mil.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mls. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
RUSSIAN.—Continued.																			
Nikolaiewsk-on-the-Amoor.	29.98	761 5	30.07	763.7	0.1	—17.7	86	calm	0	0	.....	5 ck	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.14	765.5	30.26	769 1	34.2	1.2	57	sw.	2	1	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.54	750.2	29.89	759.3	43.5	6.4	17	ne.	1.1	0.5	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.05	763 2	30.26	768.6	13.5	—10 3	67	se.	11	5	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.20	741.6	29.71	754.6	31.6	— 0.2	96	e.	9	4	.....	.....	10 n	.....	.....	0 012	0.3	snowing	
Poti	29.76	755.9	29.79	756.7	47 7	8.7	96	sw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.09	764.2	30.11	764.8	23.7	— 4.6	74	ne.	11	5	.....	.....	10 n	.....	.....	0.031	0.8	.....	Central Physical Obs'y.
Samarkand	27.28	692.8	29.76	755.9	45.9	7.7	72	se.	13	6	.....	.....	10 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.67	753.5	30.40	772.1	6.3	—14.3	87	sse.	9	4	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.56	750.9	29.78	756 4	43.5	6.4	81	n.	7	3	.....	.....	10 c.	.....	.....	0	0	.....	
Staroi Bykhov	29.21	742.0	29.79	756.7	30.4	— 0.9	69	ese.	7	3	.....	.....	10	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.13	714.4	29.82	757.3	46.0	7.8	77	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Terch, A. M
Tiflis	28.27	718.1	29.68	753.9	52.5	11.4	41	s.	2	1	.....	0	0	.....	.....	0	0	.....	Physical Observatory.
Vernoe	27.39	695.6	30.02	762.6	24.6	— 4.1	69	sw.	2	1	.....	0	0	.....	.....	.....	.....	.....	Lariono.
Viatka	29.74?	755.4?	30.45?	773.3?	4.3	—15.4	49	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	30.13	765.4	30.20	767.1	9.5	—12.5	72	n	9	4	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29 30	744.2	29.74	755.4	31.3	— 0.4	79	ene.	4	2	.....	.....	10 ks	.....	.....	.....	.....	heavy clouds	Astronomical Obs'y.
Yeniseisk	30.06	763.4	30.38	771.6	0.1	—17.7	69	se.	2	1	.....	.....	4	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.34	745.2	29.87	758.7	26.2	— 3.2	53	ene.	6.2	2.8	.....	0	7	.....	ne.	0	0	fair	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.80	756.9	29.91	759.7	59.0	15.0	62	sw.	.....	.....	.....	0	1 k	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.78	756.5	29.84	758.0	62.6	17.0	48	sw.	1.6	0.7	.....	0	0	.....	.....	0	0	clear	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.94	684.3	29.93	760 3	48.9	9.4	52	sw.	9.8	4.4	.....	.....	1	.....	.....	0	0	almost clear	Domingo Martin.
Madrid, Royal Obs'y	27.71	703 9	29.94	760.4	55.9	°13.3	46	sw.	7.6	3.4	.....	0	0	.....	.....	0	0	clear	The Staff.
Murcia, Met. Obs'y	29.78	756 4	29.91	759 6	63.9	17.7	69	ne.	1.8	0.8	.....	3	6	w.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.88	733 5	29.79	756.7	46.2	7.9	98	s.	1.3	0.6	.....	.....	10	.....	.....	0.028	0.7	misty	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.12	765.1	30.19	766.8	69.3	20.7	91	calm	0	0	.....	0	1 k	.....	e.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.94	760.4	29.99	761.8	78.8	26.0	68	s.	0	0	.....	6 ck	1 n	nne.	nne.	0.217	5.5	cloudy	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.91	760 6	30.05	763.1	55.2	12.9	77	calm	0	0	.....	2	4	nw.	nw.	0.008	0.2	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.08	764.0	30.17	766.3	76.3	24.6	80	se.	8.9	4.0	.....	5 k	5 kn	se.	se.	0.244	6.2	raining	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.30	769.7	30.34	770 7	19.0	— 7.2	100	sw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Umea	30.14	765.5	30.19	766.8	30.6	— 0.8	85	se.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Hernosand	30.10	764.6	30.15	765.9	30.6	— 0.8	85	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Stockholm	29.75	755.7	29.93	760 2	30.9	— 0.6	70	ese.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Wisby	29.79	756.6	29.85	758 1	34 5	1.4	66	ese.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series																			
Upsala	29.86	758.5	29.95	760.7	30.4	— 0.9	73	ene.	10.1	4.5	.....	.....	10	.....	e.	0.004	0.1	.....	H.H.Hildebrandsson
SWISS																			
Geneva	28.39	721.1	29.82	757.5	52.0	11.1	38	ssw.	.....	.....	2	.....	4	.....	.....	0	0	fair	
TURKISH.																			
Constantinople	.....	.....	29.86	758.5	42.8	6.0	72	n.	3	1.5	.....	.....	10	.....	ne.	0	0	.....	The Observatory.
Valona	.....	.....	29.87	758.6	59.5	15.3	.....	sw.	.....	.....	2	.....	10	.....	.....	0.20	5.	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.70	754.3	62.6	17.0	69	sw.	.....	.....	2	.....	9 n	.....	sw.	0.39	9.9	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	30.08	764.0	30.17	766.3	32.0	0.0	78	s.	1	0.4	.....	.....	10 s	.....	.....	0.31	7.9	cloudy	J. O. Barnes.
Alpena, Michigan	29.40	746.7	30.10	764.5	15	— 9.4	83	n.	6	2.7	.....	.....	10 n	.....	.....	0.17	4.3	light snow	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.08	637.0	30.10	764.5	34.3	1.3	91	se.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assinnaboine, Ft., Montana	26.96	684.8	29.97	761.2	12.8	—10.7	87	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.90	731.0	30.11	764.8	51.0	10.6	80	nw.	22	9.8	.....	.....	10 s	.....	n.	0.30	7.6	cloudy	S. W. Beall.
Atlantic City, New Jersey.	30.07	763.8	30.08	764.0	35.0	1.7	89	n.	13	5.8	.....	.....	10 n	.....	.....	0.59	15.0	light rain	B.A.Blundon.
Augusta, Georgia	29.85	758.2	30.05	763.3	65	18.3	90	sw.	11	4.9	.....	.....	10 ks	.....	sw.	0.45	11.4	threatening	W.J.Evans.
Baltimore, Maryland	30.02	762.5	30.07	763.8	37.0	2.8	89	e.	6	2.7	.....	.....	10n;fg	.....	.....	0.15	3.8	light rain	Geo. W. Felger.
Barnegat City, New Jersey	30.10	764.5	30.12	765.0	34.0	1.1	88	e.	22	9.8	.....	.....	10s;fg	.....	.....	0.18	4.6	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.49	723.6	30.19	766.8	— 4.0	—20.0	63	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	A. Pritchard.
Benton, Fort, Montana	26.90	683.2	29.88	758.9	28.6	— 1.9	79	n.	1	0.4	.....	0	6 s	.....	.....	0	0	fair	C.S.Bennett.
Bismarck, Dakota	28.23	717.0	30.15	765 8	1.0	—17.2	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	30.16	766.1	30.19	766.8	27.0	— 2.8	88	ne.	24	10.7	.....	.....	10 ks	.....	ne.	0.65	16.5	cloudy	J. T. Elker.
Boise City, Idaho	26.82	681 2	29.74	755 4	41.0	5.0	94	s.	14	6.3	.....	.....	10 n	.....	.....	0.22	5.6	heavy rain	James Kenealy.
Boston, Massachusetts	30.09	764.3	30.25	768.3	19 0	— 7.2	84	n.	11	4.9	.....	.....	10 s	.....	ne.	0.49	12.4	cloudy	O. B. Cole.
Brownsville, Texas	30.10	764.5	30.16	766.1	66.0	18.9	93	n.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	John McGlone.
Buford, Fort, Dakota	29.22	742 2	30.02	762.5	25 2	— 3.8	94	nw.	3	1.3	.....	.....	10 s	.....	.....	0.12	3.0	cloudy	D.Cuthbertson.
Cairo, Illinois	27.97	710.4	30.13	765.3	— 3.2	—19.6	95	e.	7	3.1	.....	0	4 s	.....	.....	0	0	fair	A. Schneider.
Canby, Fort, Washington Ter	29.93	760 2	30.35	770 9	28.0	— 2.2	77	nw.	8	3.6	.....	0	5 s	.....	nw.	0.02	0.5	fair	W. H. Ray.
Cape Henry, Virginia	29.30	744 2	29.50	749.3	39.0	3.9	82	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape May, New Jersey	30.00	762.0	30.02	762 5	53.5	11.9	100	se.	4	1.8	.....	.....	fg.	.....	.....	0.74	18.8	dense fog	A. K. Alderson.
Cape Mendocino, California	29.92	760.0	29.95	760 7	41.0	5.0	93	ne.	17	7.6	.....	.....	fg.	.....	.....	0.35	8.9	dense fog	W.E.Smith.
Cedar Keys, Florida	28.76	730.5	29.45	748.0	49	9.4	100	se.	43	19.2	.....	.....	ion;fg	.....	.....	0.29	7.4	heavy rain	A. P. Leavitt.
Charleston, S. Carolina	30.15	765.8	30.17	766.3	65.4	19.1	100	s.	12	5.4	.....	.....	ion;fg	.....	s.	inap	inap.	light rain	G. W. Davis.
Charlotte, N. Carolina	29.99	761.7	30.05	763.3	60.0	15.6	93	sw.	6	2.7	.....	0	8 s	.....	sw.	0.47	11.9	cloudy	J. H. Smith.
Chattanooga, Tennessee	29.10	739 1	29.98	761.5	58.4	14.7	98	s.	11	4.9	.....	.....	10 n	.....	s.	0.36	9.1	light rain	D. O'Donoghue.
Cheyenne, Wyoming	29.25	742 9	30.10	764.5	40.0	4.4	69	w.	11	4.9	.....	.....	10 ks	.....	w.	0.01	0.3	cloudy	B. L. Gouldine.
Chicago, Illinois	23.86	666.5	30.08	764.0	30.8	— 0.7	52	s.	21	9.4	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chincoteague, Virginia	29.44	747.8	30.18	766.6	16.2	— 8.8	69	nw.	4	1.8	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	Wm. Norrington.
Cincinnati, Ohio	30.04	763.0	30.06	763.5	39.0	3.9	100	ne.	8	3.6	.....	.....	10s;fg	.....	ne.	0.31	7.9	cloudy	C. F. Dickens
Cleveland, Ohio	29.44	747.8	30.13	765 3	31.0	— 0.6	85	nw.	9	4.0	.....	.....	10 n	.....	nw.	0.08	2.0	light snow	L. Dunne.
Columbus, Ohio	29.27	743 4	30.05	763.3	24.0	— 4.4	94	n.	5	2.2	.....	.....	10 s	.....	n.	0.05	1.3	cloudy	W. Line.
Concho, Fort, Texas	29.15	740.4	30.04	763.0	29.3	— 1.5	81	w.	3	1.3	.....	.....	10 s	.....	sw.	0.10	2.5	cloudy	F.T. Williams
Custer, Fort, Montana	28 42	721.9	30.39	771.9	29.0	— 1.7	88	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	C. E. King.
Davenport, Iowa	26.67	677.4	30.00	762.0	2.5	—16.4	75	e.	6	2.7	.....	0	4 s	.....	.....	0	0	fair	W.J.Daily.
Davis, Fort, Texas	29.57	751.1	30.26	768.6	11.0	—11.7	61	nw.	2	0.9	.....	0	3 s;hz	.....	nw.	0.09	2.3	clear	R. R. Martin.
Dayton, Washington Ty'y	25 36	644.1	30.23	767.8	39.1	3.9	76	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Williams.
Deadwood, Dakota	27.70	703.9	29.52	749.8	34.0	1.1	96	n.	2	0.9	.....	.....	10 n	.....	.....	0.03	0.8	light rain	T.Gibson.
Delaware Breakwater, Del	25.23	640.8	30.07	763.8	14.2	— 9.9	80	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear	G.W.Scott.
Denver, Colorado	30.06	763.5	30.08	764.0	35.3	1.8	100	e.	24	10.7	.....	.....	fg.	.....	.....	0.10	2.5	dense fog	G.A.Martin.
Des Moines, Iowa	24.66	626.4	30.10	764.5	30.4	— 0.9	60	s.	4	1.8	.....	.....	9 s	.....	.....	0	0	cloudy	F. M. Neal.
Detroit, Michigan	29.35	745 5	30.31	769.9	4	—15.6	60	n.	2	0.9	.....	0	0	.....	.....	0.14	3.6	clear	F. W. Conrad.
Dodge City, Kansas	29.31	744 5	30.06	763.5	23.0	— 5.0	88	nw.	8	3.6	.....	.....	10 s	.....	.....	0.06	1.5	cloudy	N.B.Conger.
Dubuque, Iowa	27.57	700.3	30.30	769.6	23	— 5.0	70	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear	J.E.Lamouette.
Duluth, Minnesota	29.52	749 8	30.27	768 8	3.7	—15.7	62	n.	1	0.4	.....	0	4 s;fg	.....	n.	0.27	6.9	fair	J. Harvey Smith
Eastport, Maine	29.43	747.5	30.22	767.6	0.4	—17.6	83	calm	0	0	.....	0	5 s	.....	.....	0	0	fair	E.R.Bruce.
Elliott, Fort, Texas	30.22	767.6	30.29	769.4	17.0	— 8.3	83	ne.	25	11.2	.....	.....	10 s	.....	ne.	0.36	9.1	cloudy	D. C. Murphy.
El Paso, Texas	27.45	697.2	30.28	769.1	28	— 2.2	77	sw.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
Erie, Pennsylvania	26.36	669.5	30.16	766 1	42.1	5.6	67	calm	0	0	.....	0	0	.....	.....	0	0	clear	F. Belford.
Escanaba, Michigan	29.26	743 2	30.03	762.7	28.5	— 1.9	84	sw.	3	1.3	.....	.....	10 n	.....	.....	0.07	1.8	light snow	P. Wood.
Fort Smith, Arkansas	29.47	748.5	30.18	766.6	5.7	—14.6	82	n.	4	1.8	.....	4 c	6 n	w.	n.	0.05	1.3	light snow	L.M.Pindell.
Galveston, Texas	29.88	758.9	30.37	771.4	25.0	— 3.9	88	calm	0	0	.....	0	0	.....	.....	0.01	0.3	clear	J. B. Campbell.
Grand Haven, Michigan	30.25	768.3	30.29	769.4	48.4	9.1	84	ne.	20	8.9	.....	1 ck	0	ne.	.....	inap.	inap.	clear	E. O'C. Macinerney
Grant, Fort, Arizona	29.44	747.8	30.14	765.5	20.2	— 6.6	84	calm	0	0	.....	.....	10 n	.....	.....	0.17	4.3	light snow	Joseph E. Mueller.
Hatteras North Carolina	25.31	642.9	30.14	765.5	44.3	6.8	70	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
	30.06	763 5	30.07	763.8	56.2	13.4	100	s.	5	2.2	.....	.....	10 s	.....	s.	0.32	8.1	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.52	648.2	29.84	757.9	21.2	— 6.0	73	calm	0	0	.....	.....	10 s	....	.....	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.72	729.5	30.20	767.1	— 9.8	—23.2	90	se.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	S. W. Glenn.
Indianapolis, Indiana	29.31	744.5	30.15	765.8	22.0	— 5.6	77	nw.	6	2.7	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy	C. F. R. Wappenhans.
Indianola, Texas	30.24	768.1	30.27	768.8	46.4	8.0	82	n.	26	11.6	.....	0	0	.....	.....	0	0	clear	L. A. Reed.
Jacksonville Florida	30.09	764.3	30.14	765 5	66 9	19.4	90	s.	10	4.5	.....	.....	10 s	.....	s.	0.06	1.5	cloudy	J. W. Smith.
Keokuk, Iowa	29.59	751.6	30.28	769.1	12.2	—11.0	70	w.	4	1.8	.....	0	0	.....	.....	0.08	2.0	clear	F. Z. Gosewisch.
Key West, Florida	30.17	766.3	30.19	766.8	73.2	22.9	90	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.03	762.7	30.05	763.3	48.9	9.4	95	s.	10	4.5	.....	2 c	6 s	s.	.....	0.30	7.6	cloudy	Wesley Blake.
Knoxville, Tennessee	29.02	737.1	30.08	764.0	41	5.0	82	w.	20	8.9	.....	.....	10 s	.....	w.	0.01	0.3	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.42	747.3	30.24	768.1	10	—12.2	58	nw.	2	0.9	.....	0	0	.....	.....	0.12	3.0	clear	S. C. Emery.
Leavenworth, Kansas	29.40	746.7	30.34	770.6	14.4	— 9.8	66	calm	0	0	.....	0	0	.....	.....	0.05	1.3	clear	C. Dill.
Lewiston, Idaho	28.60	726.4	29.46	748.3	38.0	3.3	72	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	30.02	762.5	30.35	770.9	32.0	0.0	78	nw.	8	3.6	.....	0	0	.....	.....	0.03	0.8	clear	W. U. Simons.
Los Angeles, California	29.68	753.9	30.08	764.0	53.5	11.9	96	e.	13	5.8	.....	.....	10 s	.....	e.	0.46	11.7	cloudy	T. S. Collins.
Louisville, Kentucky	29.59	751.6	30.18	766.6	30.0	— 1.1	79	w.	19	8.5	.....	.....	10 s	.....	w.	0.05	1.3	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.24	742.7	29.96	761.0	47.0	8.3	93	se.	5	2.2	.....	.....	10 n	.....	se.	0.59	15.0	heavy rain	Jno. Healy.
Mackinaw City, Michigan	29.46	748.3	30.16	766.1	11.0	—11.7	80	nw.	3	1.3	.....	0	8 s	....	....	0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.05	763.3	30.06	763.5	57.5	14.2	96	s.	10	4.5	.....	.....	10 s	.....	sw.	0.10	2.5	cloudy	William Daly.
Maginnis, Fort, Montana	25.15?	638.8?	29.75?	755.6?	20.4	— 6.4	46	se.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	F. Burke.
Marquette, Michigan	29.42	747.3	30.19	766.8	8.5	—13.1	87	nw.	1	0.4	.....	.....	10 n	.....	.....	inap.	inap.	light snow	J. Gilligan.
Memphis, Tennessee	30.01	762.2	30.36	771.1	33.5	0.8	64	w.	4	1.8	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.38	746.2	30.18	766.6	9.4	—12.6	73	nw.	7	3 1	.....	7 c	0	nw	.....	0.50	12.7	fair	S. W. Rhode.
Mobile, Alabama	30.19	766.8	30.23	767.8	53.6	12.0	74	n.	14	6.3	.....	2 k	4 k	n.	n.	0.02	0.5	fair	H. U. Jones.
Montgomery, Alabama	30.03	762.7	30.27	768.8	45	7.2	73	nw.	14	6.3	.....	5 cs	3 s	nw.	nw.	0.07	1.8	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.10	739.1	30.18	766.6	—14	—25.6	82	nw	6	2.7	.....	0	0	.....	.....	0	0	clear	H. Bessant.
Mt. Washington, N. H	23.67	601.2	30.19	766.8	21.3	— 5.9	100	sw.	30	13.4	.....	.....	10n; fg	.....	sw.	0.52	13.2	light snow	J. H. Melton.
Nashville, Tennessee	29.66	753.4	30.26	768.6	33.3	0.7	76	nw.	16	7.2	.....	.....	10 n	.....	nw.	0.03	0.8	light snow	L. N. Jesunofsky.
New Haven, Connecticut	30.06	763.5	30.18	766.6	23.5	— 4.7	94	ne.	8	3.6	.....	.....	10 s	.....	ne.	0.28	7.1	cloudy	J. H. Sherman.
New London, Connecticut	30.14	765.5	30.20	767.1	25.0	— 3.9	88	n.	10	4.5	.....	.....	10 s	.....	n.	0.56	14.2	cloudy	J. G. Lynch.
New Orleans, Louisiana	30.22	767.6	30.28	769.1	51.8	11.0	70	n.	14	6.3	.....	0	4 ks	.....	n.	0.01	0.3	fair	M. Herman.
New York, New York	30.01	762.2	30.19	766.8	28.0	— 2.2	92	ne.	10	4.5	.....	.....	10s; fg	.....	ne.	0.31	7.9	cloudy	W. Finn.
Norfolk, Virginia	29.98	761.5	30.01	762.2	56.0	13.3	93	calm	0	0	.....	.....	fg.	....	....	0.50	12.7	dense fog	Wm. Davis.
North Platte, Nebraska	27.12	688.8	30.18	766.6	1.6	—16.9	83	calm	0	0	.....	0	2 s	.....	....	0	0	clear	E. F. Brady.
Olympia, Washington Ter	29.39	746.5	29.43	747.5	38.0	3.3	89	calm	0	0	.....	.....	10 s	....	....	0	0	cloudy	J. Dascomb.
Omaha, Nebraska	29.07	738.4	30.32	770.1	5.0	—15.0	72	calm	0	0	.....	0	hz.	.....	.....	0.80	20.3	clear	A. Pollak
Oswego, New York	29.68	753.9	30.02	762 5	33.5	0.8	83	s.	6	2.7	.....	.....	10 s	.....	.....	0.14	3.6	threatening	J. G. Linsley.
Palestine, Texas	29.81	757.2	30.38	771.6	32.4	0.2	65	n.	17	7.6	.....	0	1 s	.....	.....	0.01	0.3	clear	P. T. Jenkins.
Pensacola, Florida	30.15	765.8	30.18	766.6	62.3	16.8	79	nw.	9	4.0	.....	3 ck	4 s	w.	w.	0.06	1.5	fair	M. McGaurau.
Philadelphia, Pa	30.00	762.0	30.10	764.5	32.0	0.0	100	ne.	14	6.3	.....	.....	10s; fg	....	....	0.23	5.8	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.58	446.5	30.17	766.3	5.0	—15.0	83	w.	60	26.8	.....	3 cs	0	w.	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.12	739.6	29.97	761.2	37.0	2.8	94	nw.	1	0.4	.....	.....	10 n	.....	nw.	0.33	8.4	light rain	O. D. Stewart
Port Huron, Michigan	29.34	745.2	30.06	763.5	20.5	— 6.4	91	n	3	1.3	.....	.....	10 s	.....	.....	0.06	1.5	cloudy	M. H. Perry
Portland, Maine	30.25	768.3	30.30	769.6	20.4	— 6.4	82	ne.	14	6.3	.....	.....	10 n	.....	ne.	1.10	27.9	light snow	W. W. Eichelberger.
Portland, Oregon	29.35	745.5	29.47	747.3	36.2	2.3	91	nw.	8	3.6	.....	.....	10 n	....	....	0.18	4.6	light rain	M. L. Hearn.
Prescott, Arizona	24.80	629.9	30.14	765.5	42.8	6.0	78	e.	5	2.2	.....	0	8 s	....	....	0	0	cloudy	N. D. Lane.
Provincetown, Mass	30.17	766.3	30.20	767.1	32.5	0.3	94	ne.	10	4.5	.....	.....	10 s	.....	ne.	0.75	19.0	cloudy	O. N. Kitchel.
Red Bluff, California	29.20	741.7	29.57	751.1	54	12.2	93	s.	26	11.6	.....	.....	10 n	.....	s.	2.17	55.1	light rain	J. R. Williams.
Rio Grande City, Texas	30.04	763.0	30.28	769.1	55.0	12.8	84	ne.	20	8.9	.....	.....	10 s	.....	ne.	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	29.31	744.5	30.01	762.2	28	— 2.2	100	nw.	7	3.1	.....	.....	10 n	.....	.....	0.23	5.8	heavy snow	E. W. McGann.
Roseburg, Oregon	28.85	732.8	29.41	747.0	37.1	2.8	94	sw.	3	1.3	.....	.....	10 n	.....	sw.	0.38	9.7	light rain	J. J. Naury.
Sacramento, California	29.62	752.3	29.69	754.1	54.5	12.5	95	s.	20	8.9	.....	.....	10 n	.....	se.	2.94	74.7	light rain	J. A. Barwick.
St. Louis, Missouri	29.68	753.9	30.33	770.4	23.0	— 5.0	84	w.	8	3.6	.....	0	2 ks	.....	w.	0.01	0.3	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.82	757.4	29.85	758.2	32	0.0	100	se.	9	4.0	.....	.....	10 n	....	....	0.02	0.5	light snow	Fred. H. Clarke.
St. Paul, Minnesota	29.32	744 7	30.23	767.8	— 2.6	—19.2	87	calm	0	0	.....	7 cs	0	sw.	.....	0.05	1.3	fair	P. F Lyons.
St. Vincent, Minnesota	29.25	742.9	30.19	766.8	—16	—26.7	83	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.46	646.7	29.98	761.5	40.3	4.6	57	s	12	5.4	.....	.....	10 s	....	....	0	0	cloudy	J. Craig.
San Diego, California	30.07	763.8	30.14	765.5	56.2	13.4	91	ne.	3	1.3	.....	.....	10 s	.....	w	inap.	inap.	cloudy	F. R. Day.
Sandusky, Ohio	29.34	745.2	30.06	763.5	25	— 3.9	80	nw.	6	2.7	.....	.....	10 n	.....	.....	0.11	2.8	light snow	B. F. Hough.
Sandy Hook, New Jersey	30.13	765.3	30.16	766.1	30.0	— 1.1	88	ne.	4	1.8	.....	.....	fg.	.....	.....	0.28	7.1	dense fog	V. P. Chappel.
Sanford, Florida	30.14	765.5	30.18	766.6	58.0	20.0	84	nw.	5	2.2	.....	.....	10 ks	.....	nw.	0	0	cloudy	J. B. Marbury
San Francisco, California	29.61	752.1	29.68	753.9	57.6	14.2	94	sw.	18	8.0	.....	.....	10n; fg	.....	sw.	2.21	56.1	light rain	N. Gorom.
Savannah, Georgia	29.98	761.5	30.07	763.8	64	17.8	87	s.	15	6.7	.....	0	9 ks	.....	sw.	0.66	16.8	threatening	H. W. Ford.
Shaw, Fort, Montana	26.07	662.2	29.87	758.7	16	— 8.9	83	w.	2	0.9	.....	0	8 s	.....	w.	0	0	cloudy	A. L. Mathews.
Shreveport, Louisiana	30.16	766 1	30.34	770.6	35.0	1.7	82	nw.	7	3.1	.....	0	8 s	.....	nw.	0	0	cloudy	E. N. Meekins.
Sitka, Alaska	29.74	755.4	29 81	757.2	29	— 1.7	67	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	F. W. Fickett.
Smithville North Carolina	29.98	761.5	30.02	762.5	61.4	16.3	94	s.	17	7.6	.....	.....	10 s	.....	sw.	0.22	5.6	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.56	700.0	29.69	754.1	30.0	— 1.1	100	ne.	3	1.3	.....	.....	10 n	....	....	0.09	2.3	light snow	D. Moore.
Springfield, Illinois	29.56	750.8	30.28	769.1	18.9	— 7.3	82	nw.	8	3.6	.....	0	8 s	.....	nw.	0.10	2.5	cloudy	T. B. Jennings.
Stockton, Fort, Texas	27.21	691.1	30.29	769.4	33.0	0.6	62	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.47	748.5	29.57	751.1	37.5	3.1	72	ne.	20	8.9	.....	2 cs	0	sw.	.....	inap	inap	clear	R. Connor.
Thomas, Camp, Arizona	27.37	695.2	30.15	765.8	42	5.6	84	calm	.....	.....	0	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.32	744.7	30.05	763.3	23.5	— 4.7	83	calm	0	0	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	A. Buell.
Unalashka, Alaska	30.32	770.1	30.34	770.6	31	— 0.6	88	calm	0	0	.....	0	6 s	.....	n.	0	0	fair	Samuel Applegate.
Vicksburg, Mississippi	30.08	764.0	30.34	770.6	44	6.7	76	n.	11	4.9	.....	0	8 s	.....	n.	0	0	cloudy	F. W. Mixer.
Washington, D. C	29.98	761.5	30.10	764.5	34.6	1.4	99	e.	7	3.1	.....	.....	10s; fg	.....	.....	0.10	2.5	cloudy	T. B. Harrison.
West Las Animas, Colorado	26.06	66 9	30.13	765 3	19	— 7.2	87	w.	5	2.2	.....	0	2 s	.....	.....	0	0	clear	F. H. Brandenburg.
Wilmington, N Carolina	29.96	761.0	30.02	762.5	63.5	17.5	94	s.	9	4.0	.....	.....	10 s	.....	s.	0.08	2.0	cloudy	L. H. Albrecht.
Yankton, Dakota	28.88	733.5	30.27	768 8	— 9.0	—22.8	94	calm	0	0	.....	0	0	....	....	0.10	2.5	clear	E. H. Thompson.
Yuma, Arizona	29.92	760.0	30.07	763.8	58.0	14.4	80	se.	1	0.4	.....	.....	10 s	.....	w.	0	0	cloudy	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.93	760.2	29.95	760.7	31.0	— 0.6	88	s.	2	0.9	.....	0	9 n	....	se.	0.01	0.3	cloudy	George Cherwick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	80	26.7	.....	nw.	.....	.....	4	0	8 k	.....	ne.	0	0	cloudy	W. H. Jackson.
Bogota, U. S. C	22.02	559.3	.....	.....	53.6	12.0	93	calm	0	0	.....	0	3 k	.....	s.	0.390	9.9	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.47	773.9	30.63	778.0	—12	—24.4	100	s.	9	4.0	.....	0	0	....	.....	0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.13	765.3	71.5	21.9	79	n.	1	0.4	.....	0	1 ks	.....	.....	0.25	6.3	clear	Robert Johnstone.
Paramaribo, S. A	30.05	763.3	30.05	763.3	74	22.8	95	e.	.....	.....	3	.....	10 n	e.	e.	0.990	25.1	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.36	745.7	29.92	760.0	74	23.3	94	n.	.....	.....	1	.....	10 ks	.....	s	0.55	14.0	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	.....	.....	.....	.....	76	24.4	82	e.	.....	.....	1	.....	.....	....	....	0	0	clear	Earl Flint.
York Factory, B. A	30.10	764.5	30.17	766.3	—28.0	—33.3	... .	n.	12	5.4	.....	2 c	1 -	n.	n.	0.01	0.3	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.98	761.4	29.98	761.6	76.6	24.8	88	n.	11.2	5.0	.....	.....	5 k	.....	n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	29.97	761.3	30.04	763.0	70.9	21.6	96	nw.	.....	.....	4	.....	1 k	.....	w	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Assyrian Monarch, N. 40° 07′, W. 71° 00′	.....	.....	38	3.3	.....	ne.	.....	.....	4	.....	8	.....	ne.	2 h'r	2 h'r	mod.	ne.	hazy.
S. S. Arizona, N. 47° 00′, W. 36° 54′	30.01	762.2	36	2.2	.....	nw.	.....	.....	6	.....	5	.....	nw.	0	0	high	nw.	squally.
S. S. Adriatic, N. 51° 12′, W. 12° 00′	.....	.....	.....	.....	.....	sw.	.....	.....	6	.....	.....	.....	w.	.....	.....	high	wsw.	stormy.
S. S. Antonio Lopez, N 21° 34′, W. 56° 24′	30.28	769.1	71.5	21.9	87	ene.	.....	.....	6	.....	9	.....	.....	1 h'r	1 h'r	mod.	ene.	squally.
S. S. America, N. 47° —′, W. 27° —′	.....	.....	49	9.4	85	nw.	.....	.....	6	.....	6	.....	nw.	0	0	high	nw.	squally.
S. S. Athos, Savanilla, U. S. C	.....	.....	.....	.....	.....	ene.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Britannic, N. 41° 30′, W. 63° 30′	.....	.....	42	5.6	....	nne.	.....	.....	3	.....	8	.....	se.	4 h'r	4 h'r	sm'h	e.	cloudy.
S. S. City of Augusta, N. 33° 28′, W. 78° 01′ †	30.10	764.5	.....	.....	.....	ese.	.....	.....	3	.....	6	.....	sse.	0	0	.....	.....	fair.
S. S. Caracas, N. 10° 50′, W. 68° 15′ *†	30.10	764.5	78	25.6	82	e.	.....	.....	5	.....	3	.....	e.	0	0	mod.	ene.	hazy.
S. S. Celtic, Liverpool, Eng	.....	.....	.....	.....	.....	wsw.	.....	.....	2	.....	4	.....	w.	4 h'r	4 h'r	.....	.....	fine.
S. Dora, N. 40° 04′, W. 56° 04′ *†	30.14	765.5	67.1	19.5	.....	sw.	.....	.....	6	.....	8	.....	sw.	0	0	mod.	sw.	cloudy.
S. S Donau, N. 45° 08′, W. 41° 28′	30.19	766.8	.....	.....	.....	n.	.....	.....	5	.....	9	.....	n.	4 h'r	4 h'r	cross	n.	cloudy.
S. S. Canada, (Fr) N. 49° 50′, W. 7° 25′	.....	.....	48.2	9.0	.....	w	.....	.....	4	.....	k	.....	w.	0	0	r'gh	w.	clear.
S. S. France, N. 41° 18′, W. 49° 33′ *†	30.02	762 5	.....	.....	.....	ne.	.....	.....	4	.....	10	.....	e.	rain	rain	.....	e.	covered.
Bk. Fred. W Carlon, N. 25° 53′, W. 83° 47′ †	30.23	767.8	.....	.....	.....	sse.	.....	.....	2	.....	2	.....	sse.	0	0	sm'h	w	hazy.
S. S. Gallia, N. 41° 35′, W. 57° 11′	29.93	760.2	63	17.2	.....	wsw.	.....	.....	6	.....	10	.....	.....	.....	.....	con.	.....	rainy.
S. S. Gellert, N. 40° 20′, W. 60° 52′	.....	.....	65.5	18.6	.....	w.	.....	.....	6	.....	4	.....	w.	4 h'r	4 h'r	high	w.	rainy.
Bk. Godeffroy, N. 32° 15′, W. 70° 48′	30.25	768.3	69.1	20.6	94	ssw.	.....	.....	4-5	.....	9	.....	ssw.	0	0	mod.	s.w	cloudy.
S. S. George S. Thomas, N. 12° 05′, W. 46° 39′	.....	.....	.....	.....	.....	ene.	.....	.....	5	.....	3	.....	ene.	2 h'r	2 h'r	cross	.....	showery.
S S. Iowa, off ape Clear, Ireland	.....	.....	41	5.0	.....	ssw.	.....	.....	6	.....	9	.....	ssw.	5 h'r	5 h'r	r'gh	ssw.	drizzling
S. S. Lampassas, N. 38° —′, W. 74° 30′	.....	.....	51?	10.6?	.....	se.	.....	.....	6	.....	10	.....	sw.	20 h'r	20 h'r	high	sse.	overcast.
Bg. Lilian. N 30° 26′, W. 72° 42′ †	30.29	769.4	73	22.8	.....	s.	.....	.....	3	.....	3	.....	s.	0	0	mod	var.	fair.
S. S. Nurnberg, N. 42° 04′, W. 51° 44′	30.07	763.8	37.4	3 0	.....	ene.	.....	.....	5	.....	10	.....	ene.	13 h'r	13 h'r	mod	ene.	rainy.
S. S. Nessmore, Liverpool, Eng	.....	.....	52	11.1	86	var.	.....	.....	4	.....	3	.....	sw.	6 h'r	6 h'r	.....	.....	clear.
Schr. Norena, N. 29° 08′, W. 70° 49′ *†	30.29	769.4	.....	.....	.....	se.	.....	.....	3	.....	7	.....	nne.	0	0	mod.	ene.	fair.
S. S. Orinoco, Hamilton, Bermuda †	30.37	771.4	70	21.1	.....	s.	.....	.....	2	.....	0	.....	.....	0	0	mod	ssw.	hazy.
Bk. Orpheus, N. 42° 34′, W. 44° 22′ *	29.98	761.5	48	8.9	.....	var.	.....	.....	4-6	.....	10	.....	.....	8 h'r	8 h'r	mod.	nne.	drizzling.
S. S. Pennsylvania, N. 41° 00′, W. 47° 50′ †	30.14	765.5	56	13.3	100	nne.	.....	.....	4	.....	8	.....	ne.	1 h'r	1 h'r	mod.	ssw.	overcast.
S. S. Rhaetia, N. 49° 43′, W. 16° 43′	29.26	743.2	40	4.4	.....	wnw	.....	.....	7	.....	10	.....	w	hail	hail	h'vy	nw.	stormy.
Bg. Rising Sun. N. 32° 05′, W. 74° 44′ *†	30.18	766.6	70	21.1	.....	s.	.....	.....	5	.....	1	.....	ssw.	0	0	long	s.	clear.
S. S. Salerno, Hull, Eng †	29.48	748.8	40	4.4	.....	calm	.....	.....	0	.....	5	.....	se.	0.5	13.	.....	.....	raining.
S. S. Salier, N. 48° 14′, W. 26° 43′	29.61	752.1	.....	.....	.....	nw.	.....	.....	6-7	.....	.....	.....	nw.	18 h'r	18 h'r	high	nw.	squally.
S. S. Silesia, N. 49° 04′, W. 22° 28′	29.41	747.0	39	3.9	91	wnw.	.....	.....	8-10	.....	7	.....	w	.....	.....	.....	.....	raining.
S. St. David, N. 50° 49′, W. 10° 58′	.....	.....	.....	.....	.....	sw.	.....	.....	7	.....	10	.....	var.	8 h'r	8 h'r	h'vy	var.	hail & snow.
S. S. The Queen N. 43° 48′, W. 66° 47′	30.07	763.8	42	5.6	.....	wnw.	.....	.....	2	.....	fg	.....	.....	.....	.....	mod.	ne.	dense fog.
Bk. Tuck Sing, N. 20° 31′, W. 78° 56′ *†	30.10	764.5	.....	.....	.....	ne.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Venetian, N. 50° 53′, W. 15° 25′	.....	.....	36	2.2	.....	nnw.	.....	.....	7	.....	10	sw.	nnw.	9 h'r	9 h'r	r'gh	nw.	sleeting.
S. S. Westernland, N. 50° 11′ W. 36° 00′	29.66	753.4	48	8.9	70	wsw.	.....	.....	4	.....	10	.....	wsw.	0	0	.....	.....	overcast.
S. S. W. A. Scholten, N. 47° 08′, W. 32° 25′	29.79	756.7	42.3	5.7	88	nw.	.....	.....	9	.....	.....	.....	nw.	.....	.....	7	w	squally.
S. S. Zeeland, N. 48° 37′, W. 18° 37′ *†	29.23	742.4	43	6.1	.....	w.	.....	.....	7	.....	10	.....	wnw.	.....	.....	long	w.	rainy.
S. S. Australia, N. 41° 27′, W. 48° 59′ †	30.05	763.3	42	5.6	.....	e.	.....	.....	4	.....	10	.....	se.	6 h'r	6 h'r	mod.	sw.	hazy.
Bk. George Davis, N. 52° 08′, E. 2° 40′ *†	29.54	750.3	.....	.....	.....	nnw.	.....	.....	5	.....	.....	.....	wnw.	8 h'r	8 h'r	sm'h	.....	rainy.
Schr. Adda Doane, N. 37° 10′, W. 74° 30′ †	30.06	763.5	.....	.....	.....	sse.	.....	.....	1	.....	10	.....	s.	2 h'r	2 h'r	short	ssw.	cloudy.
S. S. Baltic, N. 40° 26′, W. 70° 04′	.....	.....	.....	.....	.....	ne.	.....	.....	4	.....	8	.....	ne.	6 h'r	6 h'r	sm'h	.....	fair.
S. S. Chalmette, N. 37° 54′, W. 74° 30′ *†	30.11	764.8	45	7.2	.....	nne.	.....	.....	6	.....	9	.....	ssw.	4 h'r	4 h'r	mod.	sse.	cloudy.
S. S. Erin, N. 50° 06′, W. 40° 09′ †	29.62	752.3	48	8.9	.....	s.	.....	.....	3	.....	1	.....	s.	3 h'r	3 h'r	sm'h	.....	clear.
S. S. Grecian, N. 42° 04′, W. 54° 00′	30.04	763.0	42	5.6	100	e.	.....	.....	6	.....	10	.....	.....	24 h'r	24 h'r	high	ese.	hazy.
Schr. Jas. Slater, N. 18° 56′, W. 46° 14′	.....	.....	75	23.9	.....	ene.	.....	.....	5	.....	5	.....	ese.	½ h'r	½ h'r	.....	.....	squally.
Bg John Wesley, N. 34° 51′, W. 69° 13′ *†	30.21	767.3	.....	.....	.....	sw.	.....	.....	5	.....	5	.....	sw.	½ h'r	½ h'r	cross	.....	misty.
S. S. Lone Star, N. 30° 48′, W. 80° 20′ *†	30.15	765.8	70	21.1	.....	ssw.	.....	.....	4	.....	2	.....	ssw.	4 h'r	4 h'r	mod.	ssw.	clear.
S. S. Lessing, N. 40° 30′, W. 54° 38′	30.08	764.0	65	18.3	.....	sw.	.....	.....	4	.....	10	.....	sw.	½ h'r	½ h'r	mod.	wsw.	overcast.
S. S. Ohio, (Am) Philadelphia, Pa†	30.12	765.0	31.5	— 0.3	100	ne.	.....	.....	2	.....	10	.....	.....	6 h'r	6 h'r	.....	.....	overcast.
S. S. St. Laurent, N. 43° 20′, W. 50° 45′	.....	.....	31.1	— 0.5	.....	ene.	.....	.....	6	.....	10	.....	ene.	6 h'r	6 h'r	r'gh	ene.	covered.
Schr. Viola Reppard, N. 39° 55′, W. 70° 12′	.....	.....	40	4.4	.....	nne.	.....	.....	3	.....	10	.....	nne.	10 h'r	10 h'r	.....	se.	cloudy.
Bk Western Chief, N. 47° 00′, W. 20° 59′ *†	29.41	747.0	.....	.....	.....	nnw.	.....	.....	8	.....	6 k	.....	w.	.....	.....	7	nw.	hailing.
S. S. Werra, N. 49° 15′, W. 23° 56′ *	29.42	747.2	43.7	6.5	.....	nw.	.....	.....	9	.....	9	.....	nw.	0	0	high	nw.	stormy.
U. S. Navy Yard, Portsmouth, N. H	.....	.....	19	— 7.2	84	ne.	16	7.2	.....	.....	10	.....	ne.	0	0	.....	.....	cloudy
U. S. S. Galena N. 29° 48′, W. 71° 40′ *	30.21	767.3	71	21.7	90	s.	.....	.....	1	.....	5	.....	s.	.....	.....	sm'h	.....	fair.
U. S. S. New Hampshire, Newport, R. I	30.18	766.6	32	0.0	.....	nne.	.....	.....	5	.....	10	.....	nne.	.....	.....	sm'h	.....	overcast.
U. S. S. Powhatan, Port Royal, S.C	30.08	764.0	60	15.6	100	ssw	.....	.....	3	.....	10	.....	sw.	.....	.....	.....	.....	cloudy.
U. S. S. Quinnebaug, Leghorn, Italy	29.77	750.1	57	13.9	75	sw.	.....	.....	2	.....	2	.....	sw.	.....	.....	sm'h	.....	fair.
U. S. S. Saratoga, New York, N. Y.	30.15	765.8	30	— 1.1	100	ne.	.....	.....	3	.....	10	.....	ne.	light	light	sm'h	.....	overcast.
U. S. S. Tennessee, Sacrificios Id, Gulf of Mexico	30.01	762.2	75	23.9	90	n.	3	1.3	.....	.....	1	.....	calm	0	0	sli't	n.	clear.
U. S. S. Yantic, Port Royal, S.C	30.07	763.8	62	16.7	94	s.	.....	.....	2	.....	5	wnw.	.....	.....	.....	sm'h	.....	fair.
H. M. S. Alexandra, N. 35° 28′, E. 26° 03′	29.81	757.2	61	16.1	71	wnw.	.....	.....	1	.....	10	ssw.	.....	.....	.....	.....	.....	overcast.
H. M. S. Boadicea, Ambas Bay, W. Africa	29.85	758.2	83	28.3	100	ssw.	.....	.....	1	.....	3	sse.	.....	.....	.....	.....	.....	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.32	770.1	67	19.4	89	se.	.....	.....	4	.....	2	ne.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Himalaya, N. 36° 23′, W. 14° 42′	30.18	766.6	61	16.1	100	w.	.....	.....	2	.....	1	.....	.....	.....	.....	1	wnw.	blue sky.
H. M. S. Minotaur, Suda Bay, Mediterranean	29.78	756.4	57	13.9	81	e.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	overcast
H M. S. Myrmidon, N. 36° 26′, E. 13° 11′	.....	.....	60	15.6	79	nw.	.....	.....	3	.....	2	.....	.....	.....	.....	2	wnw.	d. clouds.
H. P. M. S. Bengo, N. 9° 48′, W. 19° 34′	29.93	760.1	73.4	23.0	87	nne.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	blue sky.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.84	757.8	84.6	29.2	83	sse.	.....	.....	1	.....	10	.....	.....	0	0	1	se.	d. clouds.
S. S. British Prince, N. 39° 21′, W. 62° 33′ †	30.06	763.5	68	20.0	95	wsw.	.....	.....	6	.....	10	.....	wsw.	6 h'r	6 h'r	r'gh	wsw.	heavy rain.
S. S. Circassian, N. 44° 09′ W. 63° 42′	.....	.....	30	— 1.1	100	ene.	.....	.....	6	.....	10	.....	e.	.....	.....	7	e.	overcast.
S. S. Scandinavian, Portland, Me	30.31	769.9	24	—4.4	.....	nnw.	.....	.....	4	.....	10	.....	.....	4 h'r	4 h'r	.....	.....	overcast.
S. S. Sardinian, N. 51° 52′, W. 21° 52′	29.26	743.2	35	1.7	.....	nw.	.....	.....	6	.....	7	.....	nw.	2 h'r	2 h'r	mod.	nw.	cloudy
S. S. Dorian, N. 37° 47′, W. 9° 23′	29.98	761.5	62	16.7	.....	var.	.....	.....	2	.....	8	.....	s.	0	0	mod.	nw.	fine.
S. S. Furnessia, N. 42° 26′, W. 53° 16′ *†	30.11	764.8	45	7.2	.....	ne.	.....	.....	5	.....	10	.....	wsw.	0	0	sm'h	wnw.	dense mist.
S. S. Galatia, N. 41° 02′, E. 12° 06′	.....	.....	62	16.7	.....	wnw.	.....	.....	5	.....	7	.....	wnw.	½ h'r	½ h'r	light	wsw.	fine.
S. S. Carroll, N 42° 50′, W. 69° 10′ *†	30.25	768.3	32	0.0	.....	ene.	.....	.....	4	.....	10	.....	ene.	rain	rain	long	ene.	cloudy.
S. S. Wyoming, N. 42° 28′, W. 50° 38′	30.15	765.8	32	0.0	.....	ne.	.....	.....	6	.....	9	.....	ne.	14 h'r	14 h'r	r'gh	ne.	heavy rain
S. S. Bohemia, N. 41° 40′, W. 47° 30′	.....	.....	.....	.....	.....	var.	.....	.....	5-6	.....	9	.....	var.	.....	.....	h'vy	e.	rainy.
S. S. Westphalia, Sandy Hook. N. J	.....	.....	36	2.2	.....	ne.	.....	.....	2	.....	10	.....	.....	3 h'r	3 h'r	sm'h	.....	covered.
S. S. Virginian, N 48° 41′, W. 28° 57′	.....	.....	38	3.3	.....	w.	.....	.....	9	.....	.....	.....	w.	1 h'r	1 h'r	h'vy	w.	threatening.
S. S. Archimedes, (Br) N. 10° 53′, W. 26° 56′	30.03	762.7	.....	.....	.....	nne.	.....	.....	5	.....	10	.....	ne.	.....	.....	mod	nne.	overcast.
S. S. Teniers, N. 12° 27′, W. 25° 20′	30.06	763.5	73.5	23.1	64	nne.	.....	.....	6	0	5 k	.....	.....	0	0	4	nne.	d. clouds.
S. S. Archimede, (It) New York, N. Y †	30.19	766.8	.....	.....	.....	ene.	.....	.....	4	.....	7	.....	ene.	6 h'r	6 h'r	.....	.....	cloudy.
S. S. Picqua, Lisbon, Portugal †	29.95	760.7	56	13.3	94	wsw.	.....	.....	9	.....	.....	.....	sw.	8 h'r	8 h'r	.....	.....	cloudy.
S. S. City of Meridn, N. 32° 21′, W. 79° 20′	.....	.....	.....	.....	.....	s.	.....	.....	3	.....	10	.....	sw.	1 h'r	1 h'r	h'vy	s.	squally.
S. S. Canada, (Br) N. 40° 18′, W. 71° 53′ †	30.15	765.8	41?	5.0?	.....	ne.	.....	.....	5	.....	10	.....	ne.	8 h'r	8 h'r	mod.	ne.	cloudy.
S. S. Helvetia, N. 40° 38′, W. 58° 15′	29.95	760.7	62	16.7	100	ssw.	.....	.....	5	.....	6	.....	s.	2 h'r	2 h'r	mod.	ssw.	cloudy.
S. S Italy, N. 42° 33′, W. 50° 35′ *	30.09	764.3	36	2.2	95	ne.	.....	.....	6	.....	10	.....	ene.	8 h'r	8 h'r	long	ene.	h'vy sleet.
S. S. Hohenstaufen, N. 36° 55′, W. 70° 12′	30.07	763.8	54.5	12.5	.....	n.	.....	.....	3	.....	6	.....	s.	0	0	light	n.	foggy.
S. S. Neckar, N. 52° 09′, E. 2° 40′	29.55	750.6	42.8	6.0	85	sw.	.....	.....	2	.....	3?	.....	sw.	6 h'r	6 h'r	sm'h	.....	cloudy?
S. S. Rhein, N. 40° 15′, W. 68° 47′	30.16	766.1	.....	.....	.....	ne.	.....	.....	5	.....	8	.....	ne.	0	0	mod.	ne.	cloudy.
S. S. Muriel, N. 22° 50′, W. 65° 40′	30.27	768.8	76	24.4	.....	e.	.....	.....	4	.....	0	.....	.....	0	0	long	e.	clear.
S. S. Pennland, N. 40° 17′ W. 70° 43′	30.14	765.5	37	2.8	.....	ne.	.....	.....	4	.....	4?	.....	n.	.....	.....	mod	nne.	cloudy?
S. S. Vaderland, N. 49° 21′, W. 12° 00′	.....	.....	51	10.6	.....	sw.	.....	.....	6	.....	10	.....	nw.	12 h'r	12 h'r	mod.	w.	raining.
S. S. Waesland, N. 44° 11′, W. 38° 55′	30.16	766.1	38	3.3	.....	nnw.	.....	.....	7	.....	10	.....	n.	4 h'r	4 h'r	h'vy	var.	squally.
S. S. Amsterdam, N. 40° 22′, W. 71° 24′ *	30.15	765.8	.....	.....	91	ne.	.....	.....	3	.....	6	.....	nw.	0	0	.....	.....	cloudy.
S. S. Zaandam, N 50° 40′, E. 0° 15′	29.59	751.6	52.7	11.5	82	wsw.	.....	.....	5	.....	2	.....	wsw.	0	0	long	wsw.	fair.
S. S. Maasdam, N. 40° 05′, W. 55° 59′ *	30.15	765.8	67.5	19.7	92	wsw.	.....	.....	6	.....	9	.....	wnw.	0	0	6	wsw.	cloudy.
S. S. State of Nevada, N. 54° 41′, W. 13° 08′ *†	29.16	740.7	45	7.2	.....	sw.	.....	.....	5	.....	5	.....	w.	0	0	long	wnw.	fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Amount and kind.		Direction.						
								Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
S. S. Saxon, Philadelphia, Pa *†	30.12	765.0	31	— 0.6		ne.			2		10			rain	rain			dense fog.
S. S. Republic, N. 46° 52′, W. 33° 03′†	29.85	758.2	42	5.6	74	nw.			6		8		nw.	0	0	long	nw.	squally.
S. S. Marengo, N. 41° 10′, W. 43° 50′†	30.04	763.0	51	10.6		e.			5		4		e.	18 h'r	18 h'r	mod.	ene.	hazy.
S. S. Rialto, Boston, Mass						ene.			5		8		e.	7 h'r	7 h'r	mod.	e.	cloudy.
Schr. Arthur Burton, N. 32° 01′, W. 72° 11′						ssw.			3		7		ssw.	0	0	r'g'h	s.	threatening.
Bgt Achsah, Port of Spain, Trinidad, W. I†	30.04	763.0	78	25.6		calm			0		2		ene.	0	0			clear.
S. Annie, N. 24° 20′, W. 40° 41′*	30.24	768.1				ene.			5		5?		ene.	0	0	long	e.	cloudy.?
Schr. Abbie H. Gheen, Springwood Mills, S.C *†	30.10	764.5	62	16.7		ssw.			4									clear.
Bk. Alpha, N. 35° 30′, W. 20° 00′*†	30.18	766.6	60	15.6		w.			5		5		w.	sh'rs	sh'rs	sm'h	nw.	squally.
Bk. Achille F., N. 20° 45′, W. 42° —′ *†	30.26	768.6	70	21.1	78	e.			5		2		e.	0	0	long	var.	fair.
Bk. Hore, N 39° 20′, W. 15° 03′ *†	29.96	761.0	59	15.0		wsw.			6		4		wsw.	10 h'r	10 h'r	mod.	wnw.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	75	23.9		nne.			4		10		ne.	24 h'r	24 h'r			cloudy
Bk. Cato, Oporto, Portugal †	29.91	759.7	55	12.8	90	ssw.			5					0	0			cloudy.
S. David Stewart, Orchilla Island, Venezuela			79	26.1		ne.			3		8		ene.	light	light	long	n.	
Schr. Edith R. Seward, N. 7° 43′. W. 58° 15′†	30.05	763.3	81	27.2		ne.			2		3		ne.	0	0	mod.	ne.	clear.
U. S. Fish Com. S. S Fish Hawk, Potomac river†	30.13	765.3	38	3.3		nw.			4		5		se.	0	0			fair.
S. Frank N. Thayer, N. 19° 11′. W. 36° 52′*†	30.22	767.6	72	22.2		ene.			6		10		e.	0	0	r'g'h	e.	squally.
Bg. George, Arroyo, Porto Rico, W. I*†	30.11	764.8				ese.			4		10		ese.	sh'rs	sh'rs	r'g'h	e.	squally.
Bk. Galeon, N. 37° 55′, W. 16° 23′			54	12.2		w.			5		8		w.	light	light		nw.	overcast.
S. Gatherer, N. 24° 25′, W. 38° 40′†	30.30	769.6	70	21.1	80	ese.			5		5?		ese.	0	0		n ;se.	cloudy.?
Bk. Heinrich & Tonio, N. 45° 00′. W. 21° 30′*†	29.68	753.9	49	9.4	71	wnw.			0		3		wnw.	6 h'r	6 h'r	r'g'h	nw.	squally.
Bk. Hattie G. McFarland, Aspinwall, U.S.C			77	25.0		ssw.			1		6		se.	2 h'r	2 h'r			
Schr. Jennie N. Huddell, Wilmington, N.C			63	17.2		s.					10		s.	1 h'r	1 h'r			threatening.
Bg. John Welsh, jr., Barbadoes, W. I†	30.03	762.7				ene.			5									
Schr. John Bird, N. 19° 50′. W. 78° 39′* †	30.14	765.5				ene.			1		0			0	0	light	e.	clear.
Schr. Jenny Greenbank, N. 15° 23′, W. 57° 20′*	30.06	763.5	72	22.2		ne.			4		3		ene.	1 h'r	1 h'r	mod	ene.	fair.
Bg. L. & W. Armstrong, N. 16° 42′, W. 60° 41′ †	30.08	764.0				ese.			4		2		e.	1 h'r	1 h'r	long	e.	
Light-house tender Laurel, off Sanibel Island, Fla†	30.18	766.6	74	23.3		se.			0–1		0			0	0			clear.
S. S. Madrid, Savona, Italy			58	14.4	87	ene.			1		3		e.	2 h'r	2 h'r			fair.
Schr. Maggie Abbott, Gonaives, Hayti, W I*†	30.06	763.5				n.			6		2			0	0			clear.
Schr. Nellie T. Morse, N. 26° 56′, W. 84° 32′†	30.16	766.1	74	23.3		sse.			1		0			0	0	light	ssw.	clear
Bk. Rosina, N. 39° 00′, W. 61° 37′	30.15	765.8	68	20.0		wsw.			6		10			12 h'r	12 h'r	large	sw.	raining.
Bk. Sunbeam, Lisbon, Portugal			56	13.3	88	s.			5		8		s.	0	0			cloudy.
S. Stephen D. Horton, Antwerp, Belgium †	29.67	753 6				sw.			5		8		ssw.	0	0			cloudy.
S. Tsemogora, N. 43° 07′. W. 27° 04′*†	29.85	758.2				wnw.			5		5		wnw.	0	0	long	w.	fair.
Bk. Tros, N. 37° 59′, W. 21° 38′ *†	30.09	764.3	60	15.6		wsw.			0		5		ssw.	0	0	mod.	wnw.	squally.
S. Vincenzo Accame, N. 36° 06′, W. 4° 31′†	29.94	760.5	57.2	14		w.			3		3		nnw.	3 h'r	3 h'r	sm'h		fair.
District No. 2—South Atlantic.																		
H. M. S. Amethyst, Stanley, Falkland Islands	29.60	754.1	49.5	9.7	60	wsw.			6–7		3	s.				2	wsw.	squally.
H. M. S. Opal, Simons Bay, Cape Colony	29.90	759 4	70	21.1	75	se.					2	se.						blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	30.02	762.5	71	21.7	80	nne.			3		0							blue sky.
H.P.M S Rainha de Portugal, Mossamedes, Benguela	29.86	758 4	70.9	21.6	73	wnw.			3		1			0	0	2		blue sky.
S. S. Hevelius, Montevideo, Uruguay*†	30.19	766.8	78	25.6		ene.			4		1			0	0			clear.
S. S. Strassburg, S. 22° 41′, W. 39° 54′	30.07	763.8	76.5	24.7	93	ne.			4		1							clear.
S. Grecian, S. 3° 36′, W. 31° 48′†	30.02	762 5	83	28.3	79	s.			4		2		ne.	6 h'r	6 h'r	4	var.	covered.
S. Henry Failing, S. 2° 08′, W. 31° 13′*†	29.87	758.7	87	30.6	80	nw.			2		5		var.	0	0	long	n.	fair.
Bk. Horace Scudder, Loango, Guinea*†	30.10	764.5	82	27.8		sw.			1		3		nw.	0	0	long	nne.	clear.
S. Ismir, S. 35° 12′, W. 27° 18′ *†	30.20	767.1				calm			2		2		sw.	0	0		sw.	clear.
Bkt. Levanter, Montevideo, Uruguay*	30.09	764.3	73	22.8		nne.			0		3		se.	0	0	sm'h		fair.
S. S. Mendoza, S. 22° 27′, W. 36° 00′†	30.15	765.8				ne; ne.			3		0							hazy.
S. S. Olbers, S. 8° 25′, W. 33° 08′	29.96	761.0	83	28.3	79	var.			2				ne.	6 h'r	6 h'r	sm'h	nne.	rainy.
U. S. S. Nipsic, S. 44° 50′, W. 57° 45′*	30.05	763.3	72	22.2	85	ne.			4		5		se.			3	se.	fine.
									3–4		0					sm'h		clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan			38.5	3.6	58	nnw.			4		8		sw.	0.06	1.5			clearing.
U. S. S. Essex, Hong Kong, China	30.18	766.6	59	15.0	76	ene			3		10		ene.					cloudy.
U. S. S. Juniata, Roze Island, Corea	30.18	766.6	37	2.8	100	w.			3		0			0	0			clear.
U. S. S. Palos, N. 38° 35′, E. 118° 52′	30.32	770.1	34	1.1	79	ese.			3		0					sm'h	se.	clear.
U. S. S. Ranger, Estero Real, Nicaragua	30.06	763.5	75	23.9	77	calm			0		0			0	0			clear.
H. M. S. Audacious, Hong Kong, China	30.16	766.1	60	15.6	82	ene.			3		10		ne.					overcast.
H. M. S. Champion, Shanghai, China	30.32	770.1	51	10.6	72	s.			1		0							blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.25	768.3	53	11.7	78	ne.			4–6		4		nw.			2		misty.
H. P. M S. Tamega, Macao, China			59.0	15	89	ene.			2		3			6 h'r	6 h'r			d. clouds.
U. S. S. Monocacy, Canton, China	30.17	766.3	57	13.9	87	ne.			1		10		calm			3	se.	drizzling.
S. S. Newbern, N. 33° 40′, W. 118° 22′			58	14.4	88	sw.			3		10		se.	0	0	small	sw.	cloudy
S. S. City of Chester, near Point Arena, Cal			54	12.2	100	sswW.			6		10			rain	rain	h'vy	w.	
S. S. Oregon, N. 39° 28′. W. 123° 58′			53	11.7	100	ssw.			4		8		ssw			r'g'h	s.	squally.
S. S. Alameda, San Francisco, Cal †	29.70	754.4	57	13.9	94	se.			3		10			rain	rain			overcast.
S. S. Ancon, San Pedro, Cal†	30.05	763.3	59	15.0	82	e.			3		3		w.	0	0			misty.
S. S. Geo. W. Elder, Seattle, Washington Ter.			39	3.9	82	calm			0		4?			0	0			cloudy.?
S. S. State of California, Portland Oregon†	29.39	746.5	35	1.7		nw.			2		10							raining.
S. S. City of Pekin, N. 30° 11′, E. 159° 20′†	30.18	766.6	65	18.3	94	s.			4		10		s.	0	0	mod.	s.	hazy.
S. S. City of Rio de Janeiro, N. 31° 46′, W. 177° 52′ †	30.33	770.4	61	16.1		nw.			4				wnw.			mod	wnw.	clear.
S. S. City of Tokio, N. 33° 31′. E. 136° 22′†	30.07	763.8	46	7.8	54	nnw			5		0					mod.	nnw.	clear.
S. S. Colima, Champerico, Guatemala†	30.04	763.0	76	24.4	91	ne.			2		6		nw.	0	0	small	w.	cloudy.
S. S. Granada, N. 17° 50′, W. 102° 29′ †	30.00	762.0	78	25.6	86	e.			1		0			0	0	light	nw.	clear.
S. S. San Jose, Panama, Panama			83	28.3	87	nw.			6		6		nw.	0	0			fair.
S. S. Benalder, Yokohama, Japan	29.97	761.2	40	7.8	84	calm			0		7		w.	6 h'r	6 h'r			cloudy.
S. S. Oceanic, N. 37° 05′, W. 125° 31′	29.65	753.1	57	13.9	87	s.			4		8		s.	rain	rain	4	s.	d. clouds.
District No. 4—South Pacific.																		
U. S. S. Pinta, S 53° 10′, W. 70° 53′	29.88	758.9	54	12.2	74	sw.			3		5		sw.					squally.
U. S. S. Wachusetts, S. 21° 34′, W. 70° 52′	30.00	762.0	67	19.4	89	sse.			2		8		e.			mod.	s.	cloudy.
H. M. S. Espiegle, S. 41° 17′, E. 174° 48′	29.61	752.1	62	16.7	100	ssw.			2–6		10							raining.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	29.71	754.6	61.3	16.3	86	sw.			4		8							squally.
H. M. S. Mutine, S. 27° 00′, W. 72° 35′	30.06	763.5	65	18.3		ssw.			3		10					2	ssw.	overcast.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.98	761.5	75	23.9	100	calm			0		7	sw.						d. clouds.
S. S. City of Sydney, S. 33° 11′ E. 177° 27′*†	29.89	759.2	68	20.0	79	wsw.			5		6 s		wsw.			h'vy	sw.	fair.
S. S. Zealandia, S. 14° 01′, W. 170° 37′	29.91	759.7	82	27.8	87	ne.			4		4					sm'h		fair.
S. S. Port Phillip, S. 28° 44′, E. 154° 14′	30.01	762.2	79	26.1	82	var.			1							mod.	e.	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 13° 48′, E 42° 53′	29.72	754.9	86	30.0	84	s.			6		0					mod.	s.	clear.
H. M. S. Magpie, N. 7° 20′, E. 9° 03′	29.86	758.4	83.3	28.5	73	ssw.			1		3							misty.
H. M. S. Tourmaline, S. 10° 26′, E 45° 43′	29.82	757.4	82	27.8	87	nnw.			3		3					3	nnw.	blue sky.
S. Orealia, S. 37° 12′, E. 73° 55′*	30.11	764.8				s.			6		5		s.	0	0	mod.	s.	fair.

International Chart I. March 9, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 10, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.97	761.3	64.8	18.2	69	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	Koziere.
Algiers	.....	.....	29.97	761.1	59.0	15.0	78	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.92	759.9	60.1	15.6	85	ene.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Fontrède.
Tunis	.....	.....	29.96	760.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.97	761.3	39.2	4.0	84	sw.	.....	.....	1	.....	5	.....	.....	0	0	cloudy	Forfert.
Laghouat	.....	.....	29.96	761.0	64.8	18.2	.....	calm	.....	.....	0	.....	10	.....	.....	1.228	31.2	covered	Abraham.
Biskra	.....	.....	30.00	761.9	61.9	16.6	75	calm	.....	.....	0	.....	8	.....	.....	0	0	very cloudy	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.14	765.5	57.7	14.3	72	calm	0	0	.....	.....	1 ks	.....	.....	0.005	0.1	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.75	755.6	29.94	760.5	53.3	11.8	82	s.	5	2.2	.....	.....	10	.....	w.	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	29.87	758.7	29.97	761.2	55.1	12.8	89	sw.	21	9.4	.....	.....	10	.....	.....	0.23	5.8	showery	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.30	744.1	29.85	758.2	50.4	10.2	42	w.	.....	.....	3	.....	5	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.03	737.3	29.82	757.3	36.7	2.6	75	e.	0.7	0.3	.....	.....	2	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	28.94	735.1	29.84	757.8	42.8	6.0	59	calm	.....	.....	0	.....	10 8	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.57	725.6	29.82	757.5	48.2	9.0	56	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.30	720 4	29.81	757.2	42.8	6.0	56	nw.	.....	.....	3	.....	10	.....	.....	0.102	2.6	.....	Prof. A. Gottschling
Kremsamunster, Obs'y	28.42	721.8	29.77	756.2	45.0	7.2	83	e.	.....	.....	2	.....	3	.....	.....	0	0	.....	The Staff.
Lemberg	28.84	732.5	29.86	758.5	33.6	0.9	68	s.	.....	.....	2	.....	1	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.80	756.8	29.91	759.7	53.8	12.1	75	ssw.	.....	.....	2	.....	4	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.34	745.1	29.80	757.0	47.3	8.5	47	w.	.....	.....	4	.....	6	.....	.....	0	0	.....	Joseph Midlinsky, S. J
Szegedin	29.56	750.7	29.84	757.8	52.7	11.5	54	s.	.....	.....	1	.....	6	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.84	757.9	29.94	760.4	49.8	9.9	69	nw.	.....	.....	1	.....	7	.....	.....	0	0	.....	Royal Academy.
Vienna	29.11	739.4	29.84	758.0	41.4	5.2	87	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.17	715.4	29.56	750.8	45.7	7.6	86	sw.	.....	.....	1	.....	5	.....	.....	0.165	4.2	raining	
Brussels	29.19	741.4	29.39	746.5	49.5	9.7	81	s.	.....	.....	4	.....	10	.....	ssw.	0.020	0.5	light rain	
Furnes	29.34	745.3	29.36	745.8	44.1	6.7	90	sw.	.....	.....	1	.....	10	.....	.....	0.043	1.1	raining	
Maeseyck	29.31	744.4	29.43	747.6	54.3	12.4	64	s.	.....	.....	2	.....	10	.....	.....	0.008	0.2	.....	
BRITISH.																			
Aberdeen	28.99	733 3	29.09	738.9	33.7	0.9	90	w	16	7.2	.....	.....	10	.....	.....	0.280	7.1	snowing	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.22	742.2	42.8	6.0	61	sw.	16	7.2	.....	.....	3	.....	.....	.....	.....	blue sky	John Hartnup.
Bolton, Sharples	28.69	728.7	29.22	742.2	39.8	4.3	69	wsw.	12	5.4	.....	.....	7	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	28.80	731.5	29.19	741.4	41.5	5.3	71	sw.	.....	.....	4	.....	8	.....	.....	0.16	4.1	d. clouds	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.00	762.0	30.03	762.7	80	26.7	78	e.	.....	.....	3	.....	6?	.....	.....	.....	.....	overcast?	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	43.4	6.3	79	w.	.....	.....	0.6	.....	6	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E.	29.14	740.1	29.31	744.5	47.1	8.4	79	sw.	.....	.....	1	.....	6	.....	.....	blank	blank	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.08	738.6	29.31	744.5	44.7	7.1	65	ssw.	.....	.....	4	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27 54	699.5	29.85	758 2	75.0	23.9	72	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	gloomy	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	28.99	736.3	29.03	737.3	36	2.2	80	s.	.....	.....	3	.....	10	.....	.....	0.21	5.3	snowing	Wm. Ryan.
Gibraltar, Mediterranean	30.03?	762.7?	30.13?	765.3?	01.2	16.2	92	nw.	.....	.....	5	.....	6	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.11	739.4	29.28	743.7	47 2	8.4	74	wsw.	.....	.....	4	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.11	739.4	29.40	746.7	48.0	8.9	70	w.	.....	.....	4	.....	4	.....	.....	0.54	13.7	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	29 26	743.2	29.30	744 2	46.4	8.0	73	w.	11	4.9	.....	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.01	736.8	29.26	743 2	43.5	6.4	66	w.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.84	757.9	29.92	760.0	60.0	15.6	66	nw.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.18	766.6	30.22	767.6	74.0	23.3	88	se.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.07	738.4	29.30	744.2	41.9	5.5	83	nw.	.....	.....	4	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.23	742.4	29.30	744 2	40.9	8.3	70	sw.	.....	.....	3	.....	5	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	28.97	735 8	29.07	738.4	36.8	2.7	78	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	raining	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.76	755.9	29.82	757.4	51.6	10.9	66	n.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	28.99	736 3	29.27	743.4	42.2	5.7	80	sw.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	29.13	739.9	29.16	740.7	42.8	6.0	77	sw.	.....	.....	3	.....	4	.....	.....	0.135	3.4	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.23	742.4	40.3	4.6	66	wsw.	11	4.9	.....	.....	8	.....	.....	0.010	0.3	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	48.0	8.9	78	w.	.....	.....	2.5	.....	8	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.09	738.9	29.12	739.6	32.9	0.5	90	wsw.	16	7.2	.....	.....	10	.....	.....	.....	.....	snowing	The Met'r'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.61	752.1	30.00	762.0	59.0	15.0	66	nw.	4.3	1.9	.....	0	3 k	.....	nw.	0	0	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	30.04	763.0	30.16	766.1	59.6	15.3	87	e.	20	8.9	.....	.....	10 k	.....	e.	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	.....	.....	.....	.....	17.0	— 8.3	.....	e.	2.5	1.1	.....	.....	10 n	.....	.....	0.300	7.6	snowing	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.67	753 6	29.71	754.6	28	— 2.2	89	se.	15	6.7	.....	.....	10 n	.....	.....	0.160	4.1	light hail	H. J. Cundall, C. E.
Chatham, N. B*	29.81	757.2	29.88	758.9	13	—10.6	100	n.	9	4.0	.....	.....	10 n	.....	n	0.29	7.4	heavy snow	G. A. Blair.
Cornwall, Ontario	29.91	759.7	30.13	765.3	15.3	— 9.3	100	nw.	.....	.....	1	0	0	.....	.....	0.600	15.2	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.90	759.4	29.95	760.7	11.0	—11.7	.....	calm	.....	.....	0	0?	0?	.....	.....	0.200	5.1	snowing?	H. A. Johnson.
Father Point, Quebec*	29.93	760.2	29.90	761 0	14	—10.0	91	s.	2	0.9	.....	.....	10 n	.....	.....	0.40	10.2	heavy snow	J. McWilliams
Fort Garry, Manitoba*	28.94	735.1	29.83	757.7	13	—10.6	100	e.	11	4.9	.....	.....	10 n	.....	e.	.....	.....	light snow	James Stewart.
Fredericton, N. B	29.73	755.1	29.80	756.9	15.1	— 9.4	98	ne.	8	3.6	.....	.....	10 n	.....	.....	0.800	20.3	snowing	Dr. Thos. Harrison.
Grand Manan, N. B	29.59	751.0	29.65	753.1	21	— 6.1	96	ne.	30	13.4	.....	.....	10 n	.....	.....	0.03	0.8	sleeting	J. Chipman Seeley
Granton, Ontario	29.21	741.9	30.46	773.7	0.5	—17.3	96	calm	0	0	.....	0	0	.....	.....	inap.	inap.	blue sky	Jas. Grant.
Halifax, N. S*	29.48	748.8	29.61	752.1	31	— 0.6	100	e.	12	5.4	.....	.....	10 n	.....	.....	0.170	4.3	light rain	A. Allison.
Hamilton, Ontario	29.90	759.4	30.34	770.6	17.9	— 7.8	88	w.	.....	.....	1	4 c	0	w.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.89	759.2	30.26	768.6	14	—10.0	87	nw.	9	4.0	.....	0	0	.....	.....	0.40	10.2	clear	A. P. Knight, M. A.
Little Glace Bay, N. S	29.65	753.1	29.69	754.1	28.2	— 2.1	98	se.	4	1.8	.....	.....	10 n	.....	.....	.....	.....	snowing	C. H. Rigby.
London, Ontario	29.44	747.8	30.45	773.4	7.9	—13.4	95	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27 04	686.8	29.48	748.8	5	—15.0	96	s.	1	0.4	.....	.....	10 n	.....	.....	0.35	8.9	cloudy	John Ewart.
Minnedosa, N. W. T	27.73	704.3	29.84	757.9	2	—16.7	100	ne.	20	8.9	.....	.....	10 n	.....	ne.	0.01	0.3	light snow	Rev. J. M. Wellwood.
Montreal, Quebec*	29.84	757.9	30.06	763.5	22	— 5.6	80	w.	16	7.2	.....	0	0	.....	.....	0.40	10.2	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.92	760.0	30.17	766.3	10.2	—12.1	97	w.	.....	.....	.....	0	0	.....	.....	0.100	2.5	blue sky	A. McCill, M. A.
Parry Sound, Ontario*	29.57	751.1	30.37	771.4	— 8	—22.2	61	w.	1	0.4	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.50	749 3	30.30	769.6	16.6	— 8.6	69	sw.	.....	.....	1	2 c	0	sw.	.....	0.21	5.3	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.41	747.9	30.18	766.6	7	—13.9	70	n.	1	0.4	.....	.....	10 n	.....	.....	0	0	cloudy	W. P. Cooke.
Port Dover, Ontario	29.65	753.1	30.41	772.4	10	—12.2	100	calm	0	0	.....	0	0	.....	.....	0.03	0.8	clear	R. Morgan.
Port Sunlay, Ontario	29.70	754.4	30.41	772.4	8	—13.3	100	nw.	3	1.3	.....	0	0	.....	.....	0.04	1.0	clear	M. Payne.
Qu Appelle, N. W. T	27.31	093 7	29.76	755.9	3.7	—15.7	.....	e.	14	6.3	.....	.....	10 n	.....	.....	0.10	2.5	light snow	Leslie Gordon.
Quebec, Quebec*	29.58	751.3	29.96	761.0	19	— 7.2	96	calm	0	0	.....	.....	10 s	.....	calm	0.40	10.2	light snow	Capt. Asse, R. N.
Rockliffe, Ontario*	29.80	756.9	30.32	770.1	— 8	—22.2	82	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.62	752.3	29.08	753.9	19	— 7.2	98	ne.	24	10.7	.....	.....	10 n	.....	.....	0.35	8.9	heavy snow	
St. John, N. B	29.52	749.8	29.67	753.6	18.2	— 7.7	100	n.	24	10.7	.....	.....	10 n	.....	.....	inap.	inap.	snow & hail	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.08	764.0	23.0	— 5.0	.....	se.	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sugeen, Ontario	29.57	751.1	30.37	771.4	9	—12.8	100	sw.	2	0.9	.....	0	0	.....	.....	0.05	1.3	clear	
Stratford, Ontario	29.00	736.6	30.41	772.4	9.5	—12.5	82	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill	Weather.	Observers
CANADIAN.—(Continued.																			
Sydney, C. B*	29.87	758.7	29.94	760.5	27	— 2.8	96	e.	13	5.8			10 n			0	0	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.96	761.0	30.39	771.9	10	—12.2	91	s.	6	2.7		0	0			0.10	2.5	clear	Magnetic Observatory.
Woodstock, Ontario	29.47	743 4	30.45	773.4	6.8	—14.0	88	s.	3	1.3		0	0			0.125	3.2	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.41	747.0	29.47	748.5	36	2.2	96	e.	16	7.2			10 s		se.	0.21	5.3	heavy rain	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.96	761.0	29.99	761.7	72.5	22.5	92	e.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.83	757.7			77.0	25.0	44	nnw.				0	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.90	708.6			79	26.1	52									0	0		J. T. Bustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.50	749.3	29.61	752.0	59.4	15.2	93	w.			1		3 n		nw.	0	0		Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					59.9	15.5	89	w.			1		10 n		w.	0	0	cloudy	Leon Herrera.
Valparaiso	29.90	759 4	30.04	763.0	61.5	16.4	90	s.			1	0	0					clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.21	767.3	30.23	767.9	51.4	10.8	85	nw.	20.6	9.2			9 k			0	0	covered	M.Marc Dechevrens,S. J.
DANISH.																			
Copenhagen	29.72	754 9	29.77	756.1	31.1	— 0.5	92	se.	25	11			10					snowing	Oversergent Fischer.
Fanöe	29.57	751.0	29.59	751.5	32.5	0.3	81	e.			6		9						Overlœrer Lauridsen.
Godthaab, Greenland	29.71	754.7	29.76	755.8	1.4	—17.0	100	nne.			4–6		8						S. Kleinschmidt.
Ivigtut, Gree. land	29.50	749.2	29.52	749.7	12.7	—10.7		n.			4		0						
Stykkisholm, Iceland	28.98	736.2	29.03	737.3	35.4	1.9	75	ne.			8		8						A. O. Thorlacius.
Thorshavn	29.15	740.4	29.17	741.0	39.4	4.1	92	se.	27	12.			10					raining	Overlœrer Bergh.
Upernavik, Greenland	29.89	759.1	29.93	760.3	—17.9	—27.7		e.			2		0						
Vestervig	29.62	752.3	29.71	754.6	32.7	0.4	80	e.			6		10						Lœrer Oesterbol.
EGYPTIAN.																			
Cairo	29.76	755.9			70.7	21.5		nw.	4.3	1.9			6 k			0	0		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.05	737.8	29.70	754.3	56.1	13.4	77	sse.			1		9 n;cn	nw.	nw.	0	0		M. Labroue, Director.
Alençon, Normal School	28.81	731.7	29.36	745.7	42.4	5.8	85	s.			1		10 n		n.	0.12	3.	covered	M. Nicot, Director.
Arras, Normal School	29.14	740.2	29.39	746.4	44.8	7.1	90	wsw.			2		5		ne.	0.083	2.1	cloudy	M. Ungerer, Director.
Avignon, Normal School	29.73	755.2	29.81	757.2	58.6	14.8	57	sse.			1		5		se.	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.02	737.2	29 58	751.3	50.4	10.2	65	sw.			2		10		sw.	0.079	2.0	covered	M. Saillard, Director.
Beauvais, Normal School	29.16	740 6	29.42	747.3	50.4	10.2	80	ssw.			4		10		wsw.	0.016	0.4	covered	M. Frère Eugène Marie.
Besançon, Normal School	28.74	729.9	29.62	752.4	57.6	14.2	37	s.			6		cn		n.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.33	744.9	29.59	751.5	55.6	13.1	75	nw.			1		10		ssw.	0.016	0.4	covered	M. Rayet, Director.
Bourges, Normal School	29.05	737.9	29.60	751.8	52.2	11.2	77	wsw.			4		5		wsw.	0.091	2.3	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.22	742.3	29.47	748.5	51.4	10.8	72	sw.			2		5		sw.	0.217	5.5		M. de Kermaïré, Dir.
Caen, Normal School	29.34	745.1	29.41	747.0	50.7	10.4	95	sw.			1		10		sw.	0	0	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.16	740 7	29.48	748.8	51.4	10.8	69	s.			6		8		sw.	0.079	2.0	very cloudy	M. Jadot, Director.
Charleville, Normal School	28.97	735.9	29.49	749.0	47.5	8.6	89	w.			1		10					raining	M. Noël, Director.
Clermont-Ferrand Obs'y	28.26	717.9	29.58	751.2	63.0	17.2	18	sw.			4		5			0	0		M. Alluard, Director.
Cluny, Normal School	28.79	731.2	29.68	753.8	51.3	10.7	66	sse.			4		9			0.051	1.3		M. de Villemontée, Dir.
Commercy, Normal School	28 74	730 0	29.61	752.0	50.0	10.	74	s.			4		10			0.185	4.7	covered	Dr. Coulet, Director.
Gap, Normal School	27 31	693.6	29.83	757.6	54.7	12.6	43	calm			0		5 n			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.72	729.6	29.85	758.2	53.8	12.1	57	s.			4		9		se.	0	0		M. Kina, Director.
Grenoble, Normal School	28.95	735.4	29.70	754 4	62.6	17	46	ssw.			6		cn		s.	0	0		M. Ablard, Director.
Guéret, Normal School	27.99	711.0	29.56	750.8	53.6	12.	87	sw.			8		n		sw.	0.16	4.		M. Delorme, Dir.
Lambal e Normal School	29.08	738.7	29.36	745.7	48.6	9.2	76	wsw.			1		10 n		wsw.	1.004	25.5	raining	M. Polipre, Dir.
Lescar, Normal School	29.04	757.5	29.58	751.3	69.1	20.6	28	wsw.			4		k			0	0		M. Chauvin, Director.
Lorient, Naval Observatory	29.39	740.4	29.49	749 0	52.5	11.4	59	wsw.			2		5	e.	sw.	0.835	21.2	½ covered	L. T. Carré, Director.
Lyon, St. Genis-Laval	28.63	727.3	29.69	754.0	52.0	11.1	56	s.			8		8		w.	0	0	very cloudy	M. André, Director.
Mans, Normal School	29.18	741.2	29.49	749.0	46.6	8.1	86	w.			4		8 n		w.	0.075	1.9	very cloudy	M. Richard, Director.
Marseille, Observatory	29.56	750 7	29.83	757.6	57.0	13.9	67	se.			4		8		sse.	0	0		M. Stephan, Director.
Montlouis	24.55	623.5	29.39	746.5	44.6	7.0	48	wsw.	11.2	5.0			0			0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.61	752.2	29.72	755 0	58.6	14.8	87	ese.			6		5	se.		0	0	cloudy	M. Galzin, Director.
Nancy, Normal School	28.82	731.9	29.59	751.6	51.4	10.8	61	ssw.			2		n			0.122	3.1		M. Hasse, Director.
Nantes, Observatory	29.37	746.0	29.53	750.0	51.3	10.7	69	wsw.			0–2		10 n;kn		wsw.	0.244	6.2		M. Larroque, Director.
Perpignan, Observatory	29.61	752 0	29.72	754.8	58.1	14.5	53	calm			0		9			0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.93	531.5			26.1	— 3.3		w.			4		8		w.	0	0	very cloudy	M. Vaussenat, Director.
Privas, Normal School	28.73	729.8	29.80	757.0	49.3	9.6	74	s.			4		8	s.	s.	0	0	very cloudy	M. Taillen.
Puy de Dôme Obs'y, Summit	24.76	628 9			39.6	4.2	61	sw.			6		5			0.008	0.2		M. Alluard.
Rochefort, Naval Obs'y	29.57	751.0	29.60	751.8	52.5	11.4	83	wsw.			2		10		wsw.	0.063	1.6	covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.29	744 0	29.50	749 3	50.7	10.4	86	w.			1					0.24	6.		M. Brotlier, Director.
Rodez, Normal School	27 50	698.6	29.63	752.5	55.9	13.3	75	se.			2		1 ks		nw.	0	0	clear	M. Seger, Director.
Rouen, Normal School	29.41	746.9	29.45	748.1	48.9	9.4	81	w.			1		10		w.	0.39	10.	covered	M. Mouillot, Dir.
Saint Maur, Observatory	29.30	744.3	29.47	748.5	49.6	9.8	85	ssw.			6		10		sw.	0.024	0.6	covered	M. Renou, Director.
Toulouse, Observatory	28.97	735.9	29.69	754.0	60.1	15.6	60	sse.			2		5	w.		0	0	cloudy	M. Baillaud, Director.
Tours	29 35	745.4	29.52	749.9	52.9	11.6	86	sw.			4		10		sw.	0.043	1.1	raining	M. de Tastes.
Versailles, Observatory	28.99	736.4	29.49	749.0	49.6	9.8	74	sw.			2					0.063	1.6		Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.46	748.3	29.61	752.1	61.0	16.1	47	sw.	13.9	6.2			10 k		w.	0	0		M. Cartier, Director.
GERMAN.																			
Ansbach	28.27	718.0	29.71	754.7	49.5	9.7	57	sw.			2		3	sw.		0.035	0.9		Prof. Jnedt.
Bamberg	28.87	733.2	29.70	754.4	48.4	9.1	52	se.			1		0			0	0		Prof. Dr. Hoh.
Berlin	29.54	750.2	29.68	753.9	44.6	7.0	66	se.			1		4			0.098	2.5		Meteorological Institute
Breslau	29.27	743.5	29.80	756.9	44.2	6.8	68	sse.			2		10			0	0		Royal University Obs'y
Carlsruhe	29.17	741.0	29.62	752.4	56.5	13.6	51	sw.			2		8	sw.		0.016	0.4	raining	Albert Senz.
Cassel	28.88	733.6	29.60	751.7	49.6	9.8	65	s.			3		7	s.		0.008	0.2		Dr. H. Möhl.
Frankfort-on-the-Main	29.27	743 5	29.63	752.7	52.9	11.6	61	s.			1		8			0.047	1.2		Physical Society.
Friedrichshafen	28.28	718.4	29.69	754.1	50.7	10.4	64	se.			1		5	sw.		0	0		Wilhelm, Chief Tel.
Hamburg	29.52	749.9	29.61	752 2	39.7	4.3	84	se.			2		3			0.079	2.0	misty	E. Preller.
Kiel	29.60	751 9	29.62	752.3	36.3	2.4	86	ese.			2		10			0.059	1.5		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.27	743.5	29.69	754.2	47.1	8.4	65	s.			2		3	s.		0.004	0.1		H. Leppig, Asst.
Magdeburg	29.46	748.3	29.65	753 1	48.4	9.1	68	ese.			1		3	sw.		0.004	0.1		Weather Observatory.
Memel	29.93	760.3	29.98	761.5	33.6	0.9	89	e.			3		10 s						Isermann.
Munich	27.92	709.1	29.76	756.0	49.6	9.8	50	calm			0		3	se.		0.024	0.6		Central Station.
Neufahrwasser	29.89	759.2	29.91	759.6	35.1	1.7	68	se.			2		10			0	0		A. Lothes.
Neustadt, Palatinate	29.08	738.7	29.60	751.9	51.6	10.9	72	s.			2		9			0	0		Prof. Dicknether.
Stuttgart	28.71	729.2	29.59	751.6	55.4	13.0	50	sw.			2		7	w.		0	0		Prof. Dr. Schoder.
Wustrow	29.66	753 3	29.68	753.9	34.2	1.2	78	e.			3		10			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.48	748.8	29.87	758.6	61.3	16.3		sw.			1.0	5	0			0	0		Kokkides & Wourtisch.
INDIAN.																			
Kurrachee	29.97	761.2	30.02	762.4	79.7	26.5	52	ssw.	14.0	6.3			0			0	0	blue sky	
Deesa	29.50	749.4	29.98	761.4	88.2	31.2	26	wnw.	6.0	2.7			0			0	0	blue sky	
Bombay	29.89	759.1	29.92	760.1	81.7	27.6	65	nnw.	22.0	9.8			0			0	0	blue sky	
Poona, Yarrowda	28.07	713.1	29.89	759.1	91.9	33.3	15	s.	3.0	1.3			2			0	0	d. clouds	
Belgaum	27.38	695.4	29.86	758.4	88.5	31.4	14	ene.	4.0	1.8			0			0	0	blue sky	
Lahore	29.34	745.1	30.10	764.5	71.8	22.1	58	w.	4.0	1.8			3			0	0	d. clouds	
Roorkee	29.15	740.5	30.07	763.7	74.7	23.7	44	calm	0	0			2			0.34	8.6	d. clouds	
Agra	29.47	748.5	30.04	762.9	83.2	28.4	34	ne.	2.0	0.9			0			0	0	blue sky	
Nagpur	28.90	733.9	29.92	759.9	92.3	33.5	19	sse.	3.0	1.3			2	w.		0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Velocity.		Force.	Clouds. Amount and kind.		Direction.		Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p.sec.	0–10	Upper. 0–10	Lower. 0–10	Upper. From	Lower. From.	Inch.	Mill.		
INDIAN.—Continued.																			
Jubbulpore	28.65	727.8	30.01	762.2	83.2	28.4	45	calm	0	0			4			0.14	3.6	d. clouds	
Lucknow	29.63	752.6	30.01	762 2	86.1	30.1	29	n.	3.0	1.3			0			0	0	misty	
Allahabad	29.68	753.9	29.99	761.8	85.7	29.8	41	calm	0	0			2			0	0	d. clouds	
Patna	29.77	756.2	29.96	760.9	86.4	30.2	30	wnw.	4.9	2.2			0			0	0	blue sky	
Hazaribagh	27.98	710.6	30.00	761 9	77.5	25.3	30	wnw.	6.0	2.7			3	wnw.		0	0	d. clouds	
Cuttack	29.89	759 1	29.97	761.2	90.6	32.6	40	ssw.					0			0	0	blue sky	
Calcutta, Alipore	29.92	760.0	29.94	760.6	88.3	31.3	33	nw.	1.5	0.7			0			0	0	blue sky	
Dhubri	29.77	756.1	29.89	759.1	83.4	28.6	46	calm	0	0			0			0	0	blue sky	
Chittagong	29.86	758.5	29.95	760.8	82.8	28.2	73	calm	2.1	0.9			0			0	0	blue sky	
Sibsagar	29.59	751.6	29.93	760.2	74.3	23.5	74	ne.	2.0	0.9			0			0	0	blue sky	
Jeypore	28.58	726.0	30.03	762.8	80.9	27.2	39	ssw.	3.0	1.3			7		s.	0.11	2.8	d. clouds	
Zanzibar	29.79	756.7	29.81	757.3	85.8	29.9	61	ne.	10.0	4.5			4		nnw.	0	0	d. clouds	
Bellary	28.43	722.1			91.0	32.8	15	e.	4	1.8		0	0			0	0	blue sky	
Trichinopoly	29.67	753.6			91.3	32.9	42	e.	0.3	0.1		3	3			0	0	d. clouds	
ITALIAN.																			
Udine	29.50	749 4	29.92	760.0	48.7	9.3	62	calm	0	0			10			0	0		Prof. Giovanni Olodig.
Milan	29.40	746.7	29.93	760.1	48.2	9.0	73	wsw.	1.3	0.6			10	se.		0	0		Prof. G.V.Schiapparelli
Padua	29.80	756.8	29.91	759 7	51.3	10.7	69	ese.	3.1	1.4			10			0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.97	735.9	29.89	759.1	48.9	9.4	81	nw.	3.1	1.4			9	ne.		0	0		Prof. F. F. Denza.
Genoa	29.69	754.1	29.88	759 0	55.9	13.3	65	s.	0.3	2.8			8	s.		0	0		Prof. G. M. Garibaldi.
Pesaro	29.85	758.1	29.90	759.4	52.2	11.2	68	e.	10.5	4.7			5	wsw.		0.008	0.2		Prof. Luigi Guidi.
Florence	29.66	753 4	29.92	759.9	51.8	11.0	75	sw.			2		10			0.035	0.9		Prof. Costantino Pittei.
Leghorn	29.78	756.5	29.87	758.7	55.2	12.9	70	s.	11.9	5.3			5	sw.		0.031	0.8		Prof. P. Monte.
Rome	29.74	755.4	29.92	759.9	58.1	14.5	48	nnw.	1.3	0.6			6			0	0		Prof. P. Tacchini.
Lecce	29.66	753.3	29.91	759.8	57.2	14.0	60	n.	9.4	4.2			7	n.		0	0		Prof. C. de Giorgi.
Cosenza	29.03	737.4	29.93	760.3	57.6	14.2	78	sw.	2.5	1.1			1	s.		0	0		Prof. D. Conti.
Palermo	29.72	754.8	29.97	761.2	59.0	15.0	55	ne.	0	0			3			0	0		Prof. G. Cacciatore
Syracuse	29.90	759.4	29.94	760.5	60.8	16.0	61	nw.	1.8	0.8			0	wnw.		0.008	0.2		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.42	747.3			55.8	13.2	67	sw.	1.8	0.8			4	ssw.		0.110	2.8		Prof. F. Brioschi.
JAPANESE.																			
Akita	30.18	766.5	30.21	767.4	27.4	— 2.6	88	n.			2		10k;ks		w.	0.008	0.2	cloudy	H. Hattori.
Awomori	30.12	765.0	30.15	765.8	25.0	— 3.9	82	w.	17.4	7.8			10 n			0.367	9.3	snowing	K. Ogawa.
Hakodate	30.10	764.5	30.11	764.8	27.0	— 2.8	100	w.	12.0	5.4			9 n			0.032	0.8	snowing	Y. Souma.
Hamamatsu	30.15	765.8	30.25	768.3	30.3	2.4	54	wnw.			4	0	0			0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.34	770.5	30.35	770.9	37.5	3.1	85	n.	3.9	1.8		0	0			0	0	clear	Y. Okamoto.
Kagoshima	30.34	770.7	30.36	771.0	41.4	5.2	89	n.			2	0	0			0	0	clear	
Kanazawa	30.25	768.3	30.35	771.2	31.4	— 0.3	83	e.	5.6	2.5		0	2 ks			0.009	0.2	fair	S. Endo.
Kioto	30.18	766.6	30.35	771.0	30.0	— 1.1	80	nw.	1.7	0.7		0	0			inap.	inap.	clear	M. Tojima.
Kochi	30 31	769.9	30.33	770.4	44.1	6.7	54	ne.	10.3	4.6		0	0			0	0	clear	K. Kusunose.
Minsaka	30.31	770.0	30.34	770.7	39.6	3.9	87	ese.			2	0	1 ck		w.	0	0	clear	K. Masuski & T. Ishitain.
Miyako	30.05	763.3	30.16	766.1	28.2	— 2.1	77	w	1.9	0.8		2ck;cs	0	nw.		0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	30.12	765.0	30.33	770.4	40.3	4.6	82	calm	0	0		0	0			0	0	clear	
Nemuro	30.03	762 8	30.08	764.0	17.5	— 8.9	56	calm	0	0		7ck	0	wnw.		0	0	fair	A Shibuya.
Niigata	30.25	768.3	30.28	769.1	33.8	1.0	76	w.	13.6	6.1			10n;ks		w.			light snow	Satoo & Tomikawa.
Nobira	30.19	766.0	30.21	767.3	29.9	— 1.2	99	nnw.	14.1	6.3			9 ks		nw.	0	0	cloudy	Yoshino & Midzushina.
Numadzu	30.21	767.3	30.24	768.2	38.0	3.3	83	ne.			2		10 n			0.008	0.2	light rain	T. Ohgi.
Osaka	30.34	770.6	30.36	771.0	34.0	1.1	79	ne.	3.8	1.7		0	0			0	0	clear	d. Omura.
Sakai	30.34	770.7	30.35	770.9	33.9	1.1	84	ene.			2	0	0			0	0	clear	Yamawchi & Sakamoto.
Sapporo	29.98	761.4	30.05	763.2	14.8	— 9.6	78	calm	0	0		0	0			0.043	1.1	clear	S. Kimura.
Shimonoseki	30.19	766 8	30.33	770.5	38.9	3.8	85	sse.			1	0	0			0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	30.18	766 5	30.26	768.6	34.9	1.6	57	n.	8.2	3.7		0	8ksick		w.	0	0	cloudy	The Staff.
Wakayama	30.29	769.4	30.35	770.8	35.8	2.1	82	ne.	1.8	0.8		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.79	756 7	29.98	761 5	76.0	24.4	84	ese.	6.5	2.9			10kskn			0.50	12.7	overcast	The Staff.
MEXICAN.																			
Leon	24.39	619.5	30.21	767.3	51.4	10.8	75	w	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.72	754.9	29.98	761.6	80.0	18.9	100	nw.	1.6	0.8		0	0			0	0	misty	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.31	745.2	29.34	745.2	47.5	8.6		s.			5					0.031	0.8		
Groningen	29.39	746.4	29.44	747.8	44.8	7.1		s.			2					0.043	1.1		
Helder	29.34	745.1	29.34	745.1	43.3	6.3		se.			4					0.240	6.1		
Hellevoetsluis	29.35	745.4	29.35	745.4	47.5	8.6	92	s.			4					0.130	3.3		
Utrecht	29.34	745.1	29.38	746.3	49.5	9.7	86	sse.			3		7			0.091	2.3	raining	H. van der Brink.
Sub-series.																			
Batavia, Java	29.93	760.1			82.6	28.1	74	nnw.	0	0			8			0.031	0.8		Lt.J.J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	29.58	751.2	29.64	752.8	37.0	2.8	62	ese.	9	4			2			0	0		
Brono	30.02	762.4	30.06	763.4	29.8	— 1.2	44	ese.			5		0			0	0		
Christiania	29.82	757.4	29.97	761.3	30.7	— 0.7	68	e.	20	9			10			0.004	0.1	snowing	
Gjæsvær	30.17	766.2	30.19	766,8	36.3	2.4		calm			0		0			0	0		
Lodingen	30.11	764.8	30.16	766.0	30.0	— 1.1	61	ne.			1		0			c	0		
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos.
Funchal, Madeira																0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.94	760.4	30.03	762.7	63.7	17.6	69	wnw.	10.5	4.7			8			0.295	7.5		The Staff.
Ponta Delgada, Azores	29.44	747.8	29.78	756.3	50.5	13.6	87	ssw.	28.6	12.8			10			0.563	14.3	raining	
Saint Paul de Loando	29.60	751.8	29.67	753.6	55.0	12.8	90	nne.	13.0	5.8			10						
St. Vincent, Cape Verd Ids.																0	0		
San Salvador, Congo	30.03	762.8	30.07	763.7	67.1	19.5	61	ne.			5		4			1.732	44.0		
Serra da Estrella	28.09	711 3	29.82	757.5	81.1	27.3	70	nw.			1		5			2.366	60.1	rain & fog	
	24.9	633.8	29.70	754.3	41.4	5.2	94	ssw.	18.1	8.1			10						
RUSSIAN.																			
Akmolinski	28.87	733.4	30.10	764.5	— 1.1	—18.4	89	ne.	9	4			10 n			0	0		Major K. Lasarew.
Archangel	30.13	765.2	30.15	765 7	15.4	— 9.2	72	wsw.	9	4			10			0	0		Capt. Sselliwerstow
Ashuradn	30.05	763 3	29.96	760.9	51.1	10.6	72	nnw.	2	1			10 kn			0.012	0.3		
Astrakhan	30.10	761.5	30.02	762.5	30.3	2.4	49	ese.	7	3			10 ks						Capt. Wisganow.
Baku	30.03	762.7	29.98	761.5	45.9	7.7	65	n.	18	8		0	0 ks			0	0		
Barnaul	29.55	750.5	30.10	764.4	9.3	—12.0	73	sw.	2	1			5			0	0		Meteorological Office.
Bielosersk	29.91	759.8	30.43	772.9	9.9	—12.3	49	e.	7	3		0	0			0	0	solar halo	
Dorpat	29.89	759.2	30.15	765.8	23.0	— 5.0	74	ene.	13	6		0	0			0	0		Observatory.
Ekaterinburg	29.22	742.1	30.28	769 1	0.8	—14.0	59	wsw.	9	4		0	0			0	0		Meteorological Obs'y
Elisawetgrad	29.45	747.9	29.91	759 8	32.9	0.5	83	w.	7	3			9 ks			0	0		
Kasan	30.12	765.1	30.43	772.8	3.0	—15.8	58	nne.	2	1		0	0			0	0		Observatory.
Kem	30.19	766.9	30.24	768 2	20.2	— 3.2	67	sw.	18	8			9 ks			0	0		
Kerch	29.91	759.6	29.93	760 2	37.8	3.2	80	se.	4	2			10 n			0	0		Lagorio & Sastyrea.
Kieff	29.13	739 8	29.78	756.5	33.8	1.0	68	nw.	4	2		0	8ks;n			blank	blank		Observatory.
Koslov	29.54	750.3	30.09	764.3	11.7	—11.3	75	ese.	10	7		8os	0			0	0		
Lgov	29.33	745.0	29.96	760.9	17.4	— 8.1	79	ese.	22	10			10			0.295	7.5	snowing	R. I. Ssaweljew, Ed'r.
Libau	29.95	760.6	29.97	761.2	33.3	0.7	71	e.	9	4			10			0	0		E. Quass.
Lugan	29.73	755.1	29.95	760.7	19.0	— 7.2	75	ese.	9	4			10			0	0		Meteorological Obs'y.
Moscow	29.70	754.3	30.22	767.6	10.7	— 8.5	67	e	7	3		0	5 s			0	0	light clouds	Meteorological Obs'y
Nertschinsk	28.16	715.2	30.72	780.3	2.8	—16.2	48	nw.	4	2			0			0	0		
Nikolaiev	29.82	757.3	29.89	759.1	45.0	7.2	83	s.	13	6			10 n			0	0	light clouds	Capt. Kurdakow.

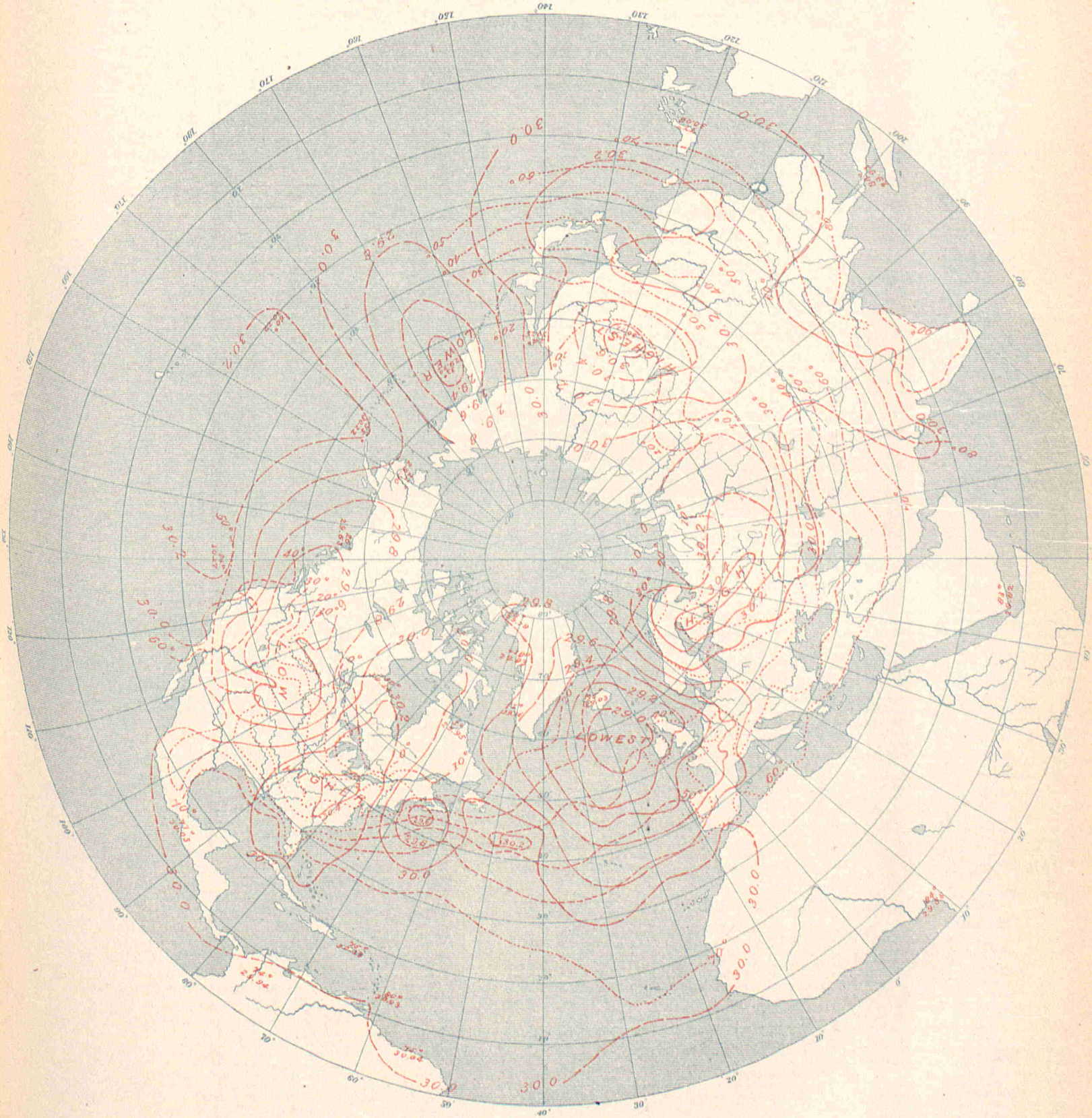
STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.06	763.5	30.15	765.7	13.8	—10.1	91	wsw.	4	2	.....	.....	9 n	.....	.....	.....	.....	light snow..	Twanow.
Pekin, China	30.00	761.9	30.14	765.5	39.0	3.9	28	nw.	10.1	4.5	.....	0	3 k	.....	.....	trap.	trap.	.....	Siang.
Petro-Alexandrovsk	29.59	751.6	29.95	760.6	52.0	11.1	33	ne.	1.1	0.5	.....	.....	10 ks	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.18	766.6	30.40	772.2	— 2.6	—19.2	70	se.	9	4	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.37	745.9	29.88	759.0	30.9	— 0.6	88	n.	4	2	.....	.....	10 s	.....	.....	0.079	2.0	snowing.....	
Poti	29.84	757.8	29.87	758.6	49 3	9.6	92	ssw.	4	2	.....	0	4 s	.....	.....	0.197	5.0	.....	
St. Petersburg	30.26	768.7	30.29	769 3	13.5	—10.3	60	ne.	9	4	.....	0	0	.....	.....	0	0	.....	(illegible) Physical Obs'y.
Samarkand	27.46	697.5	29.93	760 2	52.7	11.5	63	nw.	7.8	3.5	.....	.....	10 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.42	747.3	30.13	765.2	19.6	— 6.9	68	calm	0	0	.....	.....	9	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.67	753.7	29.89	759.2	47.7	8.7	55	n.	7	3	.....	0	7 s	.....	.....	0	0	.....	
Staroi Bykhov	29.31	744.5	29.89	759.3	26.4	— 3.1	70	ne.	11	5	.....	.....	10	.....	.....	0.059	1.5	.....	Carl Hagen.
Tashkend, Laboratory	28.26	717.7	29.91	759.7	57.9	14.4	46	calm	0	0	.....	.....	9 n	.....	.....	.....	.....	.....	Tercn, A. M
Tiflis	28.47	723 2	29.90	759.5	50.2	10.1	46	ne.	1	0.4	.....	.....	10 ks	.....	.....	0	0	.....	Physical Observatory.
Vernoe	27.34	694.3	29.91	759.6	36.1	2.3	52	calm	0	0	.....	0	5 k	.....	.....	.....	.....	.....	Lariono.
Viatka	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Vladivostock	30.22	767 5	30.28	769.2	22.1	— 5.5	55	n.	13	6	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.46	748.3	29.90	759.5	32.4	0.2	69	w.	2	1	.....	.....	10 ks	.....	.....	.....	.....	heavy cl'ds.	Astronomical Obs'y.
Yeniseisk	29.60	751.9	29.91	759.7	19.4	— 7.0	66	sw.	4	2	.....	.....	8	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.51	749.5	30.01	762.2	15.6	— 9.1	63	ese.	19.8	8.9	.....	0	3	.....	se.	0	0	clear.....	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.67	753.6	29.78	756.4	56.7	13.7	72	sw.	.....	.....	.....	0	1	.....	.....	0	0	clear.....	B. Jelin.
Bilbao, Met. Obs'y	29.50	749.4	29.56	750.9	65.5	18.6	58	w.	5.4	2.4	.....	.....	10	.....	.....	0	0	covered.....	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.71	678.4	29.64	752.8	53.2	11.8	60	sw.	16.8	7.5	.....	.....	9	.....	.....	0	0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.58	700.6	29.82	757.4	51.4	10.8	88	sw.	25.9	11.6	.....	.....	10	.....	.....	0.012	0.3	covered.....	The Staff.
Murcia, Met. Obs'y	29.76	755.9	29.87	758.7	65.1	18.4	62	ssw.	3.6	1.6	.....	0	0	.....	.....	0	0	clear.....	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.54	725.0	29.43	747.6	49.8	9.9	93	s.	7.4	3.3	.....	.....	10	.....	.....	1.197	30.4	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.13	765.4	30.20	767 1	68.7	20.4	91	e.	2.7	1.2	.....	0	k	.....	.....	0	0	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	30.00	762.1	30.06	763.6	77.2	25.1	67	e.	8.8	3.9	.....	0	8 ks	.....	.....	0	0	cloudy	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.90	759.4	30.00	762.0	60.6	15.9	82	sw.	9.4	4.2	.....	2	7	sw.	sw.	0.024	0.6	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	30.04	763.0	30.13	765 3	74.5	23.6	80	calm	0	0	.....	.....	10 kn	.....	s.	0.102	2.6	raining.....	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.36	771.1	30.40	772.1	23.5	— 4.7	84	calm	.....	.....	c	.....	10	.....	.....	0	0	.....	
Umea	30.29	769 4	30.34	770.7	25.5	— 3.6	87	ne.	.....	.....	2	.....	5	.....	.....	0	0	.....	
Hernosand	30.20	767.0	30.25	768 3	25.2	— 3.8	69	ene.	.....	.....	4	.....	5	.....	.....	0.008	0.2	.....	
Stockholm	29.89	759.2	30.07	763.7	28.0	— 2.2	73	ene.	.....	.....	6	.....	10	.....	.....	0.008	0.2	.....	
Wisby	29.88	759.0	29.94	760.5	32.7	0.4	92	e.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.00	762.1	30.09	764.3	25.0	— 3.9	88	ene.	10.7	4.8	.....	.....	10	.....	.....	0.004	0.1	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.30	718.9	29.76	755.9	56.1	13.4	33	ssw.	.....	.....	4	.....	10	.....	.....	0	0	covered.....	
TURKISH.																			
Constantinople	.....	.....	29.87	758.8	48.0	8.9	70	s.	10	4.5	.....	.....	5	.....	ne.	0	0	.....	The Observatory.
Valona	.....	.....	29.97	761.1	59.2	15.1	.....	sw.	.....	.....	2	.....	5	.....	.....	0	0	½ covered ...	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.83	757.7	64.4	18.0	80	sw.	.....	.....	2	.....	6 n	.....	sw.	0.063	1.6	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	30.05	763.3	30.14	765.5	29	— 1.7	72	nw.	7	3.1	.....	6 cs	2 s	nw.	nw.	0.48	12.2	cloudy	J. O. Barnes.
Alpena, Michigan	29.64	752 8	30.34	770.6	3.2	—16.0	72	w.	1	0.4	.....	0	0	.....	.....	0.01	0.3	clear.....	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.82	630.4	29.84	757.9	44.6	7.0	85	sw.	24	10.7	.....	.....	10 s	.....	sw.	0	0	cloudy.....	J. B. Turton.
Assiniboine, Ft., Montana	26.62	676.1	29.63	752.6	4.4	—15.3	100	nw.	8	3.6	.....	.....	10 n	.....	.....	0.14	3.6	light snow..	J.J.O'Connor.
Atlanta, Georgia	29.13	739.9	30.34	770.6	29.0	— 1.7	77	n.	4	1.8	.....	2 c	sk.	w.	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	30.18	766.0	30.20	767.1	30.0	— 1.1	67	nw.	14	6.3	.....	1 k	0	nw.	.....	0.71	18.0	clear.....	B.A.Blundon.
Augusta, Georgia	30.21	767.3	30.41	772.4	40	4.4	73	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	W.J.Evans.
Baltimore, Maryland	30.29	769.4	30.34	770 6	31.0	— 0.6	68	nw.	8	3.6	.....	hz.	0	.....	.....	0.81	20.6	clear.....	Geo W. Felger.
Barnegat City, New Jersey	30.10	766.1	30.18	766.6	30.5	— 0.8	72	nw.	23	10.3	.....	2 k	0	n.	.....	0.30	7.6	clear.....	J.P.Sherry.
Bennett, Fort, Dakota	27.70	703.6	29.40	746.7	29.4	— 1.4	75	se.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	A. Pritchard.
Benton, Fort, Montana	26.73	678.9	29.71	754 6	22.8	— 5.1	74	sw.	12	5.4	.....	.....	10 n	.....	.....	.....	.....	light snow...	O.S.Bennett.
Bismarck, Dakota	27 56	700 0	29.48	748.8	15.0	— 9.4	67	ne.	16	7.2	.....	.....	10 s	.....	e.	0.11	2.8	cloudy.	B. O. Lenoir.
Block Island, Rhode Island	29.92	760.0	29.95	760.7	28.0	— 2.2	70	nw.	26	11.6	.....	2 cs	0	nw.	.....	0.66	16.8	clear.....	J. T. Elker.
Boise City, Idaho	26.57	674.9	29.49	749.0	34.8	1.6	87	nw.	19	8.5	.....	.....	10 s	.....	nw.	0.16	4.1	cloudy.....	James Keneely.
Boston, Massachusetts	29.72	754.9	29.88	758.9	28.0	— 2.2	94	nw.	12	5.4	.....	.....	10 n	.....	n.	0.33	8.4	light snow...	O. B. Cole.
Brownsville, Texas	30.00	762.0	30.06	763.5	68.0	20.0	100	e.	7	3.1	.....	.....	10 s	.....	s.	inap.	inap.	cloudy	John McGlone.
Buffalo, New York	29.60	751.8	30.39	771.9	9.8	—12.3	91	sw.	6	2.7	.....	0	0	.....	e.	inap.	inap.	light snow..	A. Schneider.
Buford, Fort, Dakota	27.38	695.4	29.54	750.3	7.5	—13.6	100	e.	22	9.8	.....	.....	10 n	.....	e.	inap.	inap.	cloudy	W. H. Ray.
Cairo, Illinois	29.91	759.7	30.33	770.4	29.0	— 1.7	77	s.	12	5.4	.....	.....	10 s	.....	s.	inap.	inap.	cloudy	J.H.Young.
Canby, Fort, Washington Ter	29.36	745.7	29.56	750.8	35.0	1.7	85	w.	23	10.3	.....	4 ck	0	w.	.....	0	0	fair	A. K. Alderson.
Cape Henry, Virginia	30.34	770.6	30.36	771.1	35.0	1.7	69	nw.	25	11.2	.....	0	0	.....	.....	0.81	20.6	clear.....	W.E.Smith.
Cape May, New Jersey	30.27	768.8	30.30	769.6	31.0	— 0.6	68	nw.	42	18.8	.....	1 k	0	nw.	.....	0.87	22.1	clear.....	A. P. Leavitt.
Cape Mendocino, California	29.41	747.0	30.10	764.5	37.3	2.9	86	nw.	23	10.3	.....	.....	10 s	.....	nw.	0.37	9.4	cloudy.....	G. W. Davis.
Cedar Keys, Florida	30.28	769.1	30.30	769.6	51.0	10.6	66	n.	8	3.6	.....	0	0	.....	.....	inap.	inap.	clear.....	J. H. Smith.
Charleston, S. Carolina	30.26	768.6	30.32	770.1	44.0	6.7	68	n.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	D. O'Donoghue.
Charlotte, N. Carolina	29.51	749 5	30.39	771.9	33.0	0.6	76	ne.	4	1.8	.....	0	fg.	.....	.....	0.36	9.1	clear.....	B. L. Gouldinz.
Chattanooga, Tennessee	29.52	749.8	30.37	771.4	30.0	— 1.1	67	ne.	5	2.2	.....	8 cs	0	nw.	.....	0	0	cloudy.....	E. McGovern.
Cheyenne, Wyoming	23.42	594.9	29.62	752.3	33.2	0.7	50	w.	8	3.6	.....	0	1 s	.....	.....	0	0	clear.....	Wm. Norrington.
Chicago, Illinois	29.55	750 0	30.29	769.4	20.1	— 6.6	67	s.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	
Chincoteague, Virginia	30.31	769.9	30.33	770.4	32.0	0.0	61	nw.	20	8.9	.....	0	0	.....	.....	0.95	24.1	clear.....	O. F. Dickens
Cleveland, Ohio	29.77	759.1	30.46	773.7	26.0	— 3.3	78	e.	1	0.4	.....	0	fg.	.....	.....	0.01	0.3	clear.....	L. Dunne.
Columbus, Ohio	29.65	753.1	30.43	772.9	19.5	— 6.9	84	w.	4	1.8	.....	0	sk.	.....	w.	0.02	0.5	dense smoke	W. Line.
Concho, Fort, Texas	29.53	750.0	30.42	772.7	20.6	— 6.3	75	sw.	1	0.4	.....	0	sk.	.....	.....	inap.	inap.	dense smoke	F.T. Williams
Custer, Fort, Montana	28.00	711.2	29.97	761.2	50.0	10.0	74	s.	28	12.5	.....	.....	10 s	.....	s.	0	0	cloudy	C. E. King.
Davenport, Iowa	26.12	663 4	29.45	748.0	15	— 9.4	83	n.	10	4.5	.....	0	9 ks	.....	.....	0	0	cloudy.....	W.J.Daily.
Davis, Fort, Texas	29.43	747.5	30.12	765.0	25.3	— 3.7	69	se.	10	4.5	.....	.....	10 s	.....	se.	0	0	cloudy	R. R. Martin.
Dayton, Washington Ty	27.78	705.6	29.60	751.8	28.2	— 2.1	98	sw.	18	8.0	.....	.....	10 n	.....	.....	0	0	cloudy	J. Williams.
Deadwood, Dakota	24.67	626 0	29.51	749.5	34.3	1.3	82	sw.	5	2.2	.....	0	0	.....	.....	0.98	24.9	light snow...	T.Gibson.
Delaware Breakwater, Del	30.29	769 4	30.31	769.9	30.5	— 0.8	68	n.	32	14.3	.....	0	0	.....	.....	0.79	20.1	clear.....	G.W.Scott.
Denver, Colorado	24.14	613.1	29.48	751.3	44.2	6.8	64	sw.	4	1.8	.....	0	3 s	.....	.....	0	0	clear.....	G.A.Martin.
Des Moines, Iowa	28.91	734.3	29.87	758.7	32	0.0	68	s.	10	4.5	.....	.....	10 s	.....	s.	0	0	clear.	F. M. Neal.
Detroit, Michigan	29.66	753.4	30.41	772.4	21.5	— 5.8	78	sw.	4	1.8	.....	0	2 s	.....	.....	0.02	0.5	cloudy	F.W. Conrad.
Dodge City, Kansas	26 96	684.8	29.69	754.1	40	4.4	54	se.	26	11.6	.....	3 cs	7 s	sw.	sw.	0	0	clear.....	N.B.Conger.
Dubuque, Iowa	29.38	746.2	30.13	765 3	21.2	— 6.0	67	se.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy.....	J.E.Lanouette.
Duluth, Minnesota	29.25	742.9	30.04	763.0	13.0	—10.6	80	ne.	15	6.7	.....	.....	10 s	.....	.....	0	0	cloudy.....	J. Harvey Smith
Eastport, Maine	29.60	751.8	29.67	753 6	19.8	— 6.8	91	n.	16	7.2	.....	.....	10 s; fg	.....	n.	0.32	8.1	heavy snow	E.R.Brace.
Elliott, Fort, Texas	26.97	685 0	29.80	757.9	37.2	2.9	72	se.	11	4.9	.....	.....	10 s	.....	s	0	0	cloudy	D. C. Murphy.
El Paso, Texas	26.66	661 9	29.86	758.4	60.1	15.6	29	sw.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy.....	J. C. Rickli.
Erie, Pennsylvania	29.66	753.4	30.43	772.9	21.1	— 6.1	80	sw.	8	3.6	.....	5 c	0	w.	.....	0.12	3.0	fair.....	F. Belford.
Escanaba, Michigan	29.55	750.6	30.26	768.6	1.3	—17.1	79	s.	2	0.9	.....	10 cs	0	.....	.....	0.01	0.3	cloudy.....	P. Wood.
Fort Smith, Arkansas	29.60	751.8	30.08	764.0	38.0	3.3	72	e.	8	3.6	.....	5 cs	0	s.	.....	0	0	fair.....	L.M.Pindell.
Galveston, Texas	30.10	764 5	30.14	765 5	61.3	16.3	86	e.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	J. B. Campbell.
Grand Haven, Michigan	29.62	752.3	30.32	770.1	7.1	—13.8	76	e.	6	2.7	.....	.....	10 s	.....	.....	inap.	inap.	cloudy.....	E. O'C. Macinerney
Grant, Fort, Arizona	25.04	636.0	29.87	758.7	49.2	9.6	54	w.	16	7.2	.....	.....	10 s	.....	w.	0	0	cloudy.....	Joseph E. Mueller.
Hatteras North Carolina	30.30	769.6	30.30	769.6	42.5	5.8	73	nw.	20	8.9	.....	3 k	hz.	n.	.....	0	0	clear.....	Chas. A. Read.
																			R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.14	638.5	29.46	748.3	6	—14.4	89	n.	6	2.7			10 s			0.01	0.3	cloudy	S. W. Morrison.
Huron, Dakota	27.99	710.9	29.47	748.5	31.3	— 0.4	75	se.	24	10.7		2 cs	0			0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.52	749.8	30.36	771.1	17.6	— 8.0	83	se.	2	0.9		0	0			0	0	clear	C. F. R. Wappenhans.
Indianola, Texas	30.01	763.0	30.07	763.8	64.0	17.8	93	se.	12	5.4			10 s		se.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.28	769.1	30.33	770.4	48.0	8.9	67	n.	6	2.7		0	0			0.02	0.5	clear	J. W. Smith.
Keokuk, Iowa	29.39	746.5	30.08	764.0	26.5	— 3.1	82	se.	8	3.6			10 s		sw.	0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	30.18	766.6	30.20	767.1	71	21.7	87	n.	10	4.5		0	8 k		n.	0	0	cloudy	J. J. Lackey.
Kittyhawk, North Carolina	30.31	769.9	30.31	770.4	38.2	3.4	64	n	25	11.2		0	2 k		nw.	0.10	2.5	clear	Wesley Blake.
Knoxville, Tennessee	29.31	744.5	30.37	771.4	28.3	— 2.1	87	ne.	8	3.6		5 c	0			0	0	fair	J. A. Cody.
La Crosse, Wisconsin	29.21	741.0	30.03	762.7	21	— 6.1	84	se.	12	5.4			10 s			0	0	cloudy	S. C. Emery.
Leavenworth, Kansas	28.92	734.6	29 86	758 4	39	3.9	59	s.	17	7.6		2 cs	0	w.		0	0	clear	C. Dill.
Lewiston, Idaho	28.59	726.2	29.45	748.0	30.0	2.2	79	w.	3	1.3			8 ks		se.	0.39	9.9	cloudy	C. E. Butler.
Little Rock, Arkansas	29.85	758.2	30.18	766.6	30.0	3.9	73	se.	7	3.1		0	0			0	0	clear	W. U. Simons.
Los Angeles, California	29.51	750.3	29.94	760.5	51.0	10.6	86	nw.	2	0.9		0	5 s		nw.	2.42	61.5	clearing	T. S. Collins.
Louisville, Kentucky	29.80	756.9	30.38	771.6	31.0	— 0.6	83	se.	8	3.6			10 s			inap.	inap.	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.66	753.4	30.38	771.6	32.0	0.0	52	w.	10	4.5		0	0			0.60	15.2	clear	Jno. Healy.
Mackinaw City, Michigan	29.62	752.3	30.32	770.1	3.0	—16.1	78	e.	3	1.3		0	8 s			0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.34	770.6	30.34	770.6	39.1	3.9	68	nw.	25	11.2		0	0			0	0	clear	William Daly.
Maginnis, Fort, Montana	24.90	632 4	29.50	749.3	1.8	—16.8	68	nw.	20	8.9			10 n		nw.	0.04	1.0	light snow	F. Burke.
Marquette, Michigan	29.45	748.0	30.22	767.6	12.0	—11.1	70	sw.	1	0.4			10 s			inap.	inap.	cloudy	J. Gilligan.
Memphis, Tennessee	29.90	759.4	30.26	768.6	33.5	0.8	70	e.	8	3.6			10 s		sw.	0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.46	748.3	30.25	768.3	18.2	— 7.7	76	s.	9	4.0			10 s		s.	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	30.25	768.3	30.29	769.4	46	7.8	65	ne.	5	2.2		10 ck	0	w.		0	0	cloudy	H. U. Jones.
Montgomery, Alabama	30.10	764.5	30.34	770.6	37	2.8	78	ne.	4	1.8		5 cs	3 s	nw.		0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.57	725.7	29.65	753.1	22	— 5 6	88	se.	36	16.1			10 s		se.	0	0	cloudy	H. Bessant.
Mt. Washington, N. H	23.19	589.0	29.71	754.6	2.0	—16.7	100	w.	90	40.2			10n; fg		w	0.26	6.6	light snow	J. H. Melton.
Nashville, Tennessee	29.74	755.4	30.34	770.6	26.4	— 3.1	85	e.	4	1.8		7 c	0	sw.		inap.	inap.	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.91	760 2	30.05	763.3	26.3	— 3.2	84	nw.	10	4.5		0	8 s		nw.	0.38	9.7	cloudy	J. H. Sherman.
New London, Connecticut	29.95	760 7	30 00	762.0	29.0	— 1.7	77	nw.	16	7.2		0	3 s		nw.	0.47	11.9	clear	J. G. Lynch.
New Orleans, Louisiana	30.16	766.1	30.22	767.6	55.0	12.8	74	se.	7	3.1		4 ck	0	n.		0	0	fair	M. Herman.
New York, New York	29.96	761 0	30.14	765.5	26.6	— 3.0	81	nw.	24	10.7		0	4 ks		nw.	0.65	16.5	fair	W. Finn.
Norfolk, Virginia	30.30	769.6	30.33	770.4	36.0	2.2	61	n.	8	3.6		0	0			0.98	24.9	clear	Wm. Davis.
North Platte, Nebraska	26.48	672.6	29.54	750.3	37.1	2.8	82	calm	0	0			10 s			0	0	cloudy	E. F. Brady.
Olympia, Washington Ter	29.47	748 5	29.51	749.5	30.0	2.2	84	s.	1	0.4		10 k	0	s.		0	0	cloudy	J. Dascomb.
Omaha, Nebraska	28.48	723.4	29.73	755.1	37.0	2.8	64	s	8	3.6		0	0			0	0	clear	A. Pollak
Oswego, New York	29.95	760.7	30.29	769.4	23.5	— 4.7	80	nw.	16	7.2		0	0			0.36	9.1	clear	J. G. Linsley.
Palestine, Texas	29.54	750.3	30.11	764.8	49.2	9.6	69	se.	10	4.5		0	9 s		se.	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	30.27	768.8	30.30	769.6	47.1	8.4	63	ne.	12	5.4		3ck; cs	0	w.		0	0	clear	M. McGauran.
Philadelphia, Pa	30.14	765.5	30.24	768.1	29.0	— 1.7	67	nw.	15	6.7		0	0			0.61	15.5	clear	T. F. Townsend.
Pike's Peak, Colorado	17.30	439.4	29.89	759.2	10.0	—12.2	73	s.	6	2.7			fg.		sw.	inap.	inap.	dense fog	H. Hall.
Pittsburg, Pennsylvania	29.58	751.3	30.43	772.9	26.2	— 3.2	98	nw.	6	2.7			10 n		w.	0.22	5.6	light snow	O. D. Stewart.
Port Huron, Michigan	29.64	752.8	30.36	771.1	10.0	—12.2	80	sw.	7	3.1		0	0			inap.	inap.	clear	M. H. Perry
Portland, Maine	29.76	755.9	29.82	757.4	29.0	— 1.7	77	n.	10	4.5			10 n		n	0.35	8.9	heavy snow	W. W. Eichelberger.
Portland, Oregon	29.52	749.8	29.59	751.6	37.0	2.8	85	sw.	6	2.7		0	8 s			0.02	15.7	cloudy	M. L. Hearne.
Prescott, Arizona	24.46	621.3	29.80	756.9	38.0	3.3	92	sw.	34	15.2		0	7 s		sw.	0.78	19.8	fair	N. D. Lane.
Provincetown, Mass	29.78	756.4	29.81	757 2	29.8	— 1.2	90	nw.	18	8.0			10 ks		nw	0.53	13.5	cloudy	C. N. Kitchel.
Red Bluff, California	29.49	749.0	29.86	758.4	42.5	5.8	68	nw.	8	3.6		0	0			0.07	1.8	clear	J. R. Williams.
Rio Grande City, Texas	29.87	758.7	30.11	764.8	63.5	17.5	94	s.	1	0.4			fg.		s	0	0	dense fog	L. G. Schultz.
Rochester, N. Y	29.64	752.8	30.34	770.6	14	—10.0	71	w	16	7.2		0	0			0.98	24.9	clear	E. W. McGann.
Roseburg, Oregon	29.23	742.4	29.79	756.7	35.2	1.8	88	calm	0	0		0	8 n		w.	0.63	16.0	light rain	J. J. Naury.
Sacramento, California	29.83	757.7	29.90	759.4	45.5	7.5	72	w.	12	5.4		0	0			0.48	12.2	clear	J. A. Barwick.
St. Louis, Missouri	29.57	751.1	30.22	767.6	34.5	1.4	74	se.	21	9.4			10 s		se.	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.86	758.4	29.90	759.4	10.5	—11.9	100	sw.	18	8.0			9 s		sw.	0.05	1.3	cloudy	Fred. H. Clarke
St. Paul, Minnesota	28.98	736.1	29.89	759.2	22.0	— 5.6	87	se.	17	7.6			10 s		se.	0	0	cloudy	P. F. Lyons.
St. Vincent, Minnesota	28.84	732.5	29.78	756.4	15	— 9.4	86	se.	9	4.0			10 n			inap.	inap.	light snow	C. B. Dilley.
Salt Lake City, Utah	24.98	634.5	29.50	749.3	38	3.3	89	ne.	7	3.1			10 s			0.13	3.3	threatening	J. Craig.
San Diego, California	29.94	760.5	30.01	762.2	55.0	12.8	77	nw.	21	9.4			10 n		nw.	0.93	23.6	light rain	F. R. Day.
Sandusky, Ohio	29.70	754 4	30.42	772.7	21	— 6.1	70	sw.	5	2.2		0	0			0.02	0.5	clear	B. F. Hough.
Sandy Hook, New Jersey	30.13	765.3	30.16	766.1	29.0	— 1.7	77	n.	22	9.8		5 k	0	nw.		0.45	11.4	fair	V. P. Chappel.
Sanford, Florida	30.22	767.6	30.27	768.8	56.0	13.3	77	ne.	12	5.4		0	0			0.02	0.5	clear	J. B. Marbury
San Francisco, California	29.92	760.0	29.99	761.7	47.9	8.8	78	nw.	15	6.7		2 k	7 s	nw.	nw.	0.67	17.0	threatening	N. Gorom.
Savannah, Georgia	30.26	768.6	30.35	770.9	40.7	4.8	68	n.	7	3.1		0	0			inap.	inap.	clear	H. W. Ford.
Shaw, Fort, Montana	25.89	657.6	29.69	754.1	4.2	—15.4	76	nw.	12	5.4			10 s			0.12	3.0	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.95	760.7	30.12	765.0	45.0	7.2	71	se.	5	2.2		5 cs	0	sw.		0	0	fair	E. N. Meekins.
Sitka, Alaska	29.56	750.8	29.63	752.6	25.5	— 3.6	42	e.	7	3.1			10 ks		e.	0	0	cloudy	F. W. Fickett.
Smithville North Carolina	30.29	769.4	30.33	770.4	37.8	3.2	61	n.	12	5.4		0	0			inap.	inap.	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.31	693.7	29.44	747.8	31.0	— 0.6	100	e.	7	3.1			10 n			0.79	20.1	light snow	D. Moore.
Springfield, Illinois	29.50	749.3	30.22	767 6	24.9	— 3.9	80	s.	17	7.6			10 s		sw.	0	0	cloudy	T. B. Jennings.
Stockton, Fort, Texas	26.82	681.2	29.90	759 4	63.0	17.2	45	se.	13	5.8			10 s			0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.41	747.0	29.51	749.5	40.0	4.4	76	nw.	14	6.3		1 cs	5ks; s			0.02	0.5	fair	R. Connor.
Thomas, Camp, Arizona	27.10	688 3	29.88	758.9	50.2	10.1	90	w.			1	0	3 s		w.	0	0	clear	R. O. Lord.
Toledo, Ohio	29.65	753.1	30.38	771.6	16	— 8.9	83	se.	4	1.8		hz.	0			inap.	inap.	clear	A. Buell.
Unalashka, Alaska	30.20	767.1	30.22	767.6	35	1.7	64	se.	16	7.2		0	0			0	0	clear	Samuel Applegate.
Vicksburg, Mississippi	29.96	761.5	30.24	768.1	43	6.1	68	se.	3	1.3		3 ck	0	w.		0	0	clear	F. W. Mixer.
Washington, D. C	30.26	768.0	30.38	771.6	28.8	— 1.8	81	nw.	12	5.4		0	0			0.99	25.1	clear	T. B. Harrison.
West Las Animas, Colorado	25.48	647.2	29.54	750.3	48.5	9.2	49	sw.	8	3.6		0	4 s		w.	0	0	fair	F. H. Brandenburg
Wilmington, N. Carolina	30.30	769.6	30.36	771.1	39.0	3.9	73	n.	10	4.5		0	0			0.01	0.3	clear	L. H. Albrecht.
Yankton, Dakota	28.18	715.8	29.57	751.1	31.1	— 0.5	78	s.	22	9.8		1 c	0	s.		0	0	clear	E. H. Thompson.
Yuma, Arizona	29.69	754.1	29.84	757.9	59.9	15.5	46	w.	25	11.2		0	hz.			0	0	clear	W. S Delano.
Sub-series.																			
Behringsland, Kamchatka	29.18	741.2	29.20	741.7	33.1	0.6	93	n.	30	13.4			10 n			0.01	0.3	sleeting	George Cherwick.
Bluefields, Nicaragua, U. A.					76	24.4		nw.			3	0	4 k		ne.	0.21	5.3	fair	W. H. Jackson.
Bogota, U. S. C	22.02	559.2			51.8	11.0	93	nw.	2	1			10 k		ne.	0.071	1.8		Joaquin Gomez.
Chimo, Fort, Ungava	29.79	756.7	29.95	760.7	1	—17.2	100	s.	4	1.8		10 cs	0	s.		0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I			30.12	765.0	69.3	20.7	86	n.	1	0.4		0	0			0	0	clear	Robert Johnstone.
Paramaribo, S. A	30.04	763.0	30.04	763.0	75	23.9	90	ne.			3		10 n	ne.	ne.	0.800	20.3	raining	Dr. C. J. Herring.
Puerto Berrio, U. S. C	29.38	740.2	29.94	760.5	74	23.3	94	s.			1		10			0.30	7.0	foggy	Francisco J. Olsneros
Rivas, Nicaragua, C. A					76	24.4	82	ne.			2					0	0	clear	Earl Flint.
York Factory, B. A	30.07	763.8	30.14	765.5	—30.0	—34.4		ne.	15	6.7		1 c	0	ne.		0	0		Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.06	763.4	30.06	763.6	76.3	24.6	84	n.	11.2	5.0			6 k		n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	29.97	761.3	30.04	763.0	72.3	22.4	92	n.			4		1 k		n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Assyrian Monarch, N. 40° 07′, W. 65° 34′	.....	.....	52	11.1	.....	wnw.	.....	.....	6	.....	7	.....	wnw.	8 h'r	8 h'r	high	.....	overcast.
S. S. Arizona, N. 48° 57′, W. 28° 25′	29.25	742.9	36	2.2	.....	nw.	.....	.....	6–8	.....	5	.....	nw.	o	o	high	nw.	h'vy squalls
S. S. Armenia, N. 41° 35′, W. 55° 00′ *	30.04	763.0	50	10.0	93	ese.	.....	.....	6	.....	10	.....	.....	8 h'r	8 h'r	mod.	n.	overcast.
S. S. Antonio Lopez, N 19° 56′, W. 61° 46′	30.18	766.6	74	23.3	76	ene.	.....	.....	3	.....	4	.....	.....	1 h'r	1 h'r	mod.	e.	fair.
S. S. America, N. 49° —′, W. 20° —′ *	29.13	739.9	42	5.6	83	wnw.	.....	.....	5	.....	8	.....	wnw.	4 h'r	4 h'r	high	nw.	squally.
S. S. Athos, Savanilla, U. S. C.	.....	.....	.....	.....	.....	ese.	.....	.....	3	.....	o	.....	.....	o	o	.....	.....	clear.
S. S. Bothnia, N. 51° 19′, W. 13° 29′	.....	.....	45	7.2	76	w.	.....	.....	6	.....	5	.....	wsw.	6 h'r	6 h'r	r'gh.	w.	sleeting.
S. S. Britannic, N. 40° 41′, W. 71° 20′†	29.90	759.4	36	2.2	.....	ne.	.....	.....	4	.....	9	.....	e.	2 h'r	2 h'r	sm'h	e.	overcast.
S. S. City of Augusta, N. 37° 29′, W. 75° 11′†	30.32	770.1	.....	.....	.....	nnw.	.....	.....	8	.....	6	.....	nw.	o	o	r'gh	.....	fair.
S. S. Caracas, Puerto Cabello, Venezuela *†	30.01	762.2	77	25.0	86	ene.	.....	.....	2	.....	.....	.....	n.	light	light	mod.	ene.	fair.
S. S. Celtic, Liverpool, Eng	.....	.....	.....	.....	.....	w.	.....	.....	5	.....	6	.....	wnw.	3 h'r	3 h'r	.....	.....	fair.
S. Dora, N. 40° 02′, W. 55° 48′ *†	30.06	763.5	65.3?	18.5?	.....	sw.	.....	.....	4	.....	6	.....	sw.	4 h'r	4 h'r	long	nne.	fair.
S. S. Donau, N. 42° 52′, W. 47° 50′	30.24	768.1	.....	.....	.....	ne.	.....	.....	4	.....	1	.....	ne.	6 h'r	6 h'r	mod.	ne.	fair.
S. S. Canada, (Fr) N. 49° 43′, W. 12° 33′	29.20	741.7	57 ?	14?	.....	w.	.....	.....	4	.....	k	.....	w.	o	o	large	w.	clear.
S. S. France, N. 42° 50′, W. 43° 20′*†	30.26	768.6	.....	.....	.....	ne.	.....	.....	4	.....	5	.....	ene.	rain	rain	r'gh	ne.	fair.
Bk. Fred W. Carlon, N. 24° 59′, W. 83° 15′†	30.27	768.8	.....	.....	.....	nne.	.....	.....	4	.....	4	.....	e.	o	o	sm'h	ne.	fair.
S. S. Gallia, N. 41° 13′, W. 64° 40′	.....	.....	51	10.6	.....	sw.	.....	.....	4	.....	10	.....	.....	3 h'r	3 h'r	con.	.....	rain & fog.
S. S. Gellert, N. 40° 51′, W. 66° 06′	29.65	753.1	46.5	8.1	96	w.	.....	.....	5	.....	4	.....	w.	4 h'r	4 h'r	mod.	ne.	
Bk. Godeffroy, N. 34° 04′, W. 71° 50′	30.10	764.5	57.7	14.3	78	nw.	.....	.....	7	.....	8	.....	nw.	rain	rain	cross	nw;w	cloudy.
S S George ... Thomas, N. 14° 34′, W. 49° 32′	.....	.....	.....	.....	.....	e.	.....	.....	4	.....	3	.....	ene.	2 h'r	2 h'r	rg'h	e.	clear.
S. S. Greece, N. 49° 35′, W. 7° 20′ †	29.38	746.2	47	8.3	.....	sw.	.....	.....	6	.....	8	.....	sw.	o	o	mod.	sw.	squally.
S. S. Iowa, N. 50° 47′, W. 14° 03′†	29.18	741.2	42	5.6	.....	wsw.	.....	.....	6	.....	6	.....	wsw.	4 h'r	4 h'r	r'gh	wsw.	squally.
S. S. Lord Clive, N. 50° 40′, W. 14° 21′	.....	.....	.....	.....	.....	wsw.	.....	.....	5	.....	5	.....	var.	snow	snow	high	wnw.	fair.
S. S. Lampassas, N. 33° 48′, W. 75° 24′	.....	.....	.....	.....	.....	nne.	.....	.....	5	.....	3	.....	ne.	6 h'r	6 h'r	.....	sw.	fair.
Bg. L. F. Munson, Matanzas, Cuba, W.I*†	30.24	768.1	76	24.4	.....	calm	.....	.....	0	.....	3	.....	e.	o	o	.....	.....	clear.
Bg. Lilian, N. 32° 04′, W. 73° 50′†	30.20	767.1	63	17.2	.....	nnw.	.....	.....	6	.....	3	.....	n.	1 h'r	1 h'r	r'gh	w;n.	fair.
S. S Nurnberg, N 41° 51′, W. 57° 50′	29.87	758.7	53.6	12.6	.....	s.	.....	.....	4	.....	6	.....	s.	8 h'r	8 h'r	mod.	ene.	fair.
S. S. Nessmore, Liverpool, Eng.	.....	.....	48	8.9	85	nw.	.....	.....	6	.....	4	.....	nw.	8 h'r	8 h'r	.....	.....	fair.
Schr. Norena, N. 31° 21′. W 71° 22′	.....	.....	.....	.....	.....	nnw.	.....	.....	4	.....	9	.....	ese.	2 h'r	2 h'r	light	se.	cloudy.
S. S. Orinoco, Hamilton, Bermuda	.....	.....	70	21.1	.....	sw.	.....	.....	4	.....	o	.....	.....	o	o	.....	.....	clear.
Bk. Orpheus, N. 42° 59′, W. 48° 59′	.....	.....	40	4.4	.....	var.	.....	.....	4–8	.....	6 ks	.....	w.	16 h'r	16 h'r	mod.	.....	fair.
S. S. Pennsylvania, N. 43° 01′, W. 42° 50′ †	30.25	768.3	49	9.4	85	ne.	.....	.....	5	.....	o	.....	.....	5 h'r	5 h'r	mod.	wsw.	clear.
S. S. Rhaetia, N. 49° 29′, W. 20° 56′	29.15	740.4	36	2.2	.....	w.	.....	.....	7	.....	10	.....	w.	hail	hail	hv'y	w.	squally.
Bg. Rising Sun, N. 33° 12′, W. 74° 56′	.....	.....	62	16.7	.....	nnw.	.....	.....	6	.....	3	.....	n.	o	o	short	wnw.	clear
S. S. Salerno, Hull, Eng	.....	.....	38	3 3	.....	nw.	.....	.....	4	.....	10	.....	e.	o.5	13.	.....	.....	raining.
S. S. Salier, N. 49° 09′, W. 19° 06′	29.13	739.9	.....	.....	.....	wsw.	.....	.....	6–8	.....	.....	.....	w.	12 h'r	12 h'r	cross	nw.	snowy.
S. S. Silesia, N. 48° 22′, W. 26° 58′	29.15	740.4	38	3.3	90	nw.	.....	.....	9	.....	6	.....	wnw.	rain	rain	.....	wnw.	snowing.
S. St. David, N. 51° 34′, W. 7° 28′	.....	.....	45.3?	7.5?	73	wsw.	.....	.....	6	.....	9	.....	sw.	12 h'r	12 h'r	mod.	wsw.	snow & hail
S. S. The Queen, N. 40° 30′, W. 73° 05′	30.08	764.0	30	— 1.1	.....	wnw.	.....	.....	6	.....	.....	.....	wnw.	2 h'r	2 h'r	sm'h	.....	clear.
Bk. Tuck Sing, N. 21° 46′, W. 80° 22′ *†	30.12	765.0	.....	.....	.....	ne.	.....	.....	1	.....	o	.....	.....	o	o	sm'h	.. ....	clear.
S. S. Venetian, N. 51° 35′, W. 8° 32′	.....	.....	42	5.6	68	ssw.	.....	.....	3–5	.....	7	sw.	ssw.	7 h'r	7 h'r	mod.	wsw.	snow squalls
S. S. Westernland, N. 49° 35′, W. 9° 00′	29.30	744.2	44	6.7	100	sw.	.....	.....	6	.....	5	.....	wsw.	3 h'r	3 h'r	high	w.	squally
S. S. W. A Scholten, N. 46° 14′, W. 36° 11′	29.63	752.6	50.0?	10?	.....	sw.	.....	.....	6	.....	10	.....	w.	11 h'r	11 h'r	6	w.	raining.
S. S. Zeeland, N. 47° 57′, W. 22° 12′ *†	29.10	739.1	40	4.4	.....	w.	.....	.....	7	.....	10	.....	wnw.	.....	.....	high	wnw.	hail squalls.
S. S. Australia, N. 41° 22′, W. 52° 38′†	30.08	764.0	51	10.6	.....	ese.	.....	.....	6	.....	10	.....	sw.	2 h'r	2 h'r	cross	se.	dull.
Bk. George Davis, N. 53° 50′, E. 3° 50′*†	29.41	747.0	.....	.....	.....	se.	.....	.....	7	.....	s.	.....	se.	4 h'r	4 h'r	r'gh	ese.	raining.
Schr Adda Doane, N. 37° 07′, W. 75° 55′†	30.32	770.1	.....	.....	.....	nw.	.....	.....	6	.....	1	.....	nw.	3 h'r	3 h'r	sm'h	.....	clear.
S. S. Baltic, N. 40° 36′, W. 63° 44′*†	29.71	754.6	..	.....	.....	ssw.	.....	.....	6	.....	8	.....	sw.	12 h'r	12 h'r	mod.	cross	fine.
S. S. Chalmette, N. 33° 57′, W. 77° 00′ *†	30.38	771.6	50	10.0	.....	se.	.....	.....	6	.....	6	.....	ne.	2 h'r	2 h'r	mod	n.	fair.
S. S. Erin, Thames river, Eng	.....	.....	47	8.3	.....	nw.	.....	.....	4	.....	8	.....	wnw.	4 h'r	4 h'r	.....	.....	cloudy.
S. S. Grecian, N. 42° 06′, W. 49° 36′	30.20	767.1	39	3.9	91	ese.	.....	.....	4	.....	o	.....	.....	6 h'r	6 h'r	mod	ese.	clear
Schr. James Slater, N. 16° 03′, W. 46° 04′	.....	.....	76	24.4	.....	e.	.....	.....	5	.....	5	.....	ese.	1 h'r	1 h'r	mod.	var	squally.
Bg. John Wesley, N. 33° 41′, W. 68° 32′*†	30.04	763.0	.....	.....	.....	wnw.	.....	.....	6	.....	9	.....	nw.	3 h'r	3 h'r	cross	.....	rainy.
S. S. Lone Star, N. 26° 55′, W. 80° 01′ *†	30.22	767.6	73	22.8	.....	nnw.	.....	.....	2	.....	5	.....	e.	2 h'r	2 h'r	sm'h	.....	clear.
S. S. Lessing, N. 40° 52′, W. 48° 04′	30.11	764.8	53	11.7	.....	ene.	.....	.....	4	.....	9	.....	ese	2 h'r	2 h'r	r'gh	ne.	overcast.
S. S. Ohio, (Am) Wilmington, Del †	30.25	768.3	26.5	— 3.1	88	nw.	.....	.....	4	.....	1	.....	nw.	11 h'r	11 h'r	.....	.....	clear.
S. S. St. Laurent, N. 42° 20′, W. 57° 40′	29.95	760.7	53.6	12	.....	se.	.....	.....	5	.....	10	.....	se.	4 h'r	4 h'r	r'gh	var.	rainy.
Schr. Viola Reppard, N. 38° 47′, W. 71° 11′	.....	.....	40	4.4	.....	nw.	.....	.....	7	.....	10	.....	nw.	10 h'r	10 h'r	.....	nw.	cloudy.
Bk. Western Chief, N. 47° 24′, W. 16° 50 *†	29.19	741.4	.....	.....	.....	sw.	.....	.....	4	.....	5 k	.....	sw.	.....	.....	7	nw.	hailing.
S. S. Werra, N. 48° 10′, W 29° 28′*	29.33	745.0	40.1	4.5	.....	nnw.	.....	.....	6–8	.....	5	.....	nnw.	2 h'r	2 h'r	high	nnw.	rainy.
U. S. Navy Yard, Portsmouth, N. H.	29.75	755.6	30	— 1.1	78	nw.	13	5.8	.....	.....	10	.....	nw.	.....	.....	.....	.....	snowing.
U. S. S. Galena, N. 27° 29′, W. 74° 20′ *	30.16	766.1	74	23.3	86	s.	.....	.....	2	.....	5	.....	s;w.	.....	.....	long	s.	fair.
U. S. S. New Hampshire, Newport, R. I.	29.89	759.2	29	— 1.7	.....	nw.	.....	.....	5	.....	2	.....	nw.	.....	.....	mod.	.....	fair.
U. S. S. Powhatan, Port Royal, S. C	30.34	770.6	43	6.1	92	nnw.	.....	.....	3	.....	o	.....	.....	.....	.....	.....	.. ....	clear.
U. S. S. Quinnebaug, Leghorn, Italy	29.87	758.7	55	12.8	61	sw.	.....	.....	2	.....	8	.....	sw.	.....	.....	sm'h	.....	cloudy.
U. S. S. Saratoga, New York, N. Y.	30.18	766 6	27	— 2.8	76	nw.	.....	.....	3–5	.....	0	.....	.....	h'vy	h'vy	sm'h	.....	clear.
U. S. S. Tennessee, Sacrificios Id, Gulf of Mexico	30.12	765.0	75	23.9	90	n	2	0.9	.....	.....	10	.....	nw.	o	o	sm'h	ne.	cloudy
U. S. S. Yantic, N. 3° 34′, W. 79° 19′	30.30	769 6	63	17.2	62	ne.	.....	.....	4	.....	2	.....	.....	.....	.....	mod.	nne.	clear.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.90	759.4	63	17.2	72	wnw.	.....	.....	3	.....	8	wnw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Alecto, N. 3° 46, E. 80 47′	29.86	758.4	84	28.9	.....	s.	.....	.....	1	.....	4	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Boadicea, Ambas Bay, W. Africa	29.85	758.2	83	28.3	91	wnw.	.....	.....	1	.....	1	wnw.	.....	.....	.....	1	nnw.	blue sky.
H. M. Dockyard, Bermuda, Atlantic	30.12	765.0	66.5	19.2	89	sse.	.....	.....	3	.....	1	sse.	.....	.....	.....	.....	.....	blue sky
H. M. S. Himalaya, N. 36° 57′, W. 9° 15′	29.89	759.2	60	15.6	82	ssw.	.....	.....	4	.....	2	sse.	.....	.....	.....	3	wsw.	d. clouds.
H. M. S. Minotaur, Suda Bay, Mediterranean	29.89	759.2	58	14.4	86	wsw.	.....	.....	3	.....	4	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S Myrmidon, Malta, Mediterranean	30.00	762.0	61.5	16.4	85	nne.	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	d. clouds.
H. P. M. S. Bengo, N. 10° 54′, W. 20° 24′	.....	.....	73.4	23.0	87	ne.	.....	.....	5	.....	2	.....	se.	o	o	.....	.....	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.82	757.5	87.4	30.8	84	sse.	.....	.....	4	.....	4	.....	se.	o	o	?	se.	d. clouds.
S. S. British Prince, N. 39° 06′, W. 68° 19′	.....	.....	41	5.0	82	w.	.....	.....	7	.....	10	.....	w.	4 h'r	4 h'r	h'vy	w.	squally.
S. S. Circassian, Halifax, N.S	.....	.....	31	— 0.6	100	sse.	.....	.....	6	.....	10	.....	sse.	.....	.....	sm'h	.....	raining.
S. S. Scandinavian, Portland, Me	29.86	758.4	30	— 1.1	.....	nw.	.....	.....	2	.....	10	.....	nw.	snow	snow	.....	.....	snowing
S. S. Sardinian, N. 53° 52′, W. 13° 26′	29.00	736.6	41	5.0	.....	sw.	.....	.....	2	.....	4	.....	w.	4 h'r	4 h'r	mod.	w.	clear
S. S. Dorian, N. 36° 00′, W. 6° 00′	29.93	760.2	58	14.4	....	wsw.	.....	.....	6	.....	6	.....	w.	6 h'r	6 h'r	mod.	sw.	fine.
S. S. Furnessia, N. 41° 10′, W. 60° 03′ *†	29.72	754.9	59	15.0	.....	sse.	.....	.....	5	.....	10	.....	e.	o	o	mod	ne.	dense mist.
S. S. Galatia, N. 43° 03′, E. 8° 05′*†	29.94	760.5	61	16.1	.....	wsw.	.....	.....	3	.....	3	.....	wsw.	o	o	light	wsw.	fair.
S. S. Carroll, N. 43° 06′, W. 65° 56′ *†	29.55	750.6	33	0.6	.....	ese.	.....	.....	3	.....	10	.....	ese.	h'vy	h'vy	long	ese.	dense fog.
S. S. California, N. 40° 40′, W. 66° 00′*†	29.65	753 1	44.5	6.9	.....	wsw.	.....	.....	4	.....	.....	.....	wsw.	rain	rain	long	sw.	fair.
S. S. Wyoming, N. 42° 20′, W. 57° 41′	29.86	758.4	49	9.4	.....	ese.	.....	.....	6	.....	8	.....	ssw.	15 h'r	15 h'r	r'gh	ene.	threatening
S. S. Bohemia, N. 42° 45′, W. 42° 52′	.....	.....	.....	.....	.....	nnw.	.....	.....	3–6	.....	9	.....	var.	o	o	r'gh	e.	overcast.
S. S. Westphalia, N. 39° 59′, W. 67° 49′	29.67	753.6	37	2.8	.....	nw.	.....	.....	4	.....	10	.....	nw.	1 h'r	1 h'r	mod.	nw.	covered.
S. S. Virginian, N. 47° 53′, W. 32° 00′	.....	.....	46	7.8	.....	nw.	.....	.....	7	.....	.....	.....	nw.	o	o	h'vy	nw.	cloudy.
S. S. Archimedes, (Br.) N. 7° 31′, W. 28° 00′	29.94	760.5	.....	.....	.....	nne.	.....	.....	4	.....	3	.....	ne.	o	o	light	n.	fine.
S. S. Teniers, N. 15° 03′, W. 24° 05′	30.06	763 5	71.3	21.8	66	nne.	.....	.....	6	o	6 k	.....	.....	o	o	5	nne.	d. clouds.
S. S. Archimede, (It.) New York, N. Y†	30.09	764.3	.....	.....	.....	nw.	.....	.....	4	.....	3	.....	nnw.	8 h'r	8 h'r	.....	.....	clear.
S. S. Picqua, Lisbon, Portugal †	29.80	756.9	58	14.4	88	wsw.	.....	.....	2	.....	.....	.....	.....	6 h'r	6 h'r	.....	.....	overcast
S. S. City of Merida, N. 28° 35′, W. 80° 21′	.....	.....	.....	.....	.....	ne.	.....	.....	3	.....	2	.....	sw.	o	o	light	n.	fine.
S. S. Canada, (Br.) N. 40° 00′, W. 66° 21′	.....	.....	45	7.2	.....	w.	.....	.....	6	.....	10	.....	nw.	5 h'r	5 h'r	r'gh	w.	cloudy.
S. S. Helvetia, N. 40° 57′, W. 51° 54′	30.05	763.3	52	11.1	93	e.	.....	.....	5	.....	8	.....	ese.	o	o	mod.	ene.	cloudy.
S. S. Italy, N 41° 56′, W. 56° 25′*	29.94	760.5	51	10.6	100	ese.	.....	.....	5	.....	10	.....	ese.	6 h'r	6 h'r	mod.	e.	raining.
S. S. Hohenstaufen, N. 38° 40′, W. 62° 00′	29.74	755.4	58	14.4	.....	w.	.....	.....	4–5	.....	7	.....	sw.	3 h'r	3 h'r	mod.	sw.	cloudy.
S. S. Neckar, off Start Pt. Eng.	29.37	746.0	46.4	8.0	78	sw.	.....	.....	3	.....	6	.....	w.	4 h'r	4 h'r	cross	w.	cloudy.
S. S. Rhein, N. 40° 38′, W 62° 12′	29.66	753.4	.....	.....	.....	sw.	.....	.....	6	.....	10	.....	.....	12 h'r	12 h'r	high	sw.	rainy.
S. S. Muriel, N. 26° 00′, W. 67° 00′	.....	.....	74	23.3	.....	e.	.....	.....	2	.....	o	.....	.....	o	o	mod.	e.	clear.
S. S. Pennland, N. 40° 04′, W. 64° 44′	29.73	755.1	55	12.8	100	w.	.....	.....	4	.....	4	.....	n.	10 h'r	10 h'r	mod.	wnw.	hazy.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
										Upper.	Lower.	Upper.	Lower.					
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Vaderland, N. 49° 55′, W. 5° 12′	.....	.....	50	10.0	.....	wsw.	.....	.....	4	.....	3	.....	w.	6 h'r	6 h'r	sm'h	.....	
S. S. Waesland, N. 42° 12′, W. 44° 38′	30.23	767.8	47	8.3	.....	nne.	.....	.....	5	.....	8	.....	ne.	6 h'r	6 h'r	long	nne.	clearing.
S. S. Amsterdam, New York, N. Y.	.....	.....	.....	.....	.....	n	.....	.....	3	.....	5	.....	nw.	0	0	.....	.....	fair.
S. S. Zaandam, N. 49° 47′, W. 5° 12′*	29.32	744.7	49.6	9.8	76	sw.	.....	.....	5	.....	3	.....	wsw.	7 h'r	7 h'r	long	w.	fair.
S. S. Maasdam, N 40° 07′, W 49° 53′*	30.19	766.8	55	12.8	90	ne.	.....	.....	3	.....	10	.....	ne.	1 h'r	1 h'r	3	n.	overcast.
S. S. State of Nevada, Glasgow, Scotland	.....	.....	47	8.3	.....	ene.	.....	.....	3	.....	5	.....	e.	2 h'r	2 h'r	.....	.....	fine.
S. S. Saxon, Philadelphia, Pa *†	30.28	769.1	30	— 1.1	.....	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	fine.
S. S. Republic, N. 44° 34′, W. 39° 28††	30.00	762.0	42	5.6	83	nnw.	.....	.....	6	.....	8	.....	nw.	hail	hail	rg'h	n.	d. clouds.
S. S. Marengo, N. 42° 12′, W. 39° 40††	29.98	761.5	44	6.7	.....	nne.	.....	.....	5	.....	8	.....	ne.	4 h'r	4 h'r	cross	var.	cloudy.
Schr. Arthur Burton, N. 31° 50′, W. 70° 00′†	30.17	766.3	.....	.....	.....	wnw.	.....	.....	2	.....	10	.....	wnw.	2 h'r	2 h'r	r'gh	s.	threatening.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	29.99	761.7	78	25.6	.....	calm	.....	.....	0	.....	3	.....	ene.	0	0	.....	.....	clear.
S. Annie, N. 23° 43′, W. 43° 23′ *	30.17	766.3	.....	.....	.....	ne.	.....	.....	5	.....	5?	.....	ne.	0	0	long	e.	cloudy.?
Schr. Abbie H. Gheen, Springwood Mills, S. C. *†	30.40	772.1	45	7.2	.....	n.	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 32° 30′, W. 19° 35′ *†	30.05	763.3	63	17.2	.....	wsw.	.....	.....	6	.....	5?	.....	w.	0	0	sm'h	nw.	cloudy.?
Bk. Achille F., N. 18° 3′, W. 42° —′ *†	30.16	766.1	72	22.2	83	e.	.....	.....	4	.....	2	.....	e.	0	0	long	var.	fine.
Bk. Bore, N. 37° 21′, W. 14° 23′*†	29.73	758.1	59	15.0	.....	sw.	.....	.....	5	.....	9	.....	wnw.	5 h'r	5 h'r	mod.	nw.	cloudy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	30.00	762.0	78	25.6	.....	calm	.....	.....	0	.....	10	.....	ne.	20 h'r	20 h'r	.....	.....	cloudy.
Bk. Cato, Oporto, Portugal†	29.67	753.6	54	12.2	90	sw.	.....	.....	6	.....	.....	.....	.....	18 h'r	18 h'r	.....	.....	rainy.
S. David Stewart, Orchilla Island, Venezuela	.....	.....	80	26.7	.....	ene.	.....	.....	3	.....	5	.....	ene.	0	0	mod.	e.	
Schr. Edith R. Seward, N. 9° 45′, W. 59° 30′†	30.03	762.7	80	26.7	.....	ne.	.....	.....	3	.....	4	.....	ne.	¼ h'r	¼ h'r	long	ne.	clear.
U. S. Fish Com. S. S. Fish Hawk, Norfolk, Va†	30.27	768.8	44	6.7	.....	ese.	.....	.....	1	.....	10	.....	se.	0	0	.....	.....	cloudy.
S. Frank N. Thayer, N. 16° 46′, W. 35° 49′ *†	30.13	765.3	72	22.2	75	e.	.....	.....	6	.....	10	.....	e.	rain	rain	mod.	ese.	squally.
Bg. George. Arroyo, Porto Rico W. I*†	30.10	764.5	.....	.....	.....	ene.	.....	.....	2	.....	10?	.....	ese.	shr's	shr's	mod.	e.	fair.?
Bk. Galeon, N. 35° 33′, W. 15° 33′	.....	.....	61	16.1	.....	sw.	.....	.....	5	.....	10	.....	var.	light	light	.....	nw.	overcast.
S. Gatherer. N. 21° 05′, W. 38° —′†	30.16	766.1	73	22.8	71	ese.	.....	.....	5	.....	3?	.....	se.	6 minutes		.....	se.	cloudy?
Bk. Heinrich & Tonio, N. 44° 42′, W. 21° 40′ *†	29.52	749.7	40	7.8	80	var.	.....	.....	3–6	.....	5	.....	wnw.	24 h'r	24 h'r	long	nw.	squally.
Bk. Hattie G. McFarland, Aspinwall, U. S. C.	.....	.....	80	26.7	.....	ne.	.....	.....	6	.....	6	.....	ne.	0	0	.....	.....	
Schr. Jennie N. Huddell, Wilmington, N. C.	.....	.....	42	5.6	.....	nnw.	.....	.....	5	.....	0	.....	.....	1 h'r	1 h'r	.....	.....	clear.
Bg. John Welsh, jr., Barbadoes, W. I†	29.97	761.2	.....	.....	.....	ene.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, N. 20° 27′, W. 79° 50′*†	30.11	764.8	.....	.....	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	light	e.	clear.
Schr. Jenny Greenbank, N. 12° 27′, W. 58° 13′*	29.97	761.2	72	22.2	.....	ne	.....	.....	3	.....	4	.....	ene.	1 h'r	1 h'r	mod.	ene.	fair.
Bg. L. & W. Armstrong, Pointe à Pitre, Guadeloupe, WI†	30.04	763.0	.....	.....	.....	e.	.....	.....	1	.....	3	.....	e.	1 h'r	1 h'r	.....	.....	showery.
Light-house tender Laurel, Key West, Fla †	30.20	767.1	72	22.2	.....	n.	.....	.....	2	.....	10	.....	ne.	0	0	.....	.....	cloudy.
S. S. Madrid, Savona, Italy†	29.87	758.7	60	15.6	87	s.	.....	.....	1	.....	5	.....	sse.	0	0	.....	.....	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W. I*†	30.04	763.0	.....	.....	.....	ne.	.....	.....	4	.....	2	.....	ne.	0	0	.....	.....	clear.
Schr. Nellie T Morse, N. 28° 33′, W. 85° 31′ †	30.27	768.8	72	22.2	.....	nne.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Rosina, N. 38° 55′, W. 59° 07′	29.95	760.7	66	18.9	.....	s.	.....	.....	7	.....	6	.....	s.	0	0	large	s.	gloomy.
Bk. Sunbeam, Lisbon, Portugal†	29.80	756.9	58	14.4	88	ssw.	.....	.....	8	.....	10	.....	ssw.	10 h'r	10 h'r	.....	.....	cloudy.
S. Stephen D. Horton, Antwerp, Belgium	.....	.....	.....	.....	.....	se.	.....	.....	6	.....	10	.....	s.	1 h'r	1 h'r	.....	.....	rainy.
S. Tasmogora, N. 41° 10′, W. 29° 48′ *†	29.64	752.8	.....	.....	.....	wnw.	.....	.....	5	.....	3	.....	nw.	rain	rain	long	wnw.	squally.
Bk. Tros, N. 36° 08′, W. 21° 33′ *†	29.79	756.7	61	16.1	.....	wsw.	.....	.....	6–7	.....	7	.....	w.	0	0	r'gh	w.	squally.
S. Vincenzo Accame, N. 36° 35′, W. 2° 15′†	29.92	760.1	59.0	15	.....	w.	.....	.....	4	.....	2	.....	.....	0	0	sm'h	.....	fair.
District No. 2—South Atlantic.																		
H. M. S. Amethyst, Stanley, Falkland Islands	29.76	755.9	53.5	11.9	76	w.	.....	.....	3–5	.....	3	s.	.....	.....	.....	.....	.....	squally.
H. M. S. Opal, Simons Bay, Cape Colony	29.90	759.4	69	20.6	75	ese.	.....	.....	3	.....	1	ese.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	30.05	763.3	70	21.1	90	ne.	.....	.....	2	.....	3	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela.	29.87	758.7	71.6	22.0	74	wsw.	.....	.....	4	.....	1	.....	.....	0	0	2	.....	blue sky.
S. S. Hevelius, S. 35° 00′, W. 54° 00′*†	30.22	767.6	74	23.3	.....	ese.	.....	.....	5	.....	2	.....	wnw.	0	0	.....	.....	clear.
S. S. Strassburg, S. 25° 27′, W. 42° 46′	30.02	762.5	75.0	23.9	93	e	.....	.....	5	.....	10	.....	e.	16 h'r	16 h'	5	var.	raining.
S. Grecian, S. 2° 44′, W. 31° 48′ †	30.01	762.2	78	25.6	91	sse	.....	.....	1	.....	10	.....	var.	12 h'r	12 h'r	long	n.	rainy.
S. Henry Failing, S. 1° 30′, W. 31° 17′*†	29.92	760.0	85	29.4	87	nw.	.....	.....	2	.....	8	.....	.....	12 h'r	12 h'r	cross	var.	misty.
Bk. Horace Scudder, Loango, Guinea*†	30.00	762.0	83	28.3	.....	wsw.	.....	.....	4	.....	5	.....	wsw.	0	0	.....	sw.	fair.
S. Ismir, S. 34° 35′, W. 27° 51′ *†	30.15	765.8	.....	.....	.....	wsw.	.....	.....	1	.....	7	.....	se.	0	0	sm'h	.....	fine.
Bkt. Levanter, Montevideo, Uruguay *	30.14	765.5	74	23.3	.....	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	hazy.
S. S. Mendoza, S. 21° 10′, W. 37° 09′†	30.10	764.5	.....	.....	.....	ne.	.....	.....	1	.....	.....	.....	ne.	2 h'r	2 h'r	sm'h	e.	clear.
U. S. S. Nipsic, S. 35° 07′, W. 56° 14′*	30.13	765.3	71	21.7	85	ne.	.....	.....	3	.....	2	.....	w.	.....	.....	sm'h	.....	clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.19	766.8	39	3.9	38	nnw.	.....	.....	2	.....	8	.....	w.	0	0	.....	.....	cloudy.
U. S. S. Essex, N. 22° 14′, E. 114° 56′	30.15	765.8	62	16.7	88	ene.	.....	.....	5	.....	10	.....	.....	.....	.....	mod.	.....	cloudy.
U. S. S. Juniata, Roze Island, Corea	30.29	769.4	40	4.4	73	w.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Palos, N. 39° 41′, E. 122° 40′	30.09	764.3	38	3.3	100	s.	.....	.....	4	.....	0	.....	.....	.....	.....	mod.	s.	drizzling.
U. S. S. Ranger, Estero Real, Nicaragua	30.05	763.3	81	27.2	66	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
H. M. S. Audacious, Hong Kong, China	30.13	765.3	62	16.7	88	ene.	.....	.....	2	.....	10	e.	.....	.....	.....	.....	.....	showery.
H. M. S. Champion, Shanghai, China	30.23	767.8	49	9.4	71	se.	.....	.....	4	.....	9	ne.	.....	.....	.....	.....	.....	d. clouds.
H. P. M. S. Tamega, Macao, China	30.14?	765.5?	55.5	13.2	98	n.	.....	.....	2–4	.....	8	.....	.....	.....	.....	2	.....	squally.
U. S. S. Monocacy, Canton, China	30.16	766.1	63.5	17.5	75	nne.	.....	.....	3	.....	10	.....	.....	12 h'r	12 h'r	.....	.....	drizzling.
S. S. City of Chester, San Francisco, Cal.†	30.16	766.1	61	16.1	88	calm	.....	.....	0	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
S. S. Oregon, San Francisco, Cal †	29.98	761.5	46	7.8	84	nw.	.....	.....	7	.....	.....	.....	.....	0	0	.....	.....	fair.
S. S. Alameda, San Francisco, Cal †	30.04	763.0	48	8.9	78	calm	.....	.....	0	.....	5	.....	se.	.....	.....	.....	.....	fair.
S. S. Ancon, Santa Barbara, Cal †	30.04	763.0	52	11.1	81	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Geo. W. Elder, Seattle, Wash. Ter	29.93	760.2	55	12.8	62	w.	.....	.....	7	.....	0	.....	.....	0	0	mod.	w.	
S. S. State of California, Portland, Oregon †	.....	.....	37	2.8	90	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. City of Pekin, N. 30° 30′, E. 154° 38′ †	29.55	750.6	35	1.7	.....	calm	.....	.....	0	.....	5	.....	w.	.....	.....	.....	.....	fair.
S. S. City of Rio de Janeiro, N. 30° 49′, W. 172° 30′ †	29.95	760.7	59	15.0	100	nnw.	.....	.....	3	.....	10	.....	.....	mod.	mod.	long	nw.	rainy.
S. S. City of Tokio, Yokohama, Japan †	30.22	767.6	60	15.6	.....	nw.	.....	.....	4	.....	.....	.....	nw.	.....	.....	mod.	wnw.	showery.
S. S. Colima, N. 15° 40′, W. 93° 30′†	30.21	767.3	42	5.6	23	n.	.....	.....	2	.....	5	.....	n.	.....	.....	.....	.....	fair.
S. S. Granada, Acapulco, Mexico †	30.05	763.3	77	25.0	91	nw.	.....	.....	3	.....	2	.....	calm	0	0	small	nw.	clear.
S. S. San Jose, Panama, Panama	30.04	763.0	78	25.6	86	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Benalder, N. 35° 15′, E. 139° 45′	.....	.....	82	27.8	.....	nnw.	.....	.....	4	.....	2	.....	nnw.	0	0	.....	.....	clear.
S. S. Oceanic, N. 36° 31′, W. 129° 38′	30.23	767.8	50	10.0	72	n.	.....	.....	4	.....	0	.....	sw.	0	0	sm'h	.....	cloudy.
	30.27	768.8	54	12.2	.....	wnw.	.....	.....	4	.....	5	.....	wnw.	0	0	4	.....	fair.
District No. 4—South Pacific.																		
U. S. S. Wachusetts, S. 26° 30′, W. 71° 07′	30.01	762.2	67	19.4	84	ssw.	.....	.....	2	.....	8	.....	calm	.....	.....	mod.	s.	cloudy.
H. M. S. Espiegle, S. 41° 30′, E. 176° 00′	29.78	759.4	60	15.6	88	ssw.	.....	.....	2	.....	0	.....	.....	.....	.....	1	se.	blue sky.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	29.99	761.7	63.3	17.4	81	sw.	.....	.....	3	.....	8	.....	.....	.....	.....	.....	.....	squally.
H. M. S. Mutine, S. 24° 36′, W. 73° 25′	30.07	763.8	68.5	20.3	.....	sse.	.....	.....	3	.....	10	.....	.....	.....	.....	2	sse.	overcast.
S. S. Sappho, S. 12° 04′, W. 77° 10′	29.94	760.5	71	21.7	90	nne.	.....	.....	1	.....	6	e.	.....	.....	.....	.....	.....	d. clouds.
S. S. City of Sydney, Auckland, New Zealand*†	29.99	761.7	64	17.8	73	sw.	.....	.....	4	.....	3 k	.....	sw.	.....	.....	.....	.....	fair.
S. S. Zealandia, S. 9° 17′, W. 108° 45′	29.99	761.7	81	27.2	87	ne.	.....	.....	4	.....	6	.....	ne.	.....	.....	mod.	ne.	fair.
S. S. Port Phillip, S. 26° 09′, E. 156° 08′	29.88	758.9	79	26.1	80	e.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	se.	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 12° 42′, E. 44° 57′	29.82	757.4	83	28.3	87	ene.	.....	.....	4	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
H. M. S. Magpie, N. 6° 58′, E. 98° 49′	29.91	759.7	83.8	28.8	75	se.	.....	.....	1	.....	4	se.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Tourmaline, S. 9° 54′, E. 43° 14′	29.89	759 2	82	27.8	83	n	.....	.....	3	.....	2	.....	.....	.....	.....	4	nnw.	blue sky.
S. Orealia, S. 34° 42′, E. 74° 10′*	30.29	769.4	.....	.....	.....	ese.	.....	.....	5	.....	10	.....	se.	0	0	sm'h	s.	cloudy.

International Chart I. March 10, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 11, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.97	761.2	74.8	23.8	63	n.	.....	.....	4	.....	0	.....	.....	0	0	clear	Koziere.
Algiers	.....	.....	29.99	761.8	62.6	17.0	70	n.	.....	.....	4	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.97	761.1	60.4	15.8	85	ene.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Fontrède.
Tunis	.....	.....	30.03	762.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.02	762 4	54.3	12.4	61	nw.	.....	.....	1	.....	0	.....	.....	0.165	4.2	clear	Forfert.
Laghonat	.....	.....	30.03	762.8	66.9	19.4	.....	calm	.....	.....	0	.....	5	.....	.....	0	0	cloudy	Abraham.
Biskra	.....	.....	30.02	762.6	65.1	18.4	73	nw.	.....	.....	1	.....	4	.....	.....	0.197	5.0	cloudy	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.09	764.3	57.8	14.3	60	se.	10	4.5	.....	0	.....	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.94	760.5	30.03	762.7	56.1	13.4	81	sse.	1	0.4	.....	.....	8	.....	.....	0.01	0.3	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.34	745.2	29.89	759.1	56.3	13.5	38	sw.	.....	.....	7	.....	10	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.11	739 4	29.89	759.3	41.7	5.4	72	e.	8.7	3.9	.....	.....	9	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.06	738.1	29.95	760.8	44.6	7.0	70	n.	.....	.....	1	.....	10 s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.59	726.2	29.84	757.8	52.7	11.5	52	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.53	724.7	29.98	761.4	50.9	10.5	63	se.	.....	.....	2	.....	6	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.39	721 0	29.72	755.0	49.3	9.6	74	ene.	.....	.....	2	.....	2	.....	.....	0	0	.....	The Staff.
Lemberg	29.01	736 8	30.03	762.8	36.3	2.4	70	e.	.....	.....	1	.....	9	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.93	760.1	30.04	763 0	55.0	12.8	67	sw.	.....	.....	3	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.46	748.2	29.93	760.1	48.0	9.4	61	se.	.....	.....	4	.....	3	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.62	752.4	29.90	759.5	57.6	14.2	51	sw.	.....	.....	1	.....	5	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.94	760 4	30.04	762.9	51.4	10.8	80	nw.	.....	.....	1	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.14	740.2	29.86	758.5	50.0	10.0	64	se.	.....	.....	2	.....	4	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.16	715.2	29.54	750.2	52.5	11.4	88	sw.	.....	.....	4	.....	3	.....	.....	0.472	12.0	raining	
Brussels	29.15	740 3	29.34	745.3	56.3	13.5	65	wsw.	.....	.....	7	.....	10	.....	sw.	0.681	17.3	.....	
Furnes	29.26	743.1	29 28	743.6	50.5	10.3	81	sw.	.....	.....	2	.....	10	.....	.....	0.551	14.0	.....	
Maeseyck	29 22	742.2	29.35	745.4	59.9	15.5	67	ssw.	.....	.....	3	.....	7	.....	.....	0.386	9.8	.....	
BRITISH.																			
Aberdeen	29.33	745.0	29.43	747.5	40.0	4.4	73	sse.	10	4.5	.....	.....	2	.....	.....	0	0	blue sky	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.37	746.0	44.7	7.1	62	s.	6	2.7	.....	.....	5	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	28.83	732.3	29.36	745.7	42.6	6.0	77	sse.	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	Thomas Mackereth.
Bradford, Yorkshire	28.97	735.8	29.37	746.0	42.1	5.7	77	e.	.....	.....	2	.....	8	.....	.....	0.03	0.8	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.07	763.8	30.10	764.5	81	27.2	63	e.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	43 2	6.2	85	ne.	.....	.....	1.0	.....	8	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E.	29.18	741.2	29.35	745.5	40.1	4.5	92	nw.	.....	.....	1	.....	10	.....	.....	blank	blank	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.17	740.9	29.36	745.7	46.7	8 2	57	ssw.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	The Staff.
Fort Napier, Natal	27 59	700.8	29 90	759.4	75.5	24.2	70	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.21	741 9	29.25	742.9	44	6.7	84	s.	.....	.....	3	.....	7	.....	.....	0.29	7.4	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	30.03†	762.7†	30.13†	765.3†	56.4	13.6	92	w.	.....	.....	5	.....	10	.....	.....	.....	.....	raining	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.18	741.2	29.36	745.7	42.9	6.1	80	n.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.15	740.4	29.45	748.0	46.0	7.8	73	nw.	.....	.....	1	.....	10	.....	.....	blank	blank	overcast	A. Collenette, F.R.M.S
Kew, Observatory	29.34	745 2	29.38	746.2	43.2	6.2	71	n.	9	4.0	.....	.....	10	.....	.....	.....	.....	overcast	The Staff.
Leicester, Museum	29.12	739.6	29.38	746.2	44.0	6.7	72	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	30.00	762.0	30.08	764.0	59.4	15.2	68	ne.	.....	.....	2	.....	10	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.17	766.3	30.22	767.6	75.5	24.2	71	ne.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.15	740.4	29.38	746.2	44.1	6.7	80	ne.	.....	.....	2	.....	9	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.20	744.2	29.38	746 2	45.8	7.7	75	sw.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.27	743.4	29.37	746.0	37.2	2.9	88	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.99	761.7	30.06	763 5	49.6	9.8	61	nne.	.....	.....	2	.....	9	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.10	739.1	29.38	746.2	45.9	7.7	71	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	29.35	745.5	29.38	746.2	43.0	6.1	76	ne.	.....	.....	2	.....	0	.....	.....	0	0	blue sky	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.40	746.7	42.5	5.8	79	e.	2	0.9	.....	.....	6	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	44.1	6.7	84	e.	.....	.....	0.5	.....	10	.....	.....	.....	.....	d. clouds	Rev. G. H. Griffiths, F.M.S
Valencia, Observatory	29.10	739.1	29 12	739.6	44.3	6.8	82	se.	29	13.0	.....	.....	7	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.70	754.4	30.10	764.5	58.6	14.8	60	e.	11.8	5.3	.....	3 c	5 k	w.	e.	0	0	cloudy	Rev Jos. Micali, S.J.
Hong Kong Obs'y, China	30.03	762 7	30.15	765.8	64.5	18.1	87	ne.	7	3.1	.....	.....	10 k	.....	wnw.	0.064	1.6	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	.....	.....	.....	.....	12.0	—11.1	.....	nw.	4	1.8	.....	0	2 n	.....	.....	0	0	blue sky	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.22	767.6	30.27	768.8	14	—10.0	69	W.	14	6.3	.....	0	0	.....	.....	0.500	12.7	clear	H. J. Cundall, C. E.
Chatham, N. B*	30.26	768.6	30.33	770.4	7	—13.9	91	W.	3	1.3	.....	0	0	.....	.....	0.36	9.1	clear	G. A. Blair.
Cornwall, Ontario	29.94	760.5	30.14	765.5	16.2	— 8.8	95	s.	.....	.....	1	.....	10 n	.....	.....	inap.	inap.	snowing	Jas. Smith, M. A.
Dalhousie, N. B	30.24	768 1	30.30	769.6	10.5	—11.9	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	30.30	769.6	30.32	770.1	5	—15.0	91	W.	3	1.3	.....	0	0	.....	.....	0.20	5.1	clear	J. McWilliams
Fort Garry, Manitoba*	28.58	725.9	29.45	748.0	21	— 6.1	96	ne.	8	3.6	.....	.....	10 n	.....	e.	0.30	7.6	light snow	James Stewart.
Fredericton, N. B	30.33	770 4	30.41	772.4	12.6	—10.8	71	nw.	6	2.7	.....	0	0	.....	.....	0.200	5.1	blue sky	Dr. Thos. Harrison.
Grand Manan, N. B	30.34	770 6	30.39	771.9	21	— 6.1	96	n.	19	8.5	.....	0	8 s	.....	.....	0.10	2.5	cloudy	J. Chipman Seeley
Granton, Ontario	28.67	728.2	29.80	756.9	34.0	1.1	100	se.	5	2.2	.....	.....	10 n	.....	.....	0.300	7.6	raining	Jas. Grant.
Halifax, N. S*	30.19	766.8	30.33	770 4	19	— 7.2	87	W.	7	3.1	.....	0	0	.....	.....	0.310	7.9	clear	A. Allison.
Hamilton, Ontario	29.47	748.5	29.89	759.2	32.9	0.5	92	ne.	.....	.....	2	10 cs	0	ne.	.....	0.520	13.2	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.76	755.9	30.11	764 8	23	— 5.0	91	ne.	5	2.2	.....	.....	10 s	.....	e.	inap.	inap.	cloudy	A. P. Knight, M. A.
Little Glace Bay, N. S	30.03	762.7	30.08	764.0	17.0	— 8.3	80	nw	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	C. H. Rigby.
London, Ontario	28.90	734.0	29.83	757.7	34.8	1.6	90	s.	.....	.....	2	.....	10 n	.....	.....	0.610	15.5	raining	E. B. Reed.
Medicine Hat, N. W. T	27.48	698 0	30.14	765.5	—20	—28.9	53	sw.	8	3.6	.....	0	0	.....	.....	0.11	2.8	clear	John Ewart.
Minnedosa, N. W. T	27.48	698.0	29.54	750.3	9	—12.8	100	n.	6	2 7	.....	.....	10 n	.....	n.	0.28	7.1	light snow	Rev. J. M. Wellwood.
Montreal, Quebec*	30.06	763.5	30.29	769.4	18	— 7.8	80	se.	16	7.2	.....	.....	10 n	.....	.....	0	0	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.96	761.0	30.19	766.8	17.1	— 8.3	68	ssw.	.....	.....	.....	.....	10 s	.....	.....	.....	.....	snowing	A. McCill, M. A.
Parry Sound, Ontario*	29.15	740.4	29.89	759.2	24	— 4.4	88	se.	27	12.1	.....	.....	10 n	.....	se.	0.10	2.5	heavy snow	Rev. R. Mosley.
Peterboro, Ontario	29.27	743.4	30.06	763.5	23.3	— 4.8	92	ne.	.....	.....	2	.....	10 k	.....	.....	0.11	2.8	overcast	Wm. O'Connor, M.A.
Port Arthur	28.64	727.4	30.37	771.4	23	— 5.0	100	e.	14	6.3	.....	.....	10 n	.....	.....	0.32	8.1	light snow	W. P. Cooke.
Port Dover, Ontario	29.17	740.9	29.89	759.2	33	0.6	100	calm	0	0	.....	.....	10 n	.....	.....	0.04	1.0	light rain	H. Morgan.
Port Stanley, Ontario	29.17	740.9	29.84	757.2	34	1.1	79	e.	16	7.2	.....	.....	10 n	.....	e.	0.26	6.6	heavy rain	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.10	2.5	.....	Leslie Gordon.
Quebec, Quebec*	29.98	761.5	30.37	771.4	9	—12.8	83	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	Capt. Asne, R. N.
Rockliffe, Ontario	29.56	750.8	30.00	763.5	20	— 6.7	87	e.	20	8.9	.....	.....	10 n	.....	.....	0.39	9.9	heavy snow	W. H. McIntyre.
St. Andrews, N. B	30.30	769.6	30.36	771.1	19	— 7.2	78	n.	3	1.3	.....	2 k	2 k	nw.	.....	0.10	2.5	fair	
St. John, N. B	30.22	767.6	30.38	771 6	17.8	— 7.9	87	nw.	4	1.8	.....	0	0	.....	.....	0.255	9.0	blue sky	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.57	751.0	19.4	— 7.0	.....	n.	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sarnia, Ontario	29.04	737.6	29.77	756.1	33	0.6	92	se.	19	8.5	.....	.....	10 s	.....	.....	0.07	1.8	light rain	
Stratford, Ontario	28.51	724.1	29.83	757.7	33.0	0.6	94	se.	8	3.6	.....	.....	10 s	.....	.....	.....	.....	raining	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
CANADIAN.—Continued.																			
Sydney, C. B.*	29.97	761.2	30.04	763.0	16	— 8.9	67	nw.	18	8.0		0	0			0.18	4.6	clear	T. C. Hill, C.E.
Toronto, Ontario*	29.55	750.6	29.95	760.7	31	— 0.6	92	e.	17	7.6			10 n			0.01	0.3	sleeting	Magnetic Observatory.
Woodstock, Ontario	28.78	731.0	29.89	759.2	31.3	— 0.4	82	e.	7	3.1			10 n					raining	Prof. N Wolverton, M.A.
Yarmouth, N.S.*	30.33	770.4	30.40	772.1	24	— 4.4	76	n.	7	3.1		8 ck	0	w.		0.03	0.8	fair	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.95	760.7	29.98	761.5	70.0	21.1	87	sw.				0	0			0	0	clear	I. Garfelt.
Cape Town, The Castle	29.88	758.9			73.5	23.1	46	sse.				3 ck	0			0	0		Capt. R. Gardner Warton
Springbok Fontein	27.88	708.1			77	25.0	62									0	0		J. P. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.60	751.9	29.71	754.6	59.0	15.0	93	e.			1		1 n		sw.	0	0		Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					59.0	15.0	83	se.			3	0				0	0	clear	Leon Herrera.
Valparaiso	29.90	759.4	30.04	763.0	61.9	16.6	86	s.			1		0					clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.36	771.1	30.38	771.7	39.7	4.3	48	nnw.	15.2	6.8						0	0	clear	M. Marc Dechevrens, S. J.
DANISH.																			
Copenhagen	29.66	753 4	29.71	754.6	34.2	1.2	96	se.	29	13			10					raining	Oversergent Fischer.
Fanöe	29.46	748 2	29.48	748.7	36.5	2.5	93	ene.			4		10					raining	Overloerer Laurdsen.
Godthaab, Greenland	29.45	748.1	29.50	749.2	15.3	— 9.3	100	s.			2		10						S. Kleinschmidt.
Ivigtut, Greenland	29.54	750.2	29.56	750.7	13.8	—10.1		calm			0		10						
Stykkisholm, Iceland	29.17	740.9	29.21	742.0	37.0	2.8	77	e.			4		8						A. O. Thoriacius.
Thorshavn	29.32	744.8	29.35	745.4	36.0	2.2	94	se.	16	7			8						Overloerer Bergh.
Upernavik, Greenland	29.72	754.9	29.77	756.1	—11.7	—24.3		e.			2		2						
Vestervig	29.46	748.2	29.55	750.5	34.3	1.3	96	e.			4		10						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.89	759.3			67.1	19.5		nw.	2.7	1.2			8 k			0	0		Albert Ismatun, Dir.
FRENCH.																			
Agen, Normal School	28 92	734.5	29.56	750.8	56.8	13.8	69	sse.			2		9 n	w.	w.	0	0		M. Labroue, Director.
Alençon, Normal School	28.94	735.0	29.49	749 0	47.8	8.8	89	sw.			1		5 kn		ne.	0.47	12.	cloudy	M. Nicot, Director.
Arras, Normal School	29.16	740 7	29.40	746.7	54.7	12.6	61	sw.			6		5	sw.	sw.	0.508	12.9	cloudy	M. Ungerer, Director.
Avignon, Normal School	29.80	756.8	29.87	758.8	59.7	15.4	64	se.			6		5		se.	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	28 99	736.3	29.53	750.0	60.8	16.0	61	s.			1		8			0.220	5.6	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.19	741.3	29.45	748.0	51.6	10.9	73	wsw.			2		10		wsw.	0.437	11.1	covered	M. Frère Eugène Marie.
Besançon, Normal School	28.71	729 2	29.59	751.5	35.2	1.8	41	s.			6		kn		ne.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.16	740.6	29.41	747.1	62.4	16.9	58	se.			4		8			0.008	0.2	very cloudy	M. Rayet, Director.
Bourges, Normal School	28.97	735.8	29.51	749.6	61.5	16.4	19	s.			1		5		s.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.26	743.1	29.50	749 3	48.2	9.0	83	nnw.			1		8		nnw.	0.276	7.0		M. de Kermaréc, Dir.
Caen, Normal School	29.32	744.8	29.40	746.7	47.5	8.6	94	w.			1		10		w.	0.71	18.	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.18	741.1	29.50	749.2	56.8	13 8	74	sw.			1		8		sw.	0.630	16.0	very cloudy	M. Jadot, Director.
Charleville, Normal School	28.95	735 3	29.44	747.8	57.2	14.	74	sw.			4		10		ssw.	0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.22	716 7	29.54	750 2	61.5	16.4	37	s.			8		10			0	0		M. Alluard, Director.
Cluny, Normal School	28.80	731.6	29.70	754.4	55.8	13.2	66	s.			6		10		n.	0	0		M. de Villemontée, Dir.
Commercy, Normal School	28.73	729.7	29.58	751.4	56.5	13.6	69	sw.			6		8 n	sw.	sw.	0.177	4.5	very cloudy	Dr. Coulet, Director.
Gap, Normal School	27 40	696.0	29.92	760.0	45.3	7.4	94	calm			0		8			0.08	2	raining	M. Jarach, Director.
Grénasque, du Rhone	28 82	732.0	29.95	760 7	53.1	11.7	83	se			6		10		se.	0	0		M. Kina, Director.
Grenoble, Normal School	29.02	737.0	29.77	756.2	60.8	16	50	sw.			8		kn			0	0		M. Ablard, Director.
Guéret, Normal School	27.97	710.5	29.51	749.6	55.4	13	55	sw.			1	ck			sw.	0.16	4.		M. Delorme, Dir.
Lambal e Normal School	29.17	741.0	29.45	748.0	47.5	8.6	83	nw.			1		n		nw.	0	0		M. Polipre, Dir.
Lescar, Normal School	28.91	734 4	29.45	748.1	65.8	18.8	31	se.			1	ck				0.047	1.2		M. Chauvin, Director.
Lorient, Naval Observatory	29.37	745 9	29.47	748.5	48.9	9.4	73	sse.			1		10		s.	0.024	0.6	covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28.60	726 4	29.63	752 7	57.4	14.1	58	s.			10	c	8 n		s.	0	0	very cloudy	M. André, Director.
Mans, Normal School	29.20	741.7	29.51	749.5	47.3	8.5	86	nw.			4		8		w.	0.366	9.3	raining	M. Richard, Director
Marseille, Observatory	29.65	753 2	29.92	760.0	57.4	14.1	76	se.			4–6		10		s.	map.	map.		M. Stephan, Director.
Montlouis	24.50	622.4	29.35	745.4	42.4	5.8	58	sw.	31.8	14.2			7		w.	0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.64	752.9	29.75	755 7	58.6	14.8	89	sse.			8		10					raining	M. Galzin, Director.
Nancy, Normal School	28.80	731.5	29.57	751.0	59.7	15.4	64	s.			4		kn			0	0		M. Hasse, Director.
Nantes, Observatory	29.34	745.1	29.50	749.2	45.5	7.5	85	wnw.			1		10			0.390	9.9	rainy	M. Larocque, Director.
Perpignan, Observatory	29.50	750.7	29.67	753 5	64.0	17.8	40	sw.	39.1	17.5			10		ssw.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20 85	529.6			26.7	— 3.3		wsw.			6–8		10		sw	0	0	covered	M. Vaussenat, Director.
Privas, Normal School	28.76	730.6	29.83	757.6	53.6	12	72	se.			6		8		se.	0	0	very cloudy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24 74	628.5			41.5	5.3	82	s.			8		8			0	0		M. Alluard.
Rochefort, Naval Obs'y	29.48	748.7	29.51	749.5	51.8	11.0	86	calm			0		10			0.047	1.2	covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.19	741.4	29.41	746.9	47.5	8.6	86	w.			1		10			0.20	5.	raining	M. Brotlier, Director.
Rodez, Normal School	27 52	698.9	29.64	752.8	55.0	12.8	74	e.			6		10 n		w.	0	0	covered	M. Seger, Director.
Rouen, Normal School	29.42	747.2	29.47	748.4	47.1	8.4	92	w.			1		5		w.	0.43	11.	cloudy	M. Moullot, Dir.
Saint Maur, Observatory	29.31	744.5	29.48	748.7	54.3	12.4	69	ssw.			4		10		sw.	0.220	5.6	covered	M. Renou, Director.
Toulouse, Observatory	28.86	733 1	29.58	751.2	58.6	14.8	63	sse.			4		10	w.		0	0	covered	M. Bailland, Director.
Tours	29.30	744.3	29.48	748.8	51.8	11.0	86	ssw.			1		10			0.323	8.2	raining	M. de Tastes.
Versailles, Observatory	28.90	734.0	29.39	746.5	51.4	10.8	73	w.			1					0.417	10.6		Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.31	744.4	29.46	748.2	67.3	19.6	45	s.	23.7	10.6		c	8 k		sw.	0	0	misty	M. Cartier, Director.
GERMAN.																			
Ansbach	28.27	718.1	29.71	754.7	52.2	11.2	45	sw.			4		7	sw.		0	0		Prof. Jnedt.
Bamberg	28 85	732.9	29.69	754.0	55.0	12.8	40	w.			1		6 ks		w.	0	0		Prof. Dr. Hoh.
Berlin	29.55	750.6	29.69	754.2	52.7	11.5	70	se.			1		10			0	0		Meteorological Institute
Breslau	29.32	744.7	29.85	758.1	50.2	10.1	61	se.			3		3	wnw.		0	0		Royal University Obs'y
Carlsruhe	29.20	741.7	29.65	753.1	56.5	13.6	73	sw.			1		10	sw.		0.035	0.9	raining	Albert Senz.
Cassel	28.88	733.5	29.59	751.6	52.2	11.2	75	s.			3		9	s.		0.031	0.8		Dr. H. Möhl.
Frankfort-on-the-Main	29.26	743.3	29.63	752.5	54.1	12.3	60				1		10			0.063	1.6		Physical Society.
Friedrichshafen	28.31	719.1	29.71	754.7	54.3	12.4	55	sw.			3		8	w.		0	0		Wilhelm, Chief Tel.
Hamburg	29.43	747.5	29.52	749.8	45.5	7.5	96	se.			5		10			0.193	4.9	raining	E. Prelter.
Kiel	29.49	749.1	29.51	749.5	43.5	6.4	92	sse.			1		10			0.331	8.4		Prof. Dr. G. Karsten.
Leipsic, Astrom'l Obs'y	29.28	743 6	29.69	754.1	50.5	13.6	69	s.			2		10	sw.		0	0		H. Leppig, Asst.
Magdeburg	29.44	747 8	29.63	752 6	50.5	10.3	82	se.			2		9			0.083	2.1		Weather Observatory.
Memel	30.13	765.4	30.18	766.6	32.5	0.3	72	se.			4		9 8						Isserimann.
Munich	27 92	709.1	29.76	756.0	38.8	14.9	40	calm			0		7	w.		0	0		Central Station.
Neufahrwasser	29.98	761.5	30.00	761.9	39.4	4.1	62	s.			3		7			0	0		A. Lothes.
Neustadt, Palatinate	29.09	738.8	29.61	752 0	55.0	12.8	69	s.			2		10			0	0		Prof. Dicknether.
Stuttgart	28.72	729 5	29.59	751.6	61.2	16.2	40	sw.			1		10			0	0		Prof. Dr. Schoder.
Wustrow	29.60	751.9	29.63	752 5	39.4	4.1	92	se.			2		10			0.031	0.8		Profs. Brandes & Reimer
GREEK.																			
Athens	29.70	754.3	30.08	764.1	60.1	15.6		ne.			1.0	5	0			map.	map.		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.94	760.5	29.99	761.8	84.5	29.2	39	ssw.	20.0	8.9			3			0	0	d. clouds	
Deesa	29.47	748.4	29.93	760.3	92.0	33.3	17	wnw.	8.0	3.6			5	w.		0	0	d. clouds	
Bombay	29.89	759.1	29.92	760.0	84.7	29.3	59	nw.	7.0	3.1			0			0	0	blue sky	
Poona, Yarrowda	28.06	712 7	29.86	758.5	94.3	34.6	8	e.	10.0	4.5			0			0	0	blue sky	
Belgaum	27 38	695.6	29.86	758 5	89.6	32.0	10	ese.	3.0	1.3			1	s.		0	0	d. clouds	
Lahore	29.31	744.5	30.07	763.8	73.8	23.2	47	nw.	2.0	0.9			4			0	0	d. clouds	
Roorkee	29.08	738 7	29.99	761.8	77.2	25.1	31	w.	4.0	1.8			4	w.		0	0	d. clouds	
Agra	29.46	748 2	30.02	762 5	85.2	29.6	30	w.	6.0	2.7			5		w.	0	0	d. clouds	
Nagpur	28.88	733 7	29.90	759.6	93.4	34.1	22	calm	0	0			3	w.		0	0	d. clouds	

STATIONS.	Barometer: Corrected for instrumental error and for temperature. Inch.	Barometer: Corrected for instrumental error and for temperature. Mill.	Barometer: Reduced to sea-level. Inch.	Barometer: Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28 61	726.7	29.95	760.8	88.4	31.3	32	calm	0	0	.....	.....	4	W.	.....	0	0	d. clouds	
Lucknow	29.61	752.1	29.99	761.7	83.2	28.4	29	wnw.	4.0	1.8	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.63	752 6	29.94	760.5	87.7	30.9	32	nw.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.67	753.6	29.86	758.3	87.6	30.9	27	nw.	7.1	3.2	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.91	708.9	29.91	759.6	82.5	28.1	25	wnw.	12.0	5.4	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.82	757.3	29.90	759.3	92.3	33.5	33	sw.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29 87	758.7	29.89	759.2	88.7	31.5	36	sw.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Dhubri	29.71	754.6	29.82	757.5	83.8	28.8	32	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Chittagong	29.83	757.7	29.92	760.0	80.7	27.1	58	calm	3.6	1.6	.....	.....	0	.....	.....	0	0	misty	
Sibsagar	29.56	750.7	29.90	759.4	72.9	22.7	82	ne.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Jeypore	28.56	725.5	30.00	762.0	84.2	29.0	29	n.	9.8	4.4	.....	.....	6	W.	.....	0	0	d. clouds	
Zanzibar	29.84	757.8	29.86	758 4	86.0	30.0	58	ene.	7.0	3.1	.....	.....	2	ne.	.....	0	0	d. clouds	
Bellary	28.44	722.4	.....	.....	91.0	32.8	16	e.	4	1.8	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.69	754.1	.....	.....	90.1	32.3	40	e.	0.4	0.2	.....	3	4	.....	.....	0	0	d. clouds	
ITALIAN.																			
Udine	29.62	752.4	30.04	762 9	49.3	9.6	79	e	0.7	0.3	.....	.....	10	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.52	749.9	30.04	763.1	46.4	8.0	90	n.	3.1	1.4	.....	.....	10	.....	.....	0.008	0.2	.....	Prof. G.V.Schiapparelli
Padua	29.91	759.8	30.02	762 6	53.4	11.9	53	nne.	1.8	0.8	.....	.....	10	.....	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.11	739.3	30.02	762 4	48.9	9.4	79	nnw.	3.8	1.7	.....	.....	10	.....	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.84	757.9	30.03	762.8	54.9	12.7	80	s.	8.1	3.6	.....	.....	10	s.	.....	0.283	7.2	.....	Prof. G. M. Garibaldi.
Pesaro	29.98	761.5	30.03	762.7	60.1	15.8	67	sw.	9.8	4.4	.....	.....	0	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	29.80	756 9	30.06	763.4	56.1	13.4	61	s.	.....	.....	2	.....	3	sw.	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	29.93	760 1	30.01	762.3	57.9	14.4	74	wsw.	2.5	1.1	.....	.....	4	sw.	.....	0	0	.....	Prof. P. Monte.
Rome	29.93	760.1	30.10	764.5	59.4	15.2	53	w.	1.3	0.6	.....	.....	5	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	29.82	757 4	30.08	763.9	61.5	16.4	51	ne.	5.6	2.5	.....	.....	2	ne.	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	29.19	741.5	30.10	764.4	57.9	14.4	78	ssw.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. D. Conti.
Palermo	29.86	758.5	30.11	764.9	57.6	14.2	50	ne.	6.9	3.1	.....	.....	0	.....	.....	0	0	.....	Prof. G. Caccialore
Syracuse	30.02	762.5	30.07	763.7	61.2	16.2	68	e.	3.1	1.4	.....	.....	7	se.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.60	751.8	.....	.....	55.2	12.9	68	sw.	1.3	0.6	.....	.....	9	sw.	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.15	765.9	30.18	766.6	30.7	— 0.7	77	se.	.....	.....	2	4c;cs	0	W.	.....	0.126	3.2	fair	H. Hattori.
Awomori	30.18	766.6	30.22	767.6	22.4	— 5.3	72	e.	4.0	1.8	.....	5 cs	2 s	.....	.....	0.082	2.1	fair	K. Ogawa.
Hakodate	30.25	768.3	30.26	768.6	24.6	— 4.1	62	ene.	9.0	4.0	.....	.....	10ck;s	.....	.....	0.012	0.3	overcast	Y. Souma.
Hamamatsu	30.19	766.8	30.29	769.3	42.0	5.6	68	calm	.....	.....	0	.....	10 s	.....	.....	0.815	20.7	overcast	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.95	760.7	29.96	761.0	44.6	7.0	94	n.	1.1	0.4	.....	.....	10 n	.....	s.	0.394	10.0	raining	Y. Okamoto.
Kagoshima	29.93	760.2	30.04	763.0	43.0	6.1	67	ne.	2.0	0.9	.....	1 ck	9s;ks	.....	sw.	0.440	11.2	cloudy	S. Endo.
Kanazawa	30.06	763.6	30.08	763.9	53.7	12.1	92	sw.	.....	.....	2	.....	10 n	.....	sw.	0.583	14.8	light rain	
Kioto	29.93	760.2	30.04	763.0	43.0	6.1	67	ne.	2.0	0.9	.....	1 ck	9s;ks	.....	sw.	0.440	11.2	cloudy	S. Endo.
Kochi	29.96	761.0	30.14	765.5	45.1	7.3	71	sw.	2.7	1.2	.....	.....	10 n	.....	sw.	1.465	37.2	light rain	M. Tojima.
Miasaka	30.09	764.3	30.11	764.8	47.0	8.3	94	w.	3.7	1.6	.....	.....	10 s	.....	.....	1.070	27.2	overcast	K. Kusunose.
Miyako	30.04	763.0	30.07	763.7	52.6	11.4	84	sw.	.....	.....	2	.....	10 n	.....	sw.	0.303	7.7	raining	K. Masusaki &T. Ishitaln.
Nagasaki, I. M. Obs'y	30.22	767.5	30.33	770.3	24.8	— 4.0	79	wsw.	1.8	0.8	.....	1 c	0	nw.	.....	0.169	4.3	clear	N. Honno & K. Suwa.
Nemuro	29.81	757.2	30.02	762.5	50.0	10.0	92	w.	7.8	3.5	.....	.....	10 u	.....	w.	1.670	42.4	raining	
Niigata	30.27	768.8	30.32	770.1	20.5	— 6.4	48	calm	0	0	.....	4 ck	0	W.	.....	0	0	fair	A Shibuya.
Nobiru	30.10	764.5	30.14	765.5	39.0	3.9	69	se.	1.3	0.5	.....	5 cs	5 ks	W.	.....	0	0	cloudy	Satoo & Tomikawa.
Numadzu	30.29	769.3	30.30	769.7	30.7	2.6	74	s.	17.5	7.8	.....	7ck;cs	0	s.	.....	0.140	3.6	fair	Yoshino & Midzushina.
Osaka	30.27	768.8	30.31	769.8	44.9	7.2	68	sw.	.....	.....	2	10c;cs	0	W.	.....	0.587	14.9	cloudy	T. Ohgi.
Sakai	30.11	764.8	30.13	765.2	43.9	6.6	78	ene.	9.1	4.0	.....	.....	10 s;n	.....	s.	1.100	27.9	cloudy	d. Omura.
Sapporo	29.88	758.9	29.89	759.1	49.7	9.8	62	s.	.....	.....	4	.....	10 ks	.....	W.	0.110	2.8	cloudy	Yamawchi & Sakamoto.
Shimonoseki	30.20	767.2	30.27	768.9	17.0	— 8.3	77	s.	1.8	0.8	.....	.....	10 s	.....	.....	0.428	10.9	covered	S. Kimura.
Tokei Obs'y, Yeddo	29.83	757 7	29.98	761.4	47.5	8.6	95	wsw.	.....	.....	4	.....	10 n	.....	.....	0.287	7.3	raining	S. Sakano.
Wakayama	30.21	767.4	30.29	769.4	44.9	7.2	65	sw.	11.2	5.0	.....	10c;cs	0	W.	.....	0.347	8.8	cloudy	The Staff.
MAURITIUS.	30.05	763.3	30.10	764.6	49.1	9.5	79	se.	5.0	2.2	.....	.....	10n;ck	.....	s.	1.302	33.6	light rain	K. Sakai.
Mauritius R. A. Observatory	29.79	756.7	29.98	761.5	75.2	24.0	90	w.	8.0	3.6	.....	.....	10n;ks	.....	.....	0.16	4.1	rainy	The Staff.
MEXICAN.																			
Leon	24.33	618.0	30.08	764.0	51.4	10.8	64	nnw.	0.9	0.4	.....	0	0	.....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.70	754.4	29.96	761.0	66.0	18.9	100	ene.	0.9	0.4	.....	0	0	.....	.....	0	0	misty	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.25	742.9	29.24	742.9	53.8	12.1	.....	sw.	.....	.....	7	.....	.....	.....	.....	0.417	10.6	.....	
Groningen	29.25	742 9	29.30	744.3	47.8	8.8	.....	s.	.....	.....	2	.....	.....	.....	.....	0.429	10.9	.....	
Helder	29.22	742.1	29.22	742.1	49.6	9.8	.....	s.	.....	.....	5	.....	.....	.....	.....	0.354	9.0	.....	
Hellevoetsluis	29.23	742.4	29.23	742.4	53.6	12.0	75	sw.	.....	.....	5	.....	.....	.....	.....	0.193	4.9	.....	
Utrecht	29.24	742.8	29.29	744.0	55.6	13.1	66	ssw.	.....	.....	4	.....	8	.....	.....	0.256	6.5	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.96	760.9	.....	.....	76.5	24.7	86	wnw.	0	0	.....	.....	10	.....	.....	0.071	1.8	.....	Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.54	750.4	29.61	752.0	39.9	4.4	50	sse.	4	2	.....	.....	6	.....	.....	0.055	1.4	.....	
Brono	29.85	758.3	29.89	759.3	29.7	— 1.3	48	sse.	.....	.....	6	.....	3	.....	.....	0	0	.....	
Christiania	29.76	756 0	29.92	759.9	30.2	— 1.0	88	ene.	13	6	.....	.....	10	.....	.....	0.039	1.0	snowing	
Gjæsvær	29.94	760 5	29.97	761.1	31.6	— 0.2	.....	sse.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Lodingen	29.93	760.2	29.98	761.4	32.2	0.1	42	sse.	.....	.....	7	.....	0	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.81	757.1	29.90	759.4	64.8	18.2	35	w.	13.6	6.1	.....	.....	0	.....	.....	0.370	9.4	.....	The Staff.
Ponta Delgada, Azores	29.17	740 8	29.50	749 3	53.4	11.9	93	ssw.	15.4	6.9	.....	.....	10	.....	.....	2.063	52.4	raining	
Saint Paul de Loando	29.93	760.1	30.00	761.9	57.6	14.2	57	nw	10.5	4.7	.....	.....	4	.....	.....	0.201	5.1	.....	
St. Vincent, Cape Verd Ids.	30.01	762.3	30.05	763.2	66.9	19.4	60	ne.	.....	.....	5	.....	2	.....	.....	0	0	.....	
San Salvador, Congo	28.00	711.1	29.80	757.0	82.9	28.3	63	calm	.....	.....	0	.....	6	.....	.....	0	0	.....	
Serra da Estrella	24.73	628.2	29.53	750.1	32.5	0.3	100	w.	19.9	8.9	.....	.....	10	.....	.....	6.063	154.0	snow & fog	
RUSSIAN.																			
Akmolinski	29.04	737.7	30.27	768.8	— 6.0	—21.1	86	ene.	9	4	.....	3 cs	0	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	30.21	767.2	30.22	767.7	25.5	— 3.6	78	wnw.	13	6	.....	.....	10	.....	.....	0	0	light clouds	Capt. Sselliwerstow
Asharadn	30.06	763.4	29.96	761.0	53.4	11.9	75	nnw.	11	5	.....	0	3 k	.....	.....	0	0	.....	
Astrakhan	30.14	765 6	30.06	763 6	40.6	4.8	32	e.	7	3	.....	0	3 s	.....	.....	.....	.....	light clouds	Capt. Wisganow.
Baku	30.04	763.1	30.00	761.9	47.5	8.6	73	s.	9	4	.....	0	7 ks	.....	.....	0	0	.....	
Barnaul	29.82	757.4	30.39	771.8	— 1.5	—18.6	64	wnw.	4	2	.....	.....	2	.....	.....	0	0	light clouds	Meteorological Office.
Bielosersk	29.89	759 3	30.40	772 2	18.7	— 7.4	39	calm	0	0	.....	0	0	.....	.....	0	0	solar halo	
Derpat	29.89	759.3	30.40	772.1	15.4	— 9 2	75	e.	9	4	.....	3	0	.....	.....	0	0	.....	Observatory.
Ekaterinburg	30.13	765.3	30.40	772.1	15.4	— 9 2	75	e.	9	4	.....	.....	.....	.....	.....	0	0	.....	Observatory.
Elisawetgrad	29.05	737 8	30.10	764 4	10.9	—11.7	48	sw.	18	8	.....	.....	10	.....	.....	0	0	solar halo	Meteorological Obs'y.
Kasan	29.65	753.0	30.12	765.1	28.4	— 2.0	75	nw.	7	3	.....	.....	10 s;n	.....	.....	0	0	.....	
Kem	30.00	761.9	30.30	769.5	3.7	—15.7	67	sse.	4	2	.....	0	1	.....	.....	0	0	.....	Observatory.
Kerten	30.34	770.7	30.39	772.0	20.8	— 6.2	84	w.	13	6	.....	0	3 ks	.....	.....	0	0	.....	
Kieff	29.98	761.4	30.00	762 0	34.0	1.1	92	n.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Sastyrea.
Koslov	29.44	747.8	30.13	765 2	19.4	— 7.0	78	n.	9	4	.....	0	8ks;n	.....	.....	0	0	.....	Observatory.
Lgov	29.04	752.9	30.19	766 9	11.3	—11.5	78	ene.	11	5	.....	.....	10 s	.....	.....	0.055	1.4	snowing	
Libau	29.54	750.4	30.18	766.5	17.1	— 8.3	82	ene.	13	6	.....	.....	10	.....	.....	0.020	0.5	light snow	R. I. Ssaweljew, Engineer.
Lugan	30.14	765 5	30.16	766.1	32.2	0.1	64	se.	16	7	.....	.....	4	.....	.....	0	0	.....	L. Quane
Moscow	29.78	756 5	30.00	762.0	26.1	— 3.3	76	e.	4	2	.....	.....	10	.....	.....	inap.	inap.	.....	Meteorological Obs'y.
Nertschinsk	29.84	757.9	30.37	771.3	16.5	— 8.6	67	calm	0	0	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nikolaiev	27.94	709.6	30.48	774.1	3.9	—15 6	57	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
	30.00	762.1	30.08	763.9	39.0	3.9	61	n.	9	4	.....	0	6 kn	.....	.....	0	0	.....	Capt. Kurdakow.

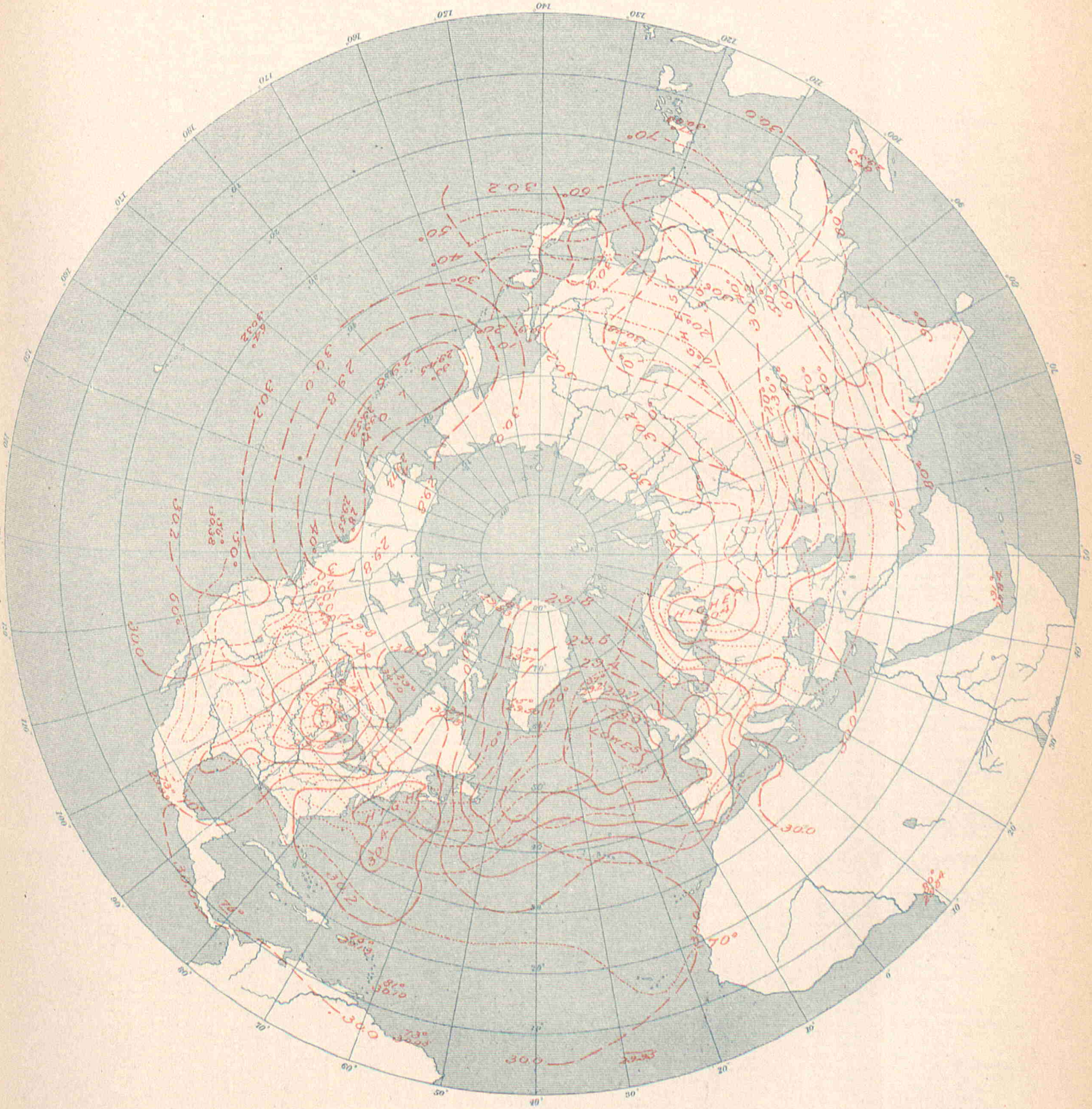
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.10	764.5	30.19	766.7	1.0	—17.2	73	nw.	2	1	.....	8 ck	0	.....	.....	.....	.....	.....	Twanow.
Pekin, China	30.35	770.9	30.49	774.5	33.3	0.7	34	calm	0	0	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.67	753.5	30.02	762.5	51.1	10.6	49	nne.	4.5	2.0	.....	.....	7 ks	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.18	766.6	30.39	772 0	19.4	— 7.0	51	nne.	7	3	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.65	753.1	30.17	766 4	28.8	— 1.8	68	e.	13	6	.....	0	6 s	.....	.....	blank	blank	.....	
Poti	29.82	757.5	29.85	758.3	50.4	10.2	98	nw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Central Physical Obs'y.
St. Petersburg	30.45	773.4	30.47	774.0	14.5	— 9.7	58	n.	2	1	.....	0	0	.....	.....	0	0	.....	
Samarkand	27.45	697 1	29.92	759.9	51.1	10.6	94	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.66	753.3	30.39	771.9	5.5	—14.7	73	calm	0	0	.....	.....	10	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.80	756.9	30.02	762.4	46.2	7.9	59	nnw.	16	7	.....	0	1 s	.....	.....	0	0	.....	
Staroi Bykhov	29.66	753.3	30.26	768.5	18.5	— 7.5	64	ne.	11	5	.....	0	1 k	.....	.....	0.020	0.5	light clouds	Carl Hagen.
Tashkend, Laboratory	28.26	717.8	29.93	760.1	55.0	12.8	68	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.54	725.0	29.98	761.6	45.7	7.6	72	se.	7	3	.....	.....	10 n	.....	.....	0.020	0.5	.....	Physical Observatory.
Vernoe	27.38	695.5	29.94	760.5	38.7	3.7	68	calm	0	0	.....	0	8 n	.....	.....	.....	.....	.....	Lariono.
Viatka	29.46	748.2	30.15	765.8	8.2	—13.2	62	w.	9	4	.....	.....	10	.....	.....	0.012	0.3	.....	
Vladivostock	29.87	758.8	29.94	760 5	25.3	— 3 7	80	ne.	34	15	.....	.....	10 n	.....	.....	0.303	7.7	.....	
Warsaw	29.59	751 5	30.02	762.6	36.7	2.6	60	se.	18	8	.....	1 c	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.00	762.1	30.33	770 3	0.3	—17.6	67	calm	0	0	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.69	754.1	30.22	767.6	15.8	— 9.0	63	nne.	12.4	5.5	.....	1	0	.....	.....	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.72	754.9	29.83	757.7	56.8	13.8	94	sw.	.....	.....	.....	.....	10 n	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.30	744.3	29.36	745 8	68.5	20.3	47	s.	6.7	3.0	.....	.....	10	.....	.....	0.004	0.1	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.54	674.1	29.47	748.4	52.7	11.5	60	sw.	24.2	10.8	.....	.....	10	.....	.....	0.346	8.8	covered	Domingo Martin.
Madrid, Royal Obs'y	27.44	697.0	29.67	753.6	50.0	10.0	86	s.	30.4	13.6	.....	.....	10	.....	.....	0.272	6.9	covered	The Staff.
Murcia, Met. Obs'y	29.70	754.3	29.84	757.8	57.0	13.9	81	s.	4.0	1.8	.....	3	0	wnw.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.52	724.3	29.41	747.1	46.0	7.8	82	s.	1.3	0.6	.....	.....	10	.....	.....	1.106	28.1	covered	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.08	763.9	30.14	765.6	69.1	20.6	91	ese.	5.8	2.6	.....	0	k;s	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	30.02	762 4	30.08	763 9	76.8	24.9	70	ese.	8.8	3.9	.....	0	7 ks	.....	e.	0	0	cloudy	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.72	754.9	29.82	757.4	57.0	13.9	92	sse.	26.2	11.7	.....	.....	10	.....	s.	0.444	11.3	raining	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.04	762.9	30.13	765.2	75.9	24.4	71	e.	7.6	3.4	.....	2 cs	1 k	e.	e.	blank	blank	clear	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.39	771.9	30.43	772.9	13.3	—10.4	100	calm	.....	.....	0	.....	9	.....	.....	0	0	.....	
Umea	30.30	769 7	30.35	771 0	19.4	— 7.0	89	sw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Hernosand	30.24	768.0	30.28	769.3	25.2	— 3.8	78	e.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Stockholm	29.98	761 4	30.15	765 9	30.2	— 1.0	69	se.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Wisby	29.97	761.3	30.03	762.8	30.2	— 1.0	92	sse.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.06	763.4	30.14	765 6	29.7	— 1.3	74	ese.	13.2	5.9	.....	.....	10	.....	se.	0.004	0.1	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.28	718.4	29.68	753.9	64.6	18.1	35	s.	.....	.....	4	.....	9	.....	.....	0	0	covered	
TURKISH.																			
Constantinople	.....	.....	30.07	763.7	46.8	8.2	61	ne.	9	4.0	.....	.....	7	.....	n	0	0	.....	The Observatory.
Valona	.....	.....	30.15	765.9	63.5	17.5	.....	nw.	.....	.....	2	.....	5	.....	.....	0.20	5.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.87	758.8	61.9	16.6	73	sw.	.....	.....	2	.....	9 n	.....	sw.	1.278	32.5	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	30.28	769.1	30.37	771.4	26	— 3.3	76	ne.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	28.98	736.1	29.68	753.9	30.8	— 0.7	88	se.	23	10.3	.....	.....	10 n	.....	.....	0.31	7.9	light rain	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.93	633 2	29.95	760.7	35.2	1.8	72	ne.	12	5.4	.....	.....	10 s	.....	ne.	0.03	0.8	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	26.98	685.3	29.99	761.7	— 7.0	—21.7	31	w.	13	5.8	.....	0	0	.....	.....	0.03	0.8	clear	J.J.O'Connor.
Atlanta, Georgia	29.01	736 8	30.22	767.6	47.0	8.3	86	se.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Beall.
Atlantic City, New Jersey	30.36	771.1	30.37	771.4	35.0	1.7	69	se.	4	1.8	.....	10 k	0	se.	.....	0	0	cloudy	B.A.Blundon.
Augusta, Georgia	30.11	764.8	30.31	769.9	49.5	9.7	77	e.	4	1.8	.....	10 c	0	w.	.....	0	0	cloudy	W.J.Evans.
Baltimore, Maryland	30.31	769 9	30.36	771.1	37.5	3.1	82	se.	4	1.8	.....	.....	10 s	.....	sw.	0	0	cloudy	Geo W. Felger.
Barnegat City, New Jersey	30.37	771.4	30.39	771.9	35.0	1.7	69	sw.	12	5.4	.....	.....	9ks;s	.....	nw;sw.	0	0	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	27.97	710.4	29.67	753.6	10.4	—12.0	100	nw	38	17.0	.....	.....	10 n	.....	nw.	0.02	0.5	light snow	A. Pettenard.
Benton, Fort, Montana	26.91	683.5	29.89	759.2	29.6	— 1.3	80	sw.	16	7.2	.....	.....	10 s	.....	.....	blank	blank	cloudy	O.S.Bennett.
Bismarck, Dakota	27.69	703 3	29.61	752.1	9.5	—12.5	87	nw.	36	16.1	.....	.....	10 n	.....	nw.	0.16	4.1	heavy snow	B. O. Lenoir.
Block Island, Rhode Island	30.41	772.4	30.44	773.2	33.0	0.0	83	se.	6	2.7	.....	5 cs	0	nw.	.....	0	0	fair	J. T. Elker.
Boise City, Idaho	27.23	691.6	30.15	765.8	33.5	0.8	76	nw.	2	0.9	.....	.....	10 s	.....	w.	inap.	inap.	cloudy	James Kenealy.
Boston, Massachusetts	30.29	769.4	30.45	773.4	25.2	— 3.8	74	nw.	6	2.7	.....	.....	10s;hz	.....	nw.	inap.	inap.	cloudy	O. B. Cole.
Brownsville, Texas	29.07	753.6	29.73	755.1	70.0	21.1	94	s.	16	7.2	.....	6 cs	0	.....	.....	inap.	inap.	fair	John McGlone.
Buffalo, New York	29.12	739.6	29.91	759.7	40	4.4	58	se.	6	2.7	.....	.....	10 s	.....	s.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	27.65	702.3	29.81	757.2	0	—17.8	85	w.	31	13.9	.....	10 cs	0	w.	.....	0.02	0.5	cloudy	A. Schneider.
Cairo, Illinois	29.30	744.2	29.72	754.9	59.6	15.3	83	s.	22	9.8	.....	.....	10 s	.....	s.	0	0	cloudy	W. B. Ray.
Canby, Fort, Washington Ter	29.87	758.7	30.07	763.8	39.8	4.3	100	s.	11	4.9	.....	.....	10 n	.....	.....	0.06	1.5	light rain	J.H.Young.
Cape Henry, Virginia	30.36	771 1	30.38	771.6	38.0	3.3	61	se.	4	1.8	.....	0	7 ks	.....	w.	0	0	fair	A. K. Alderson.
Cape May, New Jersey	30.36	771.1	30.39	771.9	35.0	1.7	83	se.	8	3.6	.....	5 cs	0	.....	.....	0	0	fair	W.E.Smith.
Cape Mendocino, California	29.55	750.6	30.24	768 1	39.2	4.0	82	calm	0	0	.....	0	3 s	.....	.....	0.06	1.5	clear	A. P. Leavitt.
Cedar Keys, Florida	30.17	766 3	30.19	766.8	65.0	18.3	84	e.	11	4.9	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	30.21	767.3	30.27	768.8	51.0	10.6	80	ne.	5	2.2	.....	0	fg.	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.45	748.0	30.33	770.4	43.6	6.4	86	se.	3	1.3	.....	.....	10 s	.....	se.	0	0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.29	744.0	30.14	765.5	50.5	10.3	76	s.	12	5.4	.....	.....	10 ks	.....	s.	0	0	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.66	601 0	29.86	758.4	18.9	— 7.3	70	nw.	20	8.9	.....	0	2 s	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	28.68	728.5	29.42	747.3	46.4	8.0	81	s.	16	7.2	.....	0	0	.....	.....	0.02	0.5	clear	Wm. Norrington.
Chincoteague, Virginia	30.37	771.4	30.39	771.9	37.7	3.2	87	s.	2	0.9	.....	0	2 ks	.....	n	0	0	clear	O. F. Dickens
Cincinnati, Ohio	29.10	740.7	29.86	758.4	49.0	9.4	91	se	10	4.5	.....	.....	10 s	.....	s.	0	0	cloudy	L.Dunne.
Cleveland, Ohio	29.05	737.9	29.83	757.7	41.0	5.0	94	s.	15	6.7	.....	.....	10 n	.....	sw.	0.04	1.0	heavy rain	W.Line.
Columbus, Ohio	28.96	735 6	29.85	758.2	42.2	5.7	60	se.	11	4.9	.....	.....	10 s	.....	s.	0.06	1.5	cloudy	F.T. Williams
Concho, Fort, Texas	27.91	708 9	29.88	758.9	46.9	8.3	71	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	O. E. King.
Custer, Fort, Montana	26.57	674.9	29.90	759 4	— 6.7	—21.5	64	se.	3	1.3	.....	0	0	.....	.....	0.02	0.5	clear	W.J.Daily.
Davenport, Iowa	28.54	724.9	29.23	742 4	48.7	9.3	64	sw.	32	14.3	.....	4cs;hz	0	w.	.....	inap.	inap.	fair	R. R. Martin.
Davis, Fort, Texas	25.18	639.6	30.05	763.3	49.1	9.5	80	sw.	20	8.9	.....	.....	10 s	.....	sw.	0	0	cloudy	J. Williams.
Dayton, Washington Ter'y	28.28	718.3	30.10	764.5	32.5	0.3	76	sw.	17	7.6	.....	.....	10 s	.....	.....	0.10	2.5	cloudy	T.Gibson.
Deadwood, Dakota	24.96	634.0	29.80	756.9	16.0	— 8.9	87	s.	7	3.1	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	G.W.Scott.
Delaware Breakwater, Del	30.39	771.9	30.41	772.4	35.6	2.0	84	s.	13	5.8	.....	3 cs	0	.....	.....	0	0	clear	G.A.Martin.
Denver, Colorado	24.44	620.8	29.88	758.9	28.4	— 2.0	40	w.	17	7.6	.....	0	6 s	.....	w	0	0	fair	F. M. Neal.
Des Moines, Iowa	28.35	720.1	29.31	744.5	39	3.9	82	nw.	16	7.2	.....	.....	10 s	.....	nw.	0.02	0.5	cloudy	F. W. Conrad.
Detroit, Michigan	29.01	730.8	29.76	755.9	45.1	7.3	83	se.	16	7.2	.....	.....	10 s	.....	s.	0.26	6.6	cloudy	N.B.Conger.
Dodge City, Kansas	27.12	688.8	29.85	758 2	32	0.0	62	w.	18	8.0	.....	0	0	.....	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	28.45	722.6	29.20	741.7	43.3	6.3	63	s.	6	2.7	.....	0	2 s	.....	s.	0.18	4.6	clear	J. Harvey Smith
Duluth, Minnesota	28.47	723.1	29.26	743 2	23.5	— 4.7	73	ne.	31	13.9	.....	.....	10 n	.....	.....	0.10	2.5	light snow	E.R.Brace.
Eastport, Maine	30.33	770.4	30.40	772.1	20.5	— 6.4	70	n.	17	7.6	.....	4 c	3 s	w.	n.	0.09	2.3	fair	D. C. Murphy.
Elliott, Fort, Texas	26.99	685 5	29.82	757.4	36.5	2.5	53	n.	23	10.3	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
El Paso, Texas	26.15	664 2	29.95	760.7	47.0	8.3	32	w.	0	2.7	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.07	738.4	29.84	757.9	41.6	5.3	60	s.	28	12.5	.....	.....	10 n	.....	s.	0.01	0.3	light rain	P. Wood.
Escanaba, Michigan	28.68	728.5	29.39	746.5	29.0	— 1.7	100	e.	22	9.8	.....	.....	10 n	.....	e.	0.44	11.2	sleeting	L.M.Pindell.
Fort Smith, Arkansas	29.10	739 1	29.58	751 3	66.2	19.0	78	sw.	12	5.4	.....	0	5 ks	.....	s.	0.03	0.8	fair	J. B. Campbell.
Galveston, Texas	29.77	756 1	29.81	757.2	66.0	18.9	95	s.	12	5.4	.....	.....	10 n	.....	s.	inap.	inap.	light rain	E. O'C. Macinerney.
Grand Haven, Michigan	28.76	730.5	29.46	748.3	49.0	9.4	56	se.	23	10.3	.....	.....	10 s	.....	se.	0.09	2.3	threatening	Joseph E. Mueller.
Grant, Fort, Arizona	25.15	638.8	29.98	761.5	39.2	4.0	59	nw.	5	2.2	.....	0	0	.....	.....	0.04	1.0	clear	Chas. A. Read.
Hatteras North Carolina	30.38	771.6	30.40	772.1	46.0	7.8	87	ne.	0	2.7	.....	0	4 k	.....	se.	0	0	fair	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.59	650.0	29.91	759 7	7.2	—13.8	91	w.	2	0.9	.....	9 cs	0	.....	.....	0.10	2.5	cloudy	S. W. Morrison.
Huron, Dakota	27.98	710.7	29.46	748.3	17.2	— 8.2	85	nw.	37	16.5	.....	.....	10 s	.....	.....	0.15	3.8	cloudy	S. W. Glenn.
Indianapolis, Indiana	28.85	732 8	29.69	754.1	46.0	7.8	61	s.	12	5.4	.....	.....	10 s	.....	s.	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.74	755.4	29.77	756.1	67.3	19.6	99	s.	20	8.9	.....	.....	10 s	.....	.....	0	0	cloudy	L. A. Reed.
Jacksonville Florida	30.19	766.8	30.24	768.1	58.3	14.6	92	ne.	6	2.7	.....	0	fg.	.... ..	.....	inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	28.63	727.2	29.32	744.7	56.0	13.3	74	s.	30	13.4	.....	1 k	0	s.	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.12	765.0	30.14	765.5	74	23.3	76	e.	11	4.9	.....	0	1 k	....	se.	0.06	1.5	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.26	768.6	30.28	769.1	40.6	4.8	86	se.	4	1.8	.....	0	2 s	.....	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.08	738.6	30.14	765.5	37.9	3.3	93	e.	3	1.3	.....	hz;7ks	0	sw.	.. ..	0	0	dense haze	J. A. Cody.
La Crosse, Wisconsin	28.27	718 0	29.09	738.9	40	4.4	82	s.	12	5.4	.....	.....	10 n	.....	.....	0.15	3.8	light rain	S. C. Emery.
Leavenworth, Kansas	28.58	725.9	29.52	749.8	39.2	4.0	73	nw.	9	4.0	.....	.....	10 s	.....	nw.	0.28	7.1	cloudy	C. Dill.
Lewiston, Idaho	29.22	742.2	30.08	764.0	37.0	2.8	72	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.31	745.2	29.67	753.6	65.0	18.3	90	s.	16	7.2	.....	.....	10 ks	.....	s.	0.04	1.0	cloudy	W. U. Simons.
Los Angeles, California	29.72	754.9	30.12	765 0	42.3	5.7	80	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	T. S. Collins
Louisville, Kentucky	29.22	742.2	29.81	757.2	55.5	13.1	55	s.	16	7.2	.....	.....	10 s	.....	sw.	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.61	752.1	30.33	770.4	38.0	3.3	77	s.	1	0.4	.....	10 ck	0	sw.	.....	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	28.90	734 0	29.60	751.8	30.0	— 1.1	94	se.	19	8.5	.....	.....	10 n	.....	se.	0.27	6.9	light rain	D. B. Notson.
Macon, Fort, North Carolina	30.37	771 4	30.38	771.6	47.8	8.8	89	ne.	7	3.1	.....	8 k	0	s.	.....	0	0	cloudy	William Daly.
Maginnis, Fort, Montana	.....	.....	.....	.....	.....	.....	.....	nw.	20	8.9	.....	10 c	0	nw.	.....	0.10	2.5	cloudy	F. Burke.
Marquette, Michigan	28.65	727.7	29.42	747.3	27.5	— 2.5	94	se.	12	5.4	.....	.....	10 n	.....	.....	0.03	0.8	light snow	J. Gilligan.
Memphis, Tennessee	29.40	746.7	29.75	755.6	59.5	15.3	90	se.	15	6.7	.....	.....	10 n	.....	.....	0.15	3.8	thund'r st'm	D. T. Flannery.
Milwaukee, Wisconsin	28.54	724 9	29.33	745.0	42.9	6.1	72	s.	26	11.6	.....	.....	10 s	.....	sw.	0.16	4.1	cloudy	S. W. Rhode.
Mobile, Alabama	29.98	761.5	30.02	762.5	63	17.2	92	s.	7	3.1	.....	3 ck	7 s	sw.	s.	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.85	752.2	30.09	764.3	54.0	12.2	79	se.	8	3.6	.....	10 cs	0	se.	.....	0	0	cloudy	S. M. Leitsell.
Moorhead, Minnesota	28.29	718 6	29.37	746.0	20.1	— 6.6	91	n.	21	9.4	.....	.....	10 n	.....	n.	0.44	11.2	heavy snow	H. Bessant.
Mt. Washington, N. H.	23.81	604.8	30.33	770.4	16.0	— 8.9	70	sw.	41	18.3	.....	7 cs	3 s	sw.	sw.	0.16	4.1	cloudy	J. H. Melton.
Nashville, Tennessee	29.30	744.2	29.90	759.4	54.4	12.4	50	se.	12	5.4	.....	.....	10ks;hs	.....	s.	0	0	threatening	L. N. Jesunofsky.
New Haven, Connecticut	30.28	769.1	30.40	772.1	22.9	— 5.1	88	calm	0	0	.....	0	9 s	.....	.....	0	0	cloudy	J. H. Sherman.
New London, Connecticut	30.37	771.4	30.42	772.7	27.0	— 2.8	77	n.	4	1.8	.....	0	7 ks	.. ..	w.	0	0	fair	J. G. Lynch.
New Orleans, Louisiana	29.87	759.2	29.95	760.7	69.4	20.8	92	s.	16	7.2	.....	.....	10 ks	.....	s.	0	0	cloudy	M. Herman.
New York, New York	30.22	767.6	30.40	772.1	31.8	— 0.1	78	se.	4	1.8	.....	.....	10s;hz	.....	.....	0	0	cloudy	W. Finn.
Norfolk, Virginia	30.34	770.6	30.37	771.4	38.8	3.8	84	se.	2	0.9	.....	0	6 k	.. ..	sw.	0	0	fair	Wm. Davis.
North Platte, Nebraska	26.67	677.4	29.73	755.1	25.1	— 3.8	76	nw.	19	8.5	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	E. F. Brady.
Olympia, Washington T'y	30.02	762.5	30.06	763.5	37.5	3.1	92	s.	8	3.6	.....	.....	10 n	.....	.....	0.05	1.3	light rain	J. Dascomb.
Omaha, Nebraska	28.24	717.3	29.50	749.3	26.3	— 3.2	77	nw.	7	3.1	.....	.....	10 s	... .	nw.	inap.	inap.	threatening	A. Pollak
Oswego, New York	29.72	754.9	30.06	763.5	28.5	— 1.9	82	se.	18	8.0	.....	10 cs	0	w.	.....	0	0	cloudy	J. G. Linsley.
Palestine, Texas	29.23	742.4	29.80	756.9	67.3	19.6	89	s.	13	5.8	.....	... .	10 s	.....	s.	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	30.03	762.7	30.06	763.5	64.3	17.9	91	se.	16	7.2	.....	.....	10 s	.....	se.	0	0	cloudy	M. McGauran.
Philadelphia, Pa.	30.29	769.4	30.39	771.9	35.0	1.7	69	s.	6	2.7	.....	.....	10 k	.....	s.	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.17	436.1	29.76	755.9	—20.0	—28.9	100	nw.	44	19.7	.....	0	0	.....	.....	0.04	1.0	clear	H. Hall.
Pittsburg, Pennsylvania	29.14	740.1	30.00	762.0	42.0	5.6	65	ne.	4	1.8	.....	.....	10s;fg	.....	s.	inap.	inap.	cloudy	O. D. Stewart.
Port Huron, Michigan	29.03	737 3	29.75	755.6	35.5	1.9	92	se.	17	7.6	.....	.....	10 n	....	.....	0.06	1.5	light rain	M. H. Perry
Portland, Maine	30.38	771.6	30.43	772.9	20.0	— 3.3	64	calm	0	0	.....	10 cs	fg.	w.	.....	inap.	inap.	cloudy	W. W. Eichelberger.
Portland, Oregon	30.05	763.3	30.12	765.0	39.5	4.2	84	s.	10	4 5	.....	.....	10 s	.....	.....	0.19	4.8	cloudy	M. L. Hearn.
Prescott, Arizona	24.74	628.4	30.08	764.0	29 0	— 1.7	84	n.	2	0.9	.....	0	0	.....	.....	0.01	0.3	clear	N. D. Lane.
Provincetown, Mass.	30.40	772.1	30.43	772.9	30	— 1.1	88	w	3	1.3	.....	0	8 ks	.....	w.	0.01	0.3	cloudy	C. N. Kitchel.
Red Bluff, California	29.89	759.2	30.26	768 6	36.5	2.5	91	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.54	750.3	29.78	756.4	65.0	18.3	92	s.	4	1.8	.....	6 c	0	.....	.....	0	0	fair	L. G. Schultz.
Rochester, N. Y.	29.30	744.2	30.00	762.0	33	0.6	88	se.	16	7.2	.....	.....	10 s	.....	.....	0	0	threatening	E. W. McGann.
Roseburg, Oregon	29.68	753.9	30.24	768.1	37	2.8	85	calm	0	0	.....	.....	10 s	.....	sw.	0.13	3.3	cloudy	J. J. Naury.
Sacramento, California	30.15	765.8	30.22	767.6	43.0	6.1	87	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	28.86	733.0	29.51	749.5	58.2	14.6	85	s.	24	10.7	.....	.....	10s;sk	....	s.	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.69	754.1	29.72	754.9	4	—15.6	100	e.	2	0.9	.....	0	7 s	.....	se.	0	0	fair	Fred. H. Clarke.
St. Paul, Minnesota	28.17	715.5	29.08	738.6	35.0	1.7	92	se.	4	1.8	.....	.....	10 n	.....	se.	0.31	7.9	light rain	P. F. Lyons.
St. Vincent, Minnesota	28.50	723.9	29.44	747.8	19.5	— 6.9	91	n.	5	2.2	.....	.....	10 n	.....	.....	0.14	3.6	light snow	C. B. Dilley.
Salt Lake City, Utah	25.62	650.7	30.14	765 5	28	— 2.2	61	w.	12	5.4	.....	.....	10 s	.....	sw.	0.05	1.3	cloudy	J. Craig.
San Diego, California	30.03	762.7	30.10	764.5	49.0	9.4	86	ne.	2	0.9	.....	0	5 k	.....	nw.	0.01	0.3	fair	F. R. Day.
Sandusky, Ohio	29.06	738.1	29.78	756.4	44	6.7	68	sw.	25	11.2	.....	.....	10 n	.....	sw.	0.25	6.3	thund'r st'm	B. F. Hough.
Sandy Hook, New Jersey	30.38	771 6	30.41	772.4	35.0	1.7	64	nw.	7	3.1	.....	10 k	0	nw.	.....	0	0	cloudy	V. P. Chappel.
Sanford, Florida	30.17	766.3	30.22	767.6	66.5	19.2	90	se	3	1.3	.....	0	0	. .....	.....	0	0	clear	J. B. Marbury
San Francisco, California	30.17	766.3	30.24	768.1	46.0	7.8	76	n	10	4.5	.....	0	0	....	....	0.06	1.5	clear	N. Gorom.
Savannah, Georgia	30.17	766.3	30.26	768.6	51.2	10.7	89	e.	3	1.3	.....	0	2 k	.....	s.	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.15	664.2	29.95	760.7	— 6.5	—21.4	78	sw.	1	0.4	.....	3 k	0	w.	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.55	750.6	29.72	754.9	69.0	20.6	81	s.	11	4.9	.....	.....	10 s	.....	s.	0	0	cloudy	E. N. Meekins.
Sitka, Alaska	29.48	748.8	29.55	750.6	27.5	— 2.5	77	e.	6	2.7	.....	.....	10 ks	.....	e.	0	0	cloudy	F. W. Fickett.
Smithville North Carolina	30.30	769.6	30.34	770.6	54.3	12.4	88	se.	11	4.9	.....	6 ck	0	s.	.....	0	0	fair	O. Parker.
Spokane Falls, Wash. Ter.	27.86	707.6	29.99	761.7	28.0	— 2.2	82	sw.	10	4.5	.....	.....	10 s	.....	sw.	0.01	0.3	cloudy	D. Moore.
Springfield, Illinois	28.73	729.7	29.45	748.0	50.0	10.0	77	s.	28	12.5	.....	0	0	....	.....	0	0	clear	T. B. Jennings.
Stockton, Fort, Texas	26.82	681.2	29.90	759.4	54.0	12.2	30	nw.	16	7.2	.....	0	0	.....	.....	0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.77	756.1	29.87	758.7	41.2	5.1	92	sw.	28	12.5	.....	.....	10 n	.....	sw.	0.15	3.8	light rain	R. Connor.
Thomas, Camp, Arizona	27.24	691.9	30.02	762.5	40	4.4	72	calm	.....	.....	0	0	fg.	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	28.99	736.3	29.72	754.9	40	4.4	82	s.	12	5.4	.....	.....	10 s	.....	w.	0.34	8.6	threatening	A. Buell.
Unalashka, Alaska	29.50	749.3	29.52	749.8	39	3.9	73	sw.	6	2.7	.....	.....	10 s	.....	sw.	0.10	2.5	threatening	Samuel Applegate.
Vicksburg, Mississippi	29.62	752.3	29.88	758.9	70	21.1	79	s.	12	5.4	.....	.....	10 s	.....	s.	0	0	cloudy	F. W. Mixer.
Washington, D. C.	30.24	768.1	30.36	771.1	35.2	1.8	84	s.	4	1.8	.....	9 k	0	sw.	.....	0	0	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.76	654.3	29.83	757.7	28	— 2.2	52	w.	12	5.4	.....	0	2 s	....	.....	0	0	clear	F. H. Brandenburg
Wilmington, N. Carolina	30.29	769.4	30.35	770.9	52.5	11.4	90	se.	6	2.7	.....	4 ck	0	s.	.....	0	0	fair	L. H. Albrecht.
Yankton, Dakota	28.07	713.0	29.46	748.3	20.8	— 6.2	82	nw.	36	16.1	.....	.....	10 s	.....	nw.	0.05	1.3	cloudy	E. H. Thompson.
Yuma, Arizona	29.87	758.7	30.02	762 5	49.7	9.8	66	w.	4	1.8	.....	0	0	....	.....	0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.43	747.5	29.45	748.0	32.7	0.4	96	n.	11	4.9	.....	.....	10 n	.....	.....	inap.	inap.	sleeting	George Cheruick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	78	25.6	.....	ne.	.....	.....	3	0	4 k	....	ne.	0.12	3.0	fair	W. H. Jackson.
Bogota, U. S. C.	.....	.....	.....	.....	53.6	12.0	90	calm	0	0	.....	.....	10 k	.....	ne.	0	0	...	Joaquin Gomez.
Chimo, Fort, Ungava	21.98	558.4	.....	.....	24	—31.1	100	s.	10	4.5	.....	0	0	....	.....	0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I.	30.02	762.5	30.18	766.6	74	23.3	92	calm	0	0	.....	0	0	.....	.....	0	0	clear	Robert Johnstone.
Paramaribo, S. A.	.....	.....	30.11	764.8	69.5	20.8	92	.....	.....	.....	.....	.....	.....	.....	.....	0.740	18.8	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	30.05	763 3	30.05	763.3	73	22.8	90	e.	.....	.....	3	.....	10 n	e.	e.	0.29	7.4	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	29.41	747 0	29.97	761.2	73	22.8	89	s.	.....	.....	1	.....	10 ks	.....	s.	0	0	clear	Earl Flint.
York Factory, B. A.	.....	.....	.....	.....	75.5	24.2	84	ne.	.....	.....	1	1 ck	.....	se.	.....	0	0	clear	Fortescue & Wood.
	30.03	762.7	30.10	764.5	—29.0	—33.9	.....	e.	18	8.0	.....	0	0	.....	.....	0	0		
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.00	761.9	30.00	762.1	76.3	24.6	90	n.	11.2	5.0	.....	.....	8 k	....	n.	0.059	1.5	.....	P. Fasiani.
Naos, Bay of Panama	29.94	760.5	30.01	762.2	72.0	22.2	94	n.	.....	.....	4	.....	1 k	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
							Miles p. hr.	Mtrs. p. sec		Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Assyrian Monarch, N. 39° 58′, W. 59° 03′			46	7.8		nnw.			6		6		nnw.	4 h'r	4 h'r	high	nnw.	fair.
S. S. Arizona, N. 50° 13′, W. 19° 04′	29.10	739.1				wnw.			5		3		nw.	0	0	high	nw.	squally.
S. Armenia, N. 42° 16′, W 56° 30′			39	3.9	82	wnw.			7		9		wnw.	0	0	h'vy	wnw.	cloudy.
S. S. Antonio Lopez, San Juan, Porto Rico, W. I.	30.15	765.8	76	24.4	75	ne.			4		3							clear.
S. S. America, N. 49° 30′, W. 13° —′*			52	11.1	79	wsw.			5		3		wsw.	0	0	r'gh	wsw.	clear.
S. S. Athos, Savanilla, U. S. C						ese.			3		0			0	0			clear.
S. S. Bothnia, N. 51° 07′, W. 20° 06′			52	11.1	93	w.			6		8		w.	8 h'r	8 h'r	r'gh	w.	rain & hail.
S. S. City of Augusta, New York, N.Y.						wsw.			4		4		wsw.	0	0			fair.
S. S. Caracas, La Guayra, Venezuela *†	30.10	764.5	75	23.9	86	wsw.			1				n.	light	light	mod.	ne.	showery.
S. S. Celtic, Liverpool, Engt.	29.40	746.7	42	5.6	66	s.			2		5		ssw.	0	0			hazy.
S. Dora, N. 39° 58′, W. 55° 28′			42.8	6.0		nw			6		9		nw.	0	0	long	wnw.	overcast.
S. S. Donau, N. 42° 13′, W. 53° 57′	29.89	759.2				wnw			8		10		wnw.	4 h'r	4 h'r	high	wnw.	stormy.
S. S. Canada, (Fr) N. 49° 32′, W. 20° 11′			50.0	10		wsw.			5		8		wsw.			large	w.	squally.
S. S. France, N. 44° 40′, W. 36° 40′						nw.			4		7		nw.	0	0		n.	fair.
Bk. Fred W. Carlon, N. 23° 55′, W. 81° 55′†	30.19	766.8				e.			5		4		e.	0	0	mod.	ne.	fair.
S. S. Gallia, N. 40° 35′, W. 70° 59′			38	3.3		se.			3		2		sw.	0	0	sm'h		fine.
S. S. Gellert, N. 40° 20′, W. 70° 15′	30.41	772.4	36.0	2.2	90	w.			2		2		w.	0	0	mod	ne.	clear.
Bk. Godeffroy, N. 34° 15′, W. 71° 48′	30.37	771.4	55.6	13.1	75	se.			0–1		9			0	0	mod.	var.	cloudy.
S. S. George S. Thomas, N. 16° 52′, W. 52° 06′						e.			3		4		ene.	3 h'r	3 h'r	mod	e.	fair.
S. S. Greece, N. 49° 30′, W. 12° 12′ †.	29.28	743 7	49	9.4		sw.			6		6		wsw.	6 h'r	6 h'r	mod.	wsw.	squally.
S. S. Iowa, N. 50° 10′, W. 19° 02′ †	29.06	738.1	45	7.2		wnw.			6		1		wnw.	3 h'r	3 h'r	r'gh	wnw.	clear.
S. S. Lord Clive, N. 50° 02′, W. 19° 27′						w.			6		5		w.			high	wnw.	fair
S. S. Lampassas, N. 29° 12′, W. 77° 50′			66	18.9		ese.			6		2		ese.	0	0	short	se.	clear.
Bg. L. F. Munson, Matanzas, Cuba, W.I*†	30.18	766.6	72	22.2		calm			0		0			0	0			clear.
Bg. Lilian, N. 33° 15′, W. 74° 48′ †	30.35	770.9	62	16.7		ese.					9		e.	0	0	mod.	ne.	cloudy.
S. S. Nurnberg, N. 41° 19, W. 61° 19′	30.24	768.1	39.2	4.0		nw.			8		9		nw.	21 h'r	21 h'r	h'vy	nw.	cloudy.
S. S. Nessmore, Liverpool, Eng			48	8.9	85	nw.			5		3		nw.	6 h'r	6 h'r			fine.
Schr. Norena, N. 32° 01′, W. 71° 44′						e.			2		9		sw.	0	0	light	se	cloudy.
S. S. Orinoco, Hamilton, Bermuda †	30.35	770.9	66	18.9		ne.			2		6		ne.	2 h'r	2 h'r			fine.
Bk. Orpheus, N. 42° 46′, W. 51° 10′			36	2.2		s;w.			8		10 k		w.			long	w.	cloudy
S. S. Pennsylvania, N. 45° 05′, W 37° 51′†	29.83	757.7	50	10.0	79	sw.			5		10		sw.	0	0	long	ne.	overcast.
S. S. Rhaetia, N. 48° 39′ W. 25° 27′			44	6.7		nnw.			8		10		nnw.	rain	rain	h'vy	wnw.	stormy.
Bg. Rising Sun, N. 34° 30′, W. 74° 50′			64	17.8		se.			4		9		se.	0	0	sm'h		cloudy.
S. S. Saller, N. 49° 31′, W. 11° 15′	29.18	741.2				ssw.			4–5		6		sw.	4 h'r	4 h'r	mod.	sw.	fair.
S. S. Silesia, N. 47° 38′, W. 36° 13′			47	8.3	92	w.			7		7		wsw.	snow	snow			stormy.
S. St. David, off Holyhead, Wales					80	s.			3		2		sw.	0	0	mod.	wsw.	fair.
Bg. Teneriffe, Matanzas, Cuba, W. I*	30.07	763.8				ese.			1		0			0	0	1	e.	clear
S. S. Westernland, N. 49° 29′, W. 15° 45′	29.10	739.1	49	9.4	85	wsw.			6		8		wsw.	12 h'r	12 h'r	high	wsw.	squally.
S. S. W. A. Scholten, N. 45° 05′, W. 40° 43′			47.7	8.7	90	sw.			5		10		w.	3 h'r	3 h'r	5	w.	raining.
S. S. Weser, N. 37° 44′, W. 75° 00′	30.46	773.7	40.1	4.5		sse.			1		0			0	0	sm'h		clear.
S. S. Zeeland, N. 47° 29′, W. 25° 12′ *†	29.20	741.7	40	4.4		w.			8		5		w.	8 h'r	8 h'r	high	w.	
S. S. Australia, N. 41° 22′, W. 54° 59′†	29.92	760.0	40	4.4		wnw.			9		9		nw.	1 h'r	1 h'r	h'vy	wnw.	squally.
Bk. George Davis, N. 54° 52′, E. 6° 45′*†	29.38	746.2				e.			6		10			4 h'r	4 h'r	r'gh	ese.	raining.
Schr. Adda Doane, Cove Pt. Md †	30.37	771.4				s.			2		5		n.	0	0	sm'h		fair.
S. S. Baltic, N. 40° 38′, W. 56° 23′ *†	29.93	760.2				nw.			6		5		nw.			hv'y	nw.	fair.
S. S. Chalmette, N. 30° 35′, W 80° 33′ *†	30.30	769.6	69	20.6		sse.			5		3		sse.	0	0	long	se.	clear.
S. S. Erin, Thames river, Eng						n.			5		10		n.	7 h'r	7 h'r			cloudy.
S. S. Grecian, N. 44 27′, W. 44° 12′	29.40	746.7	56	13.3	94	wsw.			3		10			12 h'r	12 h'r	high	sw.	raining.
Schr. Jas. Slater, N. 13° 32′, W. 46° 03′			77	25.0		ese.			4		8		se.	1 h'r	1 h'r	mod	e.	squally.
Bg. John Wesley, N. 31° 40′, W. 70° 15*†	30.42	772.7				ne.			3		8		ne.	0	0	cross	w.;n.	cloudy.
S. S. Lone Star, N. 24° 25′, W. 82° 12′*†	30.18	766.6	76	24.4		se.			3		3		se.	0	0	sm'h		clear.
S. S. Lessing, N. 43° 55′, W. 41° 28′	29.51	749.5	62?	16.7?		sw.			6		8		wsw.	0	0	cross	var.	misty.
S. S. Ohio, (Am.) N. 38° 49′, W. 70° 15′ †	30.50	774.7	43	6.1	92	se.			1		0			0	0	mod.	nw.	clear.
S. S. St. Laurent, N. 41° 30′, W. 63° 00′	30.32	770.1	36.5	2.5		nw.			6		5		nw.	0	0	large	w.nw	fair.
Schr. Viola Reppard, N. 36° 40′, W. 70° 04′†	30.43	772 9	50	10.0		calm			0		10		calm	0	0	high		cloudy.
Bk. Western Chief, N. 48° 01′, W 13° 20′*†	29.15	740.4				sw.			6		6 k?		sw.			7	w.	clear.?
S. S. Werra, N. 46° 20′, W. 36° 30′*	29.59	751.5	46.4	8.0		wsw.			6		10		wsw.	4 h'r	4 h'r	high	wsw.	raining.
U. S. Navy Yard, Portsmouth, N. H *.	30.37	771.4	21	— 6.1	85	nw.	6	2.7			8		nw.	0	0			fair.
U. S. S. Galena, N. 23° 50′, W. 74° 17′ *	30.17	766.3	74	23.3	76	e.			4		2		e.			sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	30.48	774.2	34	1.1		calm			0		5					sm'h		fair.
U. S. S. Quinnebaug, Leghorn, Italy	30.01	762.2	60	15.6	76	s.			3		5		sw.			sm'h		fair.
U. S. S. Saratoga, N. 39° 38′, W. 72° 31′	30.41	772.4	39	3.9	82	s.			2		5		ne.	0	0	sm'h		fair.
U. S. S. Tennessee, Sacrificios Id, Gulf of Mexico	29.87	758 7	70	21.1	95	sw.	6	2.7			2		calm	0	0	sli't	ne.	clear.
U. S. S Yantic, N. 28° 21′, W. 77° 21′	30.31	769.9	68	20.0	74	e.			5		2					mod.	e.	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.07	763.8	68	20.0	65	ese.			2		1		ese.					blue sky.
H. M. S. Alecto, N. 3° 46′, E. 8° 47′	29.84	757.9	80	26.7		nw.			1		8		nne.					threatening.
H. M. S. Boudicea, N. 0° 44′, E. 8° 42′	29.86	758.4	79	26.1	95	ssw.			2		2		ssw.			1	ssw.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.33	770.4	60	15.6	71	nnw.			4		5		nnw.					d. clouds.
H. M. S. Himalaya, N 36° 07′, W. 5° 21′	29.87	758.7	60	15.6	76	sw.			3		7		sse.			2	wsw.	d. clouds
H. M. S. Minotaur, Santorin, Greece	30.08	764.0	60	15.6	71	ese.			3		2							d. clouds.
H. M. S. Myrmidon, Malta, Mediterranean			60	15.6	94	e.			2		2							d. clouds.
H. P. M. S. Bengo, N. 11° 58′, W. 21° 10′	29.96	761.0	73.4	23.0	78	ne			5		3		se.	0	0			d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.84	757 8	82.8	28.2	91	sse.			2		7			0	0	1	se.	d. clouds.
S. S. British Crown, N. 39° 07′, W. 68° 38′			50	10 0		e.			2					0	0	sli't	con	clear.
S. S. British Prince, N. 39° 11′, W. 72° 58′			41	5.0	82	sw.			1		1		wsw.	0	c			clear.
S. S. Circassian, N. 42° 00′, W. 60° 00′			28	— 2.2		nw.			6		9		nw.			7	nw.	d. clouds.
S. S. Scandinavian, Portland, Maine	30.39	771.9	27	— 2.8		var.			1		7							d. clouds.
S. S. Sardinian, N. 55° 00′, W. 5° 37′	29.32	744 7	43	6.1		se.			5		7			0	0	sm'h		
S. S. Dorian, N. 36° 26′, W. 3° 30′	29.85	758.2	60	15.6		ese			2		8			0	0	sm'h		fine.
S. S. Furnessia, N. 40° 58′, W. 65° 28′	30.40	772.1	40	4.4		nw.			6		10		nnw.	0	0	short	se.	dense mist.
S. S. Galatia, Marseille, France *†	29.93	760.2	60	15.6		sw.			5		8		sw.	0	0	r'gh	sw.	stormy.
S. S. Carroll, Halifax, N. S*†	30.35	770 9	18	— 7.8		nw.			2		0			snow	snow			clear.
S. S. California, N. 40° 31′, W. 60° 05′*†	30.20	767.1	46.1	7.8		nw.			7				nw.	0	0	cross	wnw.	cloudy.
S. S. Wyoming, N. 41° 32′, W. 62° 38′	30.32	770.1	32	0.0		nw.			6		5		nw.	4 h'r	4 h'r	h'vy	nnw.	clearing.
S. S. Bohemia, N. 44° 19′, W. 35° 17′						n.			3–6		8		n.	0	0	r'gh	e.	cloudy.
S. S. Westphalia, N. 40° 27′, W. 60° 51′	30.21	767.3	44	6.7		nw.			6		7		nnw.	1 h'r	1 h'r	r'gh	nw.	cloudy.
S. S. Virginian, N. 46° 41′, W. 35° 30′			44	6.7		wsw.			6				w.	6 h'r	6 h'r	h'vy	wsw.	showery.
S. S. Archimedes, (Br) N. 4° 15′, W. 29° 06′	29.95	760.7				n.			3		2		n.	0	0	light	n.	fine.
S. S. Teniers, N. 17° 46′, W. 23° 30′	30.13?	765.3?	68.1	20.1	67	ne.			6	0	4 k			0	0	4	nne.	
S. S. Archimede, (It.) New York, N. Y†	30.42	772.7				ese.			2		6		ese.	0	0			hazy.
S. S. Picqua, Lisbon, Portugal †	29.45	748.0	52	11.1	?	sw.			7					14 h'r	14 h'r			heavy rain.
S. S City of Merida, N. 24° 43′, W. 81° 51′			77.0	25		ne.			4		5		e.	0	0	light	e.	fine.
S. S. Canada, (Br) N. 40° 00′, W. 60° 47′			45	7.2		nw.			7		10		nw.	shr's	shr's	h'vy	nw.	cloudy
S. S. Helvetia, N. 41° 36′, W. 46° 24′	29.53	750 0	58	14.4	94	wsw.			6		9		wsw.	6 h'r	6 h'r	long	wsw.	threatening.
S. S. Italy, N. 41° 21′, W. 60° 00′*	30.24	768.1	40	4.4	96	wnw.			7		8		nnw.	4 h'r	4 h'r	h'vy	w.	cloudy.
S. S. Hohenstaufen, N. 39° 16′, W. 58° 27′			44	6.7		nw.			6–7		6		w.	0	0	h'vy	w;nw	cloudy.
S. S. Neckar, N. 49° 40′, W 10° 30′			50.0	10.0	74	w.			0–6		6		w.	3 h'r	3 h'r	r'gh	w.	h'y squalls
S. S. Rhein, N. 40° 54′, W. 55° 10′						nw.			9		8		nw.	6 h'r	6 h'r	r'gh	nw.	squally.
S. S. Muriel, N. 29° 12′, W. 68° 40′	30.40	772.1	65	18.3		ne.			4		0			0	0	mod.	ene.	clear.
S. S. Pennland, N. 39° 49′, W. 57° 49′	29.99	761.7	44	6.7	68	wnw.			7		8		wsw.	16 h'r	16 h'r	high	nw.	squally.
S. S. Vaderland, N. 51° 08′, E. 1° 22′ †	29.37	746.0	47	8.3		n.			5		7		sw.	6 h'r	6 h'r	sm'h		cloudy.
S. S Waesland, N. 41° 50′, W. 51° 00′	29.67	753.6	40	4.4		nw.			9		10		nw.	2 h'r	2 h'r	r'gh	wnw.	cloudy.
S. S. Amsterdam, New York, N. Y.						nw.			3		3		nw.	0	0			fair.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather
						Direction.	Velocity		Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																	
S. S. Zaandam, N 49° 47′, W. 9° 51′*	29.19	741.4	54.5	12.5	84	sw.			6		7		wsw.	4 h'r	4 h'r	long	wsw.	cloudy.
S. S. Maasdam, N. 40° 32′, W. 44° 30′*	29.72	754.9	65.5	18.6	89	ssw.			6		5?		sw.	3 h'r	3 h'r	5	ssw.	cloudy.?
S. S. State of Nebraska, N. 54° 46′, W. 13° 32′ *†	28.90	734.0	45	7.2		ssw.			5		5		sw.	o	o	cf'd	w.	squally.
S. S. State of Nevada, Glasgow, Scotland*†	29.40	746.7	39	3.9		ne.			2		2		se.	o	o			clear.
S. S. Saxon, Philadelphia, Pa *†	30.41	772.4	37	2.8		sw.			1		10							threatening.
S. S. Republic, N. 42° 13′, W. 45° 20′			59	15.0	100	sw.			6		8		wsw.			r'gh	wsw.	drizzling.
S. S. Marengo, N. 43° 22′, W. 36° 20′			52	11.1		wnw.			4		6		wsw.	o	o	cross	wsw.	
Schr. Arthur Burton, N. 30° 05′, W. 67° 47′†	30.37	771.4				ne.			2		4		ene.	o	o	r'gh	ne.	fine.
Bg. Abbie Clifford, N. 41° 40′, W. 69° 27′†	30.44	773.2	34	1.1		calm			0		5		s.			light	var.	fair.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.01	762.2	78	25.6		calm			0		3		ene.	o	o			clear.
S. Annie, N. 23° 02′, W. 46° 12′*	30.14	765.5				e.			5		4		e	½ h'r	½ h'r	mod.	e.	clear.
Schr. Abbie H. Gheen, Springwood Mills, S. C*†	30.30	769.6	53	11.7		n.			1									clear.
Bk. Alpha, N. 30° 30′, W. 19° 10′ *†	30.06	763.5	65	18.3		nw.			6		10		nw.	2 h'r	2 h'r	r'gh	nw.	rainy.
Bk. Achille F., N. 16° —′, W. 42° — ′ *†	30.12	765.0	73	22.8	78	e.			4		6		ne.	o	o	long	var.	fair.
Bk. Bore, N 36° 56′, W. 14° 06′			60	15.6		wnw.			0		3		nw.	10 h'r	10 h'r	rg'h	var.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	78	25.6		calm			0		10			8 h'r	8 h'r			cloudy.
Bk. Cato, Oporto, Portugal†	29.52	749.8	57	13.9	90	nne.			2					o	o			cloudy.
S. David Stewart, Orchilla Island, Venezuela			79	26.1		e.			4		8		ese.	light	light	mod.	n.	
Schr. Edith R. Seward, N. 11° 29′, W. 61° 08†′	30.09	764.3	80	26.7		ene.			3		4		ne.	¼h'r	¼h'r	long	ne.	clear.
Bk Esmeralda, Langesund, Norway	29.85	758 2				sse.			2		10			12 h'r	12 h'r	sm'h		snowing.
U. S. Fish Com. S. S. Fish Hawk, Norfolk, Va			57	13.9		s.			4		10		s.	o	o			cloudy.
S. Frank N. Thayer, N. 14° 20′, W. 34° 30′ *†	30.11	764 8	74	23.3	70	ene			5		4 ks		e.	o	o	mod.	e.	d. clouds.
Bg. George, Arroyo, Porto Rico, W. I *†	30.10	764.5				ene.			2		10		ese.	o	o	mod.	e.	cloudy.
Bk. Galeon, N. 35° 03′, W. 15° 17′			58	14.4		wnw.			6-7		5		nw.	4 h'r	4 h'r		nw.	blue sky.
S. Gatherer, N. 18° 15′, W. 37° 00′†	30.10	764.8	74	23.3	68	ese.			5		3		se.	o	o		se.	
Bk. Heinrich & Tonio, N. 42° 33′, W. 22° 10′*†	29.62	752.3	51	10.6	72	wnw.			3-6		5		nw.	24 h'r	24 h'r	high	nw.	squally.
Bk. Hattie G. McFarland, Aspinwall, U.S.C			76	24.4		ene.			4		6		e.	1 h'r	1 h'r			
Schr. Jennie N. Huddell, Wilmington N. C			50	10.0		e.			2		5		s.	o	o			fair.
Bg. John Welsh, Jr, Barbadoes, W. I						ene.			4									
Schr. John Bird, Zaza, W.I*†	30.15	765.8				e.			1		0			o	o			clear.
Schr. Jenny Greenbank, N 9° 48′, W. 58° 40′			74	23.3		ne.			3		8		ene.	1 h'r	1 h'r	mod.	ene.	cloudy.
Bg. L. & W. Armstrong, Polute a Pitre, Guadeloupe						e.			1		1		e	½ h'r	½ h'r			
Lighthouse Tender Laurel, Key West, Fla †	30.13	765.3	74	23.3		ese.			2-3		4		ese.	light	light			fair.
S. S. Madrid, Savona, Italy	30.03	762.7	60	15.6	88	s.			5		8		sse.	½ h'r	½ h'r			raining.
Schr. Maggie Abbott, Gonaives, Hayti, W.I						ene.			2		0			o	o			clear.
Schr. Nellie T. Morse, Pensacola, Fla†	30.04	763.0	72	22.2		ese.			3		10		ese.	o	o	light	s.	overcast.
Bk. Rosina, N. 39° 01′, W. 54° 41′	29.77	756.1	58	14.4		w.			9		10		wnw.	6 h'r	6 h'r	large	s.	
Bk. Sunbeam, Lisbon, Portugal†	29.50	749.3	57	13.9	94	wsw.			6		10		wsw.	18 h'r	18 h'r			rainy.
S. Stephen D. Horton, Antwerp, Belgium †	29.36	745.7				s.			7		8		sw.	8 h'r	8 h'r			cloudy.
S. Tsemogora, N. 39° 32′, W. 31° 20′*†	29.85	758.2				wnw.			4		7		wnw.	rain	rain	long	nw.	fair.
Bk. Tros, N. 34° 24′, W. 22° 11′*†	30.05	763.3	61	16.1		nw.			5		5		nw.	o	o	r'gh		clearing.
S. Vincenzo Accame, N. 38° 01′, E. 0° 44′ †	29.89	759.3	61.0	16.1		ssw.			5		2			o	o	r'gh	sw.	fair.
District No. 2—South Atlantic.																		
H. M. S. Amethyst, Stanley, Falkland Islands	29.66	753.4	51	10.6	86	w.			2		5		sw.					d. clouds.
H. M. S. Opal, Simons Bay, Cape Colony	29.97	761.2	70	21.1	70	se.			4		2		se.					blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	30.03	762.7	73.5	23.1	76	n.			4		3		calm					blue sky.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.87	758.7	72.0	22.2	79	wsw.			4		4			o	o	2		d. clouds.
S. S. Hevelius, S. 32° 36′, W. 50° 31′ *†	30.32	770.1	76	24.4		ene.			5		2		ene.	o	o	sm'h		clear.
S. S. Strassburg, S. 28° 18′, W. 46° 30′	30.20	767.1	73.0	22.8	74	ese.			4-5		6		var.	11 h'r	11 h'r	5	ese.	fair.
S. S. Grecian, S. 2° 13′, W. 32° 46′†	30.03	762.7	82	27.8	83	n.			1		5		n.	o	o	long	n	fair.
S. Henry Failing, S. 1° 02′, W. 31° 17′*†	29.95	760.7	84	28.9	91	n.			1		9			16 h'r	16 h'r	cross	var.	misty.
Bk. Horace Scudder, Loango, Guinea *†	30.05	763.3	83	28.3		sw.			3		8		wsw.	o	o		sw.	cloudy.
S. Ismir, S. 33° 14′, W. 27° 42′*†	30.12	765.0				sse.			3		4		sse.	o	o	sm'h		fair.
Bkt. Levanter, Montevideo, Uruguay*	30.10	764.5	74	23.3		n.			2		1			o	o	light	e.	hazy.
S. S. Mendoza, S. 21° 13′, W. 35° 38′†	30.10	764.5				nne.			1				nne.	o	o	sm'h	e.	clear.
S. S. Olbers, S. 16° 31′, W. 37° 22′	30.06	763.5	82	27.8	71	ese.			3		2					3	ese.	blue sky.
U. S. S. Nipsic, Montevideo, Uruguay *	30.08	764.0	75	23.9	75	n.			3		5					sm'h		fair.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.27	768.8	45	7.2	61	sw.			2		0			o	o			clear.
U. S. S. Essex, N. 22° 55′, E. 117° 01′	30.14	765.5	62	16.7	88	ne.			4		8					sm'h	ne.	fair.
U. S. S. Juniata, Roze Island, Corea			36	2.2	90	w.			0		10			snow	snow			cloudy.
U. S. S. Palos, N. 36° 02′, E. 122° 33′	30.16	766.1	32	0.0	100	nw.			8		10		nw.			r'gh	nw.	cloudy.
H.M.S. Ranger, Estero Real, Nicaragua	30.04	763.0	77	25.0	77	calm			0		0			o	o			clear.
H. M. S. Audacious, Hong Kong, China	30.15	765.8	67	19.4	95	calm			0		10		ene.					misty.
H. M. S. Champion, Side Saddle Island, China	30.32	770.1	45	7.2	61	nnw.			5		6		n.			4	n.	d. clouds.
H. P. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.24	768.1	57.2	14	92	ene.			1		10							raining.
U. S. S. Pamegia, Macao, China	30.16	766.0	65.0	20	81	nnw.			1-2		10			3 h'r	3 h'r	o-t		drizzling.
S. S. Monocacy, Canton, China	30.15	765.8	64	17.8	89	n.			1		10		calm					cloudy.
S. S. Newbern, N 28° 54′, W. 115° 30′			63	17.2	83	nw.			4		3		nw.	o	o	light	wnw.	fair.
S. S. City of Chester, San Francisco, Cal †	30.23	767.8	40	7.8	69	calm			0		0			o	o			clear.
S. S. Columbia, N. 40° 31′, W. 124° 31′*†	30.23	767.8	46	7.8	69	e.			1		0		nnw.			mod.	wnw.	fair.
S. S. Oregon, San Francisco, Cal †	30.24	768.1	45	7.2	76	calm			0		0							clear.
S. S. Alameda, San Francisco, Cal †	30.24	768.1	45	7.2	94	se.			2		0			o	o			clear.
S. S. Ancon, Cape San Martin, Cal	30.19	766.8	51	10.6	65	nw.			4		0			o	o	long	wnw.	clear.
S. S. Geo. W. Elder, Victoria, B. C			41	5.0	82	var.			1		6			rain	rain			cloudy.
S. S. State of California, Portland, Oregon †	30.11	764.8	38	3.3	63	s.			1		8		s.					cloudy.
S. S. City of Pekin, N. 30° 43′, E. 150° 37′ †.	30.30	769 6	56	13.3	69	nw.			6		2		nw.	o	o	r'gh	nw.	clear.
S. S. City of Rio de Janeiro, N. 29° 28′, W. 168° 19′†	30.32	770.1	64	17.8		nnw.			4				n.			mod.	wnw.	overcast.
S. S. City of Tokio, Yokahama, Japan †	30.29	769.4	46	7.8	69	sw.			2		0							clear.
S. S. Colima, N. 15° 45′, E. 97° 40′†	29.99	761.7	73	22.8	91	w.			4		1		calm	o	o	small	w.	fair.
S. S. Granada, N. 15° 50′, W. 95° 38′†	30.00	762.0	78	25.6	86	sw.			1		2		sw.	o	o	light	sw.	clear.
S. S. San Jose, Panama, Panama			72	22.2		nw.			3		3		sse.	o	o			clear.
S. S. Benalder, N. 33° 15′, E. 135° 15′			60?	15.6?	88	sse.			5-6		7		sw.	o	o	high	se.	threatening.
S. S. Oceanic, N. 35° 26′, W. 134° 31′	30.38	771.6	56	13.3	75	w.			4		8		w.	o	o	4	wnw.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Pinta, S. 53° 26′, W. 72° 46′	29.63	752.6	52	11.1	93	w.			4		10		nw.			sm'h		rainy.
U. S. S. Wachusetts, S. 28° 40′, W. 71° 28′	29.99	761.7	61	16.1	94	s.			3		0					long	s.	clear.
H. M. S. Espeigle, S. 39° 46′, E. 177° 40′	29.91	759.7	64	17.8	89	nne.			1		0		n.			1	se.	d. clouds.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.02	762.5	61.3	16.3	86	calm			0		8							d. clouds
H. M. S. Mutine, S. 22° 35′, W. 74° 15′	30.06	763 5	69	20.0		se.			2		10					2	s.	overcast.
S. S. Suppho, S. 12° 04′, W. 77° 10′	29.94	760.5	73	22.8	90	nnw.			1		8		n.					d. clouds.
S. S. City of Sydney, S. 34° 55′, E. 174° 10′ *†	30.03	762.7	65	18.3	35	wsw.			3		8 c		sw.			light	sw.	cloudy.
S. S. Zealandia, S. 4° 39′, E. 167° 09′	29.95	760.7	82	27.8	83	e.			4		0					sm'h		clear.
S. S. Port Phillip, S. 22° 46′, E. 156° 14′	29.84	757.9	82	27.8	61	s.			1							h'vy	e.	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Aden, Arabia	29.84	757.9	91	32.8	60	ene.			3		0					sm'h	ene.	clear.
H. M. S. Magpie, N. 5° 48′, E. 99° 49′	29.93	760.2	83.7	28.7	76	s.			1		2		se.					misty.
H. M. S. Tourmaline, S. 7° 55′, E. 41° 12′	29.91	759 7	81	27.2	87	n.			3		2					3	n.	blue sky.
S. Orealia, S. 31° 38′, E. 74° 30′*	30.28	769.1				se.			0		5		se.	o	o	sm'h	s.	fair.

International Chart I. March 11, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 12, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mil.	Inch.	Mil.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mil.		
ALGERIAN.																			
Nemours	.....	.....	29.93	760.3	59.0	15.0	76	e.	.....	.....	4	.....	10	.....	.....	0.142	3.6	covered	Roziere.
Algiers	.....	.....	29.95	760.8	62.6	17.0	56	e.	.....	.....	4	.....	6	.....	.....	0	0	cloudy.....	Théve.
La Calle	.....	.....	30.01	762.2	71.2	21.8	50	s.	.....	.....	5	.....	2	.....	.....	0.079	2.0	fair.....	Fonfrède.
Tunis	.....	.....	30.08	764.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.05	763.3	36.3	2.4	93	nw.	.....	.....	2	.....	6	.....	.....	0.031	0.8	cloudy.....	Forfert.
Laghouat	.....	.....	30.11	764.8	65.1	18.4	.....	nne.	.....	.....	4	.....	5	.....	.....	0	0	cloudy	Abraham.
Biskra	.....	.....	30.09	764.3	63.0	17.2	79	e.	.....	.....	2	.....	6	.....	.....	0	0	cloudy.....	Gonson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.12	765.0	59.5	15.3	65	sse.	9	4.0	.....	9 c	.....	.....	.....	0	0	cloudy.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.70	754.4	29.88	758.9	58	14.4	83	nw	10	4.5	.....	.....	2	.....	nw.	0	0	clear.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.94	760.5	30.03	762.7	55.0	12.8	80	sse.	3	1.3	.....	.....	1	.....	.....	0	0	fine.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.41	746.9	29.95	760.7	60.8	16.0	34	sw.	.....	.....	7	.....	8	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.26	743.2	30.04	763.1	42.4	5.8	73	e	20.6	9.2	.....	.....	5	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.13	739.8	30.01	762.3	50.0	10.0	53	calm	.....	.....	0	4 cs	.....	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.70	728.9	29.95	760.6	55.6	13.1	51	w.	.....	.....	1	.....	6	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.59	726.2	30.07	763.8	37.9	3.3	97	se.	.....	.....	1	.....	10	.....	.....	0.252	6.4	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28 50	723.8	29.83	757.7	51.3	10.7	73	e.	.....	.....	2	.....	8	.....	.....	0	0	.....	The Staff.
Lemberg	29.25	742.9	30.30	769.7	29.1	— 1.6	72	e.	.....	.....	3	.....	5	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.98	761.5	30.10	764.4	58.5	14.7	68	sw.	.....	.....	2	.....	3	.....	.....	0	0	foggy.....	I. R. Hydrographic Office.
Szathmar	29.54	750.3	30.01	762.2	49.1	9.5	04	s.	.....	.....	5	.....	6	.....	.....	0	0	.....	Joseph Midlinsky, S. J
Szegedin	29.66	753.4	29.94	760.5	58.1	14.5	57	sw.	.....	.....	1	.....	7	.....	.....	0	c	.....	Karl Stancel.
Trieste	30.09	762.1	30.10	764.6	57.6	14.2	59	calm	.....	.....	0	.....	7	.....	.....	0	0	.....	Royal Academy.
Vienna	29.26	743.2	29.98	761.5	53.2	11.8	65	se.	.....	.....	2	.....	4	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.36	720 4	29.74	755.4	52.5	11.4	86	sw.	.....	.....	1	.....	3	.....	.....	0.272	6.9	raining.....	
Brussels	29.54	750.3	29.74	755.5	44.4	6.9	93	wnw.	.....	.....	1	.....	10	.....	.....	0.343	8.7	light fog.....	
Furnes	29.73	755.1	29.75	755.6	47.7	8.7	70	n.	.....	.....	1	.....	10	.....	.....	0.197	5.0	.....	
Maeseyck	29.62	752.3	29.74	755.5	54.5	12.5	86	sw.	.....	.....	2	.....	10	.....	.....	0.150	3.8	.....	
BRITISH.																			
Aberdeen	29.52	749.8	29.61	752 1	42.7	5.9	81	se.	24	10.7	.....	.....	6	.....	.....	0.040	1.c	d. clouds.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.60	751.8	45.8	7.7	69	se.	22	9.8	.....	.....	8	.....	.....	.....	.....	d. clouds.....	John Hartnup.
Bolton, Sharples	29.10	739 1	29.63	752.6	46.7	8.2	70	s.	18	8.0	.....	.....	6	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.25	742.9	29.64	752.8	42.0	5.9	80	s.	.....	.....	4	.....	6	.....	.....	0.01	0.3	d. clouds.....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.02	762.5	30.05	763.3	79	26.1	70	ne.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.O
Chatham, School M. E	.....	.....	.....	.....	44.0	6.7	88	s.	.....	.....	0.4	.....	8	.....	.....	.....	.....	overcast.....	John McLaren.
Falmouth, Observatory	29.56	750.8	29.74	755.4	40.1	7.8	78	calm	.....	.....	0	.....	10	.....	.....	.....	.....	gloomy.....	Corpl. G. A. Pickles, R.E
Fort Napier, Natal	29.42	747.3	29.60	751.8	48.0	8.9	74	ssw.	.....	.....	5	.....	5	.....	.....	.....	.....	showery.....	The Staff.
Freetown, Sierra Leone	27.58	700.5	29.89	759.2	75.2	24.0	06	e.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds.....	Corp'l O. Stares, A.H.O.
Galway, Queen's College	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Gibraltar, Mediterranean	29.41	747.0	29.45	748.0	50	10.0	93	s.	.....	.....	4	.....	9	.....	.....	0.16	4.1	threatening.	Wm. Ryan.
Greenwich, Royal Obs'y	30.13?	765 3?	30.24?	768.1?	58.6	14.8	92	w.	.....	.....	5	.....	4	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.O.
Guernsey	29.56	750.8	29.74	755.4	51.1	10.6	65	sw.	.....	.....	1	.....	7	.....	.....	0.63	16.0	d clouds.....	The Staff.
Kew, Observatory	29.48	748.8	29.78	756.4	51.0	10.6	72	w.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky.....	A. Collenette, F.R.M.S
Leicester, Museum	29.71	754.6	29.75	755.6	48.5	9.2	68	ssw.	5	2.2	.....	.....	7	.....	.....	.....	.....	misty.....	The Staff.
Malta, Mediterranean	29.41	747 0	29.67	753.6	50.0	10.0	61	sw.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds.....	J. C. Smith.
Nassau, Bahamas	30.04	763.0	30.12	765.0	58.6	14.8	37	nw.	.....	.....	2	.....	8	.....	.....	0	0	overcast.....	Corpl. H. Keene, A. H. O.
Oxford, Radcliffe Obs'y	30.17	766 3	30.22	767.6	76.5	24.7	75	se.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Plymouth	29.48	748.8	29.70	754.4	49.0	9.4	65	sw.	.....	.....	3	.....	6	.....	.....	.....	.....	d clouds.....	The Staff.
Sandwick Manse, Orkneys	29.58	751.3	29.65	753.1	48.3	9.1	85	s.	.....	.....	3	.....	10	.....	.....	.....	.....	showery.....	John Merrifield.
Scutari Cemetery, Turkey	29.41	747.0	29.51	749.5	42.4	5.8	89	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	d. clouds	Rev. C. Clouston, L.L.D
Sheffield	30.01	762.2	30.08	764.0	48.2	9.0	74	ssw.	.....	.....	1	.....	9	.....	.....	.....	.....	gloomy.....	W. H. Lyne.
Silloth Rectory	29.40	746.7	29.68	753 9	50.1	10.1	59	sw.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky.....	W. F. Cooper.
Stonyhurst, Observatory	29.55	750.6	29.58	751.3	43.7	6.5	87	s.	.....	.....	2	.....	10	.....	.....	0.210	5.3	overcast.....	Rev. F. Redford, M. A.
Strathfield Turgiss	.....	.....	29.64	752.8	46.2	7.9	07	sse.	22	9.8	.....	.....	7	.....	.....	0.048	1.2	d. clouds.....	Rev. S. J. Perry.
Valencia, Observatory	.....	.....	.....	.....	48.6	9.2	80	sw.	.....	.....	1.0	.....	5	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Sub-series.	29.30	744 2	29.32	744.7	47.6	8.7	74	s.	44	19.7	.....	.....	7	.....	.....	blank	blank	d. clouds	The Met'g'l Office.
Goso, Episcopal Seminary	29.74	755.4	30.14	765.5	59.0	15.0	68	e.	8.7	3.9	.....	3 c	6 k	w.	e.	0	0	cloudy.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	30.10	764.5	30.22	767.6	59.0	15.0	94	e.	20	8.9	.....	.....	10 n	.....	ene.	0.020	0.5	cloudy.....	The Staff.
CANADIAN.																			
Bathurst, N. B	.....	.....	.....	.....	26.0	— 3.3	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.05	763 3	30.09	764.3	29	— 1.7	90	s.	11	4.9	.....	.....	10 n	.....	.....	0.100	2.5	light snow..	H. J. Cundall, C. E.
Chatham, N. B*	29.94	760.5	30.01	762.2	24	— 4.4	96	e.	3	1.3	.....	.....	10 s	.....	e.	0.05	1.3	cloudy.....	G. A. Blair.
Cornwall, Ontario	29.34	745.2	29.54	750.3	44.0	6.7	90	e.	.....	.....	1	.....	10 s	.....	.....	0.199	5.1	overcast.....	Jas. Smith, M. A.
Dalhousie, N. B	29.94	760.5	29.99	761.7	23.0	— 5.0	.....	e	.....	.....	2	0?	0?	.....	.....	0.100	2.5	overcast?....	H. A. Johnson.
Father Point, Quebec*	29.80	756.9	29.83	757 7	28	— 2.2	84	calm	0	0	.....	.....	10 ks	.....	e.	0.30	7.6	threatening	J. McWilliams
Fort Garry, Manitoba*	28.68	728.5	29.01	752.1	— 5	—20.6	100	w.	22	9.8	.....	0	0	.....	.....	0.35	8.9	clear.....	James Stewart.
Fredericton, N. B	29.91	759 7	29.98	761.5	33.2	0.7	87	e.	3	1.3	.....	.....	10	.....	.....	inap.	inap.	misty.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.95	760.7	30.01	762.2	39	3.9	100	sw.	22	9.8	.....	.....	10 n	.....	.....	0.23	5.8	light rain.....	J. Chipman Seeley
Granton, Ontario	28.54	724.9	29.07	753.6	30.0	— 1.1	100	w.	12	5.4	.....	2 c-	0	.....	.....	0.100	2.5	blue sky.....	Jas. Grant.
Halifax, N. S*	30.00	762.0	30.14	765 5	33	0.6	100	s.	4	1.8	.....	.....	10 n	.....	.....	0.230	5.8	light rain.....	A. Allison.
Hamilton, Ontario	29.27	743.4	29.08	753.9	33.7	0.9	90	sw.	.....	.....	2	5 k	0	sw.	.....	0.100	2.5	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.24	742.7	29.57	751.1	41	5.0	89	s.	26	11.6	.....	.....	10 n	.....	.....	0.21	5.3	cloudy.....	A. P. Knight, M. A.
Little Grace Bay, N. S	30.10	764.5	30.14	765.5	32.5	0.3	89	sw.	4	1.8	.....	.....	10 n	.....	.....	0	0	overcast. ...	C. H. Rigby.
London, Ontario	28.81	731.8	29.74	755.4	32.8	0.4	59	s.	.....	.....	3	.....	10 ks	.....	.....	0.050	1.3	overcast.....	E. B. Reed.
Medicine Hat, N. W. T	27.40	695 9	30.02	762.5	—17	—27.2	69	s.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	John Ewart.
Minnedosa, N. W. T	27.57	700.3	29.74	755.4	—11	—23.9	100	nw.	20	8.9	.....	0	2 s	.....	nw.	0.02	0.5	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	29.42	747.3	29.94	752 8	38	3.3	96	s.	25	11.2	.....	.....	10 n	.....	.....	0.40	10.2	light rain....	C. H. McLeod, C. E.
Ottawa, Ontario	29.33	745.0	29.55	750.6	36.2	2.3	94	ne.	.....	.....	.....	.....	10 s	.....	.....	0.330	8.4	raining.....	A. McGill, M. A.
Parry Sound, Ontario*	28.83	732.3	29.54	750 3	32	0.0	88	sw.	24	10.7	.....	0	5 ks	.....	sw.	0.27	6.9	fair.....	Rev. R. Mosley.
Peterboro, Ontario	28.82	732.0	29.59	751.6	39.7	4.3	94	sw.	.....	.....	2	.....	10 ks	.....	.....	0.35	8.9	overcast.....	Wm. O'Connor, M.A.
Port Arthur	28.54	724.9	29.27	743.4	15	— 9.4	83	sw.	16	7.2	.....	0	8 n	.....	.....	0	0	clearing.....	W. P. Cooke.
Port Dover, Ontario	29.01	736.8	29.72	754 9	34	1.1	89	sw.	17	7 6	.....	.....	10 ks	.....	sw.	0.91	23.1	cloudy	H. Morgan.
Port Stanley, Ontario	29.08	738.6	29.75	755.6	33	0.6	74	w.	20	8.9	.....	0	5 k	.....	sw.	0.56	14.2	cloudy.....	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec	29.39	746.5	29.76	755.9	30	— 1.1	96	calm	0	0	.....	.....	10 n	.....	.....	0.16	4.1	light rain....	Capt. Asse, R. N.
Rockliffe, Ontario	28.92	734.6	29.38	746.2	39	3.9	82	se.	3	1.3	.....	.....	fg.	.....	.....	0.17	4.3	light rain....	W. H. McIntyre.
St. Andrews, N. B	29.90	759.4	29.95	760.7	36	2.2	94	calm	0	0	.....	.....	fg.	.....	.....	0.03	0.8	dense fog.....	
St. John, N. B	29.87	758.7	30.02	762 5	34.3	1.3	100	s.	8	3.6	.....	.....	10 n	.....	.....	.....	.....	raining.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.20	767.0	23.0	— 5.0	.....	nw.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sugeen, Ontario	28.85	732.8	29.59	751.6	32	0.0	92	sw.	43	19.2	.....	0	8 n	.....	w.	0.04	1.0	cloudy.. .	
Stratford, Ontario	28.37	720.6	29.09	754.1	30 1	— 1.1	76	sw.	12	5.4	.....	0	6 n	.....	.....	0.040	1.0	d. clouds	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	30.15	765.8	30.22	767.6	23	— 5.0	88	calm	0	0			10 n			0	0	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.27	743.4	29.66	753.4	37	2.8	89	sw.	23	10.3		2 cs	5 s	sw.	sw.	0.44	11.2	clearing	Magnetic Observatory.
Woodstock, Ontario	28.65	727.7	29.75	755.6	33.4	0.8	80	sw.	33	14.8			10 s			0.210	5.3	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.01	762.2	30.08	764.0	38	3.3	96	s.	11	4.9			10 n		s.	0.22	5.6	light rain	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.05	763.3	30.08	764 0	71.5	21.9	85	sw.				0	0			0.150	3.8	clear	I. Garfelt.
Cape Town, The Castle	29.90	759.4			74.5	23.6	54	sse.				0	1 k			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.87	707.9			84	28.9	43									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.64	752.8	29.74	755.5	56.1	13.4	77	e.			1		1 n		s.	0	0		Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					58.1	14.5	83	s.			1	0				0	0	clear	Leon Herrera.
Valparaiso	29.81	757.1	29.95	760.7	61.7	16.5	89	n.			1	0	0					clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.38	771.6	30.40	772.2	36.1	2.3	65	se.	3.8	1.7			0			0	0	clear	M.Marc Dechevrens, S. J.
DANISH.																			
Copenhagen	29.69	754 2	29.74	755.4	40.6	4.8	97	s.	18	8.			10					raining	Oversergent Fischer.
Fanöe	29.69	754.1	29.71	754 6	40.8	4.9	87	sw.			2		10						Overloerer Laurdsen.
Godthaab, Greenland	29.47	748.6	29.52	749.7	15.1	— 9.4	97	n.			4		10						S. Kleinschmidt.
Ivigtut, Greenland	29.35	745.5	29.37	746.0	29.5	— 1.4		calm			0		10						
Stykkisholm, Iceland	29.44	747.8	29.48	748.9	38.1	3.4	75	e.			4		5						A. O. Thoriacius.
Thorshavn	29.43	747.4	29.45	748.0	44.8	7.1	86	se.	13	6			4						Overloerer Bergh.
Upernavik, Greenland	29.63	752.5	29.67	753 7	4.8	—15.1		e.			2		3						
Vestervig	29.52	749.8	29.61	752.1	38.3	3.5	98	wnw.			4		10						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.92	760.0			65.5	18.6		ne.	1.8	0.8			0			0	0		Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School	29.27	743 5	29.93	760.2	49.6	9.8	89	nnw.			1		10 n		ne.			raining	M. Labroue, Director.
Alençon, Normal School	29.27	743.5	29.82	757.5	46.8	8.2	89	wsw.			1		5 kn		ese.	0.370	9.4	cloudy	M. Nicot, Director.
Arras, Normal School	29.51	749.5	29.76	755.8	45.5	7.5	90	nne.			1		1		e.	0.594	15.1	clear	M. Ungerer, Director.
Avignon, Normal School	29.89	759 2	29.97	761 2	62.6	17.	43	se.			2		5		se.	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.28	743.7	29.83	757.7	56.1	13.4	73	sw.			2		10		sw.	0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.52	749.7	29.78	756.5	50.4	10.2	72	wnw.			1		10		nw.	0.453	11.5	covered	M. Frère Eugène Marie.
Besançon, Normal School	28.95	735.4	29.83	757.7	64.4	18.	44	ssw.			1		kn		ne.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.61	752.2	29.87	758.8	52.9	11.6	75	nw.			1		8		n.	0.390	9.9	very cloudy	M. Rayet, Director.
Bourges, Normal School	29.28	743.7	29.84	757.8	49.3	9.6	93	sw.			1		5		sw.	0.024	0.6	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.58	751.4	29.83	757.6	53.2	11.8	78	sw.			4		3		sw.	0.008	0.2		M. de Kermarec, Dir.
Caen, Normal School	29.70	754.4	29.78	756.3	53.6	12	95	w.			1		10		w.	0.12	3.	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.44	747.7	29.76	755.8	53.6	12.0	87	sw.			1		10		w.	0.039	1.0	covered	M. Jadot, Director.
Charleville, Normal School	29.24	742.7	29.75	755.7	52.2	11.2	70	s.			1		10		sw.	0.354	9.0	raining	M. Noël, Director.
Clermont-Ferrand Obs'y	28.44	722.3	29.78	756.4	55.4	13.0	67	s.			4		10		s.	0	0		M. Alluard, Director.
Cluny, Normal School	29.02	737.0	29 92	760.0	58.3	14.6	52	s.					9			0	0		M. de Villemontée, Dir.
Commercy, Normal School	28.95	735.2	29.80	756.9	57.9	14.4	70	sw.			6		5 kn	sw.	sw.	0.024	0.6	cloudy	Dr. Coulet, Director.
Gap, Normal School	27 40	697 4	29.95	760.8	56.1	13.4	35	sw.			4		6 kn			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.87	733.3	29.99	761.8	57.7	14.3	57	se.			6		9		se.	0	0		M. Kina, Director.
Grenoble. Normal School	29.13	740.0	29.88	759 0	64.8	18.2	52	ssw.			6	ck	n		s.	0	0		M. Ablard, Director.
Guéret, Normal School	28.31	719.0	29.87	758.6	55.4	13.	66	se.			1	ck			sw.	0.138	3.5		M. Delorme, Dir.
Lambal e Normal School	29.47	748.6	29.75	755.6	51.6	10.9	63	sw.			1		n		sw.	0	0		M. Polipre, Dir.
Lescar, Normal School	29.32	744.7	29.85	758.3	50.0	10.0	72	w.			1		kn			0.142	3.6		M. Chauvin, Director.
Lorient, Naval Observatory	29.73	755.1	29.83	757 7	49.3	9.6	66	ssw.			2		5	s.	sw.	0.004	0.1	½ covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28.82	732.1	29.87	758.8	55.9	13.3	47	sw.			6	c			w.	0	0		M. Audié, Director.
Mans, Normal School	29.50	749 2	29.81	757.1	49.1	9.5	74	w.			1		5 kn		w.	0.445	11.3	cloudy	M. Richard, Director
Marseille, Observatory	29.70	754.3	29.97	761.1	59.4	15.2	65	se.			6		10		se.	0	0		M. Stephan, Director.
Montlouis	24.63	625.5	29.47	748.5	40.4	8.0	61	w.	9.4	4.2			7	w.		0.205	5.2		M Cave for Dr. Fines.
Montpellier, Normal School	29.76	755.8	29.87	758.6	52.9	11.6	93	ese.			6		10	ese.		0.083	2.1	covered	M. Galzin, Director.
Nancy, Normal School	29.03	737.3	29.80	756.9	58.6	14.8	56				4		n			0	0		M. Hasse, Director.
Nantes, Observatory	29.70	754.3	29.86	758.4	55.6	13.1	62	wsw.			0–2	c	7 k; kn		wsw.	0.185	4.7		M. Larocque, Director.
Perpignan, Observatory	29.73	755.2	29.84	758.0	60.3	15.7	78	se.	9.4	4.2			10		s.	0.232	5.9		Dr. Fines, Director.
Pic-du-Midi, Summit	20.97	532.6			24.8	— 4.0		sw.			1		5		sw.	0.394	10.0	cloudy	M. Vaussenat, Director.
Privas, Normal School	28.88	733.5	29.94	760.5	55.0	12.8	59	se.			8		8			0.217	5.5	very cloudy	M. Taillieu.
Puy de Dôme Obs'y, Summit	24 93	633.3			43.3	6.3	78	s.			8		8		ssw.	0	0		M. Alluard.
Rochefort, Naval Obs'y	29.85	758 3	29.89	759.1	54.0	12.2	74	wnw.			2		2		wnw.	0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.61	752.2	29.83	757.7	54.3	12.4	70	sw.			1				sw.	0.409	10.4		M. Brothier, Director.
Rodez, Normal School	27.69	703.4	29.81	757.2	57.7	14.3	69	e.			6		10 n		w.	0.20	5.	raining	M. Seger, Director.
Rouen, Normal School	29.75	755 7	29.80	756.9	50.7	10.4	93	nw.			1		5		nw.	0.413	10.5	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.65	753.0	29.81	757 2	48.9	9.4	82	wnw.			1		10		w.	0.358	9.1		M. Renou, Director.
Toulouse, Observatory	29.15	740.4	29.87	758.7	50.7	10.4	97	nw.			1		10	wnw.		0.335	8.5	covered	M. Baillaud, Director.
Tours	29.67	753.6	29.85	758.1	54.0	12.2	72	wnw.			1		5	wnw.	w.	0.350	8.9	cloudy	M. de Tastes.
Versailles, Observatory	29.32	744.6	29.81	757.1	47.5	8.6	89	n.			1					0.189	4.8		Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.76	756.0	29.91	759.8	48.6	9.2	94	nw.	5.8	2.6			10 k			1.004	25.5	light rain	M. Cartier, Director.
GERMAN.																			
Ansbach	28.45	722.5	29.87	758.8	57.0	13.9	52	calm			0		10			0	0		Prof. Juedt.
Bamberg	29.06	738.1	29 90	759 5	55.8	13.2	50	w.			2		5 k		w.	0	0		Prof. Dr. Hoh.
Berlin	29.67	753.5	29.81	757.1	58.1	14.5	60	s.			1		10			0.122	3.1		Meteorological Institute
Breslau	29.46	748.3	29.99	761.8	52.9	11.0	55	se.			4		3	w.		0	0		Royal University Obs'y
Carlsruhe	29.43	747.4	29.88	758.9	59.7	15.4	55	sw.			1		10	sw.		0	0		Albert Senz.
Cassel	29.12	739.6	29.83	757.7	56.8	13.8	69	sw.			7		8	sw.		0.039	1.0		Dr. H. Möhl.
Frankfort-on-the-Main	29.49	749.1	29.85	758.3	58.3	14.6	58	ssw.			1		10			0.008	0.2		Physical Society.
Friedrichshafen	28.48	723.4	29.88	758.9	57.2	14.0	58	sw.			1		10	w.		0	0		Wilhelm, Chief Tel.
Hamburg	29.65	753.1	29.74	755.4	51.3	10.7	93	s.			3		10			0.083	2.1	raining	E. Preller.
Kiel	29.69	754.2	29.71	754.6	46.6	8.1	93	calm			0		10			0.157	4.0		Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.45	747.9	29.86	758.4	61.3	16.3	63	s.			1		7			0	0		H. Leppig, Asst.
Magdeburg	29.62	752.3	29.80	757.0	57.2	14.0	71	sse.			2		10			0.012	0.3		Weather Observatory.
Memel	30.22	767.7	30.27	768.9	36.1	2.3	59	se.			6	5 c							Issermann.
Munich	28 05	712.4	29.90	759.5	58.1	14.5	46	n.			2		5	nw.		0	0		Central Station.
Neufahrwasser	30.10	764.5	30.11	764.9	40.5	4.7	59	s.			5		10			0	0		A. Lothes.
Neustadt, Palatinate	29.31	744.4	29.83	757.7	61.0	16.1	55	sw.			4		10	sw.		0	0		Prof. Dicknether.
Stuttgart	28.93	734.8	29.80	757.0	62.6	17.0	47	sw.			1		10			0	0		Prof. Dr. Schoder.
Wustrow	29.72	755.0	29.75	755.6	46.6	8.1	92	sse.			2		10 s			0.150	3.8		Profs. Brandes & Reimer
GREEK.																			
Athens	29.69	754.1	30.08	763.9	61.2	16.2		s.			1.5	4	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.93	760 3	29.98	761.6	82.0	27.8	45	wnw.	23.0	10.3			10			0	0	overcast	
Deesa	29.44	747.7	29.90	759.4	95.0	35.0	16	wnw.	11.0	4.9			6	wnw.		0	0	d. clouds	
Bombay	29.85	758.3	29.89	759.2	82.3	27.9	70	wnw.	14.0	6.3			0			0	0	blue sky	
Poona, Yarrowda	28.04	712.1	29.84	758.0	94.2	34.6	11	e.	8.0	3.6			0			0	0	blue sky	
Belgaum	27.37	695.2	29.84	758.0	90.5	32.5	8	ene.	7.0	3.1			0			0	0	blue sky	
Lahore	29.19	741.4	29 94	760.5	77.4	25.2	41	w.	2.0	0.9			8			0	0	d. clouds	
Roorkee	28.95	735.2	29.84	757.9	84.2	29.0	23	nw.	5.0	2.2			2			0	0	d. clouds	
Agra	29.35	745.4	29.91	759.7	86.7	30.4	22	nw.					6		w.	0	0	d. clouds	
Nagpur	28.85	732.8	29.87	758.6	94.5	34 7	22	calm	2.0	0.9			6		w.	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.61	726.7	29.95	760.6	89.7	32.1	25	calm	0	0			1			0	0	blue sky	
Lucknow	29.50	749.2	29.87	758.7	84.2	29.0	27	wnw.	8.0	3.6			0			0	0	misty	
Allahabad	29.56	750.8	29.87	758.7	88.2	31.2	25	w.	6.0	2.7			0			0	0	blue sky	
Patna	29.65	753.0	29.83	757.6	88.4	31.3	21	w.	7.7	3.4			0			0	0	blue sky	
Hazaribagh	27.89	708.3	29.89	759.2	81.3	27.4	24	wnw.	6.0	2.7			0			0	0	blue sky	
Cuttack	29.79	756.7	29.87	758.8	92.1	33.4	28	ne.					0			0	0	blue sky	
Calcutta, Alipore	29.84	758.0	29.86	758.5	84.9	29.4	38	w.	0.5	0.2			0			0	0	blue sky	
Dhubri	29.74	755.4	29.86	758.4	83.5	28.6	33	calm	0	0			0			0	0	blue sky	
Chittagong	29.82	757.4	29.91	759.7	80.7	27.1	73	w.	2.8	1.2			0			0	0	misty	
Sibsagar	29.60	751.8	29.94	760.5	73.2	22.9	72	ne.	2.0	0.9			0			0	0	blue sky	
Jeypore	28.50	724.0	29.94	760.3	86.2	30.1	23	nnw.	7.5	3.4			5		wnw.	0	0	d. clouds	
Zanzibar	29.86	758.3	29.88	758.9	83.4	28.6	73	n.	7.0	3.1			3	ene.	ssw.	0	0	d. clouds	
Bellary	28.42	721.9			93.8	34.3	14	e.	8	3.6		0	0			0	0	blue sky	
Trichinopoly	29.65	753.1			94.0	34.4	38	ene.	0.2	0.1		0	0			0	0	blue sky	
ITALIAN.																			
Udine	29.66	753.3	30.07	763.8	53.6	12.0	69	ne.	2.5	1.1			10			0	0		Prof. Giovanni Clodig.
Milan	29.60	751.9	30.12	765.1	51.4	10.8	88	sw.	3.1	1.4			10	sw.		0.130	3.3		Prof. G.V.Schiapparelli
Padua	29.94	760.4	30.05	763.2	58.1	14.5	70	nw.	3.8	1.7			5			0	0		Prof. Dott. Lorenzoni.
Moncalieri	29.18	741.2	30.09	764.3	53.8	12.1	64	nne.	1.8	0.8			8	ne.		0	0		Prof. F. F. Denza.
Genoa	29.93	760.1	30.12	765.0	54.5	12.5	85	se.	9.4	4.2			10	s.		0.016	0.4		Prof. G. M. Garibaldi.
Pesaro	30.04	762.9	30.08	764.1	57.6	14.2	57	se.	8.7	3.9			2			0	0		Prof. Luigi Guidi.
Florence	29.85	758.2	30.11	764.7	59.4	15.2	55	sw.			2		6			0	0		Prof. Costantino Pit·el.
Leghorn	29.99	761.8	30.08	764.0	58.6	14.8	64	s.	4.3	1.9			4			0	0		Prof. P. Monte.
Rome	29.96	761.0	30.13	765.4	60.6	15.9	51	w.	0.7	0.3			8			0	0		Prof. P. Tacchini.
Lecce	29.84	758.0	30.10	764.5	61.2	16.2	54	sse	5.6	2.5			2			0	0		Prof. C. de Giorgi.
Cosenza	29.22	742.1	30.12	765.0	58.6	14.8	78	sw.	2.5	1.1			0			0	0		Prof. D. Conti.
Palermo	29.87	758.8	30.13	765.2	57.7	14.3	68	ne.	7.4	3.3			1			0	0		Prof. G. Cacciatore
Syracuse	30.05	763.9	30.12	765.1	58.8	14.9	58	ne.	2.5	1.1			6	se.		0	0		Sig. V. Giuli no.
Sub-series.																			
Naples, Astron'l Obs'y	29.61	752.2			57.0	13.9	65	wsw.	1.3	0.6			3	w.		0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	29.50	749.3	29.53	750.0	37.3	2.9	89	s.			2		10k;ks		sw.	0.453	11.5	cloudy	H. Hattori.
Awomori	29.42	747.2	29.46	748.3	35.1	1.7	89	w.	15.2	6.8			10 n		w.	0.399	10.1	light rain	K. Ogawa.
Hakodate	29.41	747.1	29.42	747.4	37.5	3.1	89	wsw.	11.4	5.1		0	7 ks		sw.	0.492	12.4	cloudy	Y. Souma.
Hamamatsu	29.70	754.4	29.80	756.9	38.1	3.4	86	w.			4	0	2 ks		w.	0.520	13.2	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.03	762.7	30.04	763.1	35.1	1.7	86	nw.	1.1	0.4		1 ck	0	w.		0	0	clear	Y. Okamoto.
Kagoshima	30.16	766.0	30.17	766.3	42.9	6.1	58	n.			2	0	2 s			0.059	1.5	clear	
Kanazawa	29.69	754.1	29.79	756.8	36.4	2.4	88	sw.	21.8	9.7			10 n			0.534	13.6	snowing	S. Endo.
Kioto	29.72	754.8	29.89	759.2	37.6	3.1	86	w.	3.4	1.5			10 n		nw.	0.426	10.8	light rain	M. Tojima.
Kochi	29.98	761.4	30.00	761.9	38.5	3.6	80	wnw.	6.5	2.9		1 ck	1 s	nw.	nw.	0	0	clear	K. Kusunose.
Miasaka	30.08	763.9	30.10	764.6	40.5	4.7	67	wnw.			2	0	0			0.008	0.2	clear	K. Masusaki &T. Ishitain.
Miyako	29.32	744.8	29.43	747.6	41.8	5.4	66	sw.	5.8	2.6			10 s		s.	2.083	52.9	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.95	760.7	30.16	766.0	40.7	4.8	60	nw.	7.5	3.3		0	8 s		nw.	0.050	1.3	cloudy	
Nemuro	29.57	751.1	29.62	752.3	32.8	0.4	74	ne.	36.0	16.1			10 n			0.27	6.9	snowing	A. Shibuya.
Niigata	29.59	751.6	29.63	752.6	40.4	4.7	81	w.	22.6	10.1		0	8ks;s		w.	0.760	19.3	cloudy	Satoo & Tomikawa.
Nobiru	29.51	749.5	29.52	749.9	39.6	4.2	83	nw.	10.1	4.5			10s;ks			0.210	5.3	overcast	Yoslino & Midzushina.
Numadzu	29.60	751.8	29.63	752.7	40.4	8.0	59	sw.			6	0	0			0.528	13.4	clear	T. Ohgi.
Osaka	29.88	758.9	29.90	759.3	39.9	4.4	78	w.	19.4	8.7		4 ck	4ck;s	w.	w.	0.045	1.1	cloudy	H. Omura.
Sakai	29.97	761.3	29.98	761.5	39.8	4.3	61	n.			4		9 ks		nw.	0.472	12.0	cloudy	Yamawchi & Sakamoto.
Sapporo	29.29	743.9	29.35	745.6	33.0	0.6	96	ne.	2.6	1.2			10 n			0.207	5.3	raining	S. Kimura.
Shimonoseki	29.93	760.3	30.08	764.0	41.2	5.1	58	w.			4		9s;ks		w.	0.028	0.7	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.52	749.9	29.60	751.8	46.5	8.1	69	n.	8.2	3.7		0	8 ks;s		sw.	0.847	21.5	cloudy	The Staff.
Wakayama	29.89	759.2	29.94	760.6	40.6	4.8	68	nw.	12.1	5.4		0	0			0.005	0.1	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.73	755.1	29.92	760.0	82.0	27.8	66	ese.	13.5	6.0		40;cs	4ku;ks	wnw.	e.	2.24	56.9	fair	The Staff.
MEXICAN.																			
Leon	24.32	617.7	30.10	764.5	49.6	9.8	63	n.	0.9	0.4		5 c	0			0	0	fair	M. Leal & M. Pina
Mazatlan	29.73	755.3	30.00	762.0	65.0	18.3	94	ne.	1.6	0.8		0	0			0	0	clear	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.75	755.7	29.75	755.7	46.0	7.8		nnw.			2					0.173	4.4		
Groningen	29.66	753.3	29.71	754.7	41.0	5.0		ne.			1					0.118	3.0		
Helder	29.72	755.0	29.72	755.0	42.1	5.6		ne.			1					0	0		
Hellevoetsluis	29.71	754.5	29.71	754.5	45.9	7.7	85	n.			1					0.134	3.4		
Utrecht	29.69	754.1	29.74	755.3	42.4	5.8	86	nw.			2		7			0.169	4.3	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.95	760.8			77.5	25.3	82	n.	0	0			10			0.047	1.2		Lt. J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.60	751.7	29.66	753.3	37.0	2.8	55	n.	7	3			2			0	0		
Brono	29.52	749.9	29.56	750.9	31.8	−0.1	79	s.			6		10			0.059	1.5	light snow	
Christiania	29.47	748.5	29.62	752.3	34.7	1.5	94	sw.	7	3			10			0.283	7.2	rain & fog	
Gjæsvær	29.63	752.7	29.66	753.3	32.0	0.0		ssw.			6		10			0	0		
Lodingen	29.69	754.2	29.74	755.4	30.6	−0.8	54	calm			0		5			0.118	3.0		
PORTUGUESE.																			
Augra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos.
Funchal, Madeira	30.15	765.9	30.24	768.1	61.3	16.3	45	se.	3.8	1.7			5	nw.		0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.75	755.7	30.17	766.4	54.3	12.4	55	wnw.	10.5	4.7			5			1.295	32.9		The Staff.
Ponta Delgada, Azores	29.85	758.3	29.93	760.1	60.1	15.6	64	sw.	37.4	16.7			3			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	30.00	762.1	30.04	763.0	67.5	19.7	68	e.			5		2			0	0		
San Salvador, Congo	28.02	711.7	29.82	757.5	85.1	29.5	61	nw.			3		4			0	0		
Serra da Estrella	25.16	639.0	30.06	763.6	30.7	−0.7	100	wnw	26.2	11.7			10			0.177	4.5	foggy	
RUSSIAN.																			
Akmolinsk	29.04	737.7	30.25	768.4	0.1	−17.7	89	nnw.	4	2		7 cs	0			0	0		Major K. Lasarew.
Archangel	30.28	769.2	30.30	769.7	24.4	−4.2	79	ssw.	13	6		0	4 ks			0	0		Capt. Sselliwerstow
Ashurada	30.03	762.8	29.94	760.4	57.9	14.4	66	nw.	11	5		0	6 k			0	0		
Astrakhan	30.22	767.6	30.14	765.6	39.4	4.1	38	e.	20	9		0	0						Capt. Wiaganow.
Baku	30.06	763.5	30.01	762.3	44.4	6.9	86	nne.	9	4			9 ku			0.035	0.9		
Barnaul	29.76	755.8	30.32	770.2	−2.4	−19.1	70	sw.	2	1			9			0	0	light clouds	Meteorological Office.
Bieloserk	30.16	766.6	30.66	778.8	24.8	−4.0	46	calm	0	0		0	0			0	0		
Dorpat	30.23	767.8	30.49	774.5	25.3	−3.7	60	s.	11	5		1 c	0			0	0		Observatory.
Ekaterinburg	29.41	746.9	30.46	773.7	12.7	−10.7	61	nw.	7	3		0	1 ks			0	0		Meteorological Obs'y.
Elissawetgrad	29.85	758.1	30.34	770.5	21.4	−5.9	75	n.	11	5			10 s;n			inap.	inap.		
Kasan	30.30	769.7	30.60	777.1	21.0	−6.1	69	nne.	2	1		0	0			0	0		Observatory.
Kem	30.24	768.1	30.29	769.4	23.5	−4.7	42	sw.	22	10			9 ks			0	0		
Kertch	30.10	764.5	30.12	765.1	32.7	0.4	94	n.	7	3			10 n			0	0		Lagorio & Sastyrea.
Kieff	29.71	754.7	30.41	772.5	14.0	−10.0	80	n.	9	4		0	0			0	0		Observatory.
Koslov	29.96	760.9	30.52	775.1	9.5	−12.5	66	nne.	13	6		0	0			blank	blank		
Lgov	29.89	759.1	30.53	775.5	14.0	−10.0	52	ne.	11	5			0			0.020	0.5		R.I. Ssaweljew, En rin'r.
Liban	30.18	766.6	30.21	767.2	37.0	2.8	54	se.	18	8			3			0	0		I. Quaas
Lugan	29.98	761.6	30.21	767.2	23.4	−4.8	74	ne.	22	10			10			0.024	0.6		Meteorological Obs'y.
Moscow	30.21	767.2	30.73	780.5	25.7	−3.5	52	e.	2	1		0	0			0	0		Meteorological Obs'y.
Nertschinsk	27.76	705.1	30.28	769.2	3.4	−15.9	69	calm	0	0			0			0	0		
Nikolaiev	30.18	766.5	30.25	768.3	25.9	−3.4	82	n.	9	4			10 n			0.024	0.6		Capt. Kurdakow.

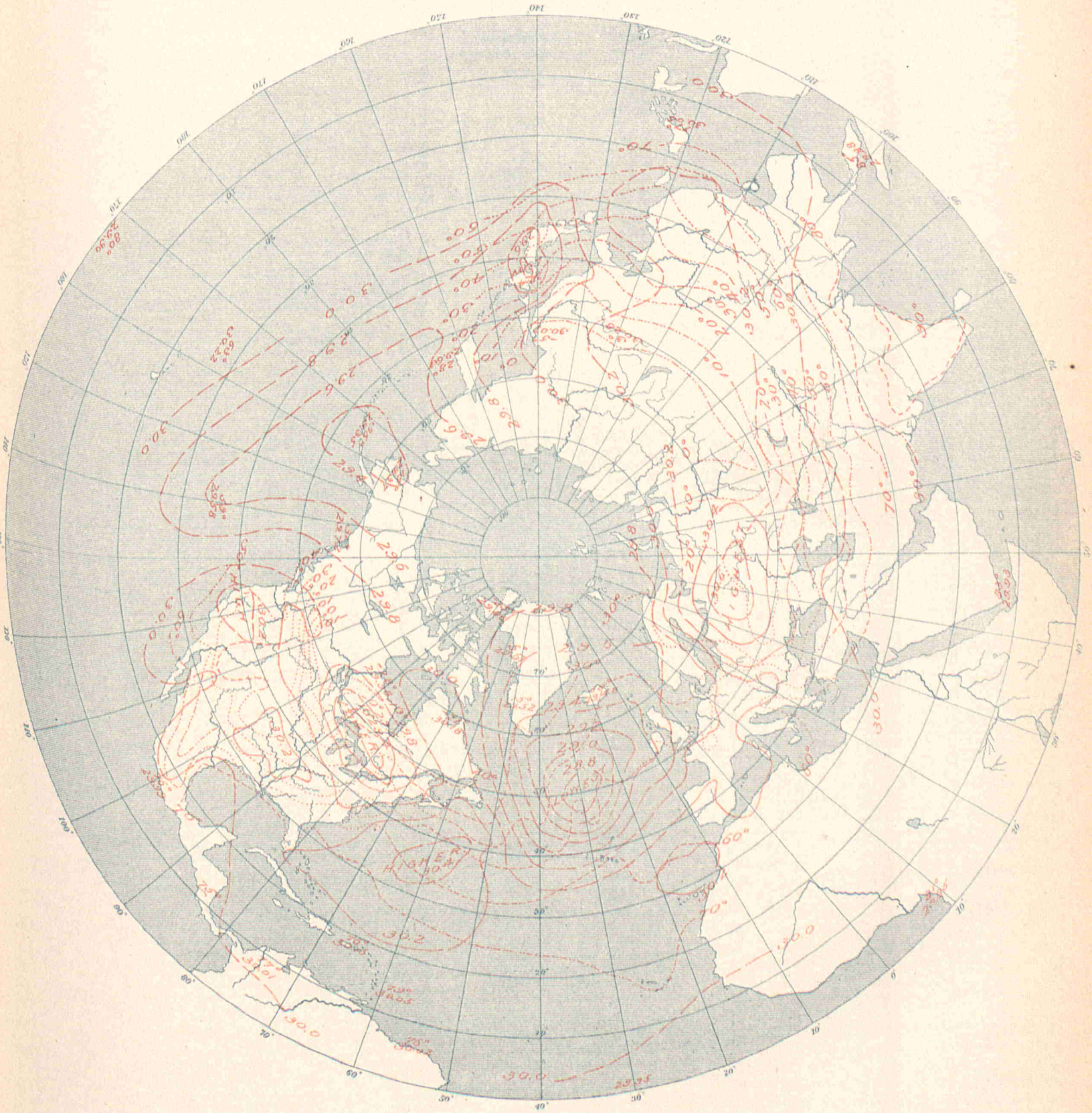
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mil.	Inch.	Mil.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mil.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.98	761 5	30.07	763.7	— 5.1	—20.6	79	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.04	762.9	30.18	766.5	33.8	1.0	51	se.	2	1	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.68	753.9	30.04	762 9	54.3	12.4	47	ne.	1.1	0.5	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.32	770 1	30.54	775.6	15.6	— 9.1	60	se.	11	5	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.92	759.9	30.45	773.5	24.1	— 4.4	65	ene.	18	8	.....	0	0	.....	.....	0	0	.....	
Poti	29.96	761.0	29.99	761.8	43.3	6.3	99	sw.	11	5	.....	.....	10 n	.....	.....	.....	.....	raining	
St. Petersburg	30.56	776.1	30.58	776.7	24.3	— 4.3	54	sse.	11	5	.....	1 cs	0	.....	.....	0	0	light clouds	Central Physical Obs'y.
Samarkand	27.52	699.0	30.00	762.1	50.2	10.1	96	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	raining	Dresch.
Semipalatinsk	29.58	751.2	30.30	769.7	7.3	—13.7	79	calm	0	0	.....	.....	3	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.93	760.2	30.15	765 8	37.6	3.1	54	n.	16	7	.....	0	1 s	.....	.....	0	0	.....	
Staroi Bykhov	29.97	761.1	30.57	776.4	21.9	— 5.6	40	ne.	11	5	.....	0	0	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.34	719.7	30.01	762.2	53.6	12.0	79	calm	0	0	.....	.....	8 k	.....	.....	.....	.....	.....	Terch, A. st
Tiflis	28.50	724.0	29.94	760.4	48.4	9.1	57	ese.	2	1	.....	.....	10 n	.....	.....	.....	.....	light rain	Physical Observatory
Vernoe	27.45	697.1	30.02	762.6	36.1	2.3	66	calm	0	0	.....	.....	10 n	.....	.....	0	0	.....	Larlono.
Viatka	29.93	760.3	30.62	777.7	18.3	— 7.6	46	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	29.92	759 9	29.98	761.6	10.6	—11.9	65	n.	22	10	.....	.....	2 k	.....	.....	0	0	.....	
Warsaw	29.80	756.8	30.24	768 0	36.0	2.2	62	se.	20	9	.....	0	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.91	759.6	30.23	767.8	— 0.8	—18.2	61	calm	0	0	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.98	761.5	30.53	775.4	24.2	— 4.3	48	ne.	10.5	4.7	.....	1	0	.....	.....	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.73	755.2	29.84	758.0	58.1	14.5	91	e.	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	B. Jelin.
Bilbao, Met. Obs'y	29.92	760.0	29.98	761 5	51.1	10.6	93	se.	1.8	0.8	.....	.....	10	.....	.....	1.795	45.6	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26 95	684.6	30.04	762.9	35.6	2.0	96	n	6.3	2.8	.....	.....	10	.....	.....	0.984	25.0	covered	Domingo Martin.
Madrid, Royal Obs'y	27.65	702 4	29.91	759.7	49.3	9.6	59	nw.	13.2	5.9	.....	.....	9	.....	.....	0.575	14.6	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.57	751.1	29.72	755.0	62.1	16.7	65	nnw.	6.3	2.8	.....	3	5	s.	.....	0 012	0.3	misty	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.02	737 1	29.92	760.0	53.4	11.9	80	s.	4.9	2.2	.....	.....	10	.....	.....	0.098	2.5	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.06	763.5	30.13	765.2	70.7	21.5	88	ese.	2.5	1.1	.....	0	k;s	.....	s.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	30.00	761.9	30.06	763.4	77.2	25.1	69	ese.	11.0	4.9	.....	2 c	1 ks	.....	.....	0	0	fair	F. F. Faura, S. J.
San Fernando, Naval Obs'y	30.04	763.0	30.14	765.5	57.9	14.4	63	wnw.	11.9	5.3	.....	0	0	.....	w.	0.050	1.3	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.07	763.8	30.16	766.1	75.6	24.2	73	e.	2.7	1.2	.....	3 kn	5 kn	se.	se.	0.016	0.4	cloudy	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.05	763.3	30.09	764.3	18.0	— 7.8	89	s.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Umea	29.93	760 3	29.98	761.6	27.0	— 2.8	87	s.	.....	.....	7	.....	10	.....	.....	0.291	7.4	.....	
Hernosand	29.80	757.0	29.85	758.3	30.2	— 1.0	100	se.	.....	.....	8	.....	10	.....	.....	0	0	.....	
Stockholm	29.74	755.3	29.91	759.8	32.4	0.2	96	s.	.....	.....	7	.....	10	.....	.....	0.004	0.1	snowing	
Wisby	29.93	760.1	29.98	761.6	36.0	2.2	68	sse.	.....	.....	7	.....	10	.....	.....	0	0	.....	
Sub-series																			
Upsala	29.76	755.9	29.85	758.1	32.0	0.0	98	sse.	21.3	9.5	.....	.....	10	.....	.....	0.843	21.4	snowing	H.H.Hildebrandsson
SWISS																			
Geneva	28.48	723.4	29.88	759.0	62.2	16.8	38	wsw.	.....	.....	1	.....	10	.....	.....	inap.	inap.	covered	
TURKISH.																			
Constantinople	.....	.....	30.11	764.8	50.9	10.5	53	se.	3	1.5	.....	.....	10	.....	sw.	0.213	5.4	.....	The Observatory.
Valona	.....	.....	30.18?	766.6?	62.8	17.1	.....	nw.	.....	.....	2	.....	5	.....	.....	0	0	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.94	760.5	61.5	16.4	54	sw.	.....	.....	3	.....	3 n	.....	sw.	0.14	3.6	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	29.77	756.1	29.86	758.4	48.2	9.0	76	s.	8	3.6	.....	.....	10 s	.....	s.	0.31	7.9	cloudy	J. O. Barnes.
Alpena, Michigan	28.86	733 0	29.56	750.8	27.3	— 2.6	77	sw.	21	9.4	.....	6 k	2 s	w.	.....	0.05	1.3	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.02	635.5	30.04	763.0	27.6	— 2.4	75	e.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assiniaboine, Ft., Montana	26.88	682.7	29.90	759.4	4.4	—15.3	100	calm	0	0	.....	.....	10 s	.....	.....	.....	.....	cloudy	J.J.O'Connor.
Atlanta, Georgia	28.86	733 0	30.08	764.0	58.0	14.4	94	sw.	7	3.1	.....	.....	10 n	.....	.....	0.46	11.7	thund'r st'm	S. W. Beall.
Atlantic City, New Jersey	30.01	702.2	30.02	762.5	41.0	5.0	92	s.	12	5.4	.....	10 k	0	s.	.....	0	0	cloudy	B.A.Blundon.
Augusta, Georgia	29.91	759.7	30.11	764 8	06	18.9	84	s.	6	2.7	.....	6 cs	4 ks	.....	s.	0	0	cloudy	W.J.Evans.
Baltimore, Maryland	29.92	760.0	29.97	761.2	51.0	10.5	83	se.	5	2.2	.....	.....	10 s	.....	sw.	0	0	cloudy	Geo. W. Feiger.
Barnegat City, New Jersey	29.98	761.5	30.00	762.0	45.0	7.2	88	sw.	27	12.1	.....	3 ck	6 s;hz	sw	sw.	0.01	0.3	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.25	717.5	29.95	760.7	7.3	—13.7	55	nw.	2	0.9	.....	3 k	2 s	nw.	nw.	inap	inap.	fair	A. Pritchard.
Benton, Fort, Montana	27.12	688.8	30.10	764.5	35.1	1.7	84	calm	0	0	.....	.....	0	.....	.....	0	0	clear	C.S.Bennett.
Bismarck, Dakota	27.93	709.4	29.85	758.2	— 0 6	—18.1	95	nw.	5	2.2	.....	0	0	.....	.....	0.02	0.5	clear	B. O. Lenoir.
Block Island, Rhode Island	30.03	762.7	30.06	763.5	48.0	8.9	89	sw.	19	8.5	.....	0	8 s	.....	sw.	0	0	cloudy	J. T. Elker.
Boise City, Idaho	27.21	691.1	30.13	765 3	36.5	2.5	90	ne.	1	0.4	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	James Kenealy.
Boston, Massachusetts	29.82	757.4	29.98	761 5	46.0	7.8	93	sw.	16	7.2	.....	2 ck	5 s	sw.	.....	0.04	1.0	fair	O. B. Cole.
Brownsville, Texas	29.86	758.4	29.92	760 0	68.0	20.0	73	n.	13	5.8	.....	.....	10 s	.....	n.	0	0	cloudy	John McGlone.
Buffalo, New York	28.96	735.6	29.76	755.9	34 7	1.5	85	sw.	32	14.3	.....	.....	10 s	.....	sw.	1.05	26.7	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	27.78	705.6	29.94	760.5	— 9	—22.8	74	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.83	757.7	30.25	768.3	37.8	3.2	64	nw.	4	1.8	.....	0	0	.....	.....	0.24	6.1	clear	W. H Ray.
Canby, Fort, Washington Ter	29.86	758.4	30.06	763.5	42.2	5.7	83	w.	8	3.6	.....	7 cs	fg.	nw.	.....	0.25	6.3	fair	J.H.Young.
Cape Henry, Virginia	30.07	763.8	30.09	764.3	61.5	16.4	78	s.	17	7.6	.....	.....	10 s	.....	.....	0	0	cloudy	A. K. Alderson.
Cape May, New Jersey	29.96	761 0	30.00	762 0	44.0	6.7	87	s.	29	13.0	.....	.....	10 s	.....	s.	0	0	cloudy	W.E.Smith.
Cape Mendocino, California	29.52	749.8	30.21	767.3	43.5	6.4	87	se.	9	4.0	.....	0	5 s	.....	se.	0	0	fair	A. P. Leavitt.
Cedar Keys, Florida	30.12	765.0	30.14	765.5	68.0	20.0	92	se.	11	4.9	.....	3 c	0	s.	.....	0.12	3.0	clear	G. W. Davis.
Charleston, S. Carolina	30.06	763 5	30.12	765.0	64.0	17.8	93	sw.	10	4.5	.....	.....	10 s	.....	sw	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.18	741 2	30.06	763.5	62.0	16.7	91	s.	20	8.9	.....	.....	10 s	.....	s.	0	0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.33	745.0	30.18	766.6	48.5	9.2	63	n.	7	3.1	.....	.....	10 s	.....	w.	2.10	53.3	cloudy	B. L. Gouldins.
Cheyenne, Wyoming	23.81	604.8	30.01	762.2	23.1	— 4.9	56	w.	32	14.3	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.18	741 2	29.92	760 0	23.6	— 4.7	68	w.	21	9.4	.....	0	0	.....	.....	0.04	1.0	clear	Wm. Norrington.
Chincoteague, Virginia	30.06	763.5	30.08	764.0	46.8	8.2	94	s.	12	5.4	.....	.....	10 ks;hz	.....	.....	0	0	cloudy	C. F. Dickens
Cincinnati, Ohio	29.39	746.5	30.08	764.0	39.8	4.3	78	w.	10	4.5	.....	0	2 s	.....	.....	0.81	20.6	clear	L. Dunne.
Cleveland, Ohio	29.10	739 1	29.88	758.9	34.8	1.6	70	sw.	18	8.0	.....	.....	10 s	.....	sw.	0.55	14.0	cloudy	W. Line.
Columbus, Ohio	29.10	739.1	29.99	761.7	34.5	1.4	70	sw.	16	7.2	.....	.....	10 s	.....	sw.	0.85	21.6	cloudy	F.T. Williams
Concho, Fort, Texas	28 24	717.3	30.21	767.3	41.0	5.0	59	ne.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	O. E. King.
Custer, Fort, Montana	26.58	675 1	29.91	759.7	27.3	— 2.6	84	w.	7	3.1	.....	.....	8 ks	.....	.....	0	0	cloudy	W.J.Daily.
Davenport, Iowa	29.34	745 2	30.03	762.7	22.7	— 5.2	65	w.	16	7.2	.....	hz.	0	.....	.....	inap.	inap.	clear	R. R. Martin.
Davis, Fort, Texas	25.20	640.1	30.07	763.8	40.4	4.7	85	sw.	4	1.8	.....	.....	10 ks	.....	sw.	0	0	cloudy	J Williams.
Dayton, Washington Ty	28.20	716.3	30.02	762.5	36.9	2.7	75	sw.	12	5.4	.....	.....	10 s	.....	.....	0.06	1.5	cloudy	T. Gibson.
Deadwood, Dakota	25 14	638.5	29.98	761 5	25.0	— 3.9	88	sw	8	3.6	.....	5 c	0	w.	.....	0.02	0.5	fair	G.W.Scott.
Delaware Breakwater, Del	30.02	762 5	30.04	763.0	55.4	13.0	75	sw.	31	13.9	.....	0	8 s	.....	sw.	0	0	cloudy	G.A.Martin.
Denver, Colorado	24.65	626.1	30.09	764.3	31.4	— 0.3	35	calm	0	0	.....	0	5 s	.....	.....	0	0	fair	F. M. Neal.
Des Moines, Iowa	29.10	739.1	30.06	763.5	22	— 5.6	73	w.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	F. W. Conrad.
Detroit, Michigan	29.07	738.4	29.82	757.4	33.3	0.7	78	sw.	21	9.4	.....	8 ck	0	sw.	.....	0.02	0.5	cloudy	N.B.Conger.
Dodge City, Kansas	27.51	698 7	30.24	768.1	21.5	— 5.8	56	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.24	742.7	29.99	761.7	13.3	—10.4	50	sw.	11	4.9	.....	0	3 s	.....	s.	0.02	0.5	clear	J. Harvey Smith
Duluth, Minnesota	28.80	731.5	29.59	751.6	8.5	—13.1	62	sw.	8	3.6	.....	.....	10 n	.....	w.	0.29	7.4	light snow	E.R.Brace.
Eastport, Maine	29.90	759.4	29.97	761.2	36.8	2.7	90	s.	6	2.7	.....	.....	10n;fg	.....	s.	0.09	2.3	light rain	D. C. Murphy.
Elliott, Fort, Texas	27.36	694.9	30.19	766.8	21.5	— 5.8	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
El Paso, Texas	26.24	666.5	30.04	763.0	46.0	7.8	19	ne.	4	1.8	.....	8 cs	1 s	.....	.....	0	0	cloudy	F. Belford.
Erie, Pennsylvania	29.05	737.9	29.82	757 4	36.5	2.5	80	sw.	23	10.3	.....	.....	10 s	.....	sw.	1.15	29.2	cloudy	P. Wood.
Escanaba, Michigan	28.79	731.3	29.50	749 3	19 0	— 7.2	91	sw.	14	6.3	.....	.....	10 s	.....	s.	0.15	3.8	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.74	755 4	30.22	767.6	33.5	0.8	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.04	763.0	30.08	764.0	58.3	14.6	48	ne.	18	8.0	.....	.....	10 ks	.....	sw.	0.20	5.1	cloudy	E. O'C. Machenery
Grand Haven, Michigan	29.12	739.6	29.82	757.4	23.2	— 4.9	88	sw.	36	16.1	.....	0	9 s	.....	sw.	0.01	0.3	cloudy	Joseph E. Muetter.
Grant, Fort, Arizona	25.16	639.1	29.99	761.7	37.4	3.0	65	ne.	1	0.4	.....	1 ck	0	s.	.....	0	0	clear	Chas. A. Read.
Hatteras North Carolina	30.16	766.1	30.17	766.3	59.0	15.0	81	s.	15	6.7	.....	6 k	3 k	s.	sw.	0	0	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.58	649.7	29.90	759.4	30	— 1.1	88	W.	9	4.0		6 k	0			0	0	fair	S. W. Morrison.
Huron, Dakota	28.47	723.1	29.95	760.7	9.0	—12.8	80	W.	4	1.8		7 cs	0	W.		0.01	0.3	fair	S. W. Glenn.
Indianapolis, Indiana	29.20	741.7	30.04	763.0	30.0	— 1.1	57	W.	11	4.9		0	0			0.85	21.6	clear	C. F. R. Wappenhans
Indianola, Texas	30.00	762.0	30.03	762.7	61.2	16.2	38	ne.	36	16.1		4 k	4 ks	W.	W.	0.21	5.3	cloudy	I. A. Reed.
Jacksonville Florida	30.10	764.5	30.15	765.8	58.0	20.0	92	s.	12	5.4		2 cs	8 s		s.	inap.	inap.	cloudy	J. W. Smith.
Keokuk, Iowa	29.42	747.3	30.11	764.8	26.0	— 3.3	77	W.	5	2.2		0	0			0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.11	764.8	30.13	765.3	74.5	23.0	85	se.	10	4.5		0	2 k		se.	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.11	764.8	30.13	765.3	58.0	14.4	82	sw.	20	8.9		2 ck	hz.	sw.		0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.12	739.6	30.18	766.6	43.2	6.2	90	calm	0	0			10 s		sw.	1.82	46.2	cloudy	J. A. Ody.
La Crosse, Wisconsin	29.08	738.6	29.90	759.4	9.4	—12.6	76	sw.	16	7.2		0	0			0.04	1.0	clear	S. C. Emery.
Leavenworth, Kansas	29.22	742.2	30.16	766.1	30	— 1.1	70	s.	2	0.9		0	0			0	0	clear	C. Dill.
Lewiston, Idaho	29.14	740.1	30.00	762.0	41.0	5.0	65	ne.	1	0.4		6 k	0			0	0	fair	C. E. Butler.
Little Rock, Arkansas	29.90	759.4	30.23	767.8	42.0	5.6	65	n	2	0.9		0	0			0	0	clear	W. U. Simons.
Los Angeles, California	29 76	755.9	30.16	766.1	43.5	6.4	68	ne.	5	2.2		0	0			0	0	clear	T. S. Collins.
Louisville, Kentucky	29.55	750.6	30.14	765.5	39.0	3.9	66	sw.	10	4.5		0	2 s		sw.	1.08	27.4	clear	E. B. Garriott.
Lynchburg, Virginia	29.25	742.9	29.97	761.2	60.0	15.6	78	s.	11	4.9			10 s		s.	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	28.82	732.0	29.52	749.8	24.0	— 4.4	88	sw.	33	14.8			10 n		sw.	0.13	3.3	light snow	D. B. Notson.
Macon, Fort, North Carolina	30.17	766.3	30.18	766.6	58.8	14.9	90	s.	18	8.0			10 s		s.	0	0	cloudy	William Daly.
Maginnis, Fort, Montana					28.3	— 2.1	59	nw.	21	9.4			10 s		nw.	0	0	cloudy	F. Burke.
Marquette, Michigan	28.64	727.4	29.41	747.0	25.5	— 3.6	94	sw.	16	7.2			10 n		sw.	0.35	8.9	light snow	J. Gilligan.
Memphis, Tennessee	29.85	758.4	30.21	767.3	42.3	5.7	40	nw.	4	1.8		0	0			0.57	14.5	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.02	737.1	29.81	757.2	15.1	— 9.4	73	w.	30	13.4		0	8 s		w.	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	30.01	762.2	30.05	763.3	63	17.2	93	e.	3	1.3		0	9 s		sw.	0.27	6.9	cloudy	H. U. Jones.
Montgomery, Alabama	29.82	757.4	30.06	763.5	59	15.0	93	ne.	3	1.3			10ks;s		ne.	0.85	21.6	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.69	728.7	29.77	756.1	— 8	—22.2	91	W.	5	2.2		0	0			0.15	3.8	clear	H. Bessant.
Mt. Washington, N. H	23.56	598.4	30.08	764.0	35.3	1.8	100	sw.	70	31.2			10 n		sw.	0.30	7.6	light rain	J. H. Melton.
Nashville, Tennessee	29.62	752.3	30.22	767.6	44.0	6.7	60	nw.	9	4.0		8 cs	0	sw.		1.06	26.9	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.88	758.9	30.00	762.0	44	6.7	93	sw.	14	6.3			10s;hz		sw.	0	0	cloudy	J. H. Sherman.
New London, Connecticut	30.00	762.0	30.00	763.5	45.0	7.2	93	s.	10	4.5			10 s		sw.	0.02	0.5	cloudy	J. G. Lynon.
New Orleans, Louisiana	30.00	762.0	30.06	763.5	62.0	16.7	78	n.	0	2.7			10 s		n.	0	0	cloudy	M. Herman.
New York, New York	29.81	757.2	29.99	761.7	47	8.3	86	se.	7	3.1			10s;fg			inap.	inap	cloudy	W. Finn.
Norfolk, Virginia	30.04	763.0	30.06	763.5	60.0	15.6	75	s.	16	7.2			10 s			0	0	cloudy	Wm. Davis.
North Platte, Nebraska	27.01	686.0	30.07	763.8	27.6	— 2.4	78	W.	7	3.1		0	0			0	0	clear	E. F. Brady.
Olympia, Washington Ter	30.00	762.0	30.04	763 0	40.0	4.4	89	s.	5	2.2			10 n		sw.	0.44	11.2	light rain	J. Dascomb.
Omaha, Nebraska	28.84	732.5	30.09	764.3	26.0	— 3.3	74	sw.	8	3.6		0	0			0.07	1.8	clear	A. Pollak
Oswego, New York	29.32	744 7	29.66	753.4	49.0	9.4	77	s.	15	6.7			10 s		sw.	0.86	21.8	cloudy	J. G. Linsley.
Palestine, Texas	29.64	752.8	30.21	767.3	50.4	10.2	70	ne.	13	5.8		0	4 s			0	0	fair	P. T. Jenkins.
Pensacola, Florida	30.00	762.0	30.03	762.7	65.3	18.5	91	n.	7	3.1			10 n		n.	inap.	inap.	light rain	M. McGauran.
Philadelphia, Pa	29.88	758.9	29.98	761.5	54.0	12.2	86	sw.	3	1.3		4 cs	5 k		sw.	0.01	0.3	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.44	443.0	30.02	762.5	—10.0	—23.3	70	W.	40	17.9		0	0			0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.00	736.6	29.85	758.2	47.3	8.5	86	sw.	12	5 4			10 n		s.; w.	0.30	7.6	light rain	O. D. Stewart
Port Huron, Michigan	29.03	737.3	29.75	755.6	30.3	— 0.9	80	W.	24	10.7		0	8 ks		w.	0.14	3.6	cloudy	M. H. Perry
Portland, Maine	29.88	758.9	29.93	760.2	40.0	4.4	89	sw.	4	1.8			fg.			0.11	2.8	dense fog	W. W. Eichelberger.
Portland, Oregon	30.00	762.0	30.07	763.8	42.6	5.9	90	s	4	1.8			10 ks		sw	0.15	3.8	cloudy	M. L. Hearne.
Prescott, Arizona	24.75	628.6	30.09	764.3	26.0	— 3.3	88	sw.	2	0.9		0	0			0	0	clear	N. D. Lane.
Provincetown, Mass	30.02	762.5	30.05	763.3	42.9	6.1	94	sw.	18	8.0		0	9 ks		sw.	0	0	cloudy	C. N. Kitchel.
Red Bluff, California	29.88	758.9	30.26	768.6	36	2.2	96	nw.	4	1.8		0	0			0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.78	756.4	30.02	762.5	67.0	19.4	32	ne.	16	7.2			10 s		n.	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	28.98	736.1	29.68	753.9	46	7.8	83	W.	23	10.3			10 s		W.	0 43	10.9	threatening	E. W. McGann.
Roseburg, Oregon	29.61	752.1	30.17	766.3	43.2	6.2	76	sw.	1	0.4			10 s		sw.	inap.	inap.	threatening	J. J. Naury.
Sacramento, California	30.16	766.1	30.23	767.8	41.5	5.3	92	se.	3	1.3		0	0			0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.53	750.0	30.18	766.6	37.0	2.8	72	W.	11	4.9		0	sk.			0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.34	745.2	29.37	746.0	18	— 7.8	91	ne.	10	4.5			10 ks		ne.	0	c	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	28.90	734.0	29.81	757 2	6.5	—14.2	52	W.	10	4.5		0	0			0.14	3.6	clear	P. F Lyons.
St. Vincent, Minnesota	28.72	729.5	29.66	753.4	— 6	—21.1	83	nw.	15	6.7		0	0			0.03	0.8	clear	C. B. Dilley.
Salt Lake City, Utah	25.66	651.8	30.18	766.6	29.3	— 1.5	56	se.	4	1.8		10 k	0	sw.		inap.	inap.	cloudy	J. Craig.
San Diego, California	30.05	763.3	30.12	765.0	45.7	7.6	83	ne.	7	3.1		0	0			0	0	clear	F. R. Day.
Sandusky, Ohio	29.16	740.7	29.88	758.9	34	1.1	60	W.	22	9.8			10 ks		W.	0.47	11.9	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.96	761.0	30.00	762.0	51.2	10.7	80	s.	14	6.3		10 cs	0			0.01	0.3	cloudy	V. P. Chappel.
Sanford, Florida	30.10	764.5	30.15	765.8	66.0	18.9	93	calm	0	0		0	fg.			0	0	clear	J. B. Marbury
San Francisco, California	30.16	766.1	30.23	767.8	46.9	8.3	86	e.	5	2.2		0	0			0	0	clear	N. Gorom.
Savannah, Georgia	30.03	762.7	30.12	765.0	66	18.9	90	s.	8	3.6			10 s		s.	0	0	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.15	664.2	29.95	760.7	27.5	— 2.5	72	sw.	13	5.8		6 cs	0			0	0	fair	A. L. Mathews.
Shreveport, Louisiana	30.00	762.0	30.17	766.3	49.0	9.4	40	ne.	6	2.7			9 s		ne.	0.23	5.8	cloudy	E. N. Meeklns.
Sitka, Alaska	29.66	753.4	29.72	754.9	31.0	— 0.6	78	e.	8	3.6			8 ks		e.	0	0	cloudy	F. W. Pickett.
Smithville North Carolina	30.11	764.8	30.15	765.8	60.5	15.8	88	s.	16	7.2		2 cs	6 s		sw.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.81	706.4	29.94	760.5	31.8	— 0.1	85	sw.	4	1.8		0	0			0	0	clear	D. Moore.
Springfield, Illinois	29.40	746.7	30.12	765.0	29.5	— 1.4	77	W.	10	4.5		0	0			inap.	inap.	clear	T. B. Jennings.
Stockton, Fort, Texas	27.02	686.3	30.10	764.5	45.0	7.2	49	calm	0	0			10 s			0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.90	759 4	30.00	762.0	39.5	4.2	78	W.	16	7.2		0	9 ks		W.	0.24	6.1	cloudy	R. Connor.
Thomas, Camp, Arizona	27.30	693.4	30.08	764.0	37.2	2.9	81	calm			0	0	hz.			0	0	clear	R. C. Lord.
Toledo, Ohio	29.12	739.6	29.86	758.4	33.7	0.9	81	W.	24	10.7		0	8 k		W.	0.11	2.8	clearing	A. Buell.
Unalashka, Alaska	29.33	745.0	29.35	745.5	36	2.2	79	sw.	12	5.4			10 n		sw.	0.29	7.4	light rain	Samuel Applegate.
Vicksburg, Mississippi	29.95	760.7	30.21	767.3	50	10.0	44	n.	10	4.5			10 s		W.	1.20	32.0	cloudy	F. W. Mixer.
Washington, D. C	29.82	757.4	29.94	760.5	55.2	12.9	81	s.	12	5.4			10 s		sw	0	0	cloudy	T. B. Harrison.
West Las Animas, Colorado	26.04	661.4	30.11	764.8	19	— 7.2	51	W.	3	1.3		6 c	0	W.		0	0	fair	F. H. Brandenburg.
Wilmington, N Carolina	30.08	764.0	30.14	765.5	63.8	17.7	84	s.	11	4.9			10 s		sw.	0	0	cloudy	L. H. Albrecht.
Yankton, Dakota	28.63	727.2	30.02	762.5	16.2	— 8.8	75	W.	4	1.8		0	0			inap.	inap.	clear	E. H. Thompson.
Yuma, Arizona	29.92	760.0	30.07	763.8	51.6	10.9	33	sw.	3	1.3		0	0			0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.03	752.6	29.65	753.1	27.0	— 2.4	93	n.	22	9.8			10 n		n.	0.01	0.3	cloudy	George Cherunick.
Bluefields, Nicaragua, C. A					78	25.6		nw.			3	0	5 k		ne.	0	0	fair	W. H. Jackson.
Bogota, U. S. C	22.00	558.9			53.6	12.0	93	calm	0	0			10 pk		ne.	0	0		Joaquin Gomez.
Chimo, Fort, Ungava	30.02	762.5	30.18	766.6	—22	—30 0	100	calm	0	0		0	0			0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I			30.12	765.0	70.0	21.1	88	calm	0	0		1 cs	1 s		e.	0	0	clear	Robert Johnstone.
Paramaribo, S. A	30.02	762.5	30.02	762.5	76	24.4	91	ne.			3		10 n	ne.	e.	1.440	36.6	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.45	748.0	30.01	762.2	77	25.0	89	calm			0	7 ck	3 ks	calm	calm	0.02	0.5	cloudy	Francisco J. Olsnores.
Rivas, Nicaragua, C. A					74.5	23.6	84	ne.			2					0	0	clear	Earl Flint.
York Factory, B. A	29.91	759.7	29.98	761.5	—28.0	—33.3		nw.	18	8.0		2 c	0	nw.		0	0		Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.02	762.4	30.02	762.6	77.0	25.0	85	n.	8.9	4.0			7 k		n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	29.95	760.8	30.02	762.5	72.7	22.6	91	n.			4					0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
										Upper.	Lower.	Upper.	Lower.					
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Assyrian Monarch, N. 40° 13′, W. 52° 58′	.....	.....	52	11.1	.....	nnw.	.....	.....	5	.....	5	.....	nnw.	2 h'r	2 h'r	high	nnw.	fair.
S. S. Arizona, off Fastnet, Ireland	29.45	748.0	48	8.9	.....	sw.	.....	.....	6	.....	3	.....	w.	o	o	mod.	sw.	squally.
S. Armenia, N. 41° 30′, W. 57° 10′ *	30.39	771.9	48	8.9	85	w.	.....	.....	3	.....	10	.....	nw.	o	o	mod.	nw.	overcast.
S. S. Antonio Lopez, San Juan, Porto Rico	30.20	767.1	75	23.9	77	e.	.....	.....	5	.....	4	.....	.....	1 h'r	1 h'r	.....	.....	fair.
S. S. America, Start Pt. Eng *	29.73	755.1	52	11.1	79	sw.	.....	.....	4	.....	4?	.....	sw.	1 h'r	1 h'r	sm'h	sw.	covered.†
S. S. Athos, Savanilla, U. S. C.	.....	.....	.....	.....	.....	ese.	.....	.....	4	.....	o	.....	.....	o	o	.....	.....	clear.
S. S. Bothnia, N. 50° 32′, W. 25° 18′	28.83	732.3	52	11.1	.....	s.	.....	.....	5	.....	10	.....	.....	6 h'r	6 h'r	long	sw.	heavy rain.
S. S. British Princess, Old Head, Kinsale, Ireland†	29.53	750.0	.....	.....	.....	s.	.....	.....	7	.....	10	.....	.....	8 h'r	8 h'r	10	sw.	squally.
S. S. Caracas, La Guayra, Venezuela*†	30.10	764.5	76.5	24.7	84	calm	.....	.....	o	.....	.....	.....	.....	light	light	mod.	nne.	showery.
S. S. Celtic, off Waterford, Ireland†	29.52	749.8	59	15.0	82	ssw.	.....	.....	6	.....	4	.....	ssw.	3 h'r	3 h'r	mod.	wsw.	fine.
S. Dora, N. 38° 49′, W. 56° 40′ *†	30.50	774.7	51.8	11.0	.....	nw.	.....	.....	2	.....	4	.....	nw.	o	o	light	nnw.	blue sky.
S. S. Donau, N. 41° 51′, W. 58° 19′	30.42	772.7	.....	.....	.....	ssw.	.....	.....	4	.....	2	.....	w.	.....	.....	light	w.	clear.
S. S. Canada, (Fr) N. 49° 08′, W. 25° 06′	28.92	734.5	.....	.....	.....	sw.	.....	.....	6	.....	s.	.....	sw.	.....	.....	large	sw.	
S. S. England, River Mersey, Eng.	.....	.....	.....	.....	.....	sse.	.....	.....	5	.....	5	.....	se.	o	o	.....	.....	fair.
S. S. France, (Br.) N. 46° 36′, W. 29° 44′	.....	.....	.....	.....	.....	wsw.	.....	.....	7	.....	6	.....	wsw.	rain	rain	large	wsw.	fair.
Bk. Fred W. Carlon, N. 24° 56′, W. 80° 35′†	30.21	767.3	.....	.....	.....	ese.	.....	.....	5	.....	2	.....	se.	o	o	mod.	e.	fair.
S. S. Gellert, New York, N. Y.	.....	.....	.....	.....	.....	w.	.....	.....	2	.....	2	.....	w.	o	o	.....	.....	clear.
Bk. Godeffroy, N. 36° 15′, W. 72° 45′	30.20	767.1	66.9	19.4	72	ssw.	.....	.....	5-6	.....	9	.....	.....	o	o	mod.	ssw.	cloudy.
S. S. George St. Thomas, N. 19° 05′, W. 54° 42′	.....	.....	.....	.....	.....	ene.	.....	.....	3	.....	3	.....	ese.	1 h'r	1 h'r	mod.	ene.	clear.
S. S. Greece, N. 49° 04′, W. 16° 51′ †	29.50	749.3	51	10.6	.....	sw.	.....	.....	6	.....	8	.....	sw.	o	o	r'gh	sw.	squally.
S. S. Iowa, N. 49° 31′, W. 22° 56′†	29.00	736.6	51	10.6	.....	sse.	.....	.....	6	.....	9	.....	s.	7 h'r	7 h'r	r'gh	w.	raining.
S. S. Lord Clive, N. 49° 18′, W. 23° 42′	.....	.....	.....	.....	.....	sw.	.....	.....	6	.....	10	.....	sw.	.....	.....	cross	var.	raining.
S. S. Lampassas, N. 25° 35′, W. 80° 04′	30.25	768.3	71	21.7	.....	ese.	.....	.....	4	.....	4	.....	se.	3 h'r	3 h'r	short	se.	fair.
Bg. L. F. Munson, Matanzas, Cuba, W.I*†	30.18	766.6	74	23.3	.....	calm	.....	.....	o	.....	o	.....	.....	o	o	.....	.....	clear.
Bg. Lilian, N. 36° 30′, W. 75° 00′†	30.15	765.8	62	16.7	.....	s.	.....	.....	5	.....	2	.....	s;se.	o	o	mod.	s;se.	hazy.
S. S. Nurnberg, N. 40° 56′, W. 67° 04′	.....	.....	46.4	8.0	.....	ssw.	.....	.....	3	.....	7	.....	sw.	o	o	sm'h	sw.	covered.
S. S. Nessmore, Liverpool, Eng.	29.64	752.8	49	9.4	93	nnw.	.....	.....	4	.....	3	.....	nnw.	4 h'r	4 h'r	.....	.....	dull.
Schr. Norena, N. 34° 50′, W. 71° 47′	.....	.....	.....	.....	.....	ssw.	.....	.....	4	.....	10	.....	ne.	o	o	high	nw;n	cloudy.
S. S. Orinoco, Hamilton, Bermuda	30.43	772 9	66	18.9	.....	se.	.....	.....	1	.....	8	.....	se.	o	o	.....	.....	cloudy.
Bk. Orpheus, N. 41° 42′, W. 51° 33′	30.25	768.3	36	2.2	.....	nw.	.....	.....	5	.....	4 k	.....	n.	o	o	mod.	wnw.	fair.
S. S. Pavonia, Sandy Hook, N. J.	29.98	761.5	45	7.2	84	se.	.....	.....	2	.....	8	.....	.....	o	o	sm'h	.....	overcast.
S. S. Pennsylvania, N. 47° 40′, W. 31° 09′ †	28.73	729.7	53	11.7	86	wsw.	.....	.....	7	.....	8	.....	sw.	3 h'r	3 h'r	mod.	ne.	cloudy.
S. S. Rhaetia, N. 48° 02′, W. 29° 57′	28.67	728.2	49	9.4	.....	sw.	.....	.....	9	.....	10	.....	wsw.	rain	rain	hv'y	wsw.	squally.
Bg. Rising Sun, N. 36° 51′, W. 75° 00′ *†	30.15	765.8	58	14.4	.....	s.	.....	.....	5	.....	10	.....	sw.	o	o	long	s.	cloudy.
S. S. Salier, N. 50° 11′, W. 3° 34′	29.72	754.9	.....	.....	.....	s.	.....	.....	4	.....	5	.....	s.	o	o	sm'h	sw.	fair.
S. S. Silesia, N. 46° 31′, W. 35° 29′	.....	.....	45	7.2	92	w.	.....	.....	6-7	.....	10	.....	w.	snow	snow	10	w.	hurricane.
Bg. Teneriffe, N. 25° 32′, W. 79° 35′	.....	.....	.....	.....	.....	se.	.....	.....	4	.....	2	.....	se.	o	o	.....	ne.	clear.
S. S. Westernland, N. 49° 08′, W. 21° 41′	.....	.....	53	11.7	93	s.	.....	.....	7	.....	10	.....	s.	8 h'r	8 h'r	high	w.	raining.
S. S. W. A Scholten, N. 45° 16′, W. 43° 33′	.....	.....	45.5	7.5	84	nw.	.....	.....	10	.....	10	.....	nw.	1 h'r	1 h'r	10	w;nw	squally.
S. S. Zeeland, N. 47° 03′, W. 29° 04′ *†	28.90	734.0	50	10.0	.....	wsw.	.....	.....	9	.....	10	.....	wsw.	10 h'r	10 h'r	high	wsw.	
S. S. Australia, N. 41° 28′, W. 57° 14′†	30.37	771.4	48	8.9	.....	sw.	.....	.....	4	.....	8	.....	sw.	o	o	sm'h	w.	cloudy.
Bk. George Davis, N. 54° 48′, E. 7° 30′ *†	29.72	754.9	.....	.....	.....	calm	.....	.....	o	.....	.....	.....	w.	2 h'r	2 h'r	.....	.....	cloudy.
Schr Adda Doane, Baltimore, Md. †	29.92	760.0	.....	.....	.....	s.	.....	.....	2	.....	9	.....	sw.	o	o	sm'h	.....	cloudy.
S. S. Baltic, N. 40° 44′, W. 48° 17′ *†	30.09	764.3	.....	.....	.....	nw.	.....	.....	6	.....	5	.....	nw.	o	o	h'vy	cross	fair.
S. S. Chalmette, N. 26° 33′, W. 80° 02′ *†	30.21	767.3	75	23.9	.....	se.	.....	.....	5	.....	3	.....	se.	o	o	mod	sse.	clear
S. S. Erin, London, Eng.	.....	.....	57	13.9	.....	sw.	.....	.....	2	.....	o	.....	.....	o	o	.....	.....	clear.
S. S. Grecian, N. 46° 11′, W. 39° 40′	29.23	742.4	38	3 3	100	wnw.	.....	.....	10	.....	10	.....	.....	12 h'r	12 h'r	high	sw.	stormy.
Schr. James Slater, N. 10° 09′, W. 46° 14′	.....	.....	78	25.6	.....	ene.	.....	.....	5	.....	2	.....	s.	o	o	h'vy	.....	
Bg. John Wesley, N. 29° 18′, W. 73° 16′ *†	30.30	769.6	.....	.....	.....	se.	.....	.....	5	.....	7	.....	s.	o	o	mod.	ese.	fair.
S. S. Lone Star, N. 26° 30′, W. 85° 42′ *†	30.09	764.3	76	24.4	.....	se.	.....	.....	4	.....	3	.....	s.	o	o	mod	se.	squally.
S. S. Lessing, N. 46° 20′, W. 35° 20′	28.72	729.5	50	10.0	.....	w.	.....	.....	9	.....	8	.....	w.	4 h'r	4 h'r	h'vy	wsw.	squally.
S. S. Ohio, (Am) N. 39° 27′, W. 63° 34′	.....	.....	54.5	12.5	83	se.	.....	.....	2	.....	4	.....	sse.	o	o	mod.	se.	clear.
S. S. St. Laurent, N. 40° 35′, W. 69° 00′	.....	.....	53.6	12.0	.....	ssw.	.....	.....	3	.....	6	.....	sw.	o	o	sm'h	.....	fair.
Schr. Viola Reppard, N. 37° 07′, W. 71° 21′	.....	.....	63	17.2	.....	ssw.	.....	.....	7	.....	10	.....	ssw.	o	o	high	ne.	cloudy.
Bk. Western Chief, N. 48° 41′, W. 9° 24 *†	29.52	749.8	.....	.....	.....	w.	.....	.....	6	.....	9 n	.....	w.	.....	.....	5	w.	raining.
S. S. Werra, N. 45° 16′, W 40° 45′ *	29.36	745.8	40.1	4.5	.....	nw.	.....	.....	10	.....	10	.....	nw.	6 h'r	6 h'r	high	nw.	stormy.
U. S. Navy Yard, Portsmouth, N. H*	29.90	759.4	40	4.4	100	w.	5	2.2	.....	.....	10	.....	w.	e.15	3.8	.....	.....	cloudy.
U. S. S. Galena, N. 20° 39′, W. 74° 00′ *	30.10	764.5	76	24.4	77	e.	.....	.....	4	.....	5	.....	e.	.....	.....	mod	e.	fair.
U. S. S. New Hampshire, Newport, R. I.	30.07	763.8	47	8.3	.....	sw.	.....	.....	3	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Powhatan, Port Royal, S. C.	30.13	765.3	61	16.1	100	s.	.....	.....	2	.....	8	.....	ssw.	.....	.....	.....	.....	cloudy.
U. S. S. Quinnebaug, Leghorn, Italy	30.08	764.0	60	15.6	71	s.	.....	.....	2	.....	o	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Saratoga, N. 39° 05′, W. 68° 58′	30.24	768.1	53	11.7	100	ssw.	.....	.....	4	.....	10	.....	sw.	o	o	sm'h	.....	overcast.
U. S. S. Tennessee, Sacrificios Id. Gulf of Mexico	29.80	756.9	72	22.2	95	s.	13	5.8	.....	.....	5?	.....	se.	o	o	sli't	se.	clear.†
U. S. S. Yantic, N. 25° 54′, W. 77° 07′	.....	.....	73	22.8	90	ese.	.....	.....	4	.....	5	.....	.....	.....	.....	mod.	e.	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.14	765.5	67	19.4	74	ese.	.....	.....	1	.....	2	ese.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Alecto, N. 3° 46, E. 80° 47′	29.85	758.2	81	27.2	.....	nw.	.....	.....	2	.....	9	.....	.....	.....	.....	.....	.....	showery.
H. M. Dockyard, Bermuda, Atlantic	30.42	772.7	62	16.7	61	ese.	.....	.....	3	.....	5	ene.	.....	.....	.....	.....	.....	d. clouds,
H. M. S. Himalaya, N. 36° 27′, W. 0° 56′	29.93	760.2	61	16.1	71	sw.	.....	.....	4	.....	9	.....	.....	.....	.....	2	wsw.	d. clouds.
H. M. S. Minotaur, Syra, Greece	30.10	764.5	59	15.0	65	nnw.	.....	.....	1	.....	o	.....	.....	.....	.....	.....	.....	blue sky
H. M. S. Myrmidon, Malta, Mediterranean	.....	.....	61.5	16.4	74	ene.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Bengo, N. 13° 10′, W. 21° 58′	30.01	762.2	73.4	23.0	74	ne.	.....	.....	4	.....	5	.....	sw.	o	o	.....	.....	d clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.92	760.0	84.2	29.0	85	sse.	.....	.....	1	.....	10	.....	.....	4 h'r	4 h'r	1	se.	overcast
S. S. British Crown, N. 39° 40′, W. 63° 00′†	30.42	772.7	51	10.6	.....	s.	.....	.....	4	.....	4	.....	s.	o	o	sli't	s	fine.
S. S. Circassian, N. 41° 05′, W. 53° 20′	.....	.....	42	5.6	83	n	.....	.....	4	.....	4	.....	n.	.....	.....	5-6	nw.	d. clouds.
S. S. Scandinavian, Portland, Me	29.96	761.0	40	4.4	.....	ssw.	.....	.....	1	.....	10	.....	ssw.	2 h'r	2 h'r	.....	.....	overcast.
S. S. Ailsa, N. 38° 48′, W. 74° 04′	.....	.....	46.8	8.2	44	s.	.....	.....	5	.....	10	.....	s.	o	o	mod.	s.	covered.
S. S. Dorian, N. 37° 09′, E. 1° 00′	29.91	759.7	59	15.0	.....	sw.	.....	.....	6	.....	10	.....	sw.	sh'rs	sh'rs	mod.	sw.	cloudy.
S. S. Furnessia, off Fire Id, N. Y.	.....	.....	48	8.9	.....	s.	.....	.....	4	.....	10	.....	w.	o	o	mod.	nw.	dense mist.
S. S. Galatia, Marseille, France	.....	.....	65	18.3	.....	ssw.	.....	.....	3	.....	8	.....	ssw.	o	o	.....	.....	cloudy.
S. S. Carroll, Halifax, N.S *†	30.20	767.1	40	4.4	.....	sw.	.....	.....	2	.....	10	.....	sw.	rain	rain	.....	.....	light rain.
S. S. California, N. 40° 59′, W. 54° 13′ *†	30.42	772.7	49.2	9.6	.....	nnw.	.....	.....	5	.....	.....	.....	nnw.	o	o	mod.	nw.	clear.
S. S. Wyoming, N. 40° 41′, W. 68° 57′	30.19	766.8	46	7.8	.....	ssw.	.....	.....	4	.....	7	.....	wsw.	o	o	mod.	sse.	fair.
S. S. Bohemia, N. 46° 32′, W. 29° 03′	.....	.....	.....	.....	.....	var.	.....	.....	.....	.....	8	.....	var.	2 h'r	2 h'r	h'vy	var	cloudy.
S. S. Westphalia, N. 40° 30′, W. 52° 43′	.....	.....	49	9.4	.....	nnw.	.....	.....	5	.....	7	.....	nne.	o	o	long	nw.	cloudy.
S. S. Virginian, N. 45° 30′, W. 37° 00′	.....	.....	48	8.9	.....	nw.	.....	.....	7	.....	.....	.....	nw.	shr's	shr's	r'gh	nw.	
S. S. Archimedes, (Br.) N. 10° 01′, W. 30° 06′	29.95	760.7	.....	.....	.....	nne.	.....	.....	3	.....	2	.....	calm	o	o	light	n.	fine.
S. S. Teniers, N. 20° 49′, W. 22° 26′	30.15	765.8	68.0	20.0	66	nne.	.....	.....	6	4 ck	o	sw.	.....	o	o	con.	var.	blue sky
S. S. Archimede, (It.) New York, N. Y.	.....	.....	.....	.....	.....	se.	.....	.....	3	.....	6	.....	se.	1 h'r	1 h'r	.....	.....	hazy.
S. S. Picqua, Lisbon, Portugal †	30.10	764 5	55	12.8	74	wnw.	.....	.....	4	.....	.....	.....	wnw.	o	o	.....	.....	cloudy.
S. S. City of Merida, N. 23° 09′, W. 82° 22′	.....	.....	75.2	24.0	.....	sse.	.....	.....	2	.....	5	.....	e.	o	o	light	.....	fine.
S. S. Canada, (Br.) N. 39° 58′, W. 54° 51′	30.46	773.7	49	9.4	.....	n.	.....	.....	2	.....	8	.....	calm	o	o	long	nnw.	cloudy.
S. S. Helvetia, N. 43° 25′, W. 40° 33′	29.41	747.0	42	5.6	91	nw.	.....	.....	8	.....	8	.....	nw.	hail	hail	h'vy	wnw.	cloudy.
S. S. Italy, N. 40° 47′, W. 64° 41′ *	30.24	768.1	49.5	9.7	96	ssw.	.....	.....	10	.....	10	.....	sw.	o	o	sm'h	ssw.	cloudy.
S. S. Hohenstaufen, N. 40° 50′, W. 50° 24′	30.22	767.6	40	4.4	.....	n.	.....	.....	6	.....	4?	.....	nw.	o	o	h'vy	nw.	covered.†
S. S. Neckar, N. 49° 40′, W. 15° 56′	.....	.....	50.0	10.0	87	wsw.	.....	.....	6	.....	9	.....	w.	12 h'r	12 h'r	r'gh	w.	h'vy squalls
S. S. Rhein, N. 40° 54′, W. 46° 51′	.....	.....	.....	.....	.....	nw.	.....	.....	6	.....	4	.....	nw.	o	o	r'gh	nw.	squally.
S. S. Muriel, N. 32° 10′, W. 70° 30′	30.34	770.6	68	20.0	.....	ssw.	.....	.....	2	.....	10	.....	.....	o	o	long	ne.	cloudy.
S. S. Pennland, N. 39° 46′, W. 50° 44′	30.19	766.8	46	7.8	84	nnw.	.....	.....	6	.....	5	.....	nnw.	o	o	mod.	nnw.	fair.
S. S. Vaderland, Schelt river, Netherlands	.....	.....	46	7.8	.....	ne.	.....	.....	2	.....	7	.....	e.	16 h'r	16 h'r	.....	.....	light rain.
S. S. Waesland, N. 41° 40′, W. 53° 30′	30.38	771.6	39	3.9	.....	nnw.	.....	.....	6	.....	4	.....	nw.	o	o	long	nw.	fair.
S. S. Zaandam, N. 49° 47′, W. 14° 45′	.....	.....	56.5	13.6	88	wsw.	.....	.....	5	.....	6	.....	wsw.	2 h'r	2 h'r	r'gh	wsw.	cloudy.
S. S. State of Nebraska, N 53° 09′, W. 20° 25′ *†	29.08	738.6	43	6.1	.....	sse.	.....	.....	4	.....	10	.....	sw.	o	o	con.	w.	gloomy.
S. S. State of Nevada, Glasgow, Scotland *†	29.55	750.6	40	4.4	.....	e.	.....	.....	3	.....	10	.....	se.	o	o	.....	.....	cloudy.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-Swell.		Weather.
										Amount and kind.		Direction.						
						Direction.	Velocity.		Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
S. S. Saxon, N. 40° 00′, W. 73° 45′ *†	30.00	762.0	47	8.3		ssw.			2		5			0	0	light		fair.
S. S. Republic, N. 41° 46′, W. 49° 09′ †	29.18	741.2	36	2.2	80	nnw			6		8		nnw.	0	0	rg'h	nw.	squally.
S. S. Marengo, N. 44° 50′, W. 29° 58′†	28.99	736.3	49	9.4		w.			6		8		w.	3 h'r	3 h'r	h'vy	w.	squally.
Schr. Arthur Burton, N. 28° 48′, W. 67° 10′						ese.			2		1		ese.	0	0	rg'h	e.	fine.
Bg. Abbie Clifford, N 41° 15′. W. 67° 25′†	30.14	765.5	45	7.2		s.			6		9		sw.			light	sw.	cloudy.
Bgt Achsah, Port of Spain, Trinidad, W.I†	30.03	762.7	79	26.1		calm			0		2		e.	0	0			clear.
S. Annie, N. 22° 40′, W. 47° 53′*	30.16	766.1				ene.			3		2		ene.	0	0	mod.		clear.
Schr. Abbie H. Gheen, Springwood Mills, S.C *†	30.20	767.1	61	16.1		s.			2									cloudy.
Bk. Alpha, N. 29° 00′, W 20° 20′*†	30.18	766.6	68	20.0		ene.			4		3		nw.	0	0	long	nw.	clear.
Bk. Achille F., N. 14° —′, W. 41° 30′ *†	30.09	764.3	75.5	24.2	79	ene.			4		5		ene.	0	0	mod.	var.	fair.
Bk. Bore, N 35° 14′. W. 14° 33′ *†	30.17	766.3	62	16.7		nw.			2		2		nw.	2 h'r	2 h'r	mod.	nnw.	clear
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	76	24.4		calm			0		10		ene.	4 h'r	4 h'r			cloudy.
Bk. Cato, Oporto, Portugal †	30.01	762.2	53	11.7	93	wnw.			5					0	0			clear.
S. David Stewart, Orchilla Island, Venezuela			79	26.1		ene.			5		8		e.	0	0	mod.	n.	
Schr. Edith R. Seward, N. 12° 20′. W. 65° 00′ †.	30.12	765.0	80	26.7		ene.			3		4		ene.	1 h'r	1 h'r	long	ne.	clear.
Bk. Esmeralda, Langesund, Norway	29.66	753.4				nne.			2		10			20 h'r	20 h'r			light rain.
U. S. Fish Com. S.S Fish Hawk, Hampton Roads .			44	6.7		ne.			4		10		ne.	0.03	0.8			cloudy
S. Frank N. Thayer, N. 11° 35′. W. 32° 44′*†	30.07	763.8	76	24.4	77	e.			4		1 k		e.	0	0	light	e.	hazy.
Bg. George, Arroyo, Porto Rico, W. I*†	30.10	764.5				ene.			2		10†		ese.	0	0	mod.	e.	fair.†
Bk. Galeon, N. 33° 04′, W. 15° 23′			60.5	15.8		nnw.			2		5		nw.	0	0		nnw.	blue sky.
S. Gatherer, N. 15° 55′, W. 36° 05′†	30.06	763.5	73	22.8	76	ese.			4		3			6	minutes		se.	clear.
Bk. Heinrich & Tonio, N. 39° 50′. W. 21° 50′*†	29.87	758.7	57	13.9	81	sw.			5		10		sw.	4 h'r	4 h'r	short	nw.	cloudy.
Bk. Hattie G. McFarland, Aspinwall, U.S.C			80	26.7		ene.			4		6		e.	0	0			
Schr. Jennie N. Huddell, Wilmington, N.C			65	18.3		s.			2		10			0	0			cloudy.
Bg. John Welsh, jr., Barbadoes, W. I						ene.			5									
Schr. John Bird, Zaza, W.I*†	30.16	766.1				e.			1		0			0	0			clear.
Schr. Jenny Greenbank, Orinoco river, Venezuela			77	25.0		ne.			3		5		ene.	2 h'r	2 h'r	mod	ene.	fair.
Bg. L. & W. Armstrong, Pointe à Pitre, Guadaloupe, WI						calm			0		1		e.	½ h'r	½ h'r			
Light-house tender Laurel, Key West, Fla†	30.12	765.0	78	25.6		se.			2–3		4		se.	0	0			fair.
S. S. Madrid, Savona, Italy†	30.13	765.3	64	17.8	89	sse.			3		9		sse.	4 h'r	4 h'r			fair.
Schr. Maggie Abbott, Gonaives, Hayti, W. I*†	30.08	764.0				n.			5		0			0	0			clear.
Schr. Nellie T. Morse, Pensacola, Fla			70	21.1		sse.			3		10		nnw.	0	0			overcast.
Bk. Rosina, N. 37° 38′, W. 51° 41′	30.23	767.8	52	11.1		nw.			6		6		nw.	0	0	large	nw.	cloudy.
Bk. Sunbeam, Lisbon, Portugal			59	15.0	70	w.			6		6		wnw.	14 h'r	14 h'r			fair.
S. Stephen D. Horton, Antwerp, Belgium †	29.80	756.0				nnw.			3		10		n.	10 h'r	10 h'r			drizzling.
S. Tsemogora, N. 40° 55′. W. 32° 20′*†	29.47	748.5				w.			7		5		w	rain	rain	long	w.	squally.
Bk. Tros, N. 33° 24′, W. 23° 00′ *†	30.16	766.1	60	15.6		sw.			3		4		wsw.	0	0	r'gh	wnw.	fair.
S. Vincenzo Accame, N. 39° 05′, E. 3° 31′†.	29.88	758.9	62.6	17		sw.			4		10		sw.	0	0	light	se.	
District No. 2—South Atlantic.																		
H. M. S. Amethyst, Stanley, Falkland Islands	29.44	747.8	52	11.1	93	wnw.			1		3		n.					blue sky.
H. M. S. Boadicea, S. 1° 57′, E. 8° 50′	29.90	759.4	80	26.7	90	calm			0		10					1	sse	d. clouds.
H. M. S. Opal, Simons Bay, Cape Colony	30.04	763.0	70	21.1	70	sse.			6		4		se.					squally.
H. M. S. Sylvia, Montevideo, Uruguay	30.02	762.5	71.7	22 1	76	n.			3		0							blue sky.
H.P.M S Rainha de Portugal, Mossamedes, Benguela..	29.86	758.5	68.4	20.2	97	wnw.			4		3			0	0	2		blue sky.
S. S. Hevelius, S. 29° 27′, W. 48° 00′ *†	30.29	769.4	77	25.0		ene			4		3		ne.	0	0	sm'h		clear.
S. S. Strassburg, S. 31° 19′, W. 49° 40′	30.24	768.1	75.0	23.9	72	nnw.			3		4		nnw.	0	0	4	n.	fair.
S. Grecian, S. 1° 47′, W. 33° 38′†	30.05	763.3	78	25.6	91	e.			1		8		ne.	2 h'r	2 h'r	long	n.	light rain.
S. Henry Failing, S. 0° 50′, W. 31° 25′ *†	29.98	761.5	85	29.4	87	nne.			1		8		ne.	15 h'r	15 h'r	long	ne.	fair.
Bk. Horace Scudder, S. 4° 26′, E. 11° 41′ *†	30.10	764.5	85	29.4		ssw.			2		5		calm	0	0		sw.	fair.
S. Ismir, S. 30° 47′, W. 27° 18′ *†	30.15	765.8				se.			5		4		se.	0	0			fine.
Bkt. Levanter, S. 35° 17′, W. 54° 20′ *	30.08	764.0	74	23.3		n.			5		0			0	0	mod.	nne.	clear.
S. S. Mendoza, S. 20° 30′, W. 34° 15′†	30.10	764.5				nne.			1				nne.	0	0	sm'h	ene.	clear.
S. S. Olbers, S. 20° 36′, W. 39° 19′	30.06	763.5	79	26.1	86	nw.			4		4		n.			sm'h		d. clouds.
U. S. S. Nipsic, Montevideo, Uruguay *	30.00	762.0	74	23.3	72	nne.			3–4		2					sm'h		clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.54	750.3	47.5	8.6	55	sw.			6		0			0.10	2.5			clear.
U. S. S. Essex, N. 23° 43′, E. 118° 06′	30.22	767.6	56	13.3	81	ne.			6		10		ne.			r'gh	ne.	cloudy.
U. S. S. Juniata, Roze Island, Corea	30.23	767.8	32	0.0	90	nw.			1		0			0	0			clear.
U. S. S. Palos, N. 35° 32′, E. 122° 24′			36	2.2	61	wsw.			3		0					sm'h	wnw.	clear.
U. S. S. Ranger, Estero Real, Nicaragua	30.03	762.7	78	25.6	69	e.			1		0			0	0			clear.
H. M. S. Audacious, Hong Kong, China	30.20	767.1	62	16.7	94	ene.			1		10		ene.					drizzling.
H. M. S. Champion, Side-saddle Island, China	30.44	773.2	44	6.7	68	n.			3		0					2	ne.	blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.34	770.6	51.4	10.8	72	ne.			3		8		sw.			2		misty.
H. M. S. Magpie, N. 5° 24′, E. 100° 20′	29.88	758.9	84.5	29.2	71	s.			1		4		se.					misty.
H. P. M S. Tamega, Macao, China	30.21	767.3	64.4	18	90	e			5		9			12 h'r	12 h'r			overcast.
U. S. S. Monocacy, Canton, China	30.22	767.6	62	16.7	88	e.			1		10		calm					cloudy
S. S. Newbern, N. 26° 00′, W. 113° 25′			65	18.3	84	nw.			4		3		nw.	0	0	mod.	wnw.	fair.
S. S. City of Chester, San Francisco, Cal†	30.23	767.8	46	7.8	69	calm			0		0			0	0			
S. S. Columbia, N. 45° 26′, W. 124° 07′ *†	30.06	763.5	46	7.8	69	wnw.			3		7		nw.			light	nw.	fair.
S. S. Oregon, San Francisco, Cal †	30.22	767.6	50	10.0	93	calm			0		0							clear.
S. S. Alameda, San Francisco, Cal †	30.24	768.1	44	6.7	76	nw.			2		0			0	0			clear.
S. S. Ancon, San Francisco, Cal†	30.19	766.8	47	8.3	85	ne.			2		0			0	0			clear.
S. S. State of California, Portland Oregon†	30.05	763.3	43	6.1	93	calm			0		6		ssw.					cloudy.
S. S. City of Pekin, N. 32° 05′, E. 146° 54′ †	30.19	766.8	62	16.7	88	sse.			6		10		s.	0	0	r'gh	se.	gloomy.
S. S. City of Rio de Janeiro, N. 27° 22′, W. 163° 59′†	30.22	767.6	63	17.2		ne.			3				n.			mod.	nw.	cloudy.
S. S. City of Tokio, N. 34° 50′, E. 139° 58′†	29.59	751.6	50	10.0	72	sw.			0		0			0	0	r'gh	sw.	clear.
S. S. Colima, Acapulco, Mexico†	29.99	761.7	76	24.4	86	calm			0		2		calm	0	0			clear.
S. S. Granada, Champerico, Guatemala†	29.98	761.5	79	26.1	86	sw.			1		0			0	0	light	sw.	clear.
S. S. San Jose, Panama, Panama			70	21.1		nw.			5		0			0	0			clear.
S. S. Zealandia, N. 0° 09′, W. 106° 39′	29.90	759.4	80	26.7	82	ene.			5		4		ene.			mod.	ne.	fair.
S. S. Benalder, N. 43° 15′, E. 134° 30′	29.97	761.2	52	11.1	65	wnw.			4–6		0			10 h'r	10 h'r	mod.	sw.	clear.
S. S. Oceanic, N. 34° 51′, W. 140° 03′	29.58	751.3	59	15.0	88	s.			5–6		10		s.	12 h'r	12 h'r	4	sw.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Pinta, S 52° 47′, W. 73° 50′	29.58	751.3	49	9.4	85	nw.			4		10		nw.			mod.	nw.	threatening
U. S. S. Wachusetts, S. 30° 43′, W. 71° 51′	29.97	761.2	60	15.6	94	e.			2		8		calm			long	sw.	cloudy.
H. M. S. Espiegle, S. 38° 12′, E. 178° 83′	29.85	758.2	66	18.9	84	n.			2		10					1	s.	overcast.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	29.80	750.9	63.3	17.4	86	calm			0		10							raining.
H. M. S. Mutine, S. 20° 55′, W. 74° 50	30.05	763.3	71	21.7		sse.			3		10					2	sse.	overcast.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.91	760.5	73	22.8	90	nne.			1		6		e.					d. clouds.
S. S. City of Sydney, S. 34° 09′ E. 168° 08′*†	29.83	757.7	67	19.4	100	se.			1	8 ck			se.			light	sw.	cloudy.
S. S. Port Phillip, S. 19° 31′, E. 156° 48′	29.85	758.2	83	28.3	83	var.			1							mod.	e.	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Aden, Arabia	29.93	760.2	83	28.3	79	e.			4		2		e.			sm'h		clear.
H.M. S. Tourmaline, Mafia Channel, Zanzibar	29.91	759.7	84	28.9	79	nne.			4		1					1	nne.	blue sky.
S. Orealia, S. 29° 42′, E. 77° 12′*..	30.11	764.8				ese.			3		5		sse.	0	0	sm'h	s.	fair.

International Chart I. March 12, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office 14th

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 13, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	30.02	762.5	62.2	16.8	72	e.	.....	.....	2	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	30.02	762.5	56.1	13.4	75	e.	.....	.....	1	.....	10	.....	.....	0.591	15.0	covered	Théye.
La Calle	.....	.....	30.04	763.0	64.0	17.8	74	s.	.....	.....	5	.....	2	.....	.....	0	0	fair	Foufède.
Tunis	.....	.....	30.12	765.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.07	763.8	41.0	5.0	71	n.	.....	.....	3	.....	4	.....	.....	0.059	1.5	cloudy	Forfert.
Laghouat	.....	.....	30.05	763.2	50.7	10.4	.....	ne.	.....	.....	4	.....	10	.....	.....	1.240	31.5	covered	Abraham.
Biskra	.....	.....	30.08	764.1	58.6	14.8	68	e.	.....	.....	4	.....	8	.....	.....	0.976	24.8	very cloudy	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.13	765.3	61.9	16.6	63	sse.	8	3.6	.....	.....	1 ks	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.88	758.9	30.07	763.8	57	13.9	65	calm	0	0	.....	.....	10	.....	.....	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	30.02	762.5	30.11	764.8	57.1	13.9	85	sse.	3	1.3	.....	.....	1	.....	.....	0	0	fine	R. L. J. Emery.
AUSTRO-HUNGARIAN.																			
Agram	29.68	753.9	30.23	767.9	59.9	15.5	42	se.	.....	.....	2	.....	5	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.40	746.7	30.20	767.1	36.5	2.5	84	e.	0	0	.....	.....	0	.....	.....	0.098	2.5	.....	Dr. Wierzbiski
Eperies	29.32	744.7	30.22	767.5	46.4	8.0	34	calm	.....	.....	0	.....	10 s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.93	734.9	30.19	766.9	54.3	12.4	64	se.	.....	.....	1	.....	8	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.80	731.5	30.29	769.4	37.2	2.9	58	ese.	.....	.....	4	.....	0	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.89	733.7	30.24	768.0	52.7	11.5	74	wnw.	.....	.....	2	.....	10	.....	.....	0.012	0.3	raining	The Staff.
Lemberg	29.32	744.6	30.36	771.1	33.3	0.7	63	s.	.....	.....	3	.....	1	.....	.....	0.031	0.8	.....	Dr. T. Stanecki.
Pola	30.10	764.5	30.21	767.4	49.6	9.8	94	nw.	.....	.....	3	.....	10	.....	.....	0	0	foggy	I. R. Hydrographic Office.
Szathmar	29.75	755.6	30.22	767.7	47.8	8.8	34	e.	.....	.....	5	.....	1	.....	.....	0	0	.....	Joseph Midlinsky, S. J
Szegedin	29.92	760 0	30.21	767.3	50.5	10.3	54	s.	.....	.....	2	.....	6	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.13	765.4	30.23	767.9	52.5	11.4	83	w.	.....	.....	1	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.53	750.0	30.26	768.6	46.8	8.2	77	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.85	732.8	30.26	768.5	47.8	8.8	85	sse.	.....	.....	1	.....	1	.....	.....	0.157	4.0	.....	
Brussels	30.03	762.8	30.24	768.0	53.6	12.0	72	sw.	.....	.....	3	.....	8	.....	sw.	0.067	1.7	.....	
Furnes	30.16	766.1	30.18	766.6	55.2	12.9	79	s.	.....	.....	1	.....	8	.....	.....	0.016	0.4	.....	
Maeseyck	30.13	765.3	30.26	768.5	57.2	14.0	62	wsw.	.....	.....	1	.....	9	.....	.....	0.083	2.1	.....	
BRITISH.																			
Aberdeen	29.65	753.1	29.75	755.6	45.0	7.2	84	s.	16	7.2	.....	.....	9	.....	.....	0.005	0.1	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.86	758.4	50.2	10.1	75	s.	18	8.0	.....	.....	10	.....	.....	.....	.....	overcast	John Hartnup.
Bolton, Sharples	.....	.....	29.91	759.7	47.4	8.6	90	ssw.	12	5.4	.....	.....	10	.....	.....	.....	.....	raining	Thomas Mackereth.
Bradford, Yorkshire	29.37	746.0	29.91	759.7	47.4	8.6	90	ssw.	12	5.4	.....	.....	10	.....	.....	.....	.....	raining	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.52	749.8	29.91	759.7	49.3	9.6	83	s.	.....	.....	3	.....	10	.....	.....	0.02	0.5	raining	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	30.03	762 7	30.06	763.5	76	24.4	77	ne.	.....	.....	3	.....	1	.....	.....	.....	.....	d. clouds	Corp'l G. A. Pickles, R.E
Chatham, School M. E	.....	.....	.....	.....	52.2	11.2	84	sw.	.....	.....	1.0	.....	10	.....	.....	.....	.....	overcast	John McLaren.
Falmouth, Observatory	29.92	760.0	30.10	764.5	54.6	12.6	72	s.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	29.72	754.9	29.89	759.2	50.7	10.4	87	s.	.....	.....	6	.....	10	.....	.....	.....	.....	raining	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	27 64	702.0	29.94	760.5	76.8	24.9	79	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Gibraltar, Mediterranean	29.25	742.9	29.29	744.0	49	9.4	93	s.	.....	.....	3	.....	8	.....	.....	0.13	3.3	threatening	Wm. Ryan.
Greenwich, Royal Obs'y	30.12	765.0	30.22	767.6	62.2	16.8	80	e.	.....	.....	3	.....	2	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A. H.C.
Guernsey	29.92	760.0	30.09	764.3	53.3	11.8	70	ssw.	.....	.....	5	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Kew, Observatory	29.81	757 2	30.11	764.8	50.5	10.3	75	s	.....	.....	2	.....	6	.....	.....	blank	blank	d. clouds	A. Collenette, F.R.M.S
Leicester, Museum	30.05	763.3	30.09	764.3	53.4	11.9	67	sw.	23	10.3	.....	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Malta, Mediterranean	29.72	754.9	29.98	761.5	53.0	11.7	73	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Nassau, Bahamas	30.07	763.8	30.15	765.8	57.8	14.3	79	ne.	.....	.....	3	.....	6	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Oxford, Radcliffe Obs'y	30.17	766.3	30.21	767.3	77.0	25.0	73	se.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Plymouth	29.81	757.2	30.04	763.0	52.9	11.6	80	ssw.	.....	.....	5	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Sandwick Manse, Orkneys	29.92	760.0	30.00	762.0	50.8	10.4	89	s.	.....	.....	4	.....	10	.....	.....	.....	.....	drizzling	John Merrifield.
Scutari Cemetery, Turkey	29.51	749.5	29.61	752.1	45	7.2	88	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	Rev. C. Clouston, L.L.D
Sheffield	30.11	764.8	30.18	766.6	38.8	3.8	86	nne.	.....	.....	2	.....	9	.....	.....	.....	.....	drizzling	W. H. Lyne.
Silloth Rectory	29.66	753.4	29.94	760.5	52.8	11.6	74	s.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Stonyhurst, Observatory	29.73	755.1	29.76	755.9	51.5	10.8	89	sw.	.....	.....	5	.....	10	.....	.....	0.035	1.0	raining	Rev. F. Redford, M. A.
Strathfield Turgiss	.....	.....	29.91	759.7	46.9	8.3	86	s.	21	9.4	.....	.....	10	.....	.....	0.050	1.3	raining	Rev. S. J. Perry.
Valencia, Observatory	29.40	746.7	29.43	747.5	51.4	10.8	89	sw.	.....	.....	3.0	.....	10	.....	.....	.....	.....	squally	Rev. G. H. Griffiths, F.M.S
Sub-series.								s.	43	19.2	.....	.....	10	.....	.....	.....	.....	raining	The Met'g'l Office.
Gozo, Episcopal Seminary	29.79	756.7	30.18	766.6	59.7	15.4	70	e.	5.6	2.5	.....	8 cs	0	W.	.....	0	0	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.99	761.7	30.11	764.8	57.9	14.4	88	e.	26	11.6	.....	.....	10 k	.....	se.	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	.....	.....	.....	.....	32.0	0.0	.....	n.	15	6.7	.....	4 cs	0	.....	.....	0.200	5.1	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.79	756 7	29.83	757.7	34	1.1	60	w.	11	4.9	.....	0	0	.....	.....	0.255	6.5	clear	H. J. Cundall, C. E.
Chatham, N. B*	29.78	756.4	29.84	757.9	32	0.0	71	sw.	11	4.9	.....	2 k	2 ks	sw.	sw.	0.12	3.0	fair	G. A. Blair.
Cornwall, Ontario	29.98	761.5	30.18	766.6	20.5	— 3.1	99	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.74	755 4	29.79	756 7	29.5	— 1.4	.....	w.	.....	.....	3	0	7 k	.....	.....	0	0	d. clouds	H. A. Johnson.
Fanner Point, Quebec*	29.78	756.4	29.81	757.2	28	— 2.2	88	nw.	25	11.2	.....	2 cs	2 ks	w.	w.	0.30	7.6	clear	J. McWilliams.
Fort Garry, Manitoba*	29.35	745.5	30.30	769.6	— 5	—20.6	100	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	29.93	760.2	30.00	762.0	32.0	0.0	50	w.	14	6.3	.....	0	1 s	.....	.....	0.160	4.1	d. clouds	Dr. Thos. Harrison.
Grand Manan, N. B	30.03	762.7	30.08	764.0	36	2.2	64	w.	26	11.6	.....	5 c	0	w.	.....	0.13	3.3	fair	J. Chipman Seeley
Granton, Ontario	29.09	738.9	30.25	768.3	29.0	— 1.7	100	sw.	5	2.2	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.85	758.2	29.99	761.7	35	1.7	75	w.	11	4.9	.....	5 cs	0	w.	.....	0.120	3.0	fair	A. Allison.
Hamilton, Ontario	29.80	756.9	30.23	767.8	31.9	— 0.1	88	sw.	.....	.....	2	0	0	.....	.....	0	0	blue sky	Geo. Dickson, B. A.
Kingston, Ontario*	29.87	758.7	30.22	767.6	30	— 1.1	81	sw.	7	3.1	.....	0	0	.....	.....	0.12	3.0	clear	A. P. Knight, M. A.
Little Glace Bay, N. S	29.70	754.4	29.74	755.4	36.2	2.3	69	nw.	6	2.7	.....	5 ck	0	nw.	.....	0	0	fair	C. H. Rigby.
London, Ontario	29.33	745.0	30.28	769.1	29.8	— 1.2	91	s.	.....	.....	1	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.70	703.6	30.31	769.9	—10	—23.3	78	w.	2	0.9	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	28.16	715.3	30.37	771 4	—12	—24.4	100	nw.	4	1.8	.....	0	5 s	.....	nw.	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	30.05?	763.3?	30.27?	768.8?	27	— 2.8	80	sw.	18	8.0	.....	0	0	.....	.....	0.22	5.6	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.92	760.0	30.16	766.1	19.3	— 7.1	100	wsw.	.....	.....	.....	0	0	.....	.....	Imap.	Imap.	blue sky	A. McCill, M. A.
Parry Sound, Ontario*	29.39	746.5	30.10	764.5	29	— 1.7	88	sw.	15	6.7	.....	5 k	5 ks	sw.	sw.	0.02	0.5	fair	Rev. R. Mosley.
Peterboro, Ontario	29.43	747.5	30.21	767.3	27.6	— 2.4	72	sw.	.....	.....	1	1 c	0	sw.	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.38	746.2	30.16	766.1	4	—15.6	83	sw.	5	2.2	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.57	751.1	30.30	769.6	32	0.0	90	sw.	10	4.5	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.61	752.1	30.29	769.4	27	— 2.8	96	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec*	29.66	753 4	30.03	762.7	25	— 3.9	96	sw	28	12.5	.....	0	0	.....	.....	0.01	0.3	clear	Capt. Asne, R. N.
Rockliffe, Ontario	29.61	752.1	30.10	764.5	17	— 8.3	83	calm	0	0	.....	10 ck	0	nw.	.....	0.25	6.3	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.98	761.5	30.03	762.7	34	1.1	84	nw.	4	1.8	.....	0	0	.....	.....	0.23	5.8	clear	
St. John, N. B	29.88	758.9	30.03	762.7	33.4	0.8	80	sw.	16	7.2	.....	3 c	0	nw.	.....	0.571	14.5	fair	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.61	752.0	35.0	2.0	.....	sw.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	29.41	747.0	30.16	766.1	31	— 0.6	88	sw.	20	8.9	.....	0	0	.....	.....	0.03	0.8	clear	
Stratford, Ontario	28.90	734.0	30.25	768 3	30.1	— 1.1	69	s.	4	1.8	.....	0	0	.....	.....	0.030	0.8	blue sky	W. McBride, M.A.

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	29.68	753.9	29.74	755.4	37	2.8	69	w.	33	14.8	.....	8 c	2 ks	w.	.....	0.34	8.6	fair	T.C.Hill, C.E.
Toronto, Ontario*	29.86	758.4	30.27	768.8	30	— 1.1	88	sw.	9	4.0	.....	0	0	.....	.....	0	0	clear	Magnetic Observatory.
Woodstock, Ontario	29.17	740 9	30.29	769.4	29.6	— 1.3	86	s.	23	10.3	.....	0	0	.....	.....	0.150	3.8	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.04	763.0	30.11	764.8	36	2.2	79	w.	16	7.2	.....	5 ck	0	w.	.....	0.07	1.8	fair	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.93	760.2	29.96	761.0	72.5	22.5	92	ne.	.....	.....	.....	0	0	.....	.....	0	0	fine	I. Garfelt.
Cape Town, The Castle	29.82	757.4	.....	.....	83.0	28.3	30	nw.	.....	.....	.....	2 c	0	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.91	708.9	.....	.....	92	33.3	41	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	29.52	749.7	29.62	752.4	55.4	13.0	93	e.	.....	.....	1	.....	7	.....	e	0.197	5.0	drizzling	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	61.7	16.5	84	s.	.....	.....	1	0	.....	.....	.....	0	0	clear	Leon Herrera.
Valparaiso	29.84	758 0	29.98	761.6	59.9	15.5	89	e.	.....	.....	1	.....	10	.....	.....	.....	.....	cloudy	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.07	763.7	30.09	764.3	44.1	6.7	82	se.	9.4	4.2	.....	.....	0	.....	.....	0	0	clear	M.Marc Dechevrens, S. J.
DANISH.																			
Copenhagen	30.05	763.3	30.10	764 5	40.3	4.6	81	wnw.	22	10	.....	.....	10	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	30.12	765.0	30.14	765.5	43.3	6.3	91	wsw.	.....	.....	2	.....	8	.....	.....	.....	.....	.....	Overloerer Lauridsen.
Godthaab, Greenland	29.73	755.2	29.78	756.3	3.2	—16.0	95	nw.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Gree land	29.60	751.7	29.61	752.2	25.5	— 3.6	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.34	745.2	29.38	746.3	37.0	2.8	77	ne.	.....	.....	4	.....	8	.....	.....	.....	.....	.....	A. O. Thorlacius.
Thorshavn	29.52	749.9	29.55	750.5	46.0	7.8	92	se.	20	9.	.....	.....	7	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	29.44	747.8	29.49	749.0	4.8	—15.1	.....	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	
Vestervig	30.01	762.3	30.10	764.6	40.1	4.5	78	wsw.	.....	.....	4	.....	3	.....	.....	.....	.....	.....	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.93	760.3	.....	.....	68.0	20	.....	e.	3.4	1.5	.....	.....	0	.....	.....	0	0	.....	Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.65	753.1	30.30	769 7	56.8	13.8	69	se.	.....	.....	1	.....	3 k	se.	.....	0.020	0.5	.....	M. Labroue, Director.
Alençon, Normal School	29.69	754.0	30.24	768.0	51.4	10.8	90	s.	.....	.....	1	.....	5 kn	.....	n.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.95	760.6	30.19	766 7	57.0	13.9	59	se.	.....	.....	1	.....	1	n.	w.	0.004	0.1	clear	M. Ungerer, Director.
Avignon, Normal School	30.16	766.0	30.24	768.0	65.5	18.6	43	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.71	754 5	30.27	768 9	51.4	10.8	82	s.	.....	.....	1	.....	0	.....	.....	0.177	4.5	clear	M. Saillard, Director.
Beauvais, Normal School	29.98	761 4	30.24	768.2	53.4	11.9	65	sw.	.....	.....	1	.....	2	.....	sw.	0	0	slightly cl'dy	M. Frère Eugène Marie.
Besançon, Normal School	29.32	744.8	30.22	767.6	60.4	15.8	59	e.	.....	.....	1	.....	k	.....	ne.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.97	761.2	30.23	767.9	55.6	13.2	74	sw.	.....	.....	1	.....	5	.....	sw.	0.024	0.6	cloudy	M. Rayet, Director.
Bourges, Normal School	29.74	755.4	30.30	769 5	55.8	13.2	54	sse.	.....	.....	1	.....	5	.....	sse.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.86	758.5	30.10	764.6	54.3	12.4	78	sw.	.....	.....	4	.....	7	.....	sw.	0	0	.....	M. de Kermarrec, Dir.
Caen, Normal School	30.07	763.8	30.15	765 7	58.6	14.8	95	ssw.	.....	.....	1	.....	2	.....	ssw.	0.020	0.5	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.94	760.4	30.26	768.6	55.4	13.0	72	sw.	.....	.....	1	.....	5	.....	w.	0	0	cloudy	M. Jadot, Director.
Charleville, Normal School	29.74	755.5	30.27	768.9	54.0	12.2	72	sw.	.....	.....	1	.....	5	.....	ssw.	0.079	2.0	½ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.86	733.1	30.22	767 6	56.8	13.8	57	n.	.....	.....	1	.....	10	.....	s.	0.209	5.3	.....	M. Alluard, Director.
Cluny, Normal School	29.48	748.9	30.36	771.2	59.5	15.3	57	nne.	.....	.....	.....	.....	3	.....	.....	0	0	.....	M. de Villemontée, Dir.
Commercy, Normal School	29.44	747.7	30.32	770 0	50.7	10.4	55	w.	.....	.....	1	.....	5 k	w.	w.	0.024	0.6	cloudy	Dr. Coulet, Director.
Gap, Normal School	27.65	702.3	30.16	766 0	60.4	15.8	29	calm	.....	.....	0	.....	0	.....	.....	0	0	clear	M. Jarach, Director.
Gréasque, du Rhone	29.11	739 3	30.22	767 6	63.9	17.7	61	n.	.....	.....	1	.....	2	.....	sw.	0	0	.....	M. Kina, Director.
Grenoble, Normal School	29.46	748 3	30.22	767 5	65.5	18.6	42	.....	.....	.....	.....	.....	k	.....	.....	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28.69	728.7	30.27	768.8	57.2	14	37	se.	.....	.....	1	c	.....	.....	se.	0	0	.....	M. Delorme, Dir.
Lambal e Normal School	29.85	758 3	30.13	765 3	54.1	12.3	76	s.	.....	.....	2	.....	n	.....	s.	0	0	.....	M. Poilpre, Dir.
Lescar, Normal School	29.67	753.6	30.24	768.1	58.6	14.8	52	e.	.....	.....	4	c	.....	.....	.....	0	0	.....	M. Chauvin, Director.
Lorient, Naval Observatory	29.69?	754.0?	29.79?	756.6?	57.2	14.0	76	s.	.....	.....	4	.....	5	w.	s.	0	0	½ covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	29.18	741.2	30.24	768.2	57.6	14.2	57	ne.	.....	.....	1	.....	1	.....	n.	0	0	misty	M. André, Director.
Mans, Normal School	29.94	760.4	30.25	768.3	53.4	11.9	71	s	.....	.....	4	.....	2 k	.....	sw.	0	0	slightly cl'dy	M. Richard, Director.
Marseille, Observatory	29.95	760.8	30.22	767.6	63.3	17.4	67	sw.	.....	.....	1–2	.....	0	.....	.....	0	0	.....	M. Stephan, Director.
Montlouis	24.98	634.6	29.83	757.6	47.5	8.6	40	sw.	11.2	5.0	.....	.....	0	.....	.....	0	0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	30.14	765.6	30.25	768.4	63.5	17.5	70	sw.	.....	.....	2	.....	5	w.	.....	0	0	fair	M. Gaizin, Director.
Nancy, Normal School	29.50	749.3	30.29	769.3	54.7	12.6	52	wnw.	.....	.....	1	ck	n	.....	w.	0.008	0.2	.....	M. Hasse, Director.
Nantes, Observatory	30.08	763.9	30.24	768 0	58.8	14.9	63	s.	.....	.....	4	.....	6 k; kn	.....	sw.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	30.14	765.5	30.25	768.4	57.2	14.0	80	e.	7.4	3.3	.....	.....	9	.....	se.	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	21.20	540.1	.....	.....	34.9	1.6	.....	sw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Vaussenat, Director.
Privas, Normal School	29.14	740.1	30.19	766.9	60.8	16.	42	se.	.....	.....	1	.....	2	.....	.....	0.024	0.6	slightly cl'dy	M. Tallieu.
Puy de Dôme Obs'y, Summit	25.31	642.9	.....	.....	38.5	3.6	100	s.	.....	.....	2	.....	10	.....	.....	0.268	6.8	foggy	M. Allard.
Rochefort, Naval Obs'y	30.21	767.3	30.24	768.1	59.0	15.0	58	s.	.....	.....	2	.....	0	.....	.....	0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.97	761 2	30.19	766.7	55.8	13.2	68	s.	.....	.....	4	.....	.....	sw.	sw.	0	0	.....	M. Brothier, Director.
Rodez, Normal School	28.13	714.4	30.31	769.8	52.3	11.3	80	n.	.....	.....	1	.....	5	.....	s.	0	0	fair	M. Seger, Director.
Rouen, Normal School	30.19	766.7	30.23	767 9	55.8	13.2	68	sw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Mouillot, Dir.
Saint Maur, Observatory	30.11	764.7	30.27	768.9	54.9	12.7	67	ssw.	.....	.....	1	.....	1	.....	ssw.	0.004	0.1	.....	M. Renou, Director.
Toulouse, Observatory	29.54	750.3	30.27	768.8	50.4	10.2	94	ne.	.....	.....	1	.....	10	e.	.....	0.256	6.5	covered	M. Bailland, Director.
Toure	30.06	763.9	30.26	768.5	54.3	12.4	67	ssw.	.....	.....	1	.....	1	.....	s.	0.016	0.4	clear	M. de Tastes.
Versailles, Observatory	29 77	756.1	30.26	768.6	53.2	11.8	67	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	30.06	763.6	30.21	767.4	59.5	15.3	61	e.	11.9	5.3	.....	1 ck	.....	.....	.....	0.142	3.6	.....	M. Cartier, Director.
GERMAN.																			
Ansbach	28.82	732.1	30.29	769.3	51.8	11.0	46	nw.	.....	.....	2	.....	1	nw.	.....	0	0	.....	Prof. Jnedt.
Bamberg	29.35	745.4	30.19	766.9	52.0	11.1	40	nw.	.....	.....	2	.....	4 ks	.....	w.	0	0	.....	Prof. Dr. Hoh.
Berlin	30.06	763.0	30.21	767.3	48.2	9.0	68	w.	.....	.....	2	.....	8	.....	.....	0.252	6.4	.....	Meteorological Institute
Breslau	29.69	754.0	30.22	767.6	44.6	7.0	81	wnw.	.....	.....	4	.....	10	.....	.....	0.028	0.7	rainy	Royal University Obs'y
Carlsruhe	29.85	758.1	30.32	770.0	55.2	12.9	54	sw.	.....	.....	1	.....	1	sw.	.....	0.008	0.2	.....	Albert Senz.
Cassel	29.51	749.5	30.22	767.6	54.7	12.6	65	sw.	.....	.....	3	.....	5	s.	.....	0.142	3.6	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.97	761.3	30.34	770.6	55.9	13.3	49	sw.	.....	.....	1	.....	1	.....	.....	0.031	0.8	.....	Physical Society.
Friedrichshafen	28.84	732.6	30.27	768 8	55.0	12.8	76	ssw.	.....	.....	2	.....	7	w.	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	30.13	765.2	30.22	767.5	49.8	9.9	76	wsw.	.....	.....	4	.....	5	.....	.....	0.043	1.1	.....	E. Prelter.
Kiel	30.13	765.4	30.15	765.8	46.4	8.1	82	wsw.	.....	.....	1	.....	4	.....	.....	0.142	3.6	.....	Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.84	757.9	30.26	768.7	52.2	11.2	59	w.	.....	.....	4	.....	6	wnw.	.....	0.039	1.0	.....	H. Leppig, Asst.
Magdeburg	30.04	763.1	30.24	768.0	51.3	10.7	62	wnw.	.....	.....	3	.....	8	.....	.....	0.157	4.0	.....	Weather Observatory.
Memel	30.03	762.8	30.08	764.0	33.1	0.6	100	s.	.....	.....	7	.....	10	.....	.....	.....	.....	snow drift	Issermann.
Munich	28.45	722.7	30.34	770.5	50.4	10.2	77	nw.	.....	.....	2	.....	10	w.	.....	0.012	0.3	.....	Central Station.
Neufahrwasser	30.07	763.7	30.08	764.1	37.0	2.8	87	sw.	.....	.....	1	.....	10	.....	.....	0.161	4.1	.....	A. Lothes.
Neustadt, Palatinate	29.79	756.7	30.32	770.2	57.0	13.9	58	n.	.....	.....	1	.....	2	n.	.....	0	0	.....	Prof. Dicknether.
Stuttgart	29.34	745.1	30.24	768.0	55.0	12.8	59	e.	.....	.....	1	.....	2	w.	.....	0	0	.....	Prof. Dr. Schoder.
Wustrow	30.14	765 5	30.16	766.1	41.2	5.1	90	sw.	.....	.....	2	.....	10 8	.....	.....	0.165	4.2	.....	Profs. Brandes & Kelmer
GREEK.																			
Athens	29.71	754.6	30.10	764.4	61.0	16.1	.....	s.	.....	.....	2.0	8	0	.....	.....	0	0	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.90	759.3	29.95	760.6	77.7	25.4	72	wsw.	34.0	15.2	.....	.....	5	.....	.....	0	0	d. clouds	
Deesa	29.41	747.1	29.88	758.9	94.4	34.7	14	w.	17.0	7.6	.....	.....	4	wnw.	.....	0	0	d. clouds	
Bombay	29.86	758.3	29.89	759 3	82.7	28.2	73	wnw.	13.0	5.8	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	28.03	711.9	29.83	757.6	96.2	35.7	11	w.	9.0	4.0	.....	.....	0	.....	.....	0	0	blue sky	
Belgaum	27.36	695.0	29.83	757.8	90.8	32.7	12	e.	5.0	2.2	.....	.....	0	.....	.....	0	0	blue sky	
Lahore	29.19	741.4	29.95	760.7	70.4	21.3	73	e.	4.0	1.8	.....	.....	10	.....	.....	0	0	overcast	
Roorkee	28.97	735.8	29.87	758.7	79.7	26.5	31	w.	4.0	1.8	.....	.....	10	w.	.....	0	0	overcast	
Agra	29.32	744.7	29.88	758.8	89.2	31.8	20	nw.	.....	.....	.....	.....	6	.....	w.	0	0	d. clouds	
Nagpur	28.82	732.0	29.83	757.7	96.5	35.8	23	calm	1.0	0.4	.....	.....	3	w.	.....	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Bubbulpore	28.55	725.0	29.88	758 9	90.7	32.6	26	calm	0	0			1			0	0	blue sky	
Lucknow	29.49	749.1	29.86	758.6	85.1	29.5	28	wnw.	10.0	4.5			0			0	0	misty	
Allahabad	29.55	750.5	29.86	758.4	89.0	31.7	26	nw.	4.0	1.8			9	w.		0	0	d. clouds	
Patna	29.63	752.7	29.82	757.3	89.6	32.0	21	wnw.	4.0	1.8			6	wnw.	wnw.	0	0	d. clouds	
Hazaribagh	27.86	707.7	29.85	758.3	84.1	28.9	17	nw.	4.0	1.8			1	nw.		0	0	d. clouds	
Cuttack	29.77	756.2	29.86	758.3	89.8	32.1	39	ese.	2.0	0.9			0			0	0	blue sky	
Calcutta, Alipore	29.82	757.4	29.84	758.0	86.3	30.2	38	wsw.	0.5	0.2			0			0	0	blue sky	
Dhubri	29.71	754.6	29.83	757.6	83.5	28.6	40	calm	0	0			0			0	0	blue sky	
Chittagong	29.78	756.4	29.87	758.8	81.7	27.6	60	sw.	2.3	1.0			0			0	0	misty	
Sibsagar	29.55	750.5	29.89	759.2	75.4	24.1	71	ne.	2.0	0.9			0			0	0	blue sky	
Jeypore	28.42	721.9	29.84	758 0	89.7	32.1	22	n.	4.0	1.8			6	sw.		0	0	d. clouds	
Zanzibar	29.84	757.8	29.86	758.4	82.6	28.1	79	nne.	8.0	3.6			1	nne.		0	0	d. clouds	
Bellary	28.40	721.3	.....	.....	94.0	34.4	15	ese.	6	2.7		0	0			0	0	blue sky	
Trichinopoly	29.66	753.4	.....	.....	92.7	33.7	39	e.	0.3	0.1		0	0			0	0	blue sky	
ITALIAN.																			
Udine	29.80	757.0	30.22	767.5	59.7	15.4	53	ne.	0.7	0.3			0			0	0		Prof. Giovanni Olodig.
Milan	29.71	754.6	30.23	767.8	57.7	14.3	58	w.	4.3	1.9			0			0	0		Prof. G.V.Schiapparelli
Padua	30.09	764.2	30.20	767.0	57.9	14.4	63	nw.	0.7	0.3			5	n.		0	0		Prof. Dott. Lorenzoni.
Moncalieri	29.28	743.7	30.19	766.8	59.5	15.3	46	sse.	1.8	0.8			3	ne.		0	0		Prof. F. F. Denza.
Genoa	30.06	763.4	30.25	768.3	57.7	14.3	62	sw.	3.8	1.7			0			0	0		Prof. G. M. Garibaldi.
Pesaro	30.18	766.5	30.22	767.7	56.1	13.4	63	n.	10.5	4.7			0			0	0		Prof. Luigi Guidi.
Florence	29.96	761.0	30.22	767.5	56.8	13.8	57	sw.	.....	.....	2		0			0	0		Prof. Costantino Pittei.
Leghorn	30.11	764.7	30.19	766.9	57.0	13.9	64	w.	3.1	1.4			0			0	0		Prof. P. Monte.
Rome	30.03	762 8	30.21	767.2	60.6	15.9	55	nnw.	1.8	0.8			0			0	0		Prof. P. Tacchini.
Lecce	29.90	759.5	30.16	766.0	59.7	15.4	61	nne.	12.5	5.6			0			0	0		Prof. C. de Giorgi.
Cosenza	29.26	743.2	30.16	766.1	59.0	15.0	76	w	2.5	1.1			0			0	0		Prof. D. Conti.
Palermo	29.95	760.8	30.21	767.2	58.5	14.7	62	ene.	5.6	2.5			3			0	0		Prof. G. Cacciatore
Syracuse	30.10	764.5	30.15	765.7	60.1	15.6	71	nne.	3.8	1.7			7	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.67	753.6	.....	.....	59.0	15.0	73	sw.	0	0			0			0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	29.98	761.4	30.01	762.3	32.7	0.4	67	w.	.....	.....	6		10k;ks		w.	0.008	0.2	cloudy	H. Hattori.
Awomori	29.86	758.4	29.90	759.4	30.0	— 1.1	73	w	23.8	10.6			9ks;s		sw.	0.071	1.8	cloudy	K. Ogawa.
Hakodate	29.84	757 9	29.85	758.2	30.0	— 1.1	93	w	27.0	12.1			10 n					snowing	Y.Souma.
Hamamatsu	30.04	763.0	30.14	765.5	38.9	3.8	65	wnw.	.....	.....	4	0	0			0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.16	766.0	30.18	766.5	39.5	4.2	87	n.	6.0	2.7		6ck	0	n.		0	0	fair	Y. Okamoto.
Kagoshima	30.20	767.1	30.21	767.4	43.9	6.6	78	w.	.....	.....	2	.....	10 s			0	0	cloudy	
Kanazawa	30.07	763 8	30.18	766.6	34.5	1.4	93	e.	2.9	1.2		1 ck	4 ks			0	0	fair	S. Endo.
Kioto	30.00	762.0	30.17	766.4	37.4	3.0	84	nnw.	3.1	1.3		0	7ck;ks		w.	0	0	cloudy	M. Tojima.
Kochi	30.15	765.7	30.17	766.2	44.1	6.7	83	nw.	4.8	2.1		7cs	1 s	nw.	nw.	0	0	covered	K. Kusunose
Misaka	30.16	766 2	30.20	766.9	46.6	8.1	72	wnw.	.....	.....	2	.....	10 s		w.	0	0	clear	K. Masusaki & T. Ishitain.
Miyako	29.72	755.0	29.83	757.8	33.0	0.6	88	w.	7.6	3.4		0	0			0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	30.01	762.2	30.22	767.6	40.1	4.5	87	calm	0	0		0	8 cs			0	0	cloudy	
Nemuro	29.50	749.3	29.55	750.6	29.3	— 1.5	88	nw.	27.0	12.1		1 ck	0	nw.		0.17	4.3	clear	A Shibuya.
Niigata	30.08	764.0	30.12	765.0	37.8	3.2	63	w.	10.7	4.7			10 ks		w.	0	0	cloudy	Satoo & Tomikawa.
Nobiru	29.94	760.5	29.96	760.9	32.6	0.3	73	nw.	6.7	2.9		0	0			0	0	clear	Yoshino & Midzushina.
Numadzu	30.00	762.0	30.04	762.9	37.0	2.8	75	ene.	.....	.....	2	0	0			0	0	clear	T. Ohgi.
Osaka	30.15	765.8	30.17	766.2	38.7	3.7	85	e.	5.6	2.5		0	2 ck			0	0	clear	J. Omura.
Sakai	30.14	765.5	30.15	765.7	38.2	3.4	88	wnw.	.....	.....	2	1 c	1 ks	ne.	wnw	0.016	0.4	clear	Yamawchi & Sakamoto.
Sapporo	29.69	754.0	29.76	755.8	26.5	— 3.1	82	n.	9.4	4.2			10 s			0.523	13.3	covered	S. Kimura.
Shimonoseki	30.05	763.3	30.20	767.0	42.5	5.8	76	sw.	.....	.....	1	cs	4 s	w.	w.	0	0	fair	S. Sakano.
Tokei Obs'y, Yeddo	29.98	761.4	30.06	763.4	37.8	3.2	56	n.	12.1	5.4		0?	0?			0	0	cloudy?	The Staff.
Wakayama	30.10	764.5	30.15	765.9	38.9	3.8	80	calm	0	0		1 ck	0	w.		0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.70	754.4	29.89	759.2	81.0	27.2	69	nw.	7.5	3.4			8 km;ks		s.	0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.33	618.0	30.15	765.8	47.5	8.6	62	nnw.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.73	755.2	29.99	761.8	63.0	17.2	67	n.	1.6	0.8		0	0			0	0	light haze	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.21	767.2	30.21	767.2	52.3	11.3	.....	ssw.	.....	.....	3	.....	.....	.....	.....	0.008	0.2	.....	.....
Groningen	30.11	764.9	30.17	766.3	49.3	9.6	.....	n.	.....	.....	1	.....	.....	.....	.....	0	0	.....	.....
Helder	30.15	765.8	30.15	765.8	40.4	8.0	.....	ssw.	.....	.....	4	.....	.....	.....	.....	0	0	.....	.....
Hellevoetsluis	30.19	766 7	30.19	766.7	53.1	11.7	73	sw.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....
Utrecht	30.17	766.3	30.22	767.5	54.0	12.2	66	ssw.	.....	.....	4	.....	6	.....	.....	c	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.89	759.3	.....	.....	76.1	24.5	89	n.	0	0		.....	8	.....	.....	0.008	0.2	.....	Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.93	760.1	29.99	761 7	42.8	6.0	45	sse.	13	6		.....	2	.....	.....	0	0	.....	.....
Brono	29.93	760.1	29.97	761.1	39.4	4.1	80	ssw.	.....	.....	6	.....	8	.....	.....	0.020	0.5	.....	.....
Christiania	29.92	759.9	30.07	763.7	38.5	3.6	58	se.	4	2		.....	2	.....	.....	0.028	0.7	.....	.....
Gjesvær	29.53	750.1	29.56	750.7	37.2	2.9	.....	ne.	.....	.....	2	.....	10	.....	.....	0.213	5.4	.....	.....
Lodingen	29.76	755.9	29 81	757.1	36.3	2.4	57	w.	.....	.....	2	.....	9	.....	.....	0	0	.....	.....
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	30.08	764.0	30.17	766 2	61.9	16.6	56	sw.	6.9	3.1		.....	10	.....	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.88	759.0	30.22	767.7	56.8	13.8	63	ese.	6.3	2.8		.....	3	.....	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	29.79	750 7	29.86	758.5	58.6	14.8	63	w.	16.1	7.2		.....	3	.....	.....	0.087	2.2	.....	.....
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
St. Vincent, Cape Verd Ids.	29.98	761.4	30.01	762.3	69.1	20.6	78	ene.	.....	.....	4	.....	10	.....	.....	0	0	.....	.....
San Salvador, Congo	28.02	711.7	29.83	757.6	83.7	28.7	62	w.	.....	.....	2	.....	6	.....	.....	0	0	.....	.....
Serra da Estrella	25.38	644.0	30.25	768.3	37.2	2.9	88	ese.	21.0	9.4		.....	2	.....	.....	0.004	0.1	.....	.....
RUSSIAN.																			
Akmolinski	29.34	745.2	30.59	776.9	— 8.9	—22.7	92	ne.	16	7		0	0			0	0		Major K. Lasarew.
Archangel	29.78	756.5	29.80	757.0	21.9	— 5.6	87	ssw.	18	8		.....	10	.....	.....	0	0	.....	Capt. Sselliwerstow
Ashuradа	30.04	762.9	29.94	760.5	55.2	12.9	74	wnw.	11	5		S ok	0	.....	.....	0	0	.....	.....
Astrakhan	30.42	772.7	30.34	770.7	29.1	— 1.6	44	e.	18	8		.....	10 s	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.08	763.9	30.03	762.7	39.6	4.2	98	nnw.	22	10		.....	10 kn	.....	.....	0.772	19.6	.....	.....
Barnaul	29.98	761.4	30.55	775.9	— 2.9	—19.4	61	nw.	4	2		.....	0	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.93	760.2	30.43	772.9	24.6	— 4.1	43	ssw.	10	7		.....	10 ks	.....	.....	0	0	.....	.....
Dorpat	29.94	760.5	30.20	767.0	28.4	— 2.0	62	s.	16	7		.....	10ks;n	.....	.....	0	0	.....	Observatory.
Ekaterinburg	29.46	748.3	30.51	774.9	17.8	— 7.9	48	wsw.	27	12		10 c	0	.....	.....	0	0	solar halo	Meteorological Obs'y.
Elisawetgrad	29.97	761.2	30.45	773.5	20.1	— 3.3	85	ene.	13	6		0	6ks;n	.....	.....	inap.	inap.	.....	.....
Kasan	30.50	774.8	30.80	782.4	16.9	— 8.4	76	ssw.	4	2		0	0	.....	.....	0	0	h'vy clouds	Observatory.
Kem	29.73	755.2	29.78	756.5	27.7	— 2.4	75	sw.	45	20		.....	10 ks	.....	.....	0	0	.....	.....
Kerteh	30.12	765.1	30.15	765.7	31.1	— 0.5	.....	se.	7	3		.....	10 n	.....	.....	0.110	2.8	.....	Lagorio & Sastyres.
Kieff	29.82	757.5	30.51	775.0	21.2	— 6.0	74	e.	7	3		c; cs	6 ks	.....	.....	0	0	.....	Observatory.
Koslov	30.17	766.3	30.73	780.5	13.8	—10.1	66	ene.	9	4		0	0	.....	.....	0	0	.....	.....
Lgov	30.04	763.0	30 69	779.5	13.3	—10.4	73	e.	11	5		.....	0	.....	.....	0	0	.....	R.I.Ssaweljew, Ed in'r.
Libau	29.99	761.7	30.01	762.3	30.4	— 0.9	87	sse.	18	8		.....	10	.....	.....	0.031	0.8	snowing	L. Quass.
Lugan	30.19	766.7	30.41	772.4	18.5	— 7.5	61	ene.	18	8		.....	7	.....	.....	0	0	light clouds	Meteorological Obs'y.
Moscow	30.21	767.3	30.74	780.8	18.3	— 7.6	72	s.	4	2		0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27 82	706.7	30.35	770 9	3.6	—15.8	60	calm	0	0		.....	0	.....	.....	0	0	.....	.....
Nikolaiev	30.27	768.9	30.34	770.7	29.1	— 1.6	82	ene.	9	4		.....	10 n	.....	.....	0	0	light clouds	Capt. Kurdakow.

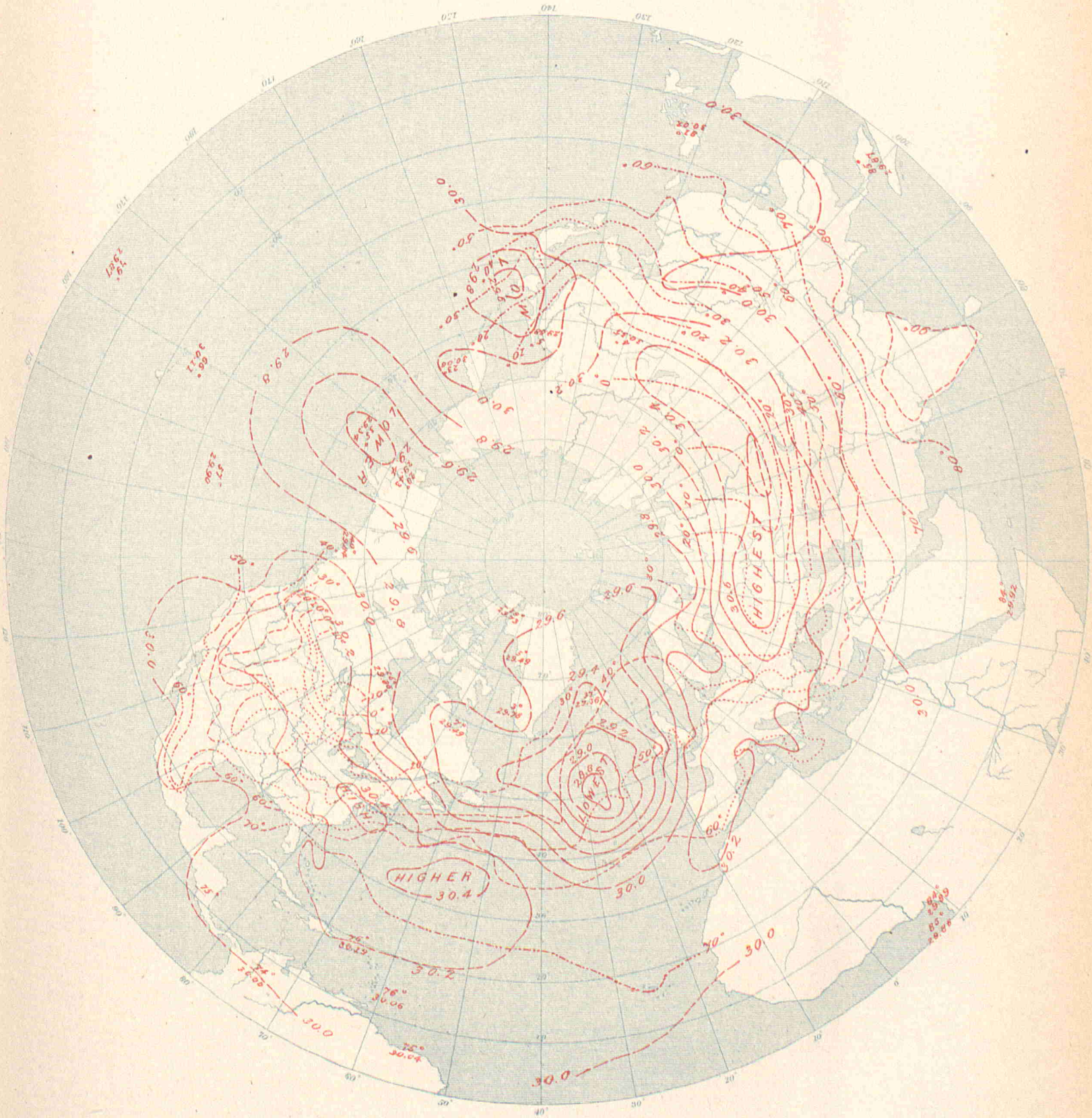
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mus. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.79	756.7	29.88	758.9	4.6	—15.2	68	wnw.	4	2	.....	9 ck	o	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.84	757.9	29.98	761.5	40.3	4.6	68	calm	o	o	.....	o	o	.....	.....	o	o	.....	Siang.
Petro-Alexandrovsk	29.78	756.4	30.14	765.5	48.4	9.1	50	nne.	3.4	1.5	.....	.....	3 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.93	760 2	30.14	765.5	25.5	— 3.6	47	sw.	34	15	.....	.....	10	.....	.....	0.839	1.0	.....	Dr. Bergmann.
Pinsk	29.93	760.1	30.46	773.6	28.8	— 1.8	64	se.	13	6	.....	o	o	.....	.....	o	o	.....	
Poti	30.10	764.5	30.13	765 3	43.5	6.4	86	sw.	9	4	.....	.....	10 n	.....	.....	0.413	10.5	.....	
St. Petersburg	30.23	767.9	30.26	768.5	24.3	— 4.3	45	s.	20	9	.....	.....	10 n	.....	.....	o	o	.....	Central Physical Obs'y.
Samarkand	27.54	699.6	30.01	762.2	54.9	12.7	69	calm	o	o	.....	o	6 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.86	758.5	30.61	777.5	— 2.4	—19.1	76	wnw.	4	2	.....	.....	1	.....	.....	o	o	.....	Major Lasarew
Sevastopol	29.98	761.4	30.20	767.0	40.1	4.5	50	ne.	20	9	.....	o	5 s	.....	.....	o	o	.....	
Staroi Bykhov	29.95	760.8	30.55	776 0	25.5	— 3.6	58	se.	13	6	.....	o	o	.....	.....	o	o	.....	
Tashkend, Laboratory	28.36	720.3	30.04	763.1	51.4	10.8	87	calm	o	o	.....	.....	10 n	.....	.....	.....	.....	.....	Carl Hagen.
Tiflis	28.64	727 4	30.11	764.8	37.8	3.2	78	n.	16	7	.....	.....	10	.....	.....	0.783	19.9	light rain...	Teren, A. M. Physical Observatory
Vernoe	27.48	698.0	30.07	763.8	35.1	1.7	85	sw.	2	1	.....	.....	10 n	.....	.....	.....	.....	.....	Larlono.
Viatka	29.94	760.5	30.62	777.7	23.4	— 4.8	52	wsw.	18	8	.....	.....	1	.....	.....	o	o	.....	
Vladivostock	29.95	760.8	30.02	762.5	9.5	—12.5	70	calm	o	o	.....	.....	o	.....	.....	o	o	.....	
Warsaw	29.75	755.6	30.19	766.9	34.0	1.1	77	s.	16	7	.....	.....	10 n	.....	.....	.....	.....	heavy cl'ds.	Astronomical Obs'y.
Yeniseisk	30.00	762.1	30.33	770.3	— 4.0	—20.0	61	w.	2	1	.....	.....	o	.....	.....	o	o	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	30.03	762.7	30.57	776.5	19.4	— 7.0	51	s.	11.1	5.0	.....	o	o	.....	.....	o	o	clear.....	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	30.11	764 9	30.23	767.8	59.2	15.1	81	e.	.....	.....	.....	8 ck	6	.....	.....	o	o	.....	
Bilbao, Met. Obs'y	29.93?	760.1?	29.98?	761.6?	64.2	17.9	49	se.	1.8	0.8	.....	o	o	.....	.....	0.008	0.2	clear.....	B. Jelin.
Burgos, Met. Obs'y	27.23	691.6	30.25	768.7	47.5	8.6	65	sw.	2.5	1.1	.....	.....	1	.....	.....	0.394	10.0	almost clear	Prof. Manuel de Naveran
Madrid, Royal Obs'y	28 00	711.1	30.26	768.7	52.2	11.2	61	sw.	3.8	1.7	.....	o	o	.....	.....	o	o	clear.....	Domingo Martin.
Murcia, Met. Obs'y	30.04	763.0	30.20	767.1	64.8	18.2	61	ese.	1.3	0.6	.....	3	2	w.	.....	o	o	clouds.....	The Staff.
Santiago, Met. Obs'y	29.18	741.1	30.03	763.9	55.4	13.0	66	s.	13.0	5.8	.....	.....	10	.....	.....	0.067	1.7	covered.....	Olayo Diaz, Director.
Sub-series.																			R. Gil Villanueva, Dir.
Havana, Cuba	30.06	763 5	30.13	765.2	70.9	21.6	91	se.	2.2	1.0	.....	o	k	.....	.....	o	o	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.97	761.2	30.02	762.6	80.6	27.0	58	e.	5.5	2.5	.....	o	8 ks	.....	.....	o	o	cloudy	F. F. Faura, S. J.
San Fernando, Naval Obs'y	30 15	765.8	30.25	768.3	60.3	15.7	57	w.	7.0	3.1	.....	o	1	.....	n.	o	o	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.10	764 4	30.19	766.7	75.6	24.2	72	e.	5.6	2.5	.....	2 cs	3 kn	e.	e.	o	o	cloudy	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	29.78	756.4	29.82	757.4	29.3	— 1.5	70	nw.	.....	.....	4	.....	3	.....	.....	0.335	8.5	.....	
Umea	29.90	759 4	29.95	760.7	39.6	4.2	68	w.	.....	.....	2	.....	o	.....	.....	o	o	.....	
Hernosand	29.92	759.9	29.97	761.2	40.6	4.8	68	sw.	.....	.....	2	.....	5	.....	.....	0.217	5.5	.....	
Stockholm	29.75	755.7	29.93	760.2	33 8	1.0	98	nne.	.....	.....	4	.....	10	.....	.....	0.539	13.7	.....	
Wisby	29.78	756.3	29.84	757.8	37.4	3.0	90	sw.	.....	.....	4	.....	10	.....	.....	0.780	19.8	raining.....	
Sub-series.																			
Upsala	29.86	758.5	29.95	760.7	34.3	1.3	86	n.	9.2	4.1	.....	.....	10	.....	.....	0.004	0.1	.....	H.H. Hildebrandesson
SWISS																			
Geneva	28.81	731.7	30.27	768.9	54.0	12.2	55	n.	.....	.....	2	.....	o	.....	.....	o	o	clear.....	
TURKISH.																			
Constantinople	.....	.....	30.20	767.1	37.0	2.8	89	n.	22	10.0	.....	.....	10	.....	n.	0.142	3.6	.....	The Observatory.
Valona	.....	.....	30.21	767.2	64.0	17.8	.....	nw.	.....	.....	2	.....	5	.....	.....	o	o	½ covered...	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.03	762.8	61.2	16.2	49	wsw.	.....	.....	2	.....	o	.....	.....	o	o	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	30.29	769.4	30.38	771.6	38.4	3.6	68	n.	1	0.4	.....	4 cs	hz.	nw.	.....	0.08	2.0	fair	J. O. Barnes.
Alpena, Michigan	29.43	747.5	30.13	765 3	28	— 2.2	77	sw.	9	4.0	.....	o	o	.....	.....	inap.	inap.	clear.....	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.10	637.5	30.12	765.0	25.1	— 3.8	88	e.	3	1.3	.....	o	o	.....	.....	o	o	clear.....	J. B. Turton.
Assinnaboine, Ft., Montana	27.26	692.4	30.28	769 1	10.8	—11.8	66	w.	14	6.3	.....	o	o	.....	.....	o	o	clear.....	J.J.O'Connor.
Atlanta, Georgia	28 96	735.6	30.17	766 3	43.0	6.1	93	se.	17	7.6	.....	.....	10 n	.....	se.	1.28	32.5	heavy rain.	S. W. Beall.
Atlantic City, New Jersey	30.40	772.1	30.40	772.1	39.4	4.1	73	w.	2	0.9	.....	10 k	o	w.	.....	0.01	0.3	cloudy.....	B.A.Blundon.
Augusta, Georgia	30.04	763.0	30.24	768.1	48 3	9.1	75	ne.	12	5.4	.....	.....	10 n	.....	n.	0.74	18.8	light rain....	W.J.Evans.
Baltimore, Maryland	30.39	771.9	30.44	773.2	43.5	6.4	60	nw.	1	0.4	.....	.....	10s;sk	.....	.....	0.04	1.0	cloudy.....	Geo. W. Felger.
Barnegat City, New Jersey	30 38	771.6	30.40	772.1	39.2	4.0	70	nw.	8	3.6	.....	.....	10 s	.....	sw.	inap.	inap.	cloudy.....	J.P.Sherry.
Bennett, Fort, Dakota	28.76	730.5	30.46	773.7	14.0	—10.0	66	calm	o	o	.....	o	o	.....	.....	0.03	0.8	clear.....	A. Pritchard.
Benton, Fort, Montana	27.32	693.9	30.30	769.6	33.2	0.7	87	ne.	4	1.8	.....	.....	10 s	.....	sw.	o	o	cloudy	C.S.Bennett.
Bismarck, Dakota	28.42	721.9	30.34	770.6	— 1.4	—17.0	83	calm	o	o	.....	o	o	.....	.....	o	o	clear.....	B. O. Lenoir.
Block Island, Rhode Island	30.35	770 9	30.38	771.6	38.0	3.3	72	w.	7	3.1	.....	7 cs	o	nw.	.....	0.01	0.3	fair.....	J. T. Elker.
Boise City, Idaho	27.40	695.9	30.32	770.1	31.6	— 0.2	74	sw.	3	1.3	.....	o	o	.....	.....	0.22	5.6	clear.....	James Kenealy.
Boston, Massachusetts	30.15	765.8	30.31	769.9	36.5	2.5	84	sw.	8	3.6	.....	5 cs	o	sw.	.....	o	o	fair.....	O. B. Cole.
Brownsville, Texas	30.01	762.2	30.07	763.8	56.2	13.4	93	nw.	7	3.1	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	John McGlone.
Buffalo, New York	29.52	749.8	30.32	770.1	33	0.6	74	sw.	18	8.0	.....	3 cs	o	w.	.....	o	o	clear.....	D.Cuthbertson.
Buford, Fort, Dakota	28.15	715 0	30.31	769.9	— 6.8	—21.6	87	w.	1	0.4	.....	o	o	.....	.....	o	o	clear.....	A. Schneider.
Cairo, Illinois	29.88	758.9	30.30	769.6	39.0	3.9	54	se.	3	1.3	.....	5 cs	o	w.	.....	o	o	fair.....	W. H. Ray.
Canby, Fort, Washington Ter	29.87	758.7	30.07	763.8	43.3	6.3	74	e.	15	6.7	.....	4 cs	3 s	n.	e.	o	o	fair.....	J.H.Young.
Cape Henry, Virginia	30.40	772.1	30.42	772.7	44.5	6.9	83	n.	16	7.2	.....	.....	10 s	.....	.....	0.46	11.7	cloudy	A. K. Alderson.
Cape May, New Jersey	30.38	771.6	30.41	772.4	41.5	5.3	73	nw.	2	0.9	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy.....	W.E.Smith.
Cape Mendocino, California	29.29	744.0	29.98	761.5	48	8.9	86	calm	o	o	.....	.....	10 s	.....	.....	o	o	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.06	763.5	30.08	764.0	71.3	21.8	93	s.	15	6.7	.....	.....	10 k	.....	s.	inap.	inap.	cloudy.....	G. W. Davis.
Charleston, S. Carolina	30.07	763.8	30.13	765.3	52.5	11.4	98	ne.	14	6.3	.....	.....	10 s	.....	ne.	1.23	31.2	threatening.	J. H. Smith.
Charlotte, N. Carolina	29.44	747.8	30.32	770.1	40.7	4.8	88	ne.	12	5.4	.....	.....	10 n	.....	ne.	0.87	22.1	light rain....	D. O'Donoghue.
Chattanooga, Tennessee	29.34	745.2	30.19	766.8	44.0	6.7	60	ne.	8	3.6	.....	.....	10 s	.....	sw.	o	o	cloudy	B. L. Goulding.
Cheyenne, Wyoming	24 02	610.1	30.22	767.6	19.4	— 7.0	59	nw.	14	6.3	.....	.....	o	.....	.....	o	o	clear.....	E. McGovern.
Chicago, Illinois	29.51	749.5	30.25	768.3	36.4	2.4	54	sw.	8	3.6	.....	o	o	.....	.....	o	o	clear	Wm. Norrington.
Chincoteague, Virginia	30.39	771.9	30.41	772.4	44.8	7.1	58	ne.	12	5.4	.....	.....	10 ks	.....	ne.	0.10	2.5	cloudy.	C. F. Dickens
Cincinnati, Ohio	29.08	753.9	30.37	771.4	40.0	4.4	82	s.	1	0.4	.....	.....	10 s	.....	sw.	o	o	cloudy.....	L. Dunne.
Cleveland, Ohio	29.59	751.6	30.37	771 4	33.5	0.8	52	sw.	9	4.0	.....	.....	2 s	.....	.....	o	o	clear.....	W. Line.
Columbus, Ohio	29.50	749.3	30.39	771.9	34	1.1	72	s.	1	0.4	.....	3 cs	6 s	s.	s.	o	o	cloudy	F.T. Williams
Concho, Fort, Texas	28.22	716.8	30.19	766.8	29.9	— 1.2	88	nw.	4	1.8	.....	.....	7 k	.....	.....	inap.	inap.	fair.....	C. E. King.
Custer, Fort, Montana	26 99	685.5	30.32	770.1	16.7	— 8.5	70	sw.	2	0.9	.....	o	o	.....	.....	o	o	fair.....	W.J.Daily.
Davenport, Iowa	29.52	749.8	30.22	767.6	37.5	3.1	65	sw.	2	0.9	.....	3 cs	hz.	.....	.....	o	o	clear.....	R. R. Martin.
Davis, Fort, Texas	25 32	643 1	30.19	766.8	30.2	— 1.0	80	sw.	4	1.8	.....	o	o	.....	.....	o	o	clear.....	J. Williams.
Dayton, Washington T'y	28 48	723 4	30.30	769.6	29.2	— 1.6	75	se.	8	3.6	.....	10 cs	o	nw.	.....	0.04	1.0	cloudy	T.Gibson.
Deadwood, Dakota	25.46	646.7	30.30	769.6	18.0	— 7.8	73	s.	4	1.8	.....	5 c	o	.....	.....	o	o	fair	G.W.Scott.
Delaware Breakwater, Del.	30.24	768 1	30.26	768.6	39.9	4.4	72	n.	3	1.3	.....	.....	10 s	.....	.....	0.03	0.8	cloudy.....	G.A.Martin.
Denver, Colorado	24.78	629.4	30.22	767 6	32.0	0.0	55	w.	10	4.5	.....	o	2 s	.....	w.	o	o	clear.	F. M. Neal.
Des Moines, Iowa	29.24	742.7	30.20	767.1	40	4.4	57	w.	3	1 3	.....	7 cs	o	sw.	.....	o	o	fair.....	F. W. Conrad.
Detroit, Michigan	29.55	750 6	30.30	769.6	42.1	5.6	83	s.	9	4.0	.....	o	o	.....	.....	o	o	clear.....	N.B.Conger.
Dodge City, Kansas	27.42	696.5	30.15	765.8	33	0.6	62	nw.	3	1.3	.....	10 cs	o	.....	.....	o	o	cloudy..	J.E.Lanouette.
Dubuque, Iowa	29.47	748.5	30.22	767.6	31.3	— 0.4	74	nw.	3	1.3	.....	o	1 s;fg	.....	ne.	o	o	clear.....	J. Harvey Smith
Duluth, Minnesota	29.46	748.3	30.25	768.3	3.6	—15.8	72	sw.	7	3.1	.....	o	o	.....	.....	0.02	0.5	clear.....	E.R.Brace.
Eastport, Maine	30.00	762.9	30.07	763.8	34.0	1.1	72	sw.	10	4.5	.....	4 c	o	w.	.....	0.28	7.1	fair.....	D. C. Murphy.
Elliott, Fort, Texas	27.27	692.6	30.10	764.5	37.2	2.9	72	calm	o	o	.....	o	1 s	.....	.....	o	o	clear	J. C. Rickli.
El Paso, Texas	26.35	669 3	30.15	765.8	40.0	4.4	34	w.	5	2.2	.....	o	o	.....	.....	o	o	clear.....	F. Belford.
Erie, Pennsylvania	29.60	751.8	30.36	771.1	34.5	1.4	73	s	12	5.4	.....	2 c	o	w.	.....	o	o	clear.....	P. Wood.
Escanaba, Michigan	29.47	748.5	30.18	766.6	7.0	—15.9	71	s.	6	2.7	.....	o	o	.....	.....	0.01	0.3	clear	L.M.Pindell.
Fort Smith, Arkansas	29.71	754.6	30.20	767.1	37.5	3.1	61	e.	2	0.9	.....	o	o	.....	.....	o	o	clear.....	J. B. Campbell.
Galveston, Texas	30.05	763.3	30.09	764.3	49.3	9.6	71	ne.	18	8.0	.....	.....	10 s	.....	sw.	0.36	9.1	cloudy.....	E. O'C. Macinerney
Grand Haven, Michigan	29.52	749.8	30.22	767.6	35.0	1.7	69	s.	11	4.9	.....	hz.	2 s	.....	s.	inap.	inap.	clear.....	Joseph E. Mueller.
Grant, Fort, Arizona	25.29	642.4	30.12	765.0	35.8	2.1	58	ne.	6	2.7	.....	4 c	o	w.	.....	o	o	fair	Chas. A. Read.
Hatteras, North Carolina	30.27	768.8	30.28	769.1	49.3	9.6	77	ne.	20	8.9	.....	.....	10 s	.....	ne.	0.40	10.2	cloudy.....	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.98	659.9	30.30	769.6	22.7	— 5.2	67	w.	1	0.4	.....	1 ck	0	w.	.....	0.02	0.5	clear	S. W. Morrison.
Huron, Dakota	28.90	734.0	30.38	771.6	12.2	—11.0	71	n.	7	3.1	.....	0	1 s	.....	.....	0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.48	748.8	30.32	770.1	34.3	1.3	59	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	C. F. R. Wappenhans
Indianola, Texas	30.07	763.8	30.10	764.5	50.1	10.1	62	n.	15	6.7	.....	0	4 ks	.....	w	0.17	4.3	clearing	I. A. Reed.
Jacksonville Florida	30.06	763.5	30.11	764.8	69.4	20.8	90	se.	4	1.8	.....	2 cs	1 k	.....	.....	0	0	clear	J. W. Smith.
Keokuk, Iowa	29.53	750.0	30.22	767.6	37.0	2.8	61	s.	5	2.2	.....	0	0	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.11	764.8	30.13	765.3	75.5	24.2	84	se.	11	4.9	.....	0	2 k	.....	se.	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.30	769.6	30.32	770.1	45.0	7.2	69	ne.	36	16.1	.....	.....	10 s	.....	ne.	0.87	22.1	cloudy	Wesley Blake.
Knoxville, Tennessee	29.16	740 7	30.22	767.6	44	6.7	43	ne.	10	4.5	.....	.....	10 s	.....	s.	0.01	0.3	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.47	748.5	30.29	769.4	13	—10.6	61	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	S. C. Emery.
Leavenworth, Kansas	29.27	743.4	30.21	767.3	37	2.8	51	s.	6	2.7	.....	0	2 s	.....	.....	0	0	clear	C. Dill.
Lewiston, Idaho	29.47	748.5	30.33	770.4	32.0	0.0	68	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.85	758.2	30.18	766.6	45.0	7.2	83	ne.	3	1.3	.....	0	3 s	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.74	755.4	30.14	765.5	50.5	10.3	83	ne.	9	4.0	.....	.....	10 s	.....	e.	0	0	cloudy	T. S. Collins.
Louisville, Kentucky	29.72	754.9	30.31	769.9	30.0	2.6	69	ne.	4	1.8	.....	6 c	0	w.	.....	0	0	fair	E. B. Garriott.
Lynchburg, Virginia	29.67	753.6	30.39	771.9	46.0	7.8	33	ne.	5	2.2	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.45	748.0	30.15	765.8	23.0	— 5.0	88	sw.	14	6.3	.....	7 cs	0	.....	.....	0.12	3.0	fair	D. B. Notson.
Macon, Fort, North Carolina	30.26	768.6	30.27	768.8	49.2	9.6	67	ne.	35	15.6	.....	.....	10 s	.....	ne.	0.33	8.4	cloudy	William Daly.
Maginnis, Fort, Montana	25.66	651.8	30.26	768.6	18.4	— 7.6	42	w.	12	5.4	.....	2 k	0	w.	.....	0.04	1.0	clear	F. Burke.
Marquette, Michigan	29.40	746.7	30.17	766.3	9.0	—12.8	55	w.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	J. Gilligan.
Memphis, Tennessee	29.83	757.7	30.18	766.6	42.5	5.8	76	ne.	6	2.7	.....	2 cs	1 s	s.	n.	0	0	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.42	747.3	30.21	767.3	35.5	1.9	74	w.	11	4.9	.....	0	sk.	.....	.....	0	0	clear	S. W. Rhode.
Mobile, Alabama	29.98	761.5	30.02	762.5	54.5	12.5	92	ne.	3	1.3	.....	.....	10 n	.....	ne.	2.89	73.4	heavy rain	H. U. Jones.
Montgomery, Alabama	29.82	757.4	30.06	763.5	49	9.4	96	se.	9	4.0	.....	.....	10 s	.....	.....	1.07	27.2	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.22	742.2	30.30	769.6	—10	—23.3	95	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	H. Bessant.
Mt. Washington, N. H.	23.43	595.1	29.95	760.7	4.5	—15.3	89	nw.	70	31.2	.....	0	fg.	.....	nw.	1.00	25.4	clear	J. H. Melton.
Nashville, Tennessee	29.62	752.3	30.22	767.6	39.6	4.3	57	ne.	7	3.1	.....	10 cs	0	sw.	.....	0	0	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	30.24	768.1	30.36	771.1	35.3	1.8	56	w.	2	0.9	.....	4 c	2 s	s.	.....	0.03	0.8	fair	J. H. Sherman.
New London, Connecticut	30.31	769.9	30.36	771.1	37.0	2.8	72	nw.	3	1.3	.....	3 cs	3 s	w.	nw	0.12	3.0	fair	J. G. Lynch.
New Orleans, Louisiana	29.96	761.0	30.02	762 5	51.7	10.9	94	e.	6	2.7	.....	.....	10 n	.....	e.	2.04	51.8	thund'r st'm	M. Herman.
New York, New York	30.22	767.6	30.40	772.1	37	2.8	55	w.	6	2.7	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	W. Finn.
Norfolk, Virginia	30.36	771 1	30.39	771.9	45.4	7.4	65	ne.	9	4.0	.....	.....	10 n	.....	ne.	0.02	0.5	hailing	Wm. Davis.
North Platte, Nebraska	27.14	689 3	30.20	767.1	28.0	— 1.9	76	n.	6	2.7	.....	0	4 s	.....	.....	0	0	fair	E. F. Brady.
Olympia, Washington Ter	30.14	765.5	30.18	766.6	32.6	0.3	83	calm	0	0	.....	0	0	.....	.....	0.04	1.0	clear	J. Dascomb.
Omaha, Nebraska	28.97	735.8	30.22	767.6	33.0	0.6	74	n.	8	3.6	.....	.....	10 s	.....	n	0	0	cloudy	A. Pollak
Oswego, New York	29.95	760.7	30.29	769.4	37.2	2.9	61	sw.	5	2.2	.....	4 cs	0	w.	.....	0.16	4.1	fair	J. G. Linsley.
Palestine, Texas	29.56	750.8	30.13	765.3	43.4	6.3	58	ne.	12	5.4	.....	0	1 s	.....	.....	0	0	clear	P. T. Jenkins.
Pensacola, Florida	30.01	762.2	30.04	763.0	54.1	12.3	95	ne.	16	7.2	.....	.....	10 n	.....	.....	2.47	62.7	thnd'r storm	M. McGauran.
Philadelphia, Pa	30.31	769.9	30.41	772.4	43.0	6.1	60	nw.	3	1.3	.....	.....	10 k	.....	nw.	0.02	0.5	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.56	446.0	30.15	765.8	—10.0	—23.3	70	n.	17	7.6	.....	0	3 ks	.....	nw.	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.57	751.1	30.42	772.7	30.8	2.7	72	sw.	1	0.4	.....	4 cs	0	.....	.....	inap.	inap.	fair	O. D. Stewart
Poplar River, Montana	.....	.....	.....	.....	5.9	—14.5	.....	.....	.....	.....	.....	1 c	0	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.51	749.5	30.23	767.8	32.4	0.2	78	s.	13	5.8	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Portland, Maine	30.13	765.3	30.18	766.6	35.0	1.7	53	sw.	12	5.4	.....	0	0	.....	.....	0	0	clear	W. W. Eichelberger.
Portland, Oregon	30.05	763.3	30.12	765.0	38.0	3.3	92	nw.	4	1.8	.....	2 cs	3 s	.....	.....	0	0	fair	M. L. Hearne.
Prescott, Arizona	24.90	632 4	30.24	768.1	28.8	— 1.8	86	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	N. D. Lane.
Provincetown, Mass	30.29	769.4	30.32	770.1	36.7	2.6	60	sw.	10	4.5	.....	10 cs	0	sw.	.....	0.01	0.3	cloudy	O. N. Kitchel.
Red Bluff, California	29.76	755.9	30.13	765.3	45.5	7.5	79	nw.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	J. R. Williams.
Rio Grande City, Texas	29.94	760.5	30.18	766.6	57.0	13.9	60	nw.	3	1.3	.....	0	5 s	.....	nw.	0	0	fair	L. G. Schultz.
Rochester, N. Y	29.59	751.6	30.29	769.4	33	0.6	78	sw.	10	4.5	.....	7 c	hz.	w.	.....	inap.	inap.	fair	E. W. McGann.
Roseburg, Oregon	29.51	749.5	30.07	763.8	40	4.4	85	calm	0	0	.....	.....	fg.	.....	.....	0.01	0.3	dense fog	J. J. Nanry.
Sacramento, California	30.02	762.5	30.09	764.3	48.5	9.2	86	nw.	2	0.9	.....	.....	10 s	.....	se.	0	0	cloudy	J. A. Barwick.
St. Louis, Missouri	29.64	752.8	30.29	769.4	43.6	6.4	59	se.	7	3.1	.....	1 cs	sk.	.....	.....	0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.40	746.7	29.43	747.5	20	— 6.7	100	ne.	5	2.2	.....	.....	10 n	.....	.....	inap.	inap.	light snow	Fred. H. Clarke.
St. Paul, Minnesota	29.39	746.5	30.30	769.6	9.5	—12.5	78	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	P. F Lyons.
St. Vincent, Minnesota	29.37	746.0	30.31	769.9	— 4	—20.0	79	nw.	5	2.2	.....	5 ck	0	.....	.....	0	0	fair	C. B. Dilley.
Salt Lake City, Utah	25.81	655.6	30.33	770.4	29.3	— 1.5	56	ne.	3	1.3	.....	0	0	.....	.....	0.04	1.0	clear	J. Craig.
San Diego, California	30.04	763.0	30.11	764.8	50.0	10.0	83	ne.	3	1.3	.....	8 cs	0	nw.	.....	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.59	751.6	30.31	769.9	36	2.2	53	sw.	16	7.2	.....	0	0	.....	.....	0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	30.38	771.6	30.42	772.7	38.2	3.4	72	w.	12	5.4	.....	10 ck	0	w.	.....	0.04	1.0	cloudy	V. P. Chappel.
Sanford, Florida	30.04	763.0	30.09	764.3	70.5	21.4	87	s.	9	4.0	.....	.....	10 ks	.....	sw.	0.01	0.3	cloudy	J. B. Marbury
San Francisco, California	29.97	761.2	30.04	763.0	53.3	11.8	71	e.	2	0.9	.....	.....	10 s	.....	w.	0	0	cloudy	N. Gorom
Savannah, Georgia	30.03	762.7	30.12	765 0	62	16.7	86	e.	8	3.6	.....	.....	10 s	.....	e.	0.82	20.8	threatening	H. W. Ford.
Shaw, Fort, Montana	26.47	672.3	30.27	768.8	23	— 5.0	64	sw.	16	7.2	.....	0	0	.....	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.89	759.2	30.06	763.5	45.0	7.2	47	n.	7	3.1	.....	3 c	0	.....	.....	0	0	clear	E. N. Meekins.
Sitka, Alaska	29.77	756.1	29.84	757.9	39.7	4.3	65	e.	9	4.0	.....	.....	10 ks	.....	e.	0.08	2.0	cloudy	F. W. Fickett.
Smithville North Carolina	30.18	766.6	30.22	767.6	49.3	9.6	87	ne.	27	12.1	.....	.....	10 s	.....	se.	0.86	21.8	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	28.20	716.3	30.34	770.6	18.5	— 7.5	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.54	750.3	30.26	768.6	35.5	1.9	97	s.	7	3.1	.....	0	0	.....	.....	0	0	clear	T. B. Jennings.
Stockton, Fort, Texas	27.04	686.8	30.12	765.0	35.5	1.9	52	calm	0	0	.....	0	0	.....	.....	0.05	1.3	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	30.02	762.5	30.12	765.0	40.8	4.9	77	e.	24	10.7	.....	3 cs	0	sw.	.....	0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.43	696.7	30.21	767.3	40	4.4	78	calm	.....	.....	0	.....	10 s	.....	.....	0	0	cloudy	R. O. Lord.
Toledo, Ohio	29.58	751.3	30.31	769.9	34.5	1.4	66	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	A. Buell.
Unalashka, Alaska	29.32	744.7	29.34	745.2	35	1.7	79	s.	4	1.8	.....	4 cs	2 s	.....	.....	0.06	1.5	fair	Samuel Applegate.
Vicksburg, Mississippi	29.85	758.2	30.11	764.8	48	8.9	59	n.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	F. W. Mixer.
Washington, D. C	30.32	770.1	30.44	773.2	47.1	8.1	56	nw.	2	0.9	.....	.....	10s; fg	.....	nw.	inap.	inap.	cloudy	T. B. Harrison.
West Las Animas, Colorado	26.10	662.9	30.17	766.3	21.5	- 5.8	54	w.	9	4.0	.....	0	3 s	.....	w.	0	0	clear	F. H. Brandenburg.
Wilmington, N Carolina	30.16	766.1	30.22	767 6	48.5	9.2	86	ne.	17	7.6	.....	.....	10 s	.....	e.	0.31	7.9	cloudy	L. H. Albrecht.
Yankton, Dakota	28.93	734.8	30.32	770.1	22.6	— 5.2	73	ne.	6	2.7	.....	2 c	0	.....	.....	0	0	clear	E. H. Thompson.
Yuma, Arizona	29.99	761.7	30.14	765.5	51.6	10.9	56	sw.	2	0.9	.....	6 c	0	.....	.....	0	0	fair	W. S Delano.
Sub-series.																			
Behringsland, Kamchatka	30.04	763.0	30.06	763.6	22.8	— 5.1	93	nw.	10	4.5	.....	0	8 k	.....	nw.	0	0	cloudy	George Cheruick.
Bluefields, Nicaragua, C. A	.....	.....	.....	.....	80	26.7	.....	ne.	.....	.....	2	0	4 k	.....	ne.	0	0	fair	W. H. Jackson.
Bogota, U. S. C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Joaquin Gomez.
Chimo, Fort, Ungava	22.01	559.0	.....	.....	53.6	12.0	93	sw.	2	1	.....	.....	10 pk	.....	.....	0.248	6.3	light snow	L. M. Turner.
Kingston, Jamaica, W. I	29.34	745.2	29.49	749.0	7	—13.9	100	ne.	41	18.3	.....	.....	10 n	.....	ne.	0.29	7.4	clear	Robert Johnstone.
Paramaribo, S. A	.....	.....	30.14	765 5	67.2	19.6	82	n.	1	0.4	.....	0	1 s	.....	e.	0	0	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	30.04	763.0	30.04	763.0	75	23.9	90	e.	.....	.....	3	.....	10 n	e.	e.	1.320	33.5	clear	Francesco J. Olsuerez.
Rivas, Nicaragua, C. A	29.44	747.8	30.00	762.0	74	23.3	94	s.	.....	.....	1	3 ck	4 ks	calm	s	0	0	cloudy	Earl Flint.
York Factory, B. A	.....	.....	.....	.....	75	23.9	84	ne.	.....	.....	2	.....	1 ks	.....	ne.	0	0	clear	Fortescue & Wood.
	29.79	756.7	29 86	758.4	—26.0	—32.2	.....	w.	10	4.5	.....	4 k	4 s	w.	w.	0	0	threatening	
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.02	762.4	30.03	762.7	75.9	24.4	87	n.	0.2	0.1	.....	.....	8 k	.....	n.	0	0	.....	P. Fasiani.
Naos, Bay of Panama	29.95	760.7	30.02	762.4	72.7	22.6	95	n.	.....	.....	4	.....	1 k	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Assyrian Monarch, N. 41° 11′, W. 46° 55′	.....	.....	58	14.4	.....	wnw	.....	.....	6	.....	8	.....	nw	1 h'r	1 h'r	mod.	var.	gloomy.
S. Armenia, N. 42° 35′, W. 59° 30′ *	29.98	761.5	49	9.4	.....	w	.....	.....	5	.....	10	.....	w.	1 h'r	1 h'r	mod.	sw.	overcast.
S. S. Antonio Lopez, N. 19° 47′, W. 70° 00′	30.24	768.1	75	23.9	81	ne.	.....	.....	4	.....	4	.....	.....	o	o	mod.	ne.	fair.
S. S. America, N. 52° —′, E. 3° —′	.....	.....	50	10.0	79	sw.	.....	.....	8	.....	7	.....	sw.	o	o	sm'h	sw.	fair.
S. S. Athos, Savanilla, U. S. C	.....	.....	.....	.....	.....	ese.	.....	.....	4	.....	0	.....	.....	o	o	.....	.....	clear.
S. S. Bothnia, N. 49° 16′, W. 31° 26′	28.84	732 5	57?	13.9?	...	nw.	.....	.....	7	.....	8	.....	nnw.	8 h'r	8 h'r	h'vy	sw.	gloomy.
S. S. British Princess, N. 51° 03′ W. 14° 00′ †	29.37	746.0	.....	.....	.....	ssw.	.....	.....	6	.....	5	.....	ssw.	5 h'r	5 h'r	high	sw.	fair.
S. S. Caracas, La Guaira, Venezuela*†	30.10	764.5	77	25.0	77	calm	.....	.....	0	.....	2	.....	ene.	o	o	mod.	nne.	clear.
S. S. Celtic, N. 51° 01′, W. 13° 43′ †	29.33	745.0	.....	.....	76	ssw.	.....	.....	7	.....	7	.....	wsw.	5 h'r	5 h'r	h'vy	wsw.	showery.
S. Dora, N. 37° 00′, W. 56° 25′ *†	30.47	773.9	60.8	16.0	.....	wnw.	.....	.....	6	.....	8	.....	wnw.	o	o	mod.	wnw.	cloudy.
S. S Donau, N. 41° 20′, W. 64° 32′	30.20	767.1	.....	.....	.....	w.	.....	.....	5	.....	1	.....	w.	2 h'r	2 h'r	light	w.	fair.
S. S. Canada, (Fr) N. 48° 15′, W. 31° 05′	28.84	732.5	46.4	8	.....	w.	.....	.....	6	.....	str.	.....	w.	o	o	large	w	
S. S. England, off Saltees Lt, Ireland	29.64	752 8	.....	.....	.....	s.	.....	.....	6	.....	10	.....	s.	8 h'r	8 h'r	h'vy	s.	hazy.
S. S. France, N. 48° 15′, W. 22° 12′	.....	.....	.....	.....	.....	ssw.	.....	.....	6	.....	7	.....	sw.	rain	rain	large	ssw.	fair.
Bk. Fred. W. Carlon, N. 29° 04′, W. 79° 36′ †	30.21	767.3	.....	.....	.....	s.	.....	.....	5	.....	2	.....	s.	o	o	mod.	s.	fair.
Bk. Godeffroy, N. 38° 11′, W. 75° 18′	30.35	770.9	46.8	8.2	70	n.	.....	.....	5	.....	10	.....	wsw.	2¼ h'r	2¼ h'r	sm'h	n.	cloudy.
S. S. George S. Thomas, N. 21° 39′, W. 58° —	.....	.....	.....	.....	.....	ene.	.....	.....	3	.....	2	.....	ne.	1 h'r	1 h'r	cross	.....	squally.
S. S. Greece, N. 48° 50′, W. 20° 31′ †	29.18	741.2	47	8.3	.....	ssw	.....	.....	6	.....	9	.....	sw.	4 h'r	4 h'r	r'gh	cross	squally.
S. S. Iowa, N. 48° 50′, W. 27° 36′ †	28.75	730.2	46	7.8	.....	wnw.	.....	.....	5	.....	7	.....	wnw.	3 h'r	3 h'r	r'gh	wnw.	squally.
S. S. Lord Clive, N. 48° 38′, W. 27° 53′	.....	.....	.....	.....	.....	wnw.	.....	.....	5	.....	7	.....	wnw.	.....	.....	high	w.	squally.
S. S. Lampassas, N. 25° 03′, W. 84° 05′	30.10	764.5	72	22.2	.....	sse.	.....	.....	3	.....	1	.....	s.	o	o	sm'h	.....	clear.
Bg. L. F. Munson, Matanzas, Cuba, W. I*†	30.18	766.6	76	24.4	.....	se.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
Bg. Lilian, N 37° 45′?, W. 74° 35′? †	30.37	771.4	43	6.1	.....	ne.	.....	.....	.....	.....	10	.....	.....	1 h'r	1 h'r	mod.	.....	cloudy.
S. S. Nurnberg, N. 40° 30′, W. 73° 00′	30.39	771.9	39.2	4.0	.....	w.	.....	.....	3	.....	4	.....	w.	1½ h'r	1½ h'r	mod.	sw.	fair.
S. S. New York, N 38° 12′, W. 74° 30′*†	30.46	773.7	50	10.0	.....	nne.	.....	.....	3	.....	7	.....	nne.	.....	.....	sm'h	.....	fair.
S. S. Nessmore, Liverpool, Eng	.....	.....	48	8.9	85	sw.	.....	.....	6	.....	4	.....	sw.	o	o	.....	.....	fair.
Schr. Norena, N. 36° 24′, W. 72° 35′ *†	30.40	772.1	.....	.....	.....	n.	.....	.....	3	.....	10	.....	ese.	2 h'r	2 h'r	light	ne.	raining.
S. S. Orinoco, Hamilton, Bermuda †	30.43	772.9	70	21.1	.....	se.	.....	.....	1	.....	9	.....	se.	o	o	.....	.....	cloudy.
Bk. Orpheus, N. 42° 10′, W. 52° 29′ *	30.08	764.0	56	13.3	.....	wsw.	.....	.....	4	.....	48	.....	sw.	o	o	sm'h	.....	hazy.
S. S. Pavonia, N. 40° 15′, W. 67° 36′	30.35	770.9	51	10.6	79	nw.	.....	.....	4	.....	7	.....	nw.	o	o	sm'b	.....	fair.
S. S. Pennsylvania, N. 49° 32′, W. 24° 12′ †	28.85	732.8	50	10.0	93	ssw.	.....	.....	6	.....	9	.....	w.	2 h'r	2 h'r	h'vy	sw.	squally.
S. S. Rhaetia, N. 46° 50′, W. 33° 37′	.....	.....	50	10.0	.....	nw.	.....	.....	8	.....	8	.....	nnw.	rain	rain	h'vy	nw.	cloudy.
Bg. Rising Sun, N. 38° 55′, W. 74° 00′	.....	.....	48	8.9	.....	nnw.	.....	.....	3	.....	10	.....	s.	o	o	mod.	s.	cloudy.
S. S. Silesia, N. 46° 20′, W. 36° 58′	29.56	750.8	39	3.9	95	nw.	.....	.....	9–10	.....	6	.....	nw.	snow	snow	r'gh	wnw.	snowing.
Bg. Teneriffe, N. 25° 30′, W. 79° 48′	.....	.....	.....	.....	.....	s.	.....	.....	4	.....	1	.....	ssw.	o	o	.....	e.	clear.
S. S. Westernland, N. 48° 32′ W. 25° 59′	28.75	730.2	55	12.8	81	ssw.	.....	.....	6	.....	7	.....	ssw.	9 h'r	9 h'r	high	ssw.	squally.
S. S. W. A. Scholten, N. 43° 31′, W. 45° 56′	30.00	762.0	53.2	11.8	82	nnw.	.....	.....	5	.....	7	.....	wnw.	o	o	5	nw.	
S. S. Zeeland, N. 46° 29′, W. 30° 39′	.....	.....	48	8.9	.....	wnw.	.....	.....	9	.....	.....	.....	nw.	hail	hail	high	nw.	
S. S. Australia, N. 41° 36′, W. 69° 30′ †	30.09	764.3	56	13.3	.....	wsw.	.....	.....	5	.....	8	.....	wnw.	o	o	mod.	cross	cloudy.
Bk. George Davis, N. 54° —′, E. 9° 20′ *†	30.24	768.1	.....	.....	.....	wsw.	.....	.....	3	.....	.....	.....	w.	o	o	sm'b	.....	cloudy
S. S. Baltic, N. 43° 05′, W. 41° 11′ *†	29.90	759.4	.....	.....	.....	nw.	.....	.....	6	.....	8	.....	nnw.	o	o	h'vy	cross	fair.
S. S. Chalmette, N. 24° 37′, W. 83° 10′ *†	30.15	765.8	74	23.3	.....	nw.	.....	.....	4	.....	3	.....	se.	1 h'r	1 h'r	mod.	se.	clear.
S. S. Erin, London, Eng	.....	.....	56	13.3	.....	sw.	.....	.....	3	.....	1	.....	sw.	o	c	.....	.....	clear.
S. S. Grecian, N. 45° 52′, W. 39° 00′	.....	.....	44	6.7	84	nw.	.....	.....	7	.....	8	.....	nw.	5 h'r	5 h'r	high	nw.	squally.
Schr. Jas. Slater, N. 7° 06′, W. 46° 12′	.....	.....	78	25.6	.....	ne.	.....	.....	5	.....	10	.....	.....	½ h'r	½ h'r	mod.	.....	
Bg. John Wesley, N. 27° 17′, W. 75° 44′ *†	30.18	766.6	.....	.....	.....	sse.	.....	.....	4	.....	5	.....	sse.	1 h'r	1 h'r	mod	se.	fair.
S. S. Lessing, N. 47° 45′, W. 27° 27′	28.83	732.3	53	11.7	.....	nw	.....	.....	7	.....	9	.....	nw.	2 h'r	2 h'r	h'vy	wnw.	squally.
S. S. Ohio, (Am) N. 39° 38′, W. 56° 30′ †	30.30	769 6	64.5	18.1	.....	sw.	.....	.....	3	.....	6	.....	w.	o	o	mod.	nw.	fair.
Schr. Viola Reppard, N. 36° 20′, W. 70° 43′ †	30.37	771.4	65	18.3	.....	ne.	.....	.....	5	.....	10	.....	ne.	6 h'r	6 h'r	high	var.	raining.
Bk. Western Chief, N. 49° 44′, W. 4° 33′ *†	29.93	760.2	.....	.....	.....	ssw.	.....	.....	7	.....	10	.....	.....	.....	.....	6	sw.	raining.
S. S. Werra, N. 43° 32′, W. 45° 10′*	29.98	761.5	36.5	2.5	.....	wnw.	.....	.....	5	.....	6	.....	wnw.	2 h'r	2 h'r	r'gh	nw.	fair.
U. S. Navy Yard, Portsmouth, N. H.	30.16	766.1	32	0.0	79	wsw.	9	4.0	.....	.....	2	.....	w.	o	o	.....	.....	fair.
U. S. S. Galena N. 18° 55′, W. 72° 52′*	30.14	765.5	77	25.0	77	ese.	.....	.....	1	.....	5	.....	ese.	.....	.....	sm'h	.....	fair.
U. S. S. New Hampshire, Newport, R. I	30.32	770.1	40	4.4	.....	w.	.....	.....	2	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Powhatan, Port Royal, S. C	30.13	765.3	58	14.4	100	nne.	.....	.....	3	.....	10	.....	ne.	.....	.....	.....	.....	cloudy.
U. S. S. Quinnebaug, Leghorn, Italy	30.20	767.1	60	15.6	65	w.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Saratoga, N. 38° 12′, W. 65° 23′	30.25	768.3	.....	.....	74	sw.	.....	.....	6	.....	10	.....	sw.	light	light	r'gh	sw.	raining.
U. S. S. Tennessee, Sacrificios Id, Gulf of Mexico	29.94	760.5	75	23.9	90	nnw.	12	5.4	.....	.....	10	.....	nnw.	o	o	long	nne.	cloudy.
U. S. S. Yantic, Nassau, Bahama Ids, Atlantic	30.23	767.8	74	23.3	86	se.	.....	.....	3	.....	2	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.10	764.5	71	21.7	62	ese.	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Alecto, N. 3° 46′, E. 8° 47′	29.89	759.2	84	28.9	.....	nw.	.....	.....	1	.....	9	.....	ese.	.....	.....	.....	.....	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.42	772 7	61.5	16.4	85	ese.	.....	.....	3	.....	5	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Himalaya, N. 37° 22′, E. 4° 22′	30.11	764.8	60	15.6	82	nnw.	.....	.....	2	.....	9	.....	ene.	.....	.....	.....	.....	overcast.
H. M. S. Minotaur, Syra, Greece	30.08	764.0	60	15.6	68	nne.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Myrmidon, N. 34° 55′, E. 17° 01′	.....	.....	60	15.6	88	ne.	.....	.....	2	.....	1	.....	wnw.	.....	.....	.....	.....	blue sky.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	30.05	763.3	71.6	22.0	96	ne.	.....	.....	4	.....	6	.....	sw.	o	o	.....	.....	d. clouds.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.86	758.4	85.1	29.5	82	sse.	.....	.....	4	.....	7	.....	se.	o	o	3	se.	d. clouds.
S. S. British Crown, N. 39° 57′, W. 56° 30′†	30.25	768.3	64	17.8	.....	ssw.	.....	.....	6	.....	8?	.....	ssw.	o	o	mod.	sw.	clear.?
S. S. Circassian, N. 42° 00′ W. 47° 45′	30.13	765.3	45?	7.2?	100	n.	.....	.....	2–3	.....	10	.....	n.	.....	.....	5	nne.	overcast.
S. S. Scandinavian, Portland, Me	30.18	766.6	35	1.7	.....	wnw.	.....	.....	3	.....	2	.....	wnw.	o	o	.....	.....	d. clouds.
S. S. Ailsa, N. 35° 23′, W. 74° 02′	.....	.....	59.8	15.4	31	nne.	.....	.....	6	.....	10	.....	ne.	6 h'r	6 h'r	h'vy	sw.	raining.
S. S. Dorian, N. 38° 08′, E. 5° 50′	30.07	763.8	60	15.6	.....	ne.	.....	.....	4	.....	10	.....	ene.	light	light	sm'h	.....	cloudy.
S. S. Galatia, Marseille, France*†	30.24	768.1	74?	23.3?	.....	wsw.	.....	.....	1	.....	0	.....	.....	o	o	.....	.....	clear.
S. S. Carroll, N 43° 18′, W. 65° 35′ *†	30.15	765.8	36	2.2	.....	nw.	.....	.....	5	.....	3	.....	nw.	hv'y	hv'y	short	nw.	fair.
S. S. California, N. 41° 13′, W. 48° 21′ *†	30.22	767.6	56.2	13.4	.....	wsw.	.....	.....	4	.....	.....	.....	wsw.	o	o	long	wsw.	cloudy.
S. S. Labrador, N 40° 31′, W. 67° 20′*†	30.34	770.5	44.6	7	.....	wnw.	.....	.....	4	.....	5	.....	wsw.	o	o	r'gh	wsw.	fair.
S. S. Wyoming, New York, N. Y	30.42	772.7	36	2.2	.....	wsw.	.....	.....	2	.....	6	.....	sw.	o	o	.....	.....	fair.
S. S. Bohemia, N. 48° 03′, W. 22° 58′	.....	.....	.....	.....	.....	sw.	.....	.....	3–8	.....	8	.....	sw.	24 h'r	24 h'r	var.	sw.	cloudy.
S. S. Westphalia, N. 41° 49′, W. 48° 06′	.....	.....	54	12.2	.....	nw.	.....	.....	6	.....	8	.....	nw.	o	o	long	nw.	cloudy.
S. S. Virginian, N. 43° 58′, W. 40° 16′	.....	.....	44	6.7	.....	nw.	.....	.....	9	.....	.....	.....	nw.	sh'rs	sh'rs	h'vy	nw.	squally.
S. S. Teniers, N. 23° 49′, W. 20° 34′	30.11	764.8	67.1	19.5	69	ne.	.....	.....	4	7 c	o	.....	.....	.....	.....	long	wnw.	d. clouds.
S. S. Archimede, (It) New York, N. Y†	30.38	771.6	.....	.....	.....	nnw.	.....	.....	2	.....	4	ssw.	w.	1 h'r	1 h'r	.....	.....	fair.
S. S. Picqua, Lisbon, Portugal†	30.20	767.1	63	17.2	57	calm	.....	.....	0	.....	.....	.....	.....	o	o	.....	.....	clear.
S. S. City of Merida, N. 22° 39′, W. 85° 40′	.....	.....	77.0	25	.....	sse.	.....	.....	4	.....	2	.....	se.	o	o	h'vy	se.	fine.
S. S. Canada, (Br) N. 40° 18′, W. 49° 31′	.....	.....	60	15.6	.....	nw.	.....	.....	6	.....	10	.....	nw.	sh'rs	sh'rs	r'gh	nw.	cloudy.
S. S. Helvetia, N. 44° 24′, W. 33° 27′	29.37	746.0	48	8.9	.....	nw.	.....	.....	8	.....	9	.....	nw.	hail	hail	h'vy	wnw.	cloudy.
S. S. Italy, N. 40° 37′, W. 70° 00′ *	30.38	771.6	44	6.7	92	w.	.....	.....	2	.....	8	.....	w.	o	o	sm'h	sw.	fair.
S. S. Hohenstaufen, N. 41° 59′, W. 43° 52′	30.03	762.7	51	10.6	.....	nw.	.....	.....	5	.....	6	.....	nw.	o	o	mod.	nw.	covered. ?
S. S. Neckar, N. 49° 07′, W. 22° 09′	28.96	735.6	50.0	10.0	74	ssw.	.....	.....	var.	.....	5	.....	sw.	rain	rain	cross	sw.	h'vy squalls
S. S. Rhein, N. 43° 14′, W. 40° 41′	.....	.....	.....	.....	.....	nnw.	.....	.....	8	.....	6	.....	nw.	8 h'r	8 h'r	high	nw.	stormy.
S. S. Muriel, N. 35° 26′, W. 71° 50′	.....	.....	65	18.3	.....	nne.	.....	.....	5	.....	10	.....	.....	3 h'r	3 h'r	r'gh	n.	raining.
S. S. Pennland, N. 41° 23′ W. 44° 22′	30.06	763.5	47?	8.3?	.....	nnw.	.....	.....	5	.....	4	.....	nw.	6 h'r	6 h'r	high	nnw.	hazy.
S. S. Waesland, N. 41° 40′, W. 59° 15′	.....	.....	55	12.8	.....	wsw.	.....	.....	7	.....	10	.....	w.	o	o	mod.	w.	cloudy.
S. S. Amsterdam, New York, N. Y	.....	.....	.....	.....	.....	sw.	.....	.....	5	.....	3	.....	sw.	2 h'r	2 h'r	.....	.....	squally.
S. S. P. Oaland, N. 40° 08′, W. 69° 37′	.....	.....	44.2	6.8	83	nnw.	.....	.....	4	.....	4	.....	ne.	o	o	sm'h	.....	
S. S. Zaandam, N 49° 49′, W. 19° 20′*	29.02	737.1	56 3	13.5	89	wsw.	.....	.....	6	.....	8	.....	wsw.	o	o	h'vy	sw.	cloudy.
S. S. Maasdam, N. 42° 06′, W. 37° 25′*	29.78	756.4	49.5	9.7	89	wnw.	.....	.....	7	.....	6	.....	w.	o	o	9	wnw.	fair.
S. S. State of Nebraska, N. 51° 25′, W. 27° 12′? †	28.70	729.0	47	8.3	.....	n	.....	.....	1	.....	3	.....	nw.	o	o	con.	w.	fine.
S. S. State of Nevada, Glasgow, Scotland†*	29.72	754.9	39	3.9	.....	ese.	.....	.....	4	.....	10	.....	ese.	rain	rain	.....	.....	raining.
S. S. Saxon, Boston Light, Mass*†	30.28	769.1	38	3.3	.....	wsw.	.....	.....	3	.....	8	.....	.....	o	o	.....	.....	threatening.
S. S. Republic, N. 41° 27′, W. 55° 16′	.....	.....	63	17.2	94	wsw.	.....	.....	6	.....	8	.....	w.	o	o	mod.	wsw.	d. clouds.
S. S. Marengo, N. 46° 12′, W. 24° 10′	28.85	732.8	49	9.4	.....	wsw.	.....	.....	6	.....	6	.....	wsw.	2 h'r	2 h'r	hv'y	w	squally.
Schr. Arthur Burton, N. 27° 13′, W 67° 00′	.....	.....	.....	.....	.....	e.	.....	.....	2	.....	1	.....	e.	o	o	r'gh	e.	fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Amount and kind.		Direction.						
								Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bg. Abbie Clifford, N. 39° 51′ W. 66° 11′†	30.24	768.1	48	8.9	.....	nw.	.....	.....	5	.....	9	.....	w.	.....	.....	r'gh	wsw.	clearing.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.06	763.5	79	26.1	.....	ene.	.....	.....	5	.....	2	.....	ene.	0	0	.....	.....	clear.
S. Annie, N. 22° 01′, W. 50° 40′ *.....	30.21	767.3	.....	.....	.....	ne.	.....	.....	5	.....	3	.....	ne.	0	0	long	nnw.	clear.
Schr. Abbie H. Gheen, Springwood Mills, S. C. *†	30.20	767.1	60	15.6	.....	ne.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
Bk. Alpha, N. 28° 20′, W. 21° 25′ *†	30.12	765.0	66	18.9	.....	sw.	.....	.....	2	.....	2	.....	w.	1 h'r	1 h'r	long	n.	clear.
Bk Achille F., N. 12° —′, W. 40° —′ *†	30.08	764.0	76.5	24.7	75	ene.	.....	.....	5	.....	5	.....	ene.	0	0	mod.	var.	fine.
Bk. Bore, N. 35° 29′, W. 15° 36′*†	30.17	766.3	64	17.8	.....	ssw.	.....	.....	3	.....	2	.....	wsw.	2 h'r	2 h'r	mod.	nw.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	30.01	762.2	76	24.4	.....	ene.	.....	.....	4	.....	10	.....	ene.	16 h'r	16 h'r	.....	.....	cloudy.
Bk. Cato, Oporto, Portugal† ..	30.18	766.6	53.5	11.9	83	sw.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	clear.
S. David Stewart, Orchilla Island, Venezuela.....	.....	.....	80	26.7	.....	ene.	.....	.....	5	.....	10	.....	e.	light	light	mod.	n.	
Schr. Edith R. Seward, N. 11° 50′, W. 65° 00′†.....	30.14	765.5	78	25.6	.....	e.	.....	.....	3	.....	6	.....	e.	2 h'r	2 h'r	long	ene.	raining.
U.S. Fish Com S. S. Fish Hawk, Hampton roads, Va ...	.....	.....	44	6.7	.....	ne.	.....	.....	4	.....	10	.....	ne.	1.50	38.1	.....	.....	cloudy.
S. Frank N. Thayer, N. 9° 31′, W. 31° 14′*†	30.07	763.8	77.5	25.3	77	ene.	.....	.....	3	.....	2 k	.....	ene.	0	0	sm'h	.....	blue sky.
Bg. George, Arroyo, Porto Rico W. I*†.....	30.18	766.6	.....	.....	.....	ene.	.....	.....	2	.....	10	.....	ese.	0	0	mod.	e.	cloudy.
Bk. Galeon, N. 32° 35′, W. 15° 24′.....	.....	.....	65	18.3	.....	ese.	.....	.....	1	.....	8	.....	ne.	0	0	.....	nnw.	overcast.
S. Gatherer, N. 13° 34′, W. 34° 55′†	30.04	763.0	76	24.4	73	e.	.....	.....	3	.....	3	.....	ne.	6 mi	nutes	.....	se.	clear.
Bk. Heinrich & Tonio, N. 39° 58′, W. 21° 10′ *†.....	29.82	757.4	59	15.0	70	sw.	.....	.....	5	.....	0	.....	.....	0	0	high	nw.	clear.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.....	.....	.....	80	26.7	.....	s.	.....	.....	1	.....	6	.....	e.	0	0	.....	.....	
S. Henry Failing, N. 0° 26′, W. 32° 16′*†.....	29.92	760.0	85	29.4	83	ne	.....	.....	3	.....	7	.....	ne.	12 h'r	12 h'r	mod.	ne.	fair.
Schr. Jennie N. Huddell, Wilmington, N. C.....	30.25	768.3	49	9.4	.....	ne.	.....	.....	5	.....	10	.....	ne.	3 h'r	3 h'r	.....	.....	raining.
Bg. John Welsh, jr., Barbadoes, W. I†.....	.....	.....	.....	.....	.....	ene.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Trinidad, Cuba, W. I *†.....	30.12	765.0	.....	.....	.....	ne.	.....	.....	1	.....	3	.....	ne.	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Orinoco river, Venezuela....	.....	.....	75	23.9	.....	nw.	.....	.....	1	.....	4	.....	ene.	4 h'r	4 h'r	.....	.....	fair.
Bg. L. & W. Armstrong, Pointe à Pitre, Guadeloupe, WI†	.....	.....	.....	.....	.....	e	.....	.....	1	.....	2	.....	e.	rain	rain	.....	.....	
Light-house tender Laurel, Key West, Fla †.....	30.12	765.0	76	24.4	.....	se.	.....	.....	3	.....	4	.....	se.	0	0	.....	.....	fair.
S. S. Madrid, Savona, Italy†	30.29	769.4	60	15.6	89	sse	.....	.....	1	.....	2	.....	sse.	0	0	.....	.....	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W. I.*†.....	30.11	764.8	.....	.....	.....	.....	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Nellie T Morse, Pensacola, Fla.....	.....	.....	.....	.....	.....	nne.	.....	.....	5	.....	10	.....	nne.	18 h'r	18 h'r	.....	.....	cloudy.
Bk. Rosina, N. 37° 20′, W. 48° 47′	30.36	771.1	60	15.6	.....	w.	.....	.....	6	.....	8	.....	nw.	0	0	large	nw.	
Bk. Sunbeam, Lisbon, Portugal†	30.22	767.6	62	16.7	88	ene.	.....	.....	3	.....	4	.....	ne.	0	0	.....	.....	fair.
S. Stephen D. Horton, N. 51° 25′, E. 3° 03′†.....	30.16	766.1	.....	.....	.....	sw.	.....	.....	3	.....	5	.....	wsw.	0	0	.....	.....	smoky.
S. Tsemogora, N. 39° 55′, W. 31° 48′ *†	29.65	753.1	.....	.....	.....	w.	.....	.....	7	.....	5	.....	w.	rain	rain	long	w.	squally.
Bk. Tros, N. 33° 42′, W. 24° 42′ *†.....	30.05	763.3	62	16.7	.....	w.	.....	.....	2	.....	3	.....	w.	0	0	long	nw.	fair.
S. Vincenzo Accame, N. 39° 15′, E. 4° 59′†.....	30.17	766.3	60.8	16.	.....	ne.	.....	.....	3	.....	10	.....	e.	0	0	light	se.	
District No. 2—South Atlantic.																		
H. M. S. Amethyst, Stanley, Falkland Islands	29.25	742 9	51	10.6	93	e.	.....	.....	1	.....	10	se.	.....	.....	.....	.....	.....	drizzling.
H. M. S. Boadicea, S. 4° 30′, E. 10° 58′.....	29.86	758.4	79	26.1	96	sw.	.....	.....	3	.....	8	ssw.	.....	.....	.....	2	ssw.	d. clouds.
H. M. S. Opal, Simons Bay, Cape Colony	29.85	758.2	70	21.1	70	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay.....	29.93	760.2	77	25.0	77	nnw.	.....	.....	2	.....	2	calm	.....	.....	.....	.....	.....	blue sky.
H.P.M.S.Rainha de Portugal, Mossamedes, Benguela.	29.87	758.6	68.4	20.2	94	wnw.	.....	.....	4	.....	3	.....	.....	1 h'r	1 h'r	2	.....	blue sky.
S. S. Archimedes, (Br) S. 2° 15′, W. 30° 43′.....	29.92	760.0	.....	.....	.....	ese.	.....	.....	3	.....	10	.....	ese.	2 h'r	2 h'r	light	var.	showery.
S. S. Hevelius, S. 25° 51′, W. 45° 45′*†	30.18	766.7	77	25.0	.....	ene.	.....	.....	3	.....	2	.....	ne.	0	0	long	ese.	clear.
S. S. Strassburg, S. 34° 09′, W. 53° 13′	30.02	762.5	73.0	22.8	88	wnw.	.....	.....	3	.....	2	.....	calm	0	0	2	nne.	clear.
S. Grecian, S. 1° 02′, W. 34° 23′†	30.04	763.0	82	27.8	87	n.	.....	.....	3	.....	5	.....	ne.	c	0	long	n.	fair.
Bk. Horace Scudder, S. 3° 47′, E. 10° 54′*†.....	30.10	764.5	84	28.9	.....	s.	.....	.....	2	.....	5	.....	ssw.	5 h'r	5 h'r	.....	.....	fair.
S. Ismir, S. 27° 30′, W. 27° 18′ *†	29.95	760.7	.....	.....	.....	ene.	.....	.....	5	.....	6	.....	ese.	rain	rain	r'gh	se.	rainy.
Bkt. Levanter, S. 34° 58′, W. 51° 11′ *.....	29.99	761.7	75	23.9	.....	n.	.....	.....	4	.....	3	.....	w.	0	0	mod.	n.	fair.
S. S. Mendoza, S. 19° 34′, W. 34° 38′†.....	30.10	764.5	.....	.....	.....	nne.	.....	.....	1	.....	.....	.....	nne.	0	0	sm'h	ne.	clear.
S. S. Olbers, S. 23° 03′, W. 42° 27	30.07	763.8	74	23.3	90	wsw.	.....	.....	6	.....	10	.....	wsw.	.....	.....	5	s.	hazy.
U. S. S. Nipsic, Montevideo, Uruguay *.....	29.91	759.7	77	25.0	69	n.	.....	.....	1	.....	2	.....	.....	.....	.....	sm'h	.....	clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	.....	.....	40	4.4	39	n.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Essex, N. 24° 23′, E. 119° 06′.....	30.14	765.5	58	14.4	82	ne.	.....	.....	6	.....	10	.....	.....	.....	.....	mod.	ne.	cloudy.
U. S. S Juniata, Roze Island, Corea	30.21	767.3	37	2.8	81	nnw.	.....	.....	1	.....	2	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, N. 32° 38′, E. 123° 00′.....	30.12	765.0	40	7.8	84	sse.	.....	.....	4	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Ranger, Estero Real, Nicaragua.....	30.04	763.0	76	24.4	77	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
H. M. S. Audacious, Hong Kong, China	30.14	765.5	60	15.6	94	ene.	.....	.....	1	.....	8	ene.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Champion, Side-saddle Island, China	.....	.....	50	10.0	79	ne.	.....	.....	6	.....	3	.....	.....	.....	.....	4	ne.	blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.18	766.6	51.8	11.0	80	ne.	.....	.....	3	.....	8	.....	.....	.....	.....	1	.....	misty.
H. M. S. Magpie, N. 5° 11′, E. 100° 12′.....	29.87	758.7	84.5	29.2	66	w.	.....	.....	2	.....	3	ese.	.....	.....	.....	.....	.....	misty.
H. P. M. S. Tamega, Macao, China	30.17	766.3	64.4	18.	80	e.	.....	.....	3	.....	9	.....	.....	3 h'r	3 h'r	.....	.....	overcast.
U. S. S. Monocacy, Canton, China.....	30.12	765.0	62	16.7	83	calm	.....	.....	0	.....	10	.....	calm	.....	.....	.....	.....	misty.
S. S. Newbern, N. 23° 32′, W. 110° 53′	.....	.....	64	17.8	94	nw.	.....	.....	4	.....	3	.....	nw.	0	0	mod.	nw.	fair.
S. S. City of Chester, Cape Mendocino, Cal†.....	29.96	761.0	52	11.1	79	se.	.....	.....	.....	.....	10	.....	.....	0	0	light	nw.	
S. S. Oregon, San Francisco, Cal	.....	.....	52	11.1	86	calm	.....	.....	0	.....	5	.....	se.	.....	.....	.....	.....	fair.
S. S. Willamette, N. 47° 32′, W. 124° 43′†	30.10	764.5	43	6.1	91	ese.	.....	.....	5	.....	7	.....	s.	0	0	sm'h	.....	cloudy.
S. S. Alameda, San Francisco, Cal †.....	30.04	763.0	42	5.6	94	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Ancon, San Francisco, Cal. †.....	30.03	762.7	53	11.7	79	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. State of California, N. 42° 30′, W. 124° 37′ †.....	29.99	761.7	47	8.3	100	ene.	.....	.....	3	.....	6	.....	ssw.	.....	.....	long	sw.	cloudy.
S. S. City of Pekin, N. 33° 50′, E 143° 22′ †.....	30.04	763.0	52	11.1	72	w.	.....	.....	4	.....	5	.....	w.	0	0	mod.	var.	fair.
S. S. City of Rio de Janeiro, N. 24° 38′, W. 159° 53′†.....	30.11	764.8	66	18.9	.....	ese.	.....	.....	2	.....	.....	.....	ne.	.....	.....	long	nw.	cloudy.
S. S. City of Tokio, N. 34° 15′, E 146° 20′†.....	30.11	764.8	50	10.0	45	nw.	.....	.....	4	.....	0	.....	.....	.....	.....	cross	var.	clear.
S. S. Colima, N. 17° 20′, W. 101° 32′†.....	29.99	761.7	74	23.3	90	wnw.	.....	.....	2	.....	0?	.....	.....	0	0	small	w.	fair?
S. S. Granada, San Jose, Guatemala†.....	30.03	762.7	76	24.4	91	sw.	.....	.....	1	.....	0	.....	.....	0	0	h'vy	.....	clear.
S. S. San Jose, N. 7° 03′, W. 81° 53′.....	.....	.....	75	23.9	95	nnw.	.....	.....	2	.....	2	.....	nnw.	0	0	small	ssw.	clear.
S. S. Zealandia, N. 4° 48′, W. 104° 26′†.....	29.87	758.7	79	26.1	82	var.	.....	.....	5	.....	5	.....	ne.	.....	.....	mod.	n.	fair.
S. S. Benalder, N. 31° —′, E. 131° —′	30.19	766.8	57	13.9	75	var.	.....	.....	2–5	.....	5	.....	wsw.	0	0	sm'h	.....	threatening.
S. S. Oceanic, N. 34° 03′, W. 144° 55′.....	29.90	759.4	57	13.9	81	w.	.....	.....	4–5	.....	10	.....	wnw.	0	0	4	.....	cloudy.
District No. 4—South Pacific.																		
U. S. S. Plata, S. 51° 57′, W. 73° 40′	29.50	749.3	45	7.2	76	wsw.	.....	.....	2	.....	5	.....	sw.	.....	.....	sm'h	.....	fair.
U. S. S. Wachusetts, Valparaiso, Chili.....	30.01	762.2	61	16.1	88	se.	.....	.....	2	.....	8	.....	calm	.....	.....	long	se.	cloudy.
H. M. S. Espiegle, S. 37° 25′, E. 178° 38′.....	29.67	753.6	67	19.4	89	calm	.....	.....	0	.....	10	.....	.....	.....	.....	1	w.	rain & fog.
H. M. S. Lark, S. 36° 50′, E. 174° 48′.....	29.71	754.5	64.3	17.9	76	ssw.	.....	.....	2	.....	6	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Mutine, S. 19° 18′, W. 75° 15′	30.04	763.0	73	22.8	.....	sse.	.....	.....	2	.....	7	.....	.....	.....	.....	1	s.	drizzling.
S. S City of Sydney, S. 33° 56′, E. 161° 45′*†.....	29.99	761.7	67	19.4	50	sse.	.....	.....	3	8 ck	.....	sse.	.....	.....	.....	light	ssw.	cloudy.
S. S. Port Phillip, S. 15° 59′, E. 155° 28′	29.83	757.7	85	29.4	76	var.	.....	.....	1	.....	.....	.....	.....	.....	.....	sm'h	e.	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Aden, Arabia.....	29.92	760.0	84	28.9	75	se.	.....	.....	3	.....	2	.....	se.	.....	.....	sm'h	ese.	clear.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.87	758.7	86	30.0	65	n.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 29° 04′, E. 78° 04′*.....	30.01	762.2	.....	.....	.....	var.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	fine.

International Chart I. March 13, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 14, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	30.15	765.7	64.0	17.8	72	n.	.....	.....	3	.....	0	.....	.....	0	0	clear	Koziero.
Algiers	.....	.....	30.18	766.5	60.8	16.0	79	n.	.....	.....	3	.....	0	.....	.....	0.394	10.0	clear	Thève.
La Calle	.....	.....	30.11	764.7	59.7	15.4	85	ene.	.....	.....	5	.....	4	.....	.....	0	0	cloudy	Fonfrède.
Tunis	.....	.....	30.17	766.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.15	765.8	50.0	10.0	62	ne.	.....	.....	2	.....	4	.....	.....	0	0	cloudy	Forfert.
Laghouat	.....	.....	30.07	763 8	59.4	15.2	.....	ne.	.....	.....	2	.....	5	.....	.....	0	0	cloudy	Abraham.
Biskra	.....	.....	30.07	763.8	64.4	17.8	86	e.	.....	.....	1	.....	0	.....	.....	0	0	cloudy	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.20	767.1	60.7	15.9	78	s.	14	6.3	.....	.....	9 k	.....	.....	0	0	cloudy	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.80	756.9	29.99	761.7	55.5	13.1	85	nw.	5	2.2	.....	.....	3	.....	w.	0	0	fair	Com. J. Shortt, R.N.
Melbourne, Victoria	30.03	762.7	30.13	765.3	59.9	15.5	81	sse.	4	1.8	.....	.....	4	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.84	758.0	30.40	772.1	55.4	13.0	41	sw.	.....	.....	3	.....	7	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.55	750.5	30.33	770 4	48.9	9.4	54	nw.	4.9	2.2	.....	.....	7	.....	.....	0.004	0.1	.....	Dr. Wierzbiski
Eperies	29.39	746.6	30.29	769.3	49.6	9.8	45	n.	.....	.....	1	3 cs	.....	s.	.....	0	0	.....	Julius Mikolik.
Gratz	29.12	739.7	30.39	772.0	52.3	11.3	70	w.	.....	.....	1	.....	2	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.87	733.2	30.35	770.9	41.9	5.5	68	se	.....	.....	3	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.07	735.8	30.33	770.3	52.2	11.2	66	ne.	.....	.....	3	.....	0	.....	.....	0	0	clear	The Staff.
Lemberg	29.24	742.6	30.27	768.9	35.2	1.8	82	ne.	.....	.....	4	.....	10	.....	.....	0.028	0.7	.....	Dr. T. Stanecki.
Pola	30.21	767.4	30.33	770.3	63.0	17.2	59	ese.	.....	.....	4	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.80	756.9	30.27	768.9	49.5	9.7	45	n.	.....	.....	5	.....	5	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	30.05	763.2	30.34	770.5	51.1	10.6	56	w.	.....	.....	2	.....	4	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.24	768.1	30.34	770.6	64.0	17.8	55	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.69	754.1	30.42	772.7	49.5	9.7	65	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.81	731.7	30.19	766.9	55.9	13.3	63	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....
Brussels	30.04	763 1	30.24	768.3	59.5	15.3	52	sse.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Furnes	30.20	767.0	30.22	767.5	59.0	15.0	63	s.	.....	.....	1	.....	2	.....	.....	0	0	.....	
Maeseyck	30.16	766.1	30.29	769.3	55.2	12.9	.....	sw.	.....	.....	1	.....	2	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.66	753.4	29.76	755.9	48.0	8.9	79	s.	19	8.5	.....	.....	6	.....	.....	0.010	0.3	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29 90	759.4	52.7	11.5	84	sse.	18	8.0	.....	.....	10	.....	.....	.....	.....	overcast	John Hartnup.
Bolton, Sharples	29.40	746.7	29.94	760.5	50.2	10.1	89	ssw.	12	5.4	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.54	750.3	29.93	760.2	54.7	12.6	72	sw.	.....	.....	3	.....	9	.....	.....	0.13	3.3	overcast	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.04	763 0	30.06	763.5	77	25.0	73	ne.	.....	.....	1	.....	1	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	54.4	12.4	67	sw.	.....	.....	1.0	.....	8	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E	29.98	761.5	30.16	766.1	58 0	14.4	95	s.	.....	.....	3	.....	7	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.76	755.9	29.93	760.2	54.4	12.4	75	s.	.....	.....	6	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27 54	699.5	29.85	758.2	85.0	29.4	68	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.47	748.5	29.51	749.5	50	10.0	86	sw.	.....	.....	3	.....	6	.....	.....	0.40	10.2	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	30.02	762.5	30.12	765.0	59.2	15.1	94	e.	.....	.....	5	.....	7	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.96	761.0	30.13	765.3	58.7	14.8	65	ssw.	.....	.....	4	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.83	757.7	30.13	765.3	52.5	11.4	76	s.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	30.09	764.3	30.13	765.3	57.0	13.9	61	ssw.	20	8.9	.....	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.76	755.0	30.02	762.5	55.0	12.8	71	sw.	.....	.....	2	.....	8	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	30.11	764.8	30.19	766.8	58.2	14.6	73	e.	.....	.....	2	.....	3	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.12	765.0	30.17	766.4	76.0	24.4	73	se.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.84	757 9	30.07	763.8	55.9	13.3	63	sse.	.....	.....	5	.....	9	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.95	760.7	30.03	762.7	53.8	12.1	75	se.	.....	.....	4	.....	3	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.43	747 5	29.53	750.0	52.1	11.2	74	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	d. clouds	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.32	770.1	30.39	771.9	42.0	5.6	66	nne.	.....	.....	2	.....	5	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.69	754.1	29.97	761.2	53.9	12.2	78	sw.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	29.76	755.9	29.79	756.7	52.5	11.4	92	sw.	.....	.....	5	.....	10	.....	.....	0.510	13.0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.94	760.5	51.0	10.6	86	s.	32	14.3	.....	.....	10	.....	.....	0	0	threatening	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	57.4	14.1	66	sw.	.....	.....	3.5	.....	5	.....	.....	.....	.....	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.59	751.6	29.61	752.1	53.0	11.7	73	s.	45	20.1	.....	.....	7	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.86	758.4	30.25	768.3	59.0	15.0	70	e.	11.2	5.0	.....	4 c	6 n	w.	e.	0	0	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.90	759.4	30.02	762.5	61.2	16.2	97	e.	26	11.6	.....	.....	10 k	.....	e.	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	.....	.....	.....	.....	27.0	— 2.8	.....	calm	0	0	.....	5 ck	0	.....	.....	0	0	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.04	763 0	30.08	764.0	34	1.1	69	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	H. J. Cundall, C. E.
Chatham, N. B*	30.03	762.7	30.10	764.5	28	— 2.2	88	nw.	1	0.4	.....	2 k	8 ks	nw.	nw.	0	0	cloudy	G. A. Blair
Cornwall, Ontario	29.99	761.7	30.20	767.1	27.7	— 2.4	100	w.	.....	.....	1	.....	10 s	.....	.....	0	0	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	30.03	762 7	30.08	764.0	20.5	— 6.4	.....	calm	0	0	.....	2 cs	0	.....	.....	0	0	d. clouds	H. A. Johnson.
Father Point, Quebec*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Fort Garry, Manitoba*	30.13	765.3	30.15	765.8	16	— 8.9	83	s	4	1.8	.....	0	8 ks	w.	.....	0	0	cloudy	J. McWilliams
Fredericton, N. B	29.31	744 5	30.25	768.3	— 3	—19.4	100	w.	16	7.2	.....	0	0	.....	.....	0	0	clear	James Stewart.
Grand Manan, N. B	30.11	764.8	30.18	766.6	32.9	0.5	61	w.	4	1.8	.....	0	0	.....	.....	0	0	blue sky	Dr. Thos. Harrison.
Granton, Ontario	30.13	765.3	30.19	766.8	38	3.3	61	w.	12	5.4	.....	0	8 ks	.....	.....	0	0	fair	J. Chipman Seeley
Halifax, N. S*	29.09	738.0	30.26	768.6	24.2	— 4.3	97	ne.	5	2.2	.....	.....	10 n	.....	.....	0	0	overcast	Jas. Grant.
Hamilton, Ontario	30.04	763.0	30.18	766.6	33	0.6	85	w.	7	3.1	.....	5 ck	0	w.	.....	0	0	fair	A. Allison.
Kingston, Ontario*	29.82	757.4	30.25	768.3	28.7	— 1.8	86	ne.	.....	.....	1	8 ck	0	nw.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Little Glace Bay, N. S	29.88	758.9	30.23	767.8	30	— 1.1	88	n.	5	2.2	.....	10 k	0	n.	.....	0	0	fair	A. P. Knight, M. A.
London, Ontario	30.02	762.5	30.06	763.5	36.5	2.5	89	nw.	3	1.3	.....	5 cs	0	sw.	.....	0	0	fair	C. H. Rigby.
Medicine Hat, N. W. T	29.31	744.5	30.27	768.8	27.4	— 2.6	93	e.	.....	.....	2	.....	10 n	.....	.....	0	0	overcast	E. B. Reed.
Minnedosa, N. W. T	27.87	707.9	30.49	774.4	—10	—23.3	70	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	John Ewart.
Montreal, Quebec*	28.10	715.3	30.30	769.6	2	—16.7	100	nw.	6	2.7	.....	0	5 s	.....	.....	0	0	clear	Rev. J. M. Wellwood.
Ottawa, Ontario	30.00	762.0	30.22	767.6	29	— 1.7	61	w.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	C. H. McLeod, C. E.
Parry Sound, Ontario*	30.02	762.5	30.26	768.6	17.7	— 7.9	82	wnw.	.....	.....	.....	.....	10 s	.....	.....	0	0	overcast	A. McGill, M. A.
Peterboro, Ontario	29.58	751.3	30.35	770.0	10	—12.2	80	n.	8	3.6	.....	0	2 ks	n.	.....	0	0	fair	Rev. R. Mosley.
Port Arthur	29.47	748.5	30.26	768.6	25.3	— 3.7	79	nw.	.....	.....	1	.....	fg.	.....	.....	0	0	dense fog	Wm. O'Connor, M.A.
Port Dover, Ontario	29.62	752.3	30.41	772.4	5	—15.0	87	n.	1	0.4	.....	8 cs	0	w.	.....	0	0	fair	W. P. Cooke.
Port Stanley, Ontario	29.51	749.5	30.25	768.3	25	— 3.9	87	ne.	14	6.3	.....	.....	10 n	.....	.....	0	0	cloudy	H Morgan
Qu Appelle, N. W. T	29.54	750.3	30.23	767.8	30	— 1.1	88	ne.	10	4.5	.....	.....	10 n	.....	sw.	0	0	cloudy	M. Payne.
Quebec, Quebec*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	Leslie Gordon.
Rockliffe, Ontario*	29.79	756.7	30.17	766.3	25	— 3.9	96	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	Capt. Asne, R. N.
St. Andrews, N. B	29.81	757.2	30.33	770.4	5	—15.0	96	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. John, N. B	30.11	764.8	30.16	766.1	33	0.6	89	w.	2	0.9	.....	0	0	.....	.....	0	0	clear	
St. Pierre, N. F	30.03	762.7	30.18	766.6	33.0	0.6	89	w.	8	3.6	.....	2 c	0	nw.	.....	0	0	fair	G. Hutchinson.
Toronto, Ontario*	.....	.....	30.00	762.0	28.4	— 2.0	.....	w.	.....	.....	2	.....	.....	.....	.....	0	0	.....	The Commandant.
Stratford, Ontario	29.56	750.8	30.33	770.4	17	— 8.3	96	n.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	.....
	28.91	734.3	30.28	769.1	23.2	— 4.9	83	w.	3	1.3	.....	.....	10 s	.....	.....	0	0	d. clouds	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	30.02	762.5	30.08	764.0	28	— 2.2	84	calm	0	0		2 ck	0	w.		0	0	fair	T.C.Hill, C.E.
Toronto, Ontario*	29.90	759.4	30.31	769.9	24	— 4.4	76	n.	8	3.6			10 n			0	0	cloudy	Magnetic Observatory.
Woodstock, Ontario	29.16	740.7	30.29	769.4	24.8	— 4.0	83	n.	12	5.4			10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.15	765.8	30.21	767.3	37	2.8	85	nw.	6	2.7		0	0			0	0	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.86	758 4	29.89	759.2	70.0	21.1	90	sw.				6 c	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.84	757.9			74.5	23.6	54	nnw.				6 c	n			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.90	708.6			77	25.0	56									0	0		J. I. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.65	753.0	29.75	755 7	51.8	11.0	90	e.			1	0	0			0	0	clear	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					61.9	16.6	83	s.			2	0				0	0	clear	Leon Herrera.
Valparaiso	29.87	758.8	30.02	762.4	60.4	15.8	94	n.			1		10					cloudy	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.99	761.7	30.01	762.3	52.0	11.1	76	se.	6.3	2.8			8			0	0	almost cov'd	M.Marc Dechevrens, S. J.
DANISH.																			
Copenhagen	30.30	769.5	30.34	770.7	43.0	6.1	90	sse.	13	6			8						Oversergent Fischer.
Fanöe	30.24	768.1	30.26	768.6	45.9	7.7	86	s.			4		9						Overloerer Laurid sen.
Godthaab, Greenland	29.67	753.6	29.71	754.7	7.7	—13.5	100	nne.			4		3						S. Kleinschmidt.
Ivigtut, Gree land	29.50	749.4	29.52	749.9	22.1	— 5.5		n.			4		9						
Stykkisholm, Iceland	28.86	733.1	28.91	734.2	37.8	3.2	85	calm			0		8						A. O. Thorlacius.
Thorshavn	29.21	742.0	29.24	742.6	48.4	9.1	81	sw.	29	13			9						Overloerer Bergh.
Upernavik, Greenland	29.75	755.7	29.80	756.9	0.1	—17.7		sw.			6		10					snowing	
Vestervig	30.11	764.9	30.21	767.2	47.7	8.7	88	s.			6		2						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.99	761.7			65.2	19		ne.	3.8	1.7			8 k			0	0		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.58	751.2	30.22	767.7	62.6	17	73	se.			1	2 ck		se.		0	0		M. Lambroue, Director.
Alençon, Normal School	29.68	753.8	30.23	767.8	51.8	11.	86	s.			1		2 s		n.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.94	760.5	30.18	766.6	60.1	15.6	53	se.			1		2			0	0	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	30.22	767.7	30.30	769 7	66.6	19.2	46	ssw.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.68	753.9	30.23	767.9	62.6	17.0	56	s.			1		0			0.118	3.0	clear	M. Saillard, Director.
Beauvais, Normal School	29.97	761.1	30.23	767.8	56.8	13.8	65	se.			1		0			0	0	clear	M. Frère Eugène Marie.
Besançon, Normal School	29.33	745.0	30.22	767.7	67.3	19.6	39	e.			1		0			0	0	clear	M. Gobin, Director.
Bordeaux, Observatory	29.93	760.1	30.19	766 8	59.5	15.3	78	e.			1		5			0	0	fair	M. Rayet, Director.
Bourges, Normal School	29.69	754.0	30.23	767.9	64.4	18.	63	se.			2		2		se.	0	0	slightly cl'dy	M. Sauvageot, Director.
Brest, Naval Observatory	29.89	759.2	30.13	765 4	60.1	15.6	68	sw.			2		2		sw.	0	0		M. de Kermarée, Dir.
Caen, Normal School	30.06	763.5	30.13	765.3	63.5	17.5	93	ssw.			2		2		ssw.	0	0	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.91	759.7	30.23	767.9	61.9	16.6	58	s.			1		0			0	0	clear	M. Jadot, Director.
Charleville, Normal School	29.74	755 5	30.26	768.7	64.8	18.2	77	sw.			1		0			0	0	clear	M. Noël, Director.
Clermont-Ferrand Obs'y	28.85	732.8	30.18	766.6	65.5	18.6	47	e.			1		2 k		s.	0	0		M. Alluard, Director.
Cluny, Normal School	29.45	748.0	30.33	770.3	65.5	18.6	41	se					0			0	0		M. de Villemontés, Dir.
Commercy, Normal School	29.41	747.1	30.29	769.4	55.8	13.2	62	s.			1		0			0	0	clear	Dr. Coulet, Director.
Gap, Normal School	27.73	704.3	30.22	767.7	63.0	17.2	25	calm			0		0			0	0		M. Jarach, Director.
Grésque, du Rhone	29.15	740.5	30.26	768.6	67.5	19.7	42	sw.			1		1		sw	0	0		M. Kina, Director.
Grenoble, Normal School	29.46	748.2	30.21	767 3	65.5	18.6	49	w.			1					0	0		M. Ablard, Director.
Guéret, Normal School	28.70	729 0	30.28	769.1	53.0	15	48	se.			4	c	1		sw.	0	0		M. Delorme, Dir.
Lambal e Normal School	29.85	758.1	30.12	765.1	58.8	14.9	62	sse.			1		kn		sse	0	0		M. Polipre, Dir.
Lescar, Normal School	29.61	752 2	30.17	766 3	69.4	20.8	29	e.			1					0	0		M. Chauvin, Director.
Lorient, Naval Observatory	30.06	763.4	30.16	766.0	59.0	15.0	75	se.			2		5	s.	se.	0	0	½ covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	29.21	741.8	30.26	768 6	61.9	16.6	50	se.			1		0			0	0	clear	M. André, Director.
Mans, Normal School	29.89	759.3	30.20	767.1	57.2	14.	67	ssw.			1	2 c			w.	0	0	slightly cl'dy	M. Richard, Director
Marseille, Observatory	30.03	762.8	30.30	769.7	59.5	15.3	64	wnw.			1		0			0	0		M. Stephan, Director.
Montlouis	25.06	635.1	29.85	758.1	50.0	10.0	41	sw.	16.8	7.5			0			0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	30.15	765.7	30.26	768.5	62.2	16.8	86	sse.			2		0			0	0	clear	M. Gelzin, Director.
Nancy, Normal School	29.50	749.2	30.28	769.2	59.4	15.2	50	sw.			1					0	0	foggy	M. Husse, Director.
Nantes, Observatory	30.04	763.0	30.20	767.1	62.8	17.1	74	se.			0–2	6 c;ck		wsw.		0	0		M. Larocque, Director.
Perpignan, Observatory	30.17	766.2	30.28	769.1	57.4	14.1	77	e.	9.4	4.2			9		e.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.32	541.6			31.6	— 0.2		sw.			2		0			0	0	clear	M. Vaussenat, Director.
Privas, Normal School	29.17	740.9	30.22	767.5	66.2	19	41	calm			0		0			0	0	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	25.34	643 6			44.8	7.1	83	s.			2		2 k			0.012	0.3		M. Alluard.
Rochefort, Naval Obs'y	30.16	766.1	30.19	766.9	65.3	18.5	60	sse.			2		0			0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.95	760.7	30.16	766.1	60.1	15.6	76	sse.			1				n.	0	0		M. Brotlier, Director.
Rodez, Normal School	28 18	715.8	30.32	770.0	61.3	16.3	87	se.			2		1		nw.	0	0	clear	M. Seger, Director.
Rouen, Normal School	30.17	766.4	30.22	767.6	60.4	15.8	64	se.			1		0			0	0	clear	M. Mouillot, Dir.
Saint Maur, Observatory	30.07	763.8	30.24	768.0	61.5	16.4	60	s.			1		0			0	0		M. Renou, Director.
Toulouse, Observatory	29.53	750.1	30.26	768 6	60.8	16.0	73	sse.			1		2	se.		0	0	slightly cl'dy	M. Baillaud, Director.
Tours	30.03	762.8	30.21	767.2	60.1	15.6	64	se.			1		1		se.	0	0	clear	M. de Tastes.
Versailles, Observatory	29.74	755.3	30.23	767.8	60.4	15.8	61	sw.			1		0			0	0	clear	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	30.02	762.6	30.17	766.4	68.7	20.4	46	e.	5.8	2.6		1 c				0	0		M. Cartier, Director.
GERMAN.																			
Ansbach	28.89	733.7	30.35	770.8	55.4	13.0	47	s.			2			s.		0	0		Prof. Jnedt.
Bamberg	29.46	748.2	30.31	769.8	57.2	14.0	60	calm			0		2 s			0	0		Prof. Dr. Hoh.
Berlin	30.21	767.4	30.36	771.1	58.3	14.6	52	sw.			1		5			0	0		Meteorological Institute
Breslau	29.87	758.8	30.41	772 5	52.0	11.1	53	nw.			2		4	n.		0	0		Royal University Obs'y
Carlsruhe	29.84	757 8	30.30	769.5	61.5	16.4	58	nw.			1		0			0	0		Albert Senz.
Cassel	29.60	751.9	30.32	770.0	59.7	15.4	49	ese.			1		0			0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.93	760.1	30.29	769 4	59.5	15.3	50	ese.			1		0			0	0		Physical Society.
Friedrichshafen	28.88	733.5	30.33	770.3	49.3	9.6	80	sw.			2		0			0	0		Wilhelm, Chief Tel.
Hamburg	30.25	768.4	30.34	770.7	54.9	12.7	68	se.			3		6	wnw.		0	0		E. Preiler.
Kiel	30.28	769.2	30.30	769.6	52.9	11.6	72	sw.			3		7			0	0		Prof. Dr. G. Karsten.
Leipsic, Astrom'l Obs'y	29.95	760 6	30.37	771 4	55.6	13.1	56	s.			2		2			0	0		H. Leppig, Asst.
Magdeburg	30.16	766.0	30.35	770.9	60.1	15.6	53	s.			1		1	sw.		0	0		Weather Observatory.
Memel	30.34	770.6	30.39	771.8	34.0	1.1	75	nne.			3	10 cs							Issermann.
Munich	28.50	723.8	30.38	771.7	52.0	11.1	74	ne.			2		3	e.		0	0		Central Station.
Neufahrwasser	30.41	772.3	30.42	772.7	36.9	2.7	85	n.			2		10			0	0		A. Lothes.
Neustadt, Palatinate	29.76	755.8	30.28	769.2	56.5	13.6	62	calm			0		0			0	0		Prof. Dickn ether.
Stuttgart	29.36	745.8	30.26	768.5	59.9	15.5	56	n.			1		0			0	0		Prof. Dr. Schoder.
Wustrow	30.31	769.9	30.34	770.5	52.3	11.3	85	calm			0		8 s			0.161	4.1		Profs. Brandes & Reimer
GREEK.																			
Athens	29.98	761.5	30.37	771.5	51.4	10.8		ne.			3.0	4	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.85	758.1	29.90	759.4	79.9	26.6	63	wsw.	25.0	11.2			8			0	0	d. clouds	
Deesa	29.30	745.6	29.82	757.3	95.0	35.0	16	w.	15.0	6.7			1	wnw.		0	0	d. clouds	
Bombay	29.85	758.3	29.89	759.2	81.5	27.5	62	nw.	17.0	7.6			0			0	0	blue sky	
Poona, Yarrowda	28.01	711.4	29.81	757.1	94.8	34.9	13	wsw.	10.0	4.5			3			0	0	d. clouds	
Belgaum	27.37	695.1	29.87	758.6	84.5	29.2	33	wsw.	9.0	4.0			3	n.	e.	0	0	d. clouds	
Lahore	29.06	738.1	29.82	757.3	70.7	21.5	66	ne.	6.0	2.7			10			0.16	4.1	drizzling	
Roorkee	28.94	735 1	29.85	758.2	75.7	24.3	41	e.	2.0	0.9			10	w.		0	0	overcast	
Agra	29.25	742.9	29.80	757.0	89.2	31.8	25	nw.					9		nw.	0	0	d. clouds	
Nagpur	28.76	730 4	29.77	756.1	95.7	35.4	16	calm	3.0	1.3			3		w.	0	0	d. clouds	

STATIONS.	Barometer: Corrected for instrumental error and for temperature. Inch.	Barometer: Corrected for instrumental error and for temperature. Mill.	Barometer: Reduced to sea-level. Inch.	Barometer: Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind: Direction. From.	Wind: Velocity. Miles p. hr.	Wind: Velocity. Mtrs. p. sec.	Wind: Force. 0–10	Clouds: Amount and kind. Upper. 0–10	Clouds: Amount and kind. Lower. 0–10	Clouds: Direction. Upper. From.	Clouds: Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
INDIAN.—Continued.																			
Pubbulpore	28.47	723.0	29.79	756.6	93.7	34.3	21	w.	4.0	1.8	.....	.....	4	w.	.....	0	0	d. clouds	
Lucknow	29.44	747.8	29.81	757.2	88.1	31.2	25	wnw.	3.0	1.3	.....	.....	4	e.	.....	0	0	d. clouds	
Allahabad	29.46	748 4	29.77	756.1	92.4	33.6	19	ww.	4.0	1.8	.....	.....	10	.....	.....	0	0	overcast	
Patna	29.60	751.7	29.78	756.3	89.4	31.9	27	nw.	4.2	1.9	.....	.....	8	nw.	nw.	0	0	d. clouds	
Hazaribagh	27.81	706 4	29.79	756.6	86.6	30.3	17	nnw.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.73	755.1	29.81	757.2	90.6	32.6	43	sse.	.....	.....	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29 78	756 4	29.80	756.9	85.5	31.4	28	ssw.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Dhubri	29.67	753 5	29.78	756.5	84.2	29.0	42	calm	0.4	0.2	.....	.....	0	.....	.....	0	0	blue sky	
Chittagong	29.79	756.6	29.88	759.0	78.7	25.9	83	s.	5.1	2.3	.....	.....	1	.....	s.	0	0	d. clouds	
Sibsagar	20.53	750.1	29.87	758.8	72.7	22.6	70	ne.	1.0	0.4	.....	.....	10	e.	e.	0	0	d. clouds	
Jeypore	28.37	720.6	29.79	756.8	87.4	30.8	23	nw	12.5	5.6	.....	.....	9	nw.	w	0	0	.....	
Zanzibar	29.82	757.5	29.85	758.1	86.0	30.0	60	ene.	8.0	3.6	.....	.....	2	.....	ene.	0	0	d. clouds	
Bellary	28.38	720.8	.....	.....	97.0	36.1	14	e.	4	1.8	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.64	752.8	.....	.....	91.2	32.9	35	ene.	0.2	0.1	.....	3	4	.....	.....	0	0	d. clouds	
ITALIAN.																			
Udine	29.93	760.2	30.34	770.7	64.6	18.1	44	ne.	3.8	1.7	.....	.....	7	.....	.....	0	0	.....	Prof. Giovanni Clodig.
Milan	29.82	757.3	29.34	770 5	62.6	17.0	53	se.	3.1	1.4	.....	.....	2	nnw.	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	30.22	767.6	30.33	770.4	61.5	16.4	54	sw.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.42	747.2	30.33	770.3	60.1	15.6	34	sse.	1.8	0.8	.....	.....	2	e.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	30.10	764.4	30.29	769.3	65.8	18.8	38	n.	3.8	1.7	.....	.....	0	.....	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	30.30	769.5	30.34	770.7	53.4	11.9	81	n.	8.7	3.9	.....	.....	0	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	30.00	761.9	30.25	768.4	64.8	18.2	42	ene.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	30.13	765.3	30.22	767.5	66.2	19.0	42	s.	2.5	1.1	.....	.....	0	.....	.....	0	0	.....	Prof. P. Monte.
Rome	30.09	764 3	30.26	768.7	64.9	18.3	43	wsw.	3.8	1.7	.....	.....	2	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	30.00	761.9	30.25	768.4	60.3	15.7	56	nne.	6.9	3.1	.....	.....	2	.....	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	29.34	745.2	30.24	768.1	58.6	14.8	76	wnw.	3.1	1.4	.....	.....	2	.....	.....	0	0	.....	Prof. D. Conti.
Palermo	30.00	762.0	30.25	768.4	58.3	14.6	71	ne.	4.9	2.2	.....	.....	10	.....	.....	0	0	.....	Prof. G. Cacciatore
Syracuse	30.18	766.6	30.23	767.8	59.4	15.2	59	nne.	2.5	1.1	.....	.....	9	w.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.73	755.2	.....	.....	63.5	17.5	52	s.	0.7	0.3	.....	.....	1	.....	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	29.86	758.3	29.89	759.2	33.7	0.9	92	n.	.....	.....	4	.....	10k;ks	.....	w.	0.102	2.6	cloudy	H. Hattori.
Awomori	29.86	758.4	29.89	759.2	31.4	— 0.3	95	sw.	3.8	1.7	.....	.....	10 n	.....	.....	0.142	3.6	light snow	K. Ogawa.
Hakodate	29.87	758.8	29.88	759.1	30.0	— 1.1	76	nnw.	4.2	1. 9	.....	0	6 ks	.....	.....	0	0	cloudy	Y. Souma.
Hamamatsu	29.90	759.4	30.00	761.9	43.1	6.2	69	calm	.....	.....	0	1 ck	3 s	w.	w.	0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.08	764.0	30.10	764.5	45.4	6.3	90	n.	3.2	1.4	.....	0	8 s	.....	n.	0.008	2.0	cloudy	Y. Okamoto.
Kagoshima	30.09	764.3	30.10	764.6	52.6	11.1	86	wnw.	.....	.....	2	.....	10 s	.....	.....	0	0	overcast	
Kanazawa	29.96	761.0	30.07	763.7	36.2	2.3	95	s.	5.6	2.5	.....	.....	10 n	.....	.....	0.948	24.1	raining	S. Endo.
Kioto	29.88	758.9	30.05	763.3	42.0	5.6	93	se.	1.5	0.6	.....	.....	10 n;s	.....	.....	0.006	0.1	light rain	M. Tojima.
Kochi	30.05	763.3	30.07	763.8	51.1	10.6	63	e.	1.9	0.8	.....	.....	10 s	.....	.....	0	0	overcast	K. Kusunose.
Miasaka	30.07	763.7	30.09	764.4	50.1	10.1	86	nne.	.....	.....	2	.....	9ks;s	.....	w.	0	0	cloudy	K. Masusaki&T.Ishitain.
Miyako	29.79	750 7	29.90	759.5	37.0	2.8	61	calm	0	0	.....	.....	10 s	.....	nw.	0	0	cloudy	N.Honno & K.Suwa.
Nagasaki, I. M. Obs'y	29.89	759.2	30.10	764.5	51.5	10.8	69	calm	0	0	.....	.....	9 s	.....	sw.	0	0	cloudy	
Nemuro	29.78	756.4	29.83	757.7	24.0	— 4.4	73	calm	0	0	.....	1 k	0	.....	.....	0	0	clear	A Shibuya.
Niigata	29.94	760 5	29.98	761.5	39.7	4.3	92	nw.	1.3	0.5	.....	.....	10 n	.....	.....	0.335	8.5	light rain	Satoo & Tomikawa.
Nobiru	29.88	759 1	29.90	759.5	41.6	5.3	83	s.	17.6	7.9	.....	.....	10k;ns	.....	.....	0	0	overcast	Yoshino & Midzushina.
Numadzu	29.88	758.9	29.91	759.8	48.8	9.3	52	wsw.	.....	.....	6	5 ck	0	w.	.....	0	0	fair	T. Ohgi.
Osaka	30.05	763.1	30.06	763.6	43.4	6.3	86	sw.	6.3	2.8	.....	.....	10 s	.....	.....	0	0	cloudy	H. Omura.
Sakai	30.09	764.2	30.10	764 4	40.6	4.8	95	w.	.....	.....	2	.....	10 ks	.....	wnw.	0.260	6.6	cloudy	Yamawchi & Sakamoto.
Sapporo	29.80	756.9	29.87	758.7	18.0	— 7.8	72	calm	0	0	.....	0	8 ns	.....	nw.	0.105	2.7	cloudy	S. Kimura.
Shimonoseki	29.97	761.1	30.11	764.8	45.1	7.3	85	ne.	.....	.....	1	.....	10 ks	.....	w.	0.020	0.5	cloudy	S. Sakano.
Tokei Obs'y, Yedo	29.85	758.2	29.93	760.2	39.4	4.1	79	s.	4.4	2.0	.....	1 ck	0	w.	.....	0	0	clear	The Staff.
Wakayama	30.02	762.4	30.07	763.8	45.6	7.6	71	calm	0	0	.....	.....	10ck;n	.....	.....	.....	.....	light rain	The Staff.
MAURITIUS.																			K.Sakai.
Mauritius R.A.Observatory	29.70	754.4	29.89	759.2	78.3	25.7	79	s.	3.5	1.6	.....	.....	10ks;kn	.....	.....	0.07	1.8	cloudy	The Staff.
MEXICAN.																			
Leon	24.37	619.0	30.22	767.6	46.0	7.8	68	n.	0.9	0.4	.....	0	0	.....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.70	754 3	29.96	760.9	62.0	16.7	66	n.	1.6	0.8	.....	2 cs	0	.....	.....	0	0	hazy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.24	768.2	30.24	768.2	54.3	12.4	.....	s.	.....	.....	3	.....	.....	.....	.....	0	0	.....	
Groningen	30.22	767.5	30.27	768.9	52.7	11.5	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	30.22	767.7	30.22	767.7	53.1	11.7	.....	s.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	30.26	768.5	30.26	768.5	57.7	14.3	59	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Utrecht	30.23	767.8	30.28	769.0	57.7	14.3	55	s.	.....	.....	2	.....	7	.....	.....	0	0	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.88	759.0	.....	.....	77.4	25.2	89	n.	0	0	.....	.....	7	.....	.....	0.008	0.2	.....	Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.88	758.9	29.94	760.5	44.6	7.0	88	s.	22	10	.....	.....	10	.....	.....	0.228	5.8	raining	
Brono	29.80	756.8	29.84	757.8	38.1	3.4	76	e.	.....	.....	4	.....	9	.....	.....	0.063	1.6	light rain	
Christiania	30.06	763.4	30.21	767.3	34.0	1.1	92	nw.	0	0	.....	.....	10	.....	.....	0.028	0.7	fog,y	
Gjæsvær	29.99	761.7	30.01	762.3	34.5	1.4	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	snowing	
Lodingen	29.91	759 6	29.95	760.8	36.0	2.2	61	ene.	.....	.....	2	.....	0	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr.A.M.R.dos Santos.
Funchal, Madeira	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.843	21.4	raining	Capt. D. A. de Cunha.
Lisbon, Observatory	29.89	759.3	29.98	761.5	60.1	15.6	91	calm	1.8	0.8	.....	.....	10	.....	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	29.76	755.8	30.09	764.3	59.5	15.3	48	ese.	11.9	5.3	.....	.....	2	ssw.	.....	0.122	3.1	.....	
Saint Paul de Loando	29.82	757.4	29.89	759.2	57.2	14.0	55	wnw.	9.4	4.2	.....	.....	4	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
San Salvador, Congo	30.02	762.5	30.06	763.4	69.4	20.8	73	ene.	.....	.....	4	.....	2	.....	.....	0	0	.....	
Serra da Estrella	28.00	711.1	29.81	757.1	83.1	28.4	61	w.	.....	.....	1	.....	5	.....	.....	0	0	.....	
RUSSIAN.	25.30	642.6	30.11	764.7	41.7	5.4	63	ese.	52.1	23.3	.....	.....	5	.....	.....	0	0	.....	
Akmolinski	29.28	743.6	30.50	774 6	0.5	—17.5	78	wsw.	11	5	.....	3 c	0	.....	.....	0	0	light clouds	Major K. Lasarew.
Archangel	30.13	765.4	30.15	765.9	30.0	— 1.1	82	w.	2	1	.....	2 cs	0	.....	.....	0	0	.....	Capt. Sselliwerstow
Asahurada	30.17	766.3	30.08	763.9	54.1	12.3	75	n.	9	4	.....	.....	10 kn	.....	.....	0	0	.....	
Astrakhan	30.35	770.9	30.27	768.9	30.7	— 0.7	44	ene.	18	8	.....	.....	10 ks	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.17	766.3	30.12	765.1	38.7	3.7	82	n.	16	8	.....	.....	9 kn	.....	.....	0	0	.....	
Barnaul	29.83	757.6	30.40	772.1	— 6.2	—21.2	78	sw.	22	10	.....	.....	9	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.90	759.4	30.41	772.3	19.2	— 7.1	67	calm	0	0	.....	4 cs	0	.....	.....	0	0	solar halo	
Dorpat	30.12	765.0	30.38	771.6	25.7	— 3.5	78	ne.	4	2	.....	0	2 ks	.....	.....	0.039	1.0	.....	Observatory.
Ekaterinburg	29.30	744.3	30.33	770 3	24.6	— 4.1	39	wsw.	13	6	.....	.....	10	.....	.....	0	0	solar halo	Meteorological Obs'y.
Elisawetgrad	29.91	759.6	30.39	771.8	28.2	— 2.1	64	ne.	4	2	.....	10 cs	0	.....	.....	0	0	.....	
Kasan	30.34	770.6	30.63	778.1	17.8	— 7.9	68	ssw.	4	2	.....	.....	10	.....	.....	0	0	light clouds	Observatory.
Kem	30.15	765 8	30.20	767.1	34.5	1.4	59	sw.	9	4	.....	.....	0	.....	.....	0	0	.....	
Kerlon	30.21	767.2	30.23	767.8	28.4	— 2.0	.....	ne.	7	3	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Sastyrea.
Kieff	29.65	753.2	30.34	770.5	24.4	— 4.2	77	se.	7	3	.....	.....	10ks;n	.....	.....	0	0	.....	Observatory.
Koslov	30.01	762.2	30.57	776.4	10.8	—11.8	71	calm	0	0	.....	0	0	.....	.....	0	0	.....	
Lgov	29.84	758.0	30.49	774.4	12.4	—10.9	70	e.	7	3	.....	.....	7	.....	.....	0	0	.....	R.I.Saaweljew, Engin'r.
Libau	30.36	771.2	30.39	771.8	32.7	0.4	79	n.	7	3	.....	.....	8	.....	.....	0.217	5.5	.....	L. Quase.
Lugan	30.13	765.4	30.36	771.1	17.2	— 8.2	56	ne.	22	10	.....	.....	6	.....	.....	0	0	light clouds	Meteorological Obs'y
Moscow	30.01	762.3	30.54	775.8	14.5	— 9.7	68	sse.	4	2	.....	1 c	0	.....	.....	0	0	.....	Meteorological Obs'y
Nertschinsk	27.63	701.9	30.06	763.5	18.7	— 7.4	59	calm	0	0	.....	.....	10	.....	.....	0.098	2.5	.....	
Nikolaiev	30.30	769.6	30.37	771.4	28.2	— 2.1	79	calm	0	0	.....	.....	10 n	.....	.....	0	0	.....	Capt. Kurdakow.

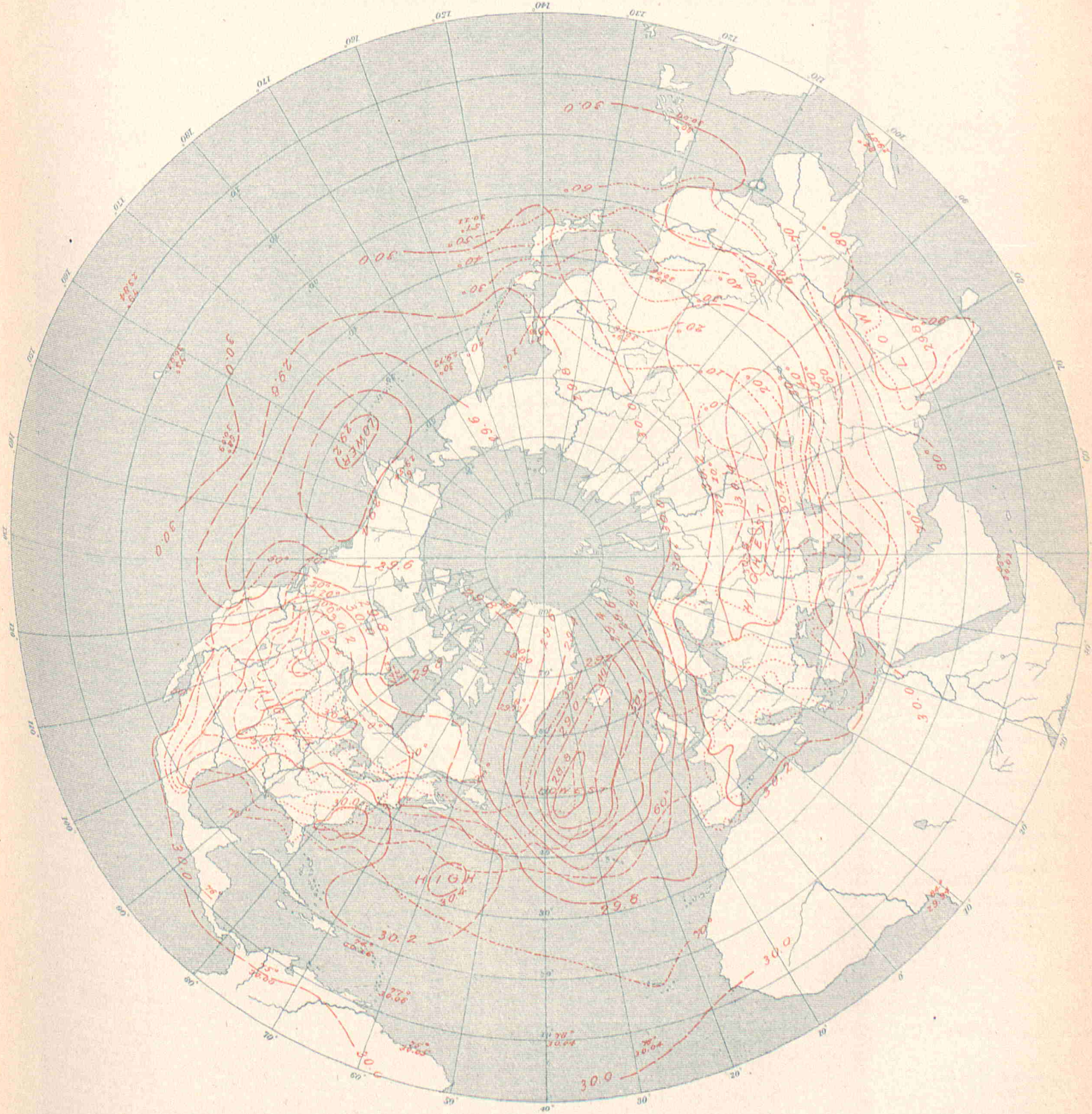
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	mean.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mils. p. sec	c—10	c—10	c—10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.69	754.1	29.78	756.3	6.1	—14.4	70	wsw.	9	4	.....	2 ck	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.92	759.9	30.06	763.5	38.8	3.8	78	se.	3.4	1.5	.....	0	5 ks	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.78	756.3	30.13	765.3	55.4	13.0	19	ne.	2	1	.....	.....	9 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.10	764.6	30.31	769.9	28.0	— 2.2	71	wsw.	9	4	.....	0	8 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.70	754.4	30.22	767.6	34.9	1.6	87	ese.	4	2	.....	.....	10 s	.....	.....	0.059	1.5	snowing	
Poti	30.12	765.0	30.15	765.8	46.6	8.1	79	ssw.	4	2	.....	.....	10 n	.....	.....	0.154	3.9	.....	
St. Petersburg	30.36	771.1	30.38	771.7	23.5	— 4.7	65	s.	4	2	.....	10 cs	0	.....	.....	0	0	light fog	Central Physical Obs'y.
Samarkand	27.57	700.3	30.02	762 6	57.4	14.1	61	calm	0	0	.....	0	7 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.89	759.1	30.63	778.1	— 2.7	—19.3	75	se.	9	4	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	30.02	762.5	30.24	768.1	39.9	4.4	65	n.	16	7	.....	0	5 s	.....	.....	0	0	.....	.....
Staroi Bykhov	29.75	755.6	30.34	770.6	27.5	— 2.5	58	se.	13	6	.....	ck	6 s	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.41	721.6	30.08	764.0	55.4	13.0	68	nw.	4	2	.....	.....	4 s	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.66	727.9	30.11	764.7	46.0	7.8	46	nw.	22	10	.....	0	1 k	.....	.....	inap.	inap.	.....	Physical Observatory
Vernoe	27.65	702.3	30.32	770 0	24.3	— 4.3	80	w.	2	1	.....	.....	10 n	.....	.....	.....	.....	.....	Larlono.
Viatka	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Vladivostock	30.03	762.8	30.10	764.5	18.5	— 7.5	64	nne.	22	10	.....	.....	0	.....	.....	0	0	.....	.....
Warsaw	29.91	759.7	30.35	771 0	38.3	3.5	72	nnw.	18	8	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.77	756.2	30.09	764.3	4.8	—15.1	67	w.	13	6	.....	.....	6	.....	.....	0.008	0.2	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.86	758.4	30.41	772,4	16.3	— 8.7	57	se.	9.3	4.2	.....	1	0	.....	.....	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	30.19	766.7	30.30	769.5	57.6	14.2	84	sw.	.....	.....	.....	.....	10 kn	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	30.10	764.4	30.15	765.9	69.8	21.0	45	s.	3.6	1.6	.....	0	0	.....	.....	0	0	clear	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.21	691.0	30.17	766.2	58.5	14.7	47	s.	2.5	1.1	.....	.....	1	.....	.....	0	0	almost clear	Domingo Martin.
Madrid, Royal Obs'y	27.98	710.6	30.20	767.1	61.5	16.4	57	e.	13.0	5.8	.....	0	1	.....	.....	0	0	clouds	The Staff.
Murcia, Met. Obs'y	30.11	764.7	30.23	767.9	59.7	15.4	79	e.	4.0	1.8	.....	4	5	w.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.13	739.8	30.02	762.4	59.5	15.3	55	sw.	11.9	5.3	.....	.....	3?	.....	.....	0	0	cloudy?	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.04	762.9	30.10	764.6	70.4	21.3	87	se.	3.1	1.4	.....	1 cs	1 k	sw.	s.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.95	760.0	30.00	762.1	79.5	26.4	77	se.	2.2	1.0	.....	0	1 ks	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	30.00	762.0	30.10	764.6	61.5	16.4	64	e.	26.0	11.6	.....	0	8	.....	e.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	30.07	763.8	30.16	766 1	73.8	23.2	76	se.	2.2	1.0	.....	3 cs	5 k	se.	se.	0.043	1.1	d. clouds	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.20	767.0	30.24	768.0	19.0	— 7.2	95	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Umea	30.19	766.7	30.24	768.0	35.2	1.8	82	w.	.....	.....	2	.....	1	.....	.....	0.059	1.5	.....	.....
Hernosand	30.15	765.9	30.21	767.2	35.6	2.0	71	s.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....
Stockholm	30.19	766 8	30.37	771 3	35.2	1.8	82	sw.	.....	.....	2	.....	10	.....	.....	0.146	3.7	.....	.....
Wisby	30.28	769.0	30.34	770.5	36.0	2.2	79	ne.	.....	.....	2	.....	10	.....	.....	0.185	4.7	.....	.....
Sub-series.																			
Upsala	30.25	768.3	30.34	770.5	31.1	— 0.5	92	s.	10.3	4.6	.....	.....	10	.....	.....	inap.	inap.	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.87	733.3	30.30	769.6	52.7	11.5	68	n.	.....	.....	1	.....	0	.....	.....	0	0	clear	.....
TURKISH.																			
Constantinople	.....	.....	30.39	772 0	38.3	3.5	62	n.	10	4.5	.....	.....	7	.....	n	0	0	.....	The Observatory.
Valona	.....	.....	30.32	770.2	66.6	19.2	.....	sw.	.....	.....	3	.....	2	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.92	760.0	57.2	14.0	81	sw.	.....	.....	4	.....	10 n	.....	sw.	0.131	3.3	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	30.15	765.8	30.24	768.1	40	4.4	82	s.	1	0.4	.....	.....	10s;fg	.....	.....	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.66	753.4	30.36	771 1	9.8	—12.3	80	nw.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.05	630.3	30.07	763.8	31.7	— 0.2	72	se.	2	0.9	.....	7 cs	0	w.	.....	0	0	fair	J. B. Turton.
Assinnaboine, Ft., Montana	27.36	694.9	30.35	771.6	7.0	—13.9	83	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.84	732.5	30.05	763 3	38.2	3.4	91	ne.	6	2.7	.....	.....	10 s	.....	ne.	0.57	14.5	cloudy	S. W. Beall.
Atlantic City, New Jersey	30.06	763 5	30.07	763 8	37.3	2.9	89	n.	21	9.4	.....	.....	10 n	.....	.....	0.23	5.8	light rain	B.A.Blundon.
Augusta, Georgia	29.84	757.9	30.04	763.0	46.5	8.1	81	calm	0	0	.....	.....	10 s	.....	.....	1.20	30.5	cloudy	W.J.Evans.
Baltimore, Maryland	30.10	764.5	30.15	765.8	40.5	4.7	92	ne.	9	4.0	.....	.....	10 n	.....	ne.	0.27	6.9	heavy rain	Geo. W. Feiger.
Barnegat City, New Jersey	30.12	765.0	30.14	765.5	36.0	2.2	100	ne.	25	11.2	.....	.....	ton;fg	.....	ne.	0.07	1.8	light rain	J.P.Sherry.
Bennett, Fort, Dakota	28.70	729.0	30.40	772.1	20.0	— 6.7	73	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	A. Pritchard.
Benton, Fort, Montana	27 22	691.4	30.20	767.1	29.0	— 1.7	87	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	C.S.Bennett.
Bismarck, Dakota	28.42	721 9	30.34	770.6	10.5	—11.9	80	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	30.18	766 6	30.21	767.3	40.3	4.6	86	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	J. T. Elker.
Boise City, Idaho	27.26	692 4	30.18	766.6	34.0	1.1	73	calm	0	0	.....	.....	10 s	.....	s.	0	0	cloudy	James Kenealy.
Boston, Massachusetts	30.04	763.0	30.20	767.1	41.0	5.0	65	w.	4	1.8	.....	.....	ros;hz	.....	w.	0	0	cloudy	O. B. Cole.
Brownsville, Texas	30.20	767.1	30.26	768.6	53.0	11.7	100	nw.	5	2.2	.....	.....	fg.	.....	.....	0	0	dense fog	John McGlone.
Buffalo, New York	29.47	748.5	30.26	768.5	28.8	— 1.8	75	n.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.23	717.0	30.39	771.9	2.2	—16.6	87	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.83	757.7	30.25	768 3	39.5	4.2	68	n.	12	5.4	.....	2 c	0	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.64	752.8	29.84	757.9	46.8	8.2	71	e.	15	6.7	.....	1 c	2 s	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	29.87	758.7	29.89	759.2	44.0	6.7	100	ne.	22	9.8	.....	.....	10 s	.....	.....	1.40	35.6	cloudy	A. K. Alderson.
Cape May, New Jersey	29.98	761.5	30.00	762.0	38.0	3.3	100	ne.	28	12.5	.....	.....	10 n	.....	.....	0.83	21.1	light rain	W.E.Smith.
Cape Mendocino, California	29.00	736.6	29.69	754.1	49.8	9.9	86	se	36	16.1	.....	.....	10 s	.....	se.	0.02	0.5	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.00	762.0	30.02	762.5	61.5	16.4	100	nw.	9	4.0	.....	.....	10 n	.....	w.	0.75	19.0	light rain	G. W. Davis.
Charleston, S. Carolina	29.94	760 5	30.00	762.0	48.9	9.4	100	nw.	7	3.1	.....	.....	10 s	.....	nw.	0.42	10.7	threatening	J. H. Smith.
Charlotte, N. Carolina	29.15	740.4	30.03	762.7	38.0	3.3	92	n.	4	1.8	.....	.....	10 n	.....	ne.	1.23	31.2	light rain	D. O'Donoghue.
Cheyenne, Wyoming	29.17	740.9	30.02	762.5	43.5	6.4	83	s.	4	1.8	.....	.....	10 ks	.....	w	0.50	12.7	cloudy	B. L. Goulding.
Chicago, Illinois	24.11	612.4	30.31	769 9	19.4	— 7.0	59	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chincoteague, Virginia	29.56	750 8	30.30	769.6	31.6	— 0.2	55	ne.	10	4.5	.....	0	0	.....	.....	0	0	clear	Wm. Norrington.
Cincinnati, Ohio	29.95	760.7	29.97	761.2	40.5	4.7	100	ne.	15	6.7	.....	.....	ton;fg	.....	ne.	0.93	23.6	light rain	C. F. Dickens
Cleveland, Ohio	29.43	747.5	30.12	765.0	44.2	6.8	68	e.	7	3.1	.....	.....	10 s	.....	e.	0	0	cloudy	L. Dunne.
Columbus, Ohio	29.43	747.5	30.21	767.3	35.2	1.8	84	n.	7	3.1	.....	.....	10 s	.....	n	0	0	cloudy	W. Line.
Concho, Fort, Texas	29.23	742.4	30.12	765.0	41	5.0	65	ne.	13	5.8	.....	.....	10 n	.....	.....	inap.	inap.	light rain	F.T. Williams
Custer, Fort, Montana	28.44	722.4	30.41	772.4	30.0	— 1.1	88	s.	6	2.7	.....	0	0	.....	.....	0	0	clear	C. E. King.
Davenport, Iowa	27.08	687.8	30.41	772.4	6	—14.4	76	se.	4	1.8	.....	0	2 s	.....	.....	0	0	clear	W.J.Daily.
Davis, Fort, Texas	29.68	753.9	30.37	771.4	26.0	— 3.3	61	ne.	9	4.0	.....	3 cs	0	w.	.....	0	0	clear	R. R. Martin.
Dayton, Washington Ty'y	25 38	644.6	30.25	768.3	34.1	1.2	74	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Williams.
Deadwood, Dakota	28.31	719.1	30.13	765.3	30.1	— 1.1	80	ne.	2	0.9	.....	4 ck	0	w.	.....	0	0	clear	T.Gibson.
Delaware Breakwater, Del.	25.55	649.0	30.39	771.9	16.5	— 8.6	70	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	G.W.Scott.
Denver, Colorado	30.03	762.7	30.05	763.3	37.5	3.1	100	ne.	35	15.6	.....	.....	10 n	.....	.....	0.90	22.9	light rain	G.A.Martin.
Des Moines, Iowa	24.88	631.9	30.32	770.1	29.0	— 1.7	73	calm	0	0	.....	4 ck	0	w.	.....	inap.	inap.	fair	F. M. Neil.
Detroit, Michigan	29.51	749.5	30.47	773.9	18	— 7.8	67	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear	F. W. Conrad.
Dodge City, Kansas	29.52	749.8	30.27	768.8	30.0	— 1.1	78	n.	11	4.9	.....	.....	10 s	.....	n.	0	0	cloudy	N.B.Conger.
Dubuque, Iowa	27.75	704.8	30.48	774.2	21.5	— 5.8	61	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	J.E.Lanouette.
Duluth, Minnesota	29.66	753.4	30.41	772.4	18.7	— 7.4	64	nw	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Harvey Smith
Eastport, Maine	29.59	751.6	30.38	771.6	6.0	—14.4	63	calm	0	0	.....	0	0	.....	.....	0	0	clear	E.R.Bruce.
Elliott, Fort, Texas	30.10	764.5	30.17	766.3	34.0	1.1	74	sw.	4	1.8	.....	8 ck	0	sw.	.....	0	0	cloudy	D. C. Murphy.
El Paso, Texas	27.55	699.8	30.38	771.6	28.5	— 1.9	88	n.	6	2.7	.....	.....	10 s	.....	n.	0	0	cloudy	J. C. Rickli.
Erie, Pennsylvania	26.42	671.1	30.22	767.6	38.4	3.6	47	calm	0	0	.....	2 cs	0	.....	.....	0	0	clear	F. Belford.
Escanaba, Michigan	29.46	748.3	30.23	767 8	31.8	— 0.1	80	ne.	21	9.4	.....	.....	10 s	.....	.....	0	0	cloudy	P. Wood.
Fort Smith, Arkansas	29.68	753.9	30.38	771.6	2.5	—16.4	77	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	L.M.Pindell.
Galveston, Texas	29.74	755 4	30.23	767.8	45.2	7.3	60	n.	10	4.5	.....	.....	10 s	.....	w.	0	0	cloudy	J. B. Campbell.
Grand Haven, Michigan	30.19	766.8	30.23	767.8	55.0	12.8	69	n.	6	2.7	.....	2 cs	0	.....	.....	0	0	clear	E. O'C. Macinerney
Grant, Fort, Arizona	29.63	752.6	30.33	770.4	24.1	— 4.4	86	n.	6	2.7	.....	0	1 s	.....	.....	0	0	clear	Joseph E. Mueller
Hatteras, North Carolina	25.24	641 1	30.07	763 8	45.3	7.4	26	e.	2	0.9	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
	29.89	759.2	29.90	759.4	57.2	14.0	100	s.	8	3.6	.....	6 k	3 ks	s.	sw.	0.80	20.3	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	26.00	660.4	30.32	770.1	19	— 7.2	70	w.	4	1.8		5 cs	0			0	0	fair	S. W. Morrison.
Huron, Dakota	28.87	733.3	30.35	770.9	21.0	— 6.1	82	s.	6	2.7		0	0			0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.32	744.7	30.16	766.1	35.5	1.9	66	n.	6	2.7		7 cs	2 s	w.	n.	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	30.23	767.8	30.26	768 6	55.2	12.9	68	n.	16	7.2		0	1 s			0	0	clear	I. A. Reed.
Jacksonville Florida	29.97	761 2	30.02	762.5	65.0	18.3	100	sw.	1	0.4			10 n		sw.	1.29	32.8	thund'r st'm	J. W. Smith.
Keokuk, Iowa	29.66	753.4	30.35	770.9	28.1	— 2.2	72	n.	5	2.2		10 k	0	nw.		0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	30.07	763.8	30.09	764.3	74.8	23.8	82	s.	11	4.9		4 cs	2 k	sw.	s.	0	0	fair	J. J. Lackey.
Kittyhawk, North Carolina	29.86	758.4	29.88	758.9	45.2	7.3	93	ne.	4	1.8			fg.			1.18	30.0	dense fog	Wesley Blake.
Knoxville, Tennessee	28.96	735.6	30.02	762.5	40.2	4.6	98	sw.	6	2.7			10 n		sw.	0.65	16.5	light rain	J. A. Cody.
La Crosse, Wisconsin	29.60	751.8	30.42	772.7	8.3	—13.2	76	nw.	2	0.9		0	0			0	0	clear	S. C. Emery.
Leavenworth, Kansas	29.48	748.8	30.42	772.7	28	— 2.2	77	nw.	6	2.7		3 c	3 s	nw.		0	0	fair	C. Dill.
Lewiston, Idaho	29.26	743.2	30.12	765.0	35.0	1.7	78	calm	0	0		0	0			0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.85	758.2	30.18	766.6	43.0	6.1	68	nw.	2	0.9			10 s			0	0	cloudy	W. U. Simons.
Los Angeles, California	29.61	752.1	30.01	762.2	52.5	11.4	86	ne.	7	3.1			10 s		e.	0	0	cloudy	T. S. Collins.
Louisville, Kentucky	29.50	749.3	30.09	764.3	43.1	6.2	71	n.	5	2.2			10 s			inap.	inap.	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.31	744.5	30.03	762.7	38.0	3.3	86	ne.	3	1.3			10 n		ne.	0.76	19.3	light rain	Jno. Healy.
Mackinaw City, Michigan	29.70	754.4	30.40	772.1	8.0	—13.3	76	calm	0	0		4 cs	0			0	0	fair	D. B. Notson.
Macon, Fort, North Carolina	29.90	759.4	29.91	759 7	51.0	10.6	100	ne.	6	2.7			10 s		sw.	1.00	25.4	cloudy	William Daly.
Maginnis, Fort, Montana	25.65†	651.5†	30.25†	768.3†	20.4†	—6.4†	58	w	2	0.9		0	0			0	0	clear	F. Burke.
Marquette, Michigan	29.62	752.3	30.38	771.6	11.5	—11.4	70	w.	9	4.0		0	0			0	0	clear	J. Gilligan.
Memphis, Tennessee	29.79	756.7	30.14	765.5	45.0	7.2	54	nw.	4	1.8		10 cs	0	sw.		0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.54	750 3	30.33	770.4	23.1	— 4.9	75	n.	12	5.4		0	0			0	0	clear	S. W. Rhode.
Mobile, Alabama	30.07	763.8	30.11	764.8	46.9	8.3	88	nw.	5	2.2		0	2 s		n	0.71	18.0	clear	H. U. Jones.
Montgomery, Alabama	29.81	757.2	30.05	763.3	49	9.4	100	nw.	8	3.6			10ks;s		nw.	0.16	4.1	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.18	741.2	30.26	768.6	3	—16.1	72	s.	6	2.7		0	0			0	0	clear	H. Bessant.
Mt. Washington, N. H.	23.68	601.5	30.20	767.1	15.5	— 9.2	93	nw.	50	22.4			10 s		nw.	0	0	cloudy	J. H. Melton.
Nashville, Tennessee	29.49	749.0	30.09	764.3	40.4	4.7	90	nw.	6	2.7		10 cs	0	n.		0.84	21.3	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	30.08	761.0	30.20	767.1	37.3	2.9	77	calm	0	0			10s:fg			0	0	cloudy	J. H. Sherman.
New London, Connecticut	30.15	765.8	30.20	767.1	38.0	3.3	89	calm	0	0			10 s			0	0	cloudy	J. G. Lynch.
New Orleans, Louisiana	30.08	764.0	30.14	765.5	50.0	10.0	86	n.	8	3.6		0	0			0.44	11.2	clear	M. Herman.
New York, New York	30.03	762.7	30.21	767.3	40.2	4.6	67	calm	0	0			10n;fg			inap.	inap.	light rain	W. Finn.
Norfolk, Virginia	29.85	758 2	29.88	758.9	44.2	6.8	100	ne.	8	3.6			10 n			1.88	47.8	light rain	Wm. Davis.
North Platte, Nebraska	27.34	694.4	30.40	772.1	26.6	— 3.0	84	sw.	3	1.3		0	0			0	0	clear	E. F. Brady.
Olympia, Washington T'y	29.88	758.9	29.92	760.0	34.0	1.1	88	calm	0	0		0	0			0	0	clear	J. Descomb.
Omaha, Nebraska	29.23	742.4	30.48	774.2	21.3	— 5.9	71	calm	0	0		0	0			0	0	clear	A. Pollak
Oswego, New York	29.87	758.7	30.21	767.3	30.0	2.2	73	ne.	4	1.8			10s;hz			0	0	cloudy	J. G. Linsley.
Palestine, Texas	29.69	754.1	30.26	768.6	46.2	7.9	75	nw.	13	5.8		0	2 s			0	0	clear	P. T. Jenkins.
Pensacola, Florida	30.05	763.3	30.08	764.0	50.8	10.4	88	n.	6	2.7			10 s		nw.	2.18	55.4	cloudy	M. McGauran.
Philadelphia, Pa	30.06	763.5	30.16	766.1	37.0	2.8	100	ne.	14	6.3			10 n			0.11	2.8	light snow	T. F. Townsend.
Pike's Peak, Colorado	17.75	450.8	30.34	770.6	7.0	—13.9	69	nw.	21	9.4		0	4 ks		w.	0	0	fair	H. Hall.
Pittsburg, Pennsylvania	29.30	744.2	30.15	765.8	42.0	5.6	61	ne.	4	1.8			10 s			inap.	inap.	cloudy	O. D. Stewart.
Poplar River, Montana					2.9	—16.2						0	2 ks			0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.53	750.0	30.25	768.3	25.0	— 3.9	80	n.	20	8.9			10 s			0	0	cloudy	M. H. Perry
Portland, Maine	30.14	765.5	30.19	766.8	42.5	5.8	59	nw.	2	0.9			10s;sk		nw.	0	0	cloudy	W. W. Eichelberger.
Portland, Oregon	29.82	757.4	29.89	759.2	48.5	9.2	53	e	4	1.8		8 k	1 s	s.		0	0	cloudy	M. L. Hearns.
Prescott, Arizona	24.81	630.2	30.15	765.8	30.8	— 0.7	86	sw.	3	1.3		0	2 s			0	0	clear	N. D. Laue.
Provincetown, Mass.	30.19	766.8	30.22	767.6	38.5	3.6	76	sw.	2	0.9			10 s		w.	0	0	cloudy	C. N. Kitchel.
Red Bluff, California	29.44	747.8	29.81	757.2	48	8.9	93	n.	5	2.2			10 n		s.	inap.	inap.	light rain	J. R. Williams.
Rio Grande City, Texas	30.08	764.0	30.32	770.1	53.0	11.7	80	ne.	1	0.4		0	0			0	0	clear	L. G. Schultz.
Rochester, N. Y	29.54	750.3	30.24	768.1	32	0.0	72	n.	6	2.7			10 s			0	0	cloudy	E. W. McGann.
Roseburg, Oregon	29.21	741.9	29.77	756.1	40	7.8	85	calm	0	0		6 ck	0	sw.		0	0	fair	J. J. Nanry.
Sacramento, California	29.66	753.4	29.73	755.1	51.5	10.8	90	n.	9	4.0			10 n		se.	0.01	0.3	light rain	J. A. Barwick.
St. Louis, Missouri	29.62	752.3	30.27	768.8	32.0	0.0	78	n.	19	8.5		2cs;hz	sk.			0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.51	749.5	29.54	750.3	6	—14.4	87	n.	8	3.6		7 cs	2 s			0.04	1.0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.50	749.3	30.41	772.4	2.4	—16.4	94	calm	0	0		3 cs	0			0	0	clear	P. F. Lyons.
St. Vincent, Minnesota	29.30	744.2	30.24	768.1	4.2	—15.4	79	nw.	5	2.2		0	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.74	653.8	30.26	768.6	35	1.7	64	calm	0	0		10 k	0	sw.		0	0	cloudy	J. Craig.
San Diego, California	29.92	760.0	29.99	761.7	50.4	10.2	78	e.	4	1.8			10 s		sw.	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.51	749.5	30.23	767.8	33	0.6	83	n.	18	8.0			10 s		n.	0	0	cloudy	H. F. Hough.
Sandy Hook, New Jersey	30.18	766.6	30.21	767.3	37.9	3.3	89	ne.	9	4.0			10 n			0.08	2.0	light rain	V. P. Chappel.
Sanford, Florida	29.96	761.0	30.01	762.2	72.0	22.2	83	sw.	14	6.3			10 s		sw.	0	0	cloudy	J. B. Marbury
San Francisco, California	29.59	751.6	29.66	753.4	52.8	11.6	84	se.	8	3.6			10 n		se.	0.30	7.6	light rain	N. Gorom.
Savannah, Georgia	29.91	759.7	30.00	762.0	50.5	10.3	90	nw.	6	2.7			10 s		nw.	0.63	16.0	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.56	674.6	30.36	771.1	14.5	— 9.7	74	sw.	2	0.9		0	0			0	0	clear	A. L. Mathews
Shreveport, Louisiana	29.94	760.5	30.12	765.0	48.2	9.0	68	w.	3	1.3		hz.	2s;hz			0	0	clear	E. N. Meekins.
Sitka, Alaska	29.28	743.7	29.35	745.5	39.2	4.0	82	e.	21	9.4			10 n		e.	0.79	20.1	light rain	F. W. Fickett.
Smithville North Carolina	29.87	758.7	29.91	759.7	47.1	8.4	100	n.	6	2.7			10 s			0.32	8.1	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	28.07	713.0	30.20	767.1	27.2	— 2.7	81	e.	2	0.9		0	0			0	0	clear	D. Moore.
Springfield, Illinois	29.58	751.3	30.30	769.6	30.0	— 1.1	82	n.	12	5.4		4 c	3 s	nw.	nw.	0	0	fair	T. B. Jennings.
Stockton, Fort, Texas	27.22	691.4	30.30	769.6	36.0	2.2	49	calm	0	0			10 s			0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.77	756.1	29.87	758.7	48.0	8.9	38	e.	38	17.0		5 cs	0	sw.		0	0	fair	R. Connor.
Thomas, Camp, Arizona	27.33	694.2	30.11	764.8	30.5	2.5	57	e			1	0	0			0	0	clear	R. O. Lord.
Toledo, Ohio	29.48	748.8	30.21	767.3	30.5	— 0.8	64	ne.	12	5.4			10 s			0	0	cloudy	A. Buell.
Unalashka, Alaska	29.09	738.9	29.11	739.4	35	1.7	89	n.	26	11.6			10 n		n.	1.58	40.1	light rain	Samuel Applegate
Vicksburg, Mississippi	29.90	759.4	30.16	766.1	43	6.1	74	calm	0	0		3 c	3 s	w.	sw.	0	0	fair	F. W. Mixer.
Washington, D. C.	29.97	761.2	30.09	764.3	35.8	2.1	91	n.	12	5.4			10 n			0.33	8.4	light rain	T. B. Harrison.
West Las Animas, Colorado	26.28	667.5	30.35	770.9	14.2	— 9.9	74	nw.	2	0.9		3 c	0	nw.		0	0	clear	F. R. Brandenburg
Wilmington, N Carolina	29.87	758.7	29.93	760.2	48.0	8.9	89	n.	2	0.9			10s;hz			0.47	11.9	cloudy	L. H. Albrecht.
Yankton, Dakota	29.05	737.9	30.44	773.2	20.6	— 6.3	75	w	1	0.4		0	0			0	0	clear	E. H. Thompson.
Yuma, Arizona	29.83	757.7	29.98	761.5	52.0	11.1	65	ne.	2	0.9		6 c	0	nw.		0	0	fair	W. S Delano.
Sub-series.																			
Behringisland, Kamchatka	29.71	754.6	29.73	755.1	30.3	— 0.9	84	se.	10	4.5			10 n			0	0	cloudy	George Oheruick.
Bluefields, Nicaragua, C. A.					82	27.8		ne.			2	3 c	3 k		ne.	0	0	fair	W. H. Jackson.
Bogota, U. S. C.	22.00	558.9			58.1	14.5	81	calm	0	0			10 k		e.	0.181	4.6		Joaquin Gomez.
Chimo, Fort, Ungava	29.86	758.4	30.01	762.2	6	—14.4	100	s.	3	1.3			10 n		s.	0.25	6.3	light snow	L. M. Turner.
Kingston, Jamaica, W. I.			30.12	765.0	71.3	21.8	76	n.	1	0.4		0	0			0	0	clear	Robert Johnstone.
Paramaribo, S. A.	30.04	763.0	30.05	763.3	75	23.9	90	e.			3		8 ok	e.	e.	0.050	1.3	cloudy	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.44	747.8	30.00	762.1	75	23.9	89	s.			1		10 ks		s.	0	0	cloudy	Francisco J. Olsner's.
Rivas, Nicaragua, C. A.					75.5	24.2	84	ne.			1	6 ck		se.		0	0	fair	Earl Flint.
York Factory, B. A.	29.70	754.4	29.77	756.1	—31.0	—35.0		s.	10	4.5			10 s		s.	0.04	1.0	snowing	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.00	762.0	30.01	762.2	76.3	24.6	85	n.	4.9	2.2			6 k		n.	0	0		P. Fasiani.
Naos, Bay of Panama	29.95	760.8	30.02	762.5	72.0	22.2	95	n.			4					0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
							Miles p. hr.	Mtrs. p. sec		Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Assyrian Monarch, N. 42° 19′, W. 40° 49′†	29.61	752.1	48	8.9		nw.			9		7		nw.	o	o	high	nw.	fair.
S. S. Alpin, N. 17° 22′, W. 69° 02′			78	25.6		e.			2		3		e.	o	o	sm'h	e.	clear.
S. Armenia, N. 42° 30′, W 60° 05′ *	30.23	767.8	50	10.0	86	wsw.			4		10		wsw.	o	o	mod	wnw.	overcast.
S. S. Antonio Lopez, N 21° 19′, W. 75° 50′	30.16	766.1	75	23.9	81	ese.			4		5			o	o	mod.	ese.	fair.
S. S. America, Bremerhaven, Germany			50	10.0	79	sw.			3		3		sw.	o	o			clear.
S. S. Athos, Savanilla, U. S. C						ese.			5		o			o	o			clear.
S. S. Bothnia, N. 46° 34′, W. 37° 25′	28.77	730.7	46	7.8	100	wnw.			6		10		wnw.	10 h'r	10 h'r	long	wnw.	drizzling.
S. S. British Princess, N. 50° 07′, W. 19° 50′						sw.			5		9 s		wsw.	9 h'r	9 h'r	high	wsw.	cloudy.
S. S. Caracas, La Guayra, Venezuela *†	30.01	762.2	75	23.9	84	wsw.			1		o			o	o	mod	nne.	clear.
S. S. Celtic, N. 50° 04′, W. 20° 19′†	29.32	744.7			58	wsw.			6–7		4		wsw.	3 h'r	3 h'r	h'vy	w.	fair.
S. Dora, N. 35° 14′, W. 56° 34′ *†	30.46	773.7	63.5	17.5		w.			4		5		wnw.	o	o	light	nw.	cloudy.
S. S. Donau, N. 40° 34′, W. 71° 55′	30.20	767.1				ne.			3		10		e.	5 h'r	5 h'r	sm'h		raining.
S. S. Canada, (Fr) N. 47° 27′, W. 36° 04′	28.66	728.0	39.2	4		n.			7		10					h'vy		
S. S. England, off Kinsale, Ireland	29.61	752.1				ssw.			6		5		ssw.	o	o	h'vy	s.	fair.
S. S. France, N. 49° 09′, W. 14° 46′ *†	29.71	754.6				sw.			5		5		sw.			large	ssw.	fair.
Bk. Fred W. Carlon, N. 32° 06′, W. 77° 47′†	30.03	762.7				s.			7		8		s;nw.	1 h'r	1 h'r	h'vy	s.	cloudy.
S. S. Fulda, N. 49° 45′, W. 7° 10′	29.89	759.1	51.8	11.0	87	sse.			6		8		ssw.	o	o	hv'y	wsw.	cloudy.
Bk. Godeffroy, off Barnegat, N. J			38.3	3.5	100	ene.			5		10			22 h'r	22 h'r	mod.	var.	raining.
S. S. George S. Thomas, N. 24° 26′, W. 60° 55′						ene.			3		2		ene.	3 h'r	3 h'r	cross		clear.
S. S. Greece, N. 48° 13′, W. 23° 49′ †	29.34	745.2	50	10.0		ssw.			4		4		ssw.	3 h'r	3 h'r	mod.	cross	fine.
S. S. Iowa, N. 47° 41′, W. 32° 16′ †	28.84	732.5	46	7.8		ene.			4		10			6 h'r	6 h'r	sm'h	wsw.	heavy rain.
Schr. John Bracewell, Boston, Mass †	30.20	767.1	40	4.4		calm			0		10			o	o			cloudy.
S. S. Lord Clive, N. 47° 48′, W. 32° 30′						w.			6		10			6 h'r	6 h'r	cross		rainy.
S. S. Lampassas, N. 26° 59′, W. 88° 29′†	30.05	763.3	61	16.1		n.			6		3		n.	2 h'r	2 h'r	short	nw.	fair.
Bg. L. F. Munson, Matanzas, Cuba, W. I*†	30.14	765.5	76	24.4		s.			2		4		s	o	o			fair.
Bg. Lilian, N. 38° (05′?). W. 74° (00′?)			47	8.3		e.			6		10		ese.	7 h'r	7 h'r	r'gh	ese.	cloudy.
S. S. New York, N. 34° 43′, W. 75° 45′ *†	29.96	761.0	68?	20.0?		sw.			5		10		sw.			r'gh	se.	cloudy.
S. S. Nessmore, Liverpool, Eng			50	10.0	86	wsw.			5		3		w.	o	o			fair.
Schr. Norena, N. 37° 19′, W. 72° 55′ *†	30.05	763.3				e.			6		10		nnw.	20 h'r	20 h'r	light	ne.	rain & fog.
S. S. Orinoco, N. 34° 46′, W. 66° 11′ †	30.27	768.8	66	18.9		sw.			1		2			o	o	mod.	wsw.	clear.
Bk. Orpheus, N. 41° 23′, W. 53° 36′ *	30.18	766.6	52	11.1		wnw.			5		6 ks		ssw.	o	o	mod.	wnw.	fair.
S. S. Pavonia, N. 40° 39′, W. 60° 24′	30.30	769.6	55	12.8	74	sse.			2		9		s.	o	o	sm'h		cloudy.
S. S. Pennsylvania, N. 50° 54′, W. 16° 40′†	29.40	746.7	51	10.6	93	ssw.			5		5		sw.	2 h'r	2 h'r	h'vy	sw.	squally.
S. S. Rhaetia, N. 45° 21′ W. 37° 03′			49	9.4		wnw.			9		8		wnw.	rain	rain	h'vy	w.	squally.
S. S. Silesia, N. 45° 10′, W. 42° 01′	29.41	747.0				nw.			9–10		9		nw.	rain	rain	h'vy		covered.
Bg. Teneriffe, N. 32° 20′, W. 78° 15′						ssw.			5		9			o	o	6	con	cloudy.
S. S. Valencia, N. 37° 57′, W. 73° 22′ †	29.98	761.5	51	10.6	86	ene.			7		10		sse.	8 h'r	8 h'r	h'vy	e.	raining.
S. S. Westernland, N. 46° 50′, W. 30° 48′	28.87	733.3	49	9.4	78	wsw.			7		5		wsw.	5 h'r	5 h'r	high	wsw.	squally.
S. S. W. A. Scholten, N. 43° 00′, W. 48° 24′			39.2	4.0	91	w.			7		10		wsw.	o	o	7	wnw.	
S. S. Zeeland, N. 44° 53′, W. 33° 53′ *†	29.00	736.6	45	7.2		wnw			7				wnw.	12 h'r	12 h'r	high	nw.	
S. S. Australia, N. 41° 28′, W. 63° 44′†	30.28	769.1	44	6.7		wsw.			3		10		wsw.	o	o	sm'h	w.	dull.
S. S. Cienfuegos, N. 37° 45′, W. 74° 57′	29.99	761.7	54?	12.2?		ene.			5		10			4 h'r	4 h'r	h'vy	e.	raining.
S. S. Baltic, N. 45° 59′, W. 34° 41′						nw.			8		8		nw.	hail	hail	long	cross	fair.
S. S. Chalmette, N. 27° 05′, W 86° 31′ *†	30.11	764.8	70	21.1		se.			6		5		nw.	2 h'r	2 h's	sm'h	nw.	clear
S. S. Erin, London, Eng†	30.14	765.5	62	16.7		s.			3		o			o	c			clear.
S. S. Grecian, N. 47 15′, W. 36° 00′			41	5.0	100	nw.			7		10			3 h'r	3 h'r	high	nw.	raining.
Schr. Jas. Slater, N. 4° 05′, W. 46° 10′			78	25.6		nne.			6		10		ne.	o	o	h'vy	n.	
Bg. John Wesley, N. 26° 45′, W. 76° 28						s.			5		3		s.	o	o	short	se.	hazy.
S. S. Lessing, N. 49° 33′, W. 20° 06′	29.28	743.7	55	12.8		wsw.			6		6		sw.	o	o	r'gh	sw.	squally.
S. S. Ohio, (Am.) N. 39° 58′, W. 49° 30′ †	30.25	768.3	53.5	11.9	86	ne.			3		2		n.	o	o	h'vy	nw.	clear.
Schr. Viola Reppard, N. 35° 32′, W. 68° 30′			68	20.0		ssw.			6		5		sw.	4 h'r	4 h'r		var.	fair.
Bk. Western Chief, N. 50° 32′, E 0° 34′*†	30.08	764.0				s.			4	2 cs		s.				2	s	clear.
S. S. Werra, N. 42° 00′, W. 53° 39′*	30.25	768.3	44.6	7.0		w.			6		2?		wsw.	o	o	mod.	w.	covered.?
U. S. Navy Yard, Portsmouth, N. H *	30.16	766.1	37	2.8	81	calm	o	o			10		nw.	o	o			cloudy.
U. S. S. Galena, Port au Prince, Hayti, W.I*	30.07	763.8	75	23.9	60	e.			4		5		e.			sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	30.20	767.1	43	6.1		sse.			1		10					sm'h		cloudy.
U. S. S. Powhatan, Port Royal, S. C	29.98	761.5	50	10.0	100	nnw.			2		10							threatening
U. S. S. Quinnebaug, Leghorn, Italy	30.22	767.6	64	17.8	62	sw.			2		o					sm'h		clear.
U. S. S. Saratoga, N. 36° 44′, W. 61° 49′	30.31	769.9	64	17.8	100	sw.			6		2		sw.	light	light	sm'h		fair.
U. S. S. Tennessee, Sacrificios Id, Gulf of Mexico	30.17	766.3	72	22.2	80	nnw.			6		8		nnw.			long	nnw.	cloudy.
U. S. S Yantic, Nassau, Bahama Ids, W.I	30.17	766.3	73	22.8	90	ese.			2		2							clear.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.37	771.4	57	13.9	69	ene.			2		2	ene.						d. clouds.
H. M. S. Alecto, N. 3° 46′, E. 8° 47′	29.94	760.5	84	28.9		calm			0		10							showery.
H. M. Dockyard, Bermuda, Atlantic	30.32	770.1	67	19.4	64	s.			3		6	sse.						d. clouds.
H. M. S. Himalaya, N 37° 30′, W. 9° 20′	30.20	767.1	59	15.0	82	e.			3		6	ene.				1	ene.	d. clouds.
H. M. S. Minotaur, N. 37° 15′, E. 26° 00′	30.35	770 9	47.5	8.6	60	n.			5		3							d. clouds.
H. M. S. Myrmidon, N. 33° 49′, E. 20° 01′	30.24	768.1	62.5	16.9	66	ene.			4		1					3	ene.	blue sky.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids			77.0	25.0	72	ne.			4		8		sw.	o	o			d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.90	759.5	86.2	30.1	86	sse.			2		7		se.	o	o	2	se.	d. clouds
S. S. British Crown, N. 40° 46′, W. 49° 50′†	30.21	767.3	41	5.0		nw.			6		5?		nw.	o	o	mod.	nw.	clear.?
S. S. Circassian, N. 43° 00′, W. 42° 40′			42	5.6	83	wnw.			8		9		wnw.			8	wnw.	showery.
S. S. Polynesian, N. 43° 17′, W. 65° 38′	30.22	767.6	42	5.6		nw.			1		7		sw.	o	o	sm'h	sw.	cloudy.
S. S. Scandinavian, Portland, Maine	30.20	767.1	40	4.4		nw.			1		10		wnw.	o	o			overcast.
S. S. Ailsa, N. 31° 45′, W. 74° 02′			72	22.2	91	s.			3		2		s.			mod.	s.	fair.
S. S. Dorian, N. 39° 06′, E. 9° 50′	30.27	768.8	58	14.4		e.			3		3			o	o	sm'h		fine.
S. S. Furnessia, New York, N. Y *†	30.21	767.3	51?	10.6?		sse.			6		10		sse.	2 h'r	2 h'r	sll't		dense mist.
S. S. Galatia, Marseille, France *†	30.29	769.4	74?	23.3?		nw.			1		o			o	o			clear.
S. S. Carroll, N. 42° 28′, W. 70° 04′ *†	30.28	769.1	42	5.6		w.			3		10		w.	o	o	sm'h		cloudy
S. S. California, N. 42° 10′, W. 42° 50′*†	29.71	754.6	53.2	11.7		wnw.			10		8		wnw.	hail	hail	h'vy	wnw.	cloudy.
S. S. Labrador, N. 40° 55′, W. 60° 47′ *†	30.32	770.0	52.7	11.5		se.			2		3		s.	o	o	sm'h	ne.	clear.
S. S. Bohemia, N. 48° 43′, W. 16° 04′						sw.			6–8		8		sw.	o	o	var.	sw.	cloudy.
S. S. Virginian, N. 42° 31′, W. 42° 15′			48	8.9		nnw.			3				nw.	o	o	mod.	nw.	
S. S. Teniers, N. 27° 20′, W. 180 24′	30.06	763.5	68.1	20.1	67	sse.			2	3 c;ck	o			o	o	long	wnw.	blue sky.
S. S. Archimede, (It.) New York, N. Y†	30.23	767.8				ne.			1		8		ne.	2 h'r	2 h'r			foggy.
S. S. Picqua, N. 36° 34′, W. 7° 48′			59	15.0	94	se.			6					o	o		se.	clear.
S. S City of Merida, N. 21° 40′, W. 89° 00′			77.0	25.0		w.			2		8		w.	1 h'r	1 h'r	light	w.	cloudy.
S. S. Canada, (Br) N. 41° 49′, W. 44° 17′			48	8.9		nw.			8		9		nw.	3 h'r	3 h'r	h'vy	nw.	cloudy.
S. S. Helvetia, N. 46° 45′, W. 29° 00′			48	8.9	92	s.			5		10			3 h'r	3 h'r	r'gh	cross	cloudy.
S. S. Neckar, N. 49° 30′, W 27° 40′	29.06	738.1	45.5	7.5	100	se.			4–5		6		se.	14 h'r	14 h'r	r'gh	var.	rainy.
S. S. Rhein, N. 45° 27′, W. 33° 40′						nw.			9		10		n.	o	o	high	nw.	squally.
S. S. Muriel, N. 38° 10′, W. 72° 58′						e.			6		10			3 h'r	3 h'r	r'gh	e.	raining.
S. S. Pennland, N. 43° 00′, W. 38° 00′			45	7.2	92	nnw.			8		8		nnw.	5 h'r	5 h'r	high	nnw.	squally.
S. S Waesland, N. 41° 33′, W. 67° 12′	30.33	770.4	46	7.8		calm			0		10		e.	o	o	sm'h		cloudy.
S. S. Amsterdam, New York, N. Y.						s.			6		5		sw.	o	o			fair.
S. S. P. Caland, N. 40° 05′, W. 63° 50′			48.9	9.4	89	ene.			4		10		ne.	2 h'r	2 h'r			
S. S. Zaandam, N. 49° 19′, W. 22° 50′			51.8	11.0	82	wsw.			7		2		wsw.	4 h'r	4 h'r	hv'y	wsw.	rainy.
S. S. Maasdam, N. 42° 58′, W. 32° 47′*	29.17	740.9	53.5	11.9	90	wnw.			10		8		n.	3½ hr	3½ hr	9	nw.	cloudy.
S. S. State of Nebraska, N. 48° 58′, W. 33° 28′			48	8.9		ene.			5		8		ne.	o	o	con.	w.	cloudy.
S. S. State of Nevada, Glasgow, Scotland*†	29.75	755.6	54	12.2		sse.			4		5		s.	9 h'r	9 h'r			fine.
S. S. Saxon. Boston, Mass *†	30.19	766.8	41	5.0		se.			1		10			o	o			threatening.
S. S. Republic, N. 41° 12′, W. 61° 22′			53	11.7	80	nw.			1		10			o	o	sll't	nw.	overcast.
S. S. Marengo, N. 47° 36′, W. 19° 15′†	29.28	743.7	52	11.1		wsw.			5		3		sw.	4 h'r	4 h'r	r'gh	sw.	clear.
Schr. Arthur Burton, N. 25° 37′, W. 66° 50′						ese.			2		1		ese.	o	o	chop	ese.	fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bg. Abbie Clifford, N. 38° 05′, W. 63° 38′	.....	.....	67	19.4	.....	ssw.	.....	.....	6	.....	9	.....	sw.	.....	.....	light	e.sw.	cloudy.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.03	762.7	79	26.1	.....	e.	.....	.....	5	.....	3	.....	ene.	0	0	.....	.....	clear.
S. Annie, N. 21° 58′, W. 53° 45′*	30.16	766.1	.....	.....	.....	ene.	.....	.....	6	.....	7	.....	ene.	3 h'r	3 h'r	r'gh	nne.	light rain.
Schr. Abbie H. Gheen, Springwood Mills, S. C*†	30.00	762.0	49	9.4	.....	nw.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
Bk. Alpha, N. 27° 20′, W. 20° 59′ *†	30.06	763.5	66	18.9	.....	wsw.	.....	.....	3	.....	2	.....	w.	0	0	long	n.	clear.
Bk. Achille F, N. 9° 39′, W. 38° 45′*†	30.04	763.0	77.5	25.3	77	ene.	.....	.....	5	.....	3	.....	nne.	0	0	mod.	var.	
Bk. Bore, N. 35° 14′, W. 17° 31′ *†	29.91	759.7	66	18.9	.....	wnw.	.....	.....	2	.....	4	.....	ssw.	1 h'r	1 h'r	long	nw.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	79	26.1	.....	e.	.....	.....	4	.....	10	.....	e.	8 h'r	8 h'r	.....	.....	cloudy.
Bk. Cato, Oporto, Portugal†	30.10	764.5	56	13.3	83	ssw.	.....	.....	1	.....	.....	.....	.....	0	0	.....	.....	clear.
S. David Stewart, Orchilla Island, Venezuela	.....	.....	79	26.1	.....	ene	.....	.....	3	.....	5	.....	ene.	0	0	mod.	n.	
Schr. Edith R. Seward, N. 11° 50,′ W. 66° 08†′	30.11	764.8	78	25.6	.....	e.	.....	.....	4	.....	6	.....	e	0	0	.....	.....	cloudy.
Bk. Esmeralda, N. 58° 21′, E. 9° 14′	30.16	766.1	.....	.....	.....	s.	.....	.....	4	.....	10	.....	se.	2 h'r	2 h'r	mod.	ese.	clearing.
U. S. Fish. Com. S. S. Fish Hawk, Hampton Road, Va†.	29.93	760.2	42	5.6	.....	nw.	.....	.....	4	.....	1?	.....	nw.	0.05	1.3	.....	.....	rain & hail.
S. Frank N Thayer, N. 7° 06′, W. 28° 49′ *†	30.04	763.0	78	25.6	73	nne.	.....	.....	4	.....	2 ks	s.	nne.	0	0	light	.....	hazy.
Bg. George, Arroyo, Porto Rico, W.I *†	30.17	766.3	.....	.....	.....	ene.	.....	.....	2	.....	10	.....	ese.	0	0	mod.	e.	cloudy.
S Grecian, N. 0° 10′, W. 35° 25′ †	30.06	763.5	78	25.6	91	ene.	.....	.....	4	.....	10	.....	.....	1 h'r	1 h'r	mod.	n.	clearing.
Bk. Galeon, N. 32° 19′, W. 15° 25′	.....	.....	65	18.3	.....	s.	.....	.....	3	.....	8	.....	s.	0	0	.....	nnw.	overcast.
S. Gatherer, N. 10° 39′, W. 32° 50′ †	30.02	762.5	75	23.9	81	ene.	.....	.....	4	.....	8	.....	ene.	0	0	.....	.....	cloudy.
Bk. Heinrich & Tonio, N. 40° 38′, W. 21° 37′*†	29.76	755.9	59	15.0	59	wsw.	.....	.....	4	.....	2	.....	wsw.	0	0	high	nw.	clear.
Bk. Hattie G. McFarland, Aspinwall, U.S.C	.....	.....	77	25.0	.....	s.	.....	.....	1	.....	5	.....	e	0	0	.....	.....	
S. Henry Failing N. 1° 42′, W. 33° 55′	.....	.....	85	29.4	79	nne.	.....	.....	3	.....	8	.....	nne.	8 h'r	8 h'r	mod.	ne.	fair.
Schr. Jennie N. Huddell, Wilmington N. C†	29.97	761.2	51	10.6	.....	n.	.....	.....	2	.....	10	.....	.....	3 h'r	3 h'r	.....	.....	raining.
Bg. John Welsh, jr, Barbadoes, W. I	.....	.....	.....	.....	.....	ene.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.10	764.5	.....	.....	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Orinoco river, Venezuela	.....	.....	74	23.3	.....	e.	.....	.....	1	.....	7	.....	ne.	1 h'r	1 h'r	.....	.....	cloudy.
Bg. L. & W. Armstrong, Pointe a Pitre, Guadeloupe	30.08	764.0	.....	.....	.....	e.	.....	.....	1	.....	2	.....	e.	½ h'r	½ h'r	.....	.....	
Lighthouse Tender Laurel, off Jupiter Inlet, Fla †	30.09	764.3	76	24.4	.....	s.	.....	.....	4	.....	4	.....	s.	0	0	.....	.....	fair.
S. S. Madrid, N. 41° 50′. E. 4° 45′†	30.33	770.4	59	15.0	82	calm	.....	.....	0	.....	2	.....	ssw.	0	0	sm'h	.....	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W.I*†	30.09	764.3	.....	.....	.....	.....	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Nellie T. Morse, Pensacola, Fla†	30.14	765.5	61?	16.1?	.....	nnw.	.....	.....	3	.....	10	.....	nw.	16 h'r	16 h'r	.....	.....	clearing.
Bk. Rosina, N. 37° 53′, W. 45° 22′	30.06	763.5	61	16.1	.....	n.	.....	.....	7	.....	6	.....	n.	0	0	large	n.	gloomy.
Bk. Sunbeam, Lisbon, Portugal†	30.11	764 8	62	16.7	77	s.	.....	.....	5	.....	1	.....	se.	0	0	.....	.....	clear.
S. Stephen D. Horton, N. 51° 05′. E. 1° 25′†	30.16	766.1	.....	.....	.....	s.	.....	.....	4	.....	6	.....	ssw.	0	0	sm'h	.....	hazy.
S. Tsemogora, N. 39° 50′, W. 32° 50′*†	29.45	748.0	.....	.....	.....	sw.	.....	.....	7	.....	6	.....	sw.	0	0	h'vy	var.	smoky.
Bk. Tros, N. 31° 55′, W. 25° 49′ *†	30.07	763.8	61	16.1	.....	nw.	.....	.....	4	.....	2	.....	nw.	0	0	long	nw.	fair.
S. Vincenzo Accame, N. 38° 20′, E. 5° 44′ †	30.25	768.3	62.6	17	.....	ese.	.....	.....	2	.....	2	.....	e.	0	0	mod.	se.	fair.
District No. 2—South Atlantic.																		
H. M. S. Amethyst, tanley, Falkland Islands	29.44	747.8	47	8.3	77	w.	.....	.....	1	.....	2	.....	nw.	.....	.....	.....	.....	blue sky.
H. M. S. Boadicea, Landano, Guinea	29.90	759.4	79	26.1	86	wnw.	.....	.....	2	.....	2	.....	wnw.	.....	.....	1	nnw.	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	29.90	759.4	71	21.7	71	calm	.....	.....	0	.....	3	.....	calm	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	29.83	757.7	80	26.7	70	nnw.	.....	.....	2	.....	3	.....	calm	.....	.....	.....	.....	blue sky.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.87	758.6	69.8	21.0	82	wnw.	.....	.....	4	.....	4	.....	.....	0	0	2	.....	d. clouds.
S. S. Archimedes, (Br) S. 5° 27′, W. 31° 46′	29.89	759.2	.....	.....	.....	ese.	.....	.....	3	.....	3	.....	se.	½ h'r	½ h'r	light	se.	fine.
S. S. Hevelius, Rio de Janiero, Brazil*†	30.20	767.1	82	27.8	.....	sw.	.....	.....	4	.....	8	.....	ne.	2 h'r	2 h'r	sm'h	.....	cloudy.
Bk. Horace Scudder, S. 3° 25′, E 10° 19′ *†	30.05	763.3	83	28.3	.....	sse.	.....	.....	2	.....	5	.....	sw.	1 h'r	1 h'r	.....	.....	fair.
S. Ismir, S. 26° 30′, W. 27° 15′ *†	29.90	759.4	.....	.....	.....	ssw.	.....	.....	3	.....	3	.....	ssw.	rain	rain	.....	ssw.	rainy.
Bkt. Levanter, S. 34° 25′, W. 47° 38′*	30.01	762.2	75	23.9	.....	n.	.....	.....	4	.....	4	.....	nnw.	0	0	long	ne.	fair.
S. S. Mendoza, S. 18° 21′. W. 34° 39′ †	30.10	764.5	.....	.....	.....	ne.	.....	.....	1	.....	.....	.....	ne.	0	0	sm'h	ne.	clear.
U. S. S. Nipsic, Montevideo, Uruguay *	29.81	757.2	80	26.7	74	nw.	.....	.....	2	.....	2	.....	.....	.....	.....	sm'h	.....	clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.94	760.5	43.5	6.4	63	calm	.....	.....	0	.....	2	.....	w.	0	0	.....	.....	clear.
U. S. S. Essex, N. 26° 21′, E. 121° 42′	30.05	763.3	61	16.1	88	e.	.....	.....	2	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Juniata, Roze Island, Corea	30.14	765.5	41	5.0	82	w.	.....	.....	1	.....	2	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, Woosung, China	30.01	762.2	52	11.1	100	ese.	.....	.....	2	.....	5	.....	calm	.....	.....	.....	.....	fair.
U. S. S. Ranger, Estero Real, Nicaragua	30.03	762.7	75	23.9	81	calm	.....	.....	0	.....	2	.....	.....	0	0	.....	.....	clear.
H.M.S. Audacious, Hong Kong, China	30.02	762.5	65	18.3	94	ene.	.....	.....	2	.....	5	ene.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Cleopatra, N. 22° 28′, E. 115° 17′	30.04	763.0	64	17.8	83	ne.	.....	.....	2	.....	8	e.	.....	.....	.....	3	.....	d. clouds
H. M. S. Champion, Side Saddle Island, China	.....	.....	63?	17.2?	72	se.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Flying Fish, N. 25° 25′. E. 119° 43′	30.00	762.0	57.2	14.0	86	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, N. 3° 11′, E. 100° 36′	29.87	758.7	83.5	28.6	79	sse.	.....	.....	1	.....	6	.....	.....	.....	.....	.....	.....	misty.
H. P. M. S. Tamega, Macao, China	30.04	762.9	68.0	20	80	calm	.....	.....	0	.....	1?	.....	.....	3 h'r	3 h'r	.....	.....	overcast.?
U. S. S. Monocacy, Canton, China	30.00	762.0	67	19.4	89	calm	.....	.....	0	.....	10	.....	calm	.....	.....	.....	.....	misty.
S. S. Newbern, N 23° 02′, W. 108° 05′	.....	.....	70	21.1	75	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	wnw.	clear.
S. S. City of Chester, Hookton, Cal†	29.67	753.6	56	13.3	75	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	
S. S. Oregon, San Francisco, Cal †	29.66	753.4	58	14.4	70	se.	.....	.....	5	.....	10	.....	s.	.....	.....	.....	.....	raining.
S. S. Alameda, San Francisco, Cal †	29.67	753.6	55	12.8	76	e.	.....	.....	6	.....	10	.....	.....	24 h'r	24 h'r	.....	.....	overcast.
S. S. Ancon, San Francisco, Cal †	29.67	753.6	55	12.8	68	se.	.....	.....	3	.....	9	.....	se.	1 h'r	1 h'r	.....	.....	cloudy.
S. S. State of California, N. 38° 42′, W. 124° —†	29.56	750.8	53	11.7	93	ese.	.....	.....	0	.....	10	.....	s.	.....	.....	r'gh	s.	squally.
S. S. City of Pekin, N. 34° 40′, E. 141° 35′ †	29.93	760.2	50	10.0	72	w.	.....	.....	4	.....	5	.....	w.	0	0	sm'h	.....	fair.
S. S. City of Rio de Janeiro, N. 21° 30′, W. 157° 52′†	30.04	763.0	73	22.8	.....	ne.	.....	.....	2	.....	.....	.....	sw.	.....	.....	mod	nw.	cloudy.
S. S. City of Tokio, N. 34° 05′, E. 151° 24′ †	30.11	764.8	57	13.9	69	s.	.....	.....	4	.....	8	.....	s.	.....	.....	mod.	ssw.	light rain.
S. S. Colima, N. 19° 07′, W. 104° 45′†	30.01	762.2	72	22.2	95	ese.	.....	.....	2	.....	4	.....	nw.	0	0	sm'h	nw.	fair.
S. S. Granada, San Jose, Guatemala†	30.02	702.5	72	22.2	90	calm	.....	.....	0	.....	0	.....	.....	0	0	mod.	.....	clear.
S. S. San Jose, N. 8° 36′, W. 84° 13′	.....	.....	81	27.2	91	wnw.	.....	.....	2	.....	2	.....	wnw.	0	0	small	ssw.	clear.
S. S. Zealandia, N. 9° 24′. W. 162° 29′	29.84	757.9	79	26.1	82	e.	.....	.....	5	.....	8	.....	ne.	.....	.....	h'vy	ne.	cloudy.
S. S. Benalder, Nagasaki, Japan	30.20	767.1	56	13.3	63	se.	.....	.....	3	.....	5	.....	sw.	0	0	sm'h	.....	fair.
S. J. W. Gildemeister, N. 7° 51′, E 116° 21′	29.91	759.7	82.4	28	85	ne.	.....	.....	4	.....	2 8	.....	ne.	0	0	2–3	ne.	d. clouds.
S. S. Oceanic, N. 34° 46′, W. 150° 03′	30.09	764.3	58	14.4	88	w.	.....	.....	4–5	.....	7	.....	w.	light	light	4	w.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Pinta, S. 50° 59′, W. 74° 11′	29.31	744.5	44	6.7	84	nnw.	.....	.....	2	.....	10	.....	nw.	.....	.....	.....	.....	threatening.
U. S. S. Wachusetts, Valparaiso, Chili	29.99	761.7	59	15.0	94	se.	.....	.....	1	.....	5	.....	calm	.....	.....	long	ne.	fair.
H. M. S. Espeigle, S. 36° 30′, E. 175° 48′	29.94	760.5	64	17.8	83	se.	.....	.....	4	.....	8	n.	.....	.....	.....	1	se.	d. clouds.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	29.87	758.7	66.3	19.1	81	ese.	.....	.....	2	.....	7	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Mutine, S. 17° 32′, W. 76° 17′	30.02	762.5	74	23.3	.....	sse.	.....	.....	3	.....	5	.....	.....	.....	.....	2	sse.	d. clouds.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.96	761.0	73	22.8	90	s.	.....	.....	2	.....	5	s.	.....	.....	.....	.....	.....	d. clouds.
S. S. City of Sydney, S. 33° 49′, E. 155° 48′ *†	30.09	764.3	67	19.4	64	calm	.....	.....	0	.....	1 k	.....	se.	.....	.....	light	se.	clear.
S. S. Port Phillip, S. 12° 53′, E. 154° 19′	29.97	761.2	86	30.0	84	ene.	.....	.....	2	.....	.....	.....	.....	.....	.....	sm'h	e.	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 13° 23′, E. 47° 31′	30.01	762.2	83	28.3	75	e.	.....	.....	3	.....	0	.....	.....	.....	.....	sm'h	e.	clear.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.86	758.4	86	30.0	68	n.	.....	.....	3	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 28° 15′, E. 78° 32′*	30.01	762.2	.....	.....	.....	nw.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	fine.

International Chart I. March 14, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 15, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	30.13	765.2	64.8	18.2	78	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	30.22	767.6	62.2	16.8	53	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	Thève.
La Calle	.....	.....	30.20	767.0	59.4	15.2	98	e.	.....	.....	5	.....	3	.....	.....	0	0	pretty fair	Fonfrède.
Tunis	.....	.....	30.24	768.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Gerlville	.....	.....	30.18	766.6	53.6	12.0	56	sw.	.....	.....	8	.....	2	.....	.....	0	0	fair	Forfert.
Laghouat	.....	.....	30.19	766.9	62.2	16.8	.....	ne.	.....	.....	2	.....	5	.....	.....	0	0	cloudy	Abraham.
Biskra	.....	.....	30.14	765.6	64.4	18.0	94	e.	.....	.....	2	.....	4	.....	.....	0	0	cloudy	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.34	770.6	57.8	14.3	67	s.	15	6.7	.....	.....	1 k	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.04	763.0	30.23	767.8	47	8.3	71	s.	15	6.7	.....	.....	1	.....	ssw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.21	767.3	30.30	769.6	54.6	12.6	62	sse.	16	7.2	.....	.....	9	.....	.....	0.18	4.6	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.82	757.5	30.37	771.5	58.1	14.5	37	se.	.....	.....	2	.....	2	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.69	754.0	30.49	774.4	39.6	4.2	65	e	11.9	5.3	.....	.....	9	.. ...	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.55	750.6	30.48	774 1	37.0	2.8	69	n	.....	.....	2	.....	10 s	.....	s.	0	0	.....	Julius Mikolik.
Graiz	29.11	739.5	30.38	771.7	53.8	12.1	58	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.87	733.4	30.36	771.1	40.3	4.6	73	se.	... .	.....	1	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.96	735.6	30.32	770.1	52.2	11.2	66	ene.	.....	.....	3	.....	0	.....	.....	0	0	clear	The Staff.
Lemberg	29.47	748.4	30.51	775.0	33.4	0.8	83	e.	.....	.....	1	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	30.22	767.7	30.34	770.6	56.3	13.5	71	nw	.....	.....	4	.....	0	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.87	758.6	30.35	770.8	46.6	8.1	44	e.	.....	.....	4	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	30.06	763.6	30.35	770.9	50.9	10.5	46	ne.	.....	.....	3	.....	0	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.27	768 8	30.37	771.3	60.1	15.6	64	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.69	754.0	30.42	772.6	52.5	11.4	55	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.81	731.7	30.18	766.5	60.4	15.8	67	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Brussels	29.99	761.7	30.19	766.8	62.2	16.8	66	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....
Furnes	30.15	765.8	30.17	766.3	63.5	17.5	59	se.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....
Maeseyck	30.09	764.3	30.22	767.5	71.2	21.8	62	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.82	757.4	29.92	760.0	47.0	8.3	88	s.	9	4.0	.....	.....	10	. . .	.....	0	0	misty	W. Boswell.
Hidston, Liverpool Obs'y	.....	.....	29.98	761.5	51.6	10.9	84	se.	17	7 6	.....	.....	7	.....	.....	.....	.....	d. clouds	John Harnup.
Bolton, Sharpies	29.47	748.5	30.01	762.2	50.1	13.4	60	sse.	6	2.7	.....	.....	9	.....	.....	.....	.....	misty	Thomas Mackereth.
Bradford, Yorkshire	29.62	752.3	30.02	762.5	51.8	11.0	52	s.	.....	.....	1	.....	5	.....	.....	0	0	d. clouds	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.01	762.2	30.04	763.0	75	23.9	86	ne.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Oardington	.....	.....	.....	.....	62.0	16.7	61	s.	.....	.....	0.6	.....	5	.....	.....	.....	.....	d. clouds	John McLaren.
Ohatham, School M. E	29.95	760.7	30.12	765.0	65.0	18.3	64	s.	.....	.....	3	.....	0	.....	.....	.....	.....	misty	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.73	755.1	29.90	759.4	52.3	11.3	86	sse.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.47	697 7	29.78	756.4	89.0	31.7	80	ne.	.....	.....	1	... .	0	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.61	752.1	29.65	753.1	52	11.1	79	s.	.....	.....	3	.....	6	.....	.....	0.02	0.5	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.98	761.5	30.08	764.0	59.5	15.3	94	e.	.....	.....	4	....	8	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.92	760.0	30.09	764 3	64.0	17.8	60	sse.	.....	.....	3	.....	2	.....	.. ..	.....	.....	blue sky	The Staff.
Guernsey	29.72	754.9	30.02	762.5	56.1	13.4	75	sse.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	30.06	763.5	30.10	764.5	62.4	16.9	64	s.	15	6.7	.....	.....	1	.....	.....	.....	.....	blue sky	The Staff.
Leicester, Museum	29.80	756.9	30.05	763.3	61.0	16.1	66	s.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	30.13	765.3	30.20	767.1	60.0	15.6	69	e.	.....	.....	2	.....	0	.....	.....	0	0	d clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.10	764.5	30.15	765.8	69.5	20.8	95	nw.	.....	.....	3	.....	6	.....	.....	blank	blank	overcast	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.83	757.7	30.00	763.5	61.0	16.1	62	sse	.....	.....	4	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.90	759.4	29.98	761.5	57.1	13.9	78	se.	.....	.....	2	.....	0	.....	.....	.....	.....	blue sky	John Merrifield.
Sandwick Manse, Orkneys	29.71	754.6	29.81	757.2	51.1	10.6	79	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.22	767.6	30.29	769.4	44.4	6.9	66	nne.	.....	.....	2	.....	9	.....	.....	.....	.....	d clouds	W. H. Lyne.
Sheffield	29.79	756.7	30.06	763.5	61.4	16.3	43	sw.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky	W. F. Cooper.
Silloth Rectory	29.92	760.0	29.95	760.7	55.0	12.8	70	sw.	.....	.....	4	.....	10	.....	.....	0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.03	762.7	56.2	13.4	60	s.	17	7.6	.....	.....	7	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	03.3	17.4	70	s.	.....	.....	2.5	.....	2	.....	.....	.....	.....	blue sky	Rev. G. H. Griffiths, F.M.S
Valencia, Observatory	29.67	753 6	29.69	754.1	52.6	11.4	86	s.	36	16.1	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.87	758.7	30.26	768.6	59.4	15.2	68	ne.	10.6	4.7	.....	0	8 n	.....	ne.	0	0	cloudy	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.83	757.7	29.95	760.7	64.3	17.9	99	ese.	16	7.2	.....	.....	10 k	.....	.....	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	.....	.....	.....	.....	19.0	— 7.2	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.95	760.7	29.99	761.7	24	— 4.4	75	ne.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	30.01	762.2	30.07	763.8	20	— 6.7	87	ne.	5	2.2	.....	.....	10 s	.....	ne.	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.79	756.7	30.00	762.0	18.0	— 7.8	77	ne.	.....	.....	1	10 cs	0	.....	.....	0	0	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	30.05	763.3	30.11	764.8	7.0	—13.9	.....	nw.	.....	.....	1	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Fauner Point, Quebec*	30.10	764.5	30.12	765.0	— 4	—20.0	100	calm	0	0	.....	5 cs	0	.....	.....	0	0	clear	J. McWilliams
Fort Garry, Manitoba*	29.38	746.2	30.35	770.9	—10	—26.7	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	29.94	760.5	30.01	762.2	24.0	— 4 4	74	ne.	9	4.0	.....	.....	10 s	.....	.....	0	0	overcast	Dr. Thos. Harrison.
Grand Manan, N. B	29.83	757.7	29.89	759.2	35	1.7	72	ne.	20	8.9	.....	.....	10 n	.....	.....	.....	.....	light snow	J. Chipman Seeley
Granton, Ontario	29.00	736.6	30.20	767.1	14.5	— 9.7	96	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.77	756.1	29.90	759.4	32	0.0	100	ne.	7	3.1	.....	.....	10 n	.....	.....	0.110	2.8	light snow	A. Allison.
Hamilton, Ontario	29.08	753.9	30.11	764.8	25.2	— 3.8	87	sw.	.....	.....	1	0	0	.....	.....	0.200	5.1	blue sky	Geo. Dickson, B. A.
Kingston, Ontario*	29.71	754.6	30.07	763.5	22	— 5.6	84	n.	5	2.2	.....	10 k	0	n.	.....	0	0	fair	A. P. Knight, M. A.
Little Glace Bay, N. S	29.82	757.4	29.87	758.7	29.0	— 1.7	91	ne.	2	0 9	.....	.....	10 n	.....	.....	0	0	overcast	C. H. Rigby.
London, Ontario	29.24	742 7	30.22	767.6	10.8	— 8.4	81	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.33	694.2	29.70	754.4	23	— 5.0	90	s.	30	13.4	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	28.10	713.7	30.25	768.3	— 1	—18.3	100	s.	5	2.2	.....	0	hz.	.....	.....	0	0	hazy	Rev. J. M. Wellwood.
Montreal, Quebec*	29.81	757.2	30.03	762.7	19	— 7.2	84	ne.	10	4.5	.....	8 cs	2 s	W.	.....	0	0	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.83	757.7	30.07	763.8	13.1	—10.5	86	nw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario	29.42	747.3	30.20	767.1	1	—17.2	79	s.	5	2.2	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.34	745.2	30.13	765.3	20.4	— 6.4	83	nw.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.43	747.5	30.20	767.1	6	—14.4	76	calm	0	0	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.42	747.3	30.16	766.1	20	— 6.7	85	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.49	749.0	30.19	766.8	19	— 7.2	90	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Capt. Asne, R. N.
Rockville, Ontario	29.66	753 4	30.04	763.2	17	— 8.3	91	n.	16	7.2	.....	10 ck	0	s.	.....	0	0	fair	W. H. McIntyre.
St. Andrews, N. B	29.64	752.8	30.16	766.1	— 3	—19.4	83	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	.....
St. John, N. B	29.84	757.9	29.89	759.2	30	— 1.1	91	ne.	3	1.3	.....	.....	10 n	.....	.....	inap.	inap.	light snow.	.....
St. Pierre, N. F	29.76	755.9	29.92	760.0	28.0	— 2.2	94	ne.	12	5.4	.....	.....	10 n	.....	.....	.....	.....	snowing	G. Hutchinson.
Saugeen, Ontario	.....	.....	30.00	762.0	30 2	— 1.0	.....	s.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Stratford, Ontario	29.41	747 0	30.19	766.8	10	—12.2	96	calm	0	0	.....	0	0	.....	.....	0	0	clear	.....
	28.80	731.5	30.19	766.8	14.1	— 9.9	78	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	29.95	760.7	30.01	762.2	28	— 2.2	88	calm	0	0	.....	10 cs	0	.....	.....	0	0	fair	T.C.Hill, C.E.
Toronto, Ontario*	29.75	755.6	30.16	766.1	17	— 8.3	83	n.	10	4.5	.....	0	0	.....	.....	0	0	clear	**Magnetic Observatory.**
Woodstock, Ontario	29.06	738.1	30.21	767.3	16.2	— 8.8	57	w.	4	1.8	.....	0	0	.....	.....	0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.72	754.9	29.79	756.7	33	0.6	92	ne.	8	3.6	.....	.....	10 s	.....	ne.	0.11	2.8	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.90	759.4	29.93	760.2	70.0	21.1	90	sw.	.....	.....	.....	0	5 k	.....	.....	0	0	fine	I. Garfelt.
Cape Town, The Castle	29.84	757 9	.....	.....	69.0	20.6	73	se.	.....	.....	.....	0	5 k	.....	.....	0	0	.....	**Capt.R.Gardner Warton**
Springbok Fontein	27.91	708.9	.....	.....	77	25.0	56	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	29.57	751.0	29.67	753.7	48.2	9.0	89	e.	.....	.....	1	.....	3 n	.....	sw.	0	0	.....	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	57.9	14.4	84	s.	.....	.....	1	0	.....	.....	.....	0	0	clear	**Leon Herrera.**
Valparaiso	29.84	757.8	29.98	761 4	59.9	15.5	86	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	cloudy	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.80	756.9	29.82	757.5	47.1	8.4	60	sse.	2.9	1.3	.....	.....	8	.....	.....	0	0	almostcov'd	M.Marc Dechevrens, S. J.
DANISH.																			
Copenhagen	30.29	769.3	30.34	770.5	43.9	6.6	87	s.	16	7	.....	.....	6	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	30.22	767.7	30.24	768.2	49.1	9.5	82	s.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	Overloerer Lauridsen.
Godthaab, Greenland	29.65	753.0	29.69	754.1	6.4	—14.2	100	ene.	.....	.....	4	.....	5	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Gree. land	29.33	744.9	29.35	745.4	11.8	—11.2	.....	calm	.....	.....	0	.....	1	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.14	740.1	29.18	741.2	35.2	1.8	85	se.	.....	.....	4	.....	8	.....	.....	.....	.....	.....	A. O. Thorlacius.
Thorshavn	29.58	751.3	29.60	751.9	47.5	8.6	78	sw.	18	8.	.....	.....	7	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	29.90	759.5	29.95	760.7	—14.6	—25.9	.....	calm	.....	.....	0	.....	8	.....	.....	.....	.....	snowing	
Vestervig	30.11	764.8	30.20	767.1	49.6	9.8	83	ssw.	.....	.....	2	.....	5	.....	.....	.....	.....	.....	Loerer Oesterboi.
EGYPTIAN.																			
Cairo	29.98	761.5	.....	.....	63.0	17.2	.....	ne.	5.1	2.3	.....	.....	0	.....	.....	0	0	.....	**Albert Ismailun, Dir.**
FRENCH.																			
Agen, Normal School	29.53	750.1	30.18	766 6	64.4	18.	56	sse.	.....	.....	2	.....	0	.....	.....	0	0	clear	M. Labroue, Director.
Alençon, Normal School	29.54	750.4	30.10	764.4	57.6	14.2	80	s.	.....	.....	1	.....	2 s	.....	n.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.85	758.1	30.11	764.7	64.9	18.3	64	ese.	.....	.....	1	.....	0	.....	.....	0	0	clear	**M. Ungerer, Director.**
Avignon, Normal School	30.24	768.0	30.32	770 0	66.6	19.2	42	wnw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.65	753.1	30.20	767.1	63.9	17.7	42	ssw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Saillard, Director.
Beauvais, Normal School	29.91	759.6	30.17	766.4	59.7	15.4	64	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Frère Eugène Marie.
Besançon, Normal School	29.30	744.2	30.19	766.8	67.6	19.8	45	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Gobin, Director.
Bordeaux, Observatory	29.84	757.8	30.10	764.5	61.5	16.4	66	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Rayet, Director.
Bourges, Normal School	29.62	752.4	30.16	766.0	69.1	20.6	36	e.	.....	.....	2	.....	0	.....	.....	0	0	clear	M. **Sauvageot, Director.**
Brest, Naval Observatory	29.76	756.0	30.00	762 1	64.8	18.2	74	se.	.....	.....	2	.....	2	.....	se.	0	0	.....	M. de Kermaréc, Dir.
Caen, Normal School	29.99	761.8	30.06	763.6	67.6	19 8	91	s.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.85	758.1	30.17	766 2	65.7	18.7	56	s.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Jadot, Director.
Charleville, Normal School	29.69	754.2	30.20	767.1	65.5	18.6	66	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.82	732.1	30.15	765.7	69.1	20.6	24	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	M. Alluard, Director.
Cluny, Normal School	29.39	746.4	30.30	769.7	67.8	19.9	37	sse.	.....	.....	.....	.....	0	.....	.....	0	0	.....	M. de Villemontée, Dir.
Commercy, Normal School	29.38	746.3	30.28	769.0	61.9	16.6	53	se.	.....	.....	2	.....	5 K	se.	se.	0	0	cloudy	Dr. Coulet, Director.
Gap, Normal School	27 73	704.3	30.25	768.3	62.2	16.8	27	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	M. Jarach, Director.
Gréasque, du Rhone	29.17	741.0	30.29	769.4	64.6	18.1	46	s.	.....	.....	2	.....	1	.....	s.	0	0	.....	M. Kina, Director.
Grenoble, Normal School	29.49	749.0	30.25	768 3	64.8	18.2	49	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Ablard, Director.
Guéret, Normal School	28.62	727.0	30.17	766.4	62.6	17.	43	se.	.....	.....	1	c	.....	.....	ssw.	0	0	.....	M. Delorme, Dir.
Lambal e Normal School	29.72	754.9	30.00	761.9	61.3	16.3	66	s.	.....	.....	1	c	.....	.....	s.	0	0	.....	**M. Polipre, Dir.**
Lescar, Normal School	29.50	749.2	30.04	763.0	74.1	23.4	33	e.	.....	.....	1	.....	.....	.....	.....	0	0	.....	M. Chauvin, Director.
Lorient, Naval Observatory	29.94	760.4	30.04	763 0	58.3	14.6	72	se.	.....	.....	4	.....	8	.....	se.	0	0	¾ covered	**L. T. Carré, Director.**
Lyon, St. Genis-Laval	29.18	741.2	30.23	767.8	66.2	19.0	37	s.	.....	.....	4	.....	0	.....	.....	0	0	clear	M. André, Director.
Mans, Normal School	29.82	757.4	30.13	765 2	60.6	15.9	61	sw.	.....	.....	4	2 c	.....	.....	.....	0	0	slightly cl'dy	M Richard, Director
Marseille, Observatory	30.05	763 2	30.32	770 0	61.2	16.2	62	s.	.....	.....	2	.....	1	.....	s.	0	0	.....	M. Stephan, Director.
Montlouis	24.98	634.4	29.82	757.4	49.6	9.8	40	wsw.	18.6	8.3	.....	.....	0	.....	.....	0	0	.....	M Cave for Dr. Fines.
Montpellier, Normal School	30.15	765.9	30.27	768.8	58.1	14.5	78	ssw.	.....	.....	4	.....	5	sw.	.....	0	0	cloudy	M. Galzin, Director.
Nancy, Normal School	29.44	747.8	30.21	767 2	65.5	18.6	46	n.	.....	.....	1	.....	.....	.....	.....	0	0	foggy	**M. Hasse, Director.**
Nantes, Observatory	29.95	760.6	30.11	764 7	66.7	19.3	50	se.	.....	.....	1–2	6 c	.....	.....	wsw.	0	0	.....	M. Laroeque, Director.
Perpignan, Observatory	30.13	765.4	30.25	768.3	61.9	16.6	61	e.	7.4	3.3	.....	.....	0	.....	.....	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	21.28	540.5	.....	.....	31.1	— 0.5	.....	sw.	.....	.....	1	.....	c	.....	.....	0	0	clear	**M. Vaussenat, Director.**
Privas, Normal School	29.22	742.2	30.28	769.0	65.1	18.4	41	s.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	25 32	643.0	.....	.....	46.4	8.0	49	sse.	.....	.....	4	.....	0	.....	.....	0	0	.....	M Alluard.
Rochefort, Naval Obs'y	30.07	763.8	.....	.....	66.6	19.2	57	se.	.....	.....	4	.....	0	.....	.....	0	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.80	756 8	30.10	764.6	62.6	17.	64	se.	.....	.....	4	.....	.....	.....	e.	0	0	.....	**M. Brotlier, Director.**
Rodez, Normal School	27.97	710.4	30.01	762 3	60.8	16.0	61	sse.	.....	.....	1	.....	1	.....	se.	0	0	clear	M. Seger, Director.
Rouen, Normal School	30.10	764.6	30.11	764.7	59.0	15.	68	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Moullot, Dir.
Saint Maur, Observatory	30.01	762.3	30.15	765 8	62.6	17.	64	s.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Renou, Director.
Toulouse, Observatory	29.45	748.1	30.18	766.5	65.5	18.6	45	s.	.....	.....	1	.....	1	.....	ssw.	0	0	clear	M. Bailland, Director.
Tours	29.96	760.9	30.18	766.6	59.5	15.3	65	sse.	.....	.....	6	.....	0	.....	.....	0	0	clear	M. de Tastes.
Versailles, Observatory	29.68	753.8	30.14	765.5	63.3	17.4	50	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	Dr. A. Berigny, Director.
Sub-series.			30.17	766.3	64.0	17.8	44	sw.	.....	.....	2	.....	0	.....	.....	0	0	clear	
St. Martin du Hinx	29.93	760.2	30.08	764.0	68.2	20.1	42	e.	7.8	3.5	.....	1 c	.....	.....	.....	0	0	.....	M. Cartier, Director.
GERMAN.																			
Ansbach	28.88	733.5	30.33	770.4	56.8	13 8	43	e.	.....	.....	2	.....	.....	.....	e.	0	0	.....	Prof. Juedt.
Bamberg	29.46	748.3	30.32	770 0	57.7	14.3	33	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	Prof. Dr. Hoh.
Berlin	30.20	767.1	30.35	770.8	57.9	14.4	56	se.	.....	.....	1	.....	0	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.95	760.6	30.48	774.3	44.1	6.7	70	ese.	.....	.....	2	.....	0	.....	.....	0	0	.....	**Royal University Obs'y**
Carlsruhe	29.83	757.6	30.29	769.3	60.8	16.0	61	sse.	.....	.....	1	.....	0	.....	.....	0	0	.....	Albert Senz.
Cassel	29.58	751.3	30.29	769.4	62.2	16.8	52	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.91	759.8	30.28	769.1	60.8	16.0	57	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.86	733.0	30.30	769.5	50.7	10.4	76	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	30.21	767.3	30.30	769.6	58.6	14.8	60	s.	.....	.....	2	.....	3	.....	.....	0	0	.....	E. Preller.
Kiel	30.25	768.4	30.27	768 8	52.3	11.3	75	s.	.....	.....	1	.....	2	.....	.....	0	0	.....	Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.92	760.0	30.35	770.8	57.2	14.0	52	se.	.....	.....	2	.....	1	.....	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	30.13	765.2	30.32	770.1	60.8	16.0	55	sse.	.....	.....	2	.....	0	.....	.....	0	0	.....	**Weather Observatory.**
Memel	30.56	776.1	30.60	777 3	32.7	0.4	100	s.	.....	.....	5	.....	10	.....	.....	.....	.....	.....	Issermann.
Munich	28.48	723 3	30.36	771.1	56.3	13.5	55	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....	Central Station.
Neufahrwasser	30.54	775.7	30.56	776.1	36.7	2.6	80	se.	.....	.....	2	.....	9	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.72	755.0	30.26	768 5	59.5	15.3	65	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	Prof. Dicknether.
Stuttgart	29.30	744.2	30.18	766.6	65.3	18.5	42	n.	.....	.....	1	.....	0	.....	.....	0	0	.....	Prof. Dr. Schoder.
Wustrow	30.34	770.6	30.36	771.2	50.2	10.1	79	se.	.....	.....	2	.....	8 s	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.90	759.4	30.29	769.3	55.4	13.0	.....	n.	.....	.....	1.5	4	0	.....	.....	0	0	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.81	757.3	29.86	758.6	78.1	25.6	81	w.	27.0	12.1	.....	.....	0	.....	.....	0	0	blue sky	
Deesa	29.34	745.2	29.80	757.0	92.4	33.6	19	w.	19.0	8.5	.....	.....	1	w.	.....	0	0	d. clouds	
Bombay	29.84	757.9	29.88	758.9	82.6	28.1	64	nw.	15.0	6.7	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	28.01	711.4	29.82	757.5	91.5	33.1	13	w.	17.0	7.6	.....	.....	0	.....	.....	0	0	blue sky	
Belgaum	27.33	694.1	29.83	757.6	84.0	28.9	54	wsw.	10.0	4.5	.....	.....	2	n.	e.	0	0	d. clouds	
Lahore	29.11	739.5	29.87	758.6	73.8	23.2	47	w.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Roorkee	28.86	733.0	29.76	755.9	70.7	24.8	25	e.	.....	.....	.....	.....	4	n.	.....	0.01	0.3	d. clouds	
Agra	29.22	742.2	29.78	756.4	86.2	30.1	15	nw.	.....	.....	.....	.....	0?	.....	.....	0.14	3.6	d. clouds ?	
Nagpur	28.72	729.4	29.72	755.0	97.2	36.2	18	w.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p.sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
INDIAN.—Continued.																			
Tubbulpore	28.42	721 9	29.74	755.5	91.6	33.1	22	w.	8.0	3.6	..	.....	1	.....	.....	0	0	blue sky	
Lucknow	29.42	747.3	29.79	756.8	89.1	31.7	31	nne.	3.0	1.3	.....	.....	0	.....	.....	0	0	blue sky	
Allahabad	29.41	747.1	29.72	754 9	87.7	30.9	30	ne.	4.0	1.8	.....	.....	2	w.	.....	0	0	d. clouds	
Patna	29.52	749 8	29.70	754.5	86.6	30.3	29	nnw.	3.6	1.6	.....	.....	4	nnw.	nnw.	0	0	d. clouds	
Hazaribagh	27.70	703.7	29.68	753.8	85.8	29.9	20	n.	6.0	2.7	.....	.....	6	n.	.....	0	0	d. clouds	
Cuttack	29.66	753 5	29.75	755.5	86.6	30.4	45	sse	10.0	4.5	.....	.....	4	.....	.....	0	0	misty	
Calcutta, Alipore	29.65	753.2	29.68	753.7	87.2	30.7	54	sse.	9.0	4.0	.....	.....	1	.....	.....	0	0	d. clouds	
Dhubri	29.52	749.8	29.64	752.8	85.7	29.8	43	calm	2.3	1.0	.....	.....	6	sw.	.....	0	0	d. clouds	
Chittagong	29.71	754.7	29.80	757.0	78.5	25.8	81	ssw.	7.9	3.5	.....	.....	2	.....	.....	0	0	misty	
Sibsagar	29.45	748.0	29.80	756.8	66.7	19.3	88	ne.	2.0	0.9	.....	.....	10	sw.	sw.	0.08	2.0	overcast	
Jeypore	28.36	720 3	29.79	756.6	85.1	29.5	25	nnw.	5.6	2.5	.....	.....	3	.....	sw.	0	0	d. clouds	
Zanzibar	29.86	758.5	29.88	759.1	83.5	28.6	69	nnw.	7.0	3.1	.....	.....	3	.....	ese.	0	0	d. clouds	
Bellary	28.33	719.6	.....	.....	97.0	36.1	16	e.	2	0.9	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.61	752.1	.....	.....	92.5	33.6	37	nne.	0.1	0.04	.....	0	0	.....	.....	0	0	blue sky	
ITALIAN.																			
Udine	29.93	760.2	30.34	770.7	63.0	17.2	38	s.	1.3	0.6	.....	.....	0	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.83	757.7	30.35	770 9	62.8	17.1	51	se.	3.1	1.4	.....	.....	1	.....	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	30.24	768.2	30.35	771.0	61.2	16.2	47	e.	4.9	2.2	.....	.....	0	.....	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.42	747.2	30.33	770.3	61.2	16.2	52	e.	4.3	1.9	.....	.....	2	se.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	30.13	765.2	30.32	770.1	61.7	16.5	64	sw.	3.1	1.4	.....	.....	0	.....	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	30.31	769.8	30.35	771.0	54.3	12.4	75	n.	11.2	5.0	.....	.....	0	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	30.02	762.6	30.28	769 1	64.8	18.2	43	wnw.	.....	.....	2	.....	1	ne.	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	30.17	766.3	30.26	768.5	60.3	15.7	61	nw.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. P. Monte.
Rome	30.10	764.5	30.27	768.9	65.7	18.7	45	sw.	4.9	2.2	.....	.....	4	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	30.00	762.0	30.26	768.5	59 4	15.2	45	nne.	13.6	6.1	.....	.....	0	.....	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	29.37	745.9	30.27	768.8	59.0	15.0	76	wsw.	1.8	0.8	.....	.....	5	sw.	.....	0	0	.....	Prof. D. Conti.
Palermo	30.04	762 9	30.29	769 3	60.8	16.0	62	ne.	6.9	3.1	.....	.....	0	.....	.....	0	0	.....	Prof. G. Caccintore
Syracuse	30.20	767.1	30.25	768.3	62.1	16.7	60	ne.	7.4	3.3	.....	.....	10	ne.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.74	755.5	.....	.....	63.9	17.7	49	ene.	1.8	0.8	.....	.....	3	nw.	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.11	764.9	30.14	765 5	32.0	0.0	83	w.	.....	.....	2	.....	10k;ks	.....	w.	0	0	cloudy	H. Hattori.
Awomori	30.07	763.8	30.11	764.8	28.2	— 2.1	74	sw.	10.7	4.8	.....	.....	10 s	.....	.....	0	0	overcast	K. Ogawa.
Hakodate	30.06	763 4	30.07	763.7	30.0	— 1.1	94	w.	15.0	6.7	.....	.....	10 s	.....	.....	0	0	covered	Y. Souma.
Hamamatsu	30.01	762 2	30.11	764.7	45.1	7.3	74	w.	.....	.....	2	0	0	.....	.....	0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.09	764.3	30.11	764.7	42.7	5.9	86	n.	1.7	0.7	.....	3 cs	0	w.	.....	0.024	0.6	fair	Y. Okamoto.
Kagoshima	30.07	763.8	30.08	764.1	56.4	13.6	85	calm	.....	.....	0	.....	10 s	.....	.....	0.100	2.7	overcast	
Kanazawa	30.05	763 3	30.16	766.0	31.4	1.3	71	e.	6.2	2.8	.....	0	0	.....	.....	0	0	clear	S. Endo.
Kioto	29.96	760.9	30.13	765.3	36.4	2.4	77	n.	0.5	2.9	.....	0	0	.....	.....	0	0	clear	M. Tojima.
Kochi	30.10	764.5	30.12	765.0	53.1	11.7	74	ene.	2.3	1.0	..	.....	10 s	.....	.....	map.	map.	overcast	K. Kusunose.
Miasaka	30.08	764.0	30.11	764.7	53.8	12.1	86	nne.	.....	.....	1	.....	10 s	.....	w.	0.114	2.9	overcast	K. Masusaki & T. Ishitaim.
Miyako	29.97	761.3	30.08	764.1	27.0	— 2.8	56	w.	0.4	0.2	.....	0	0	.....	.....	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.86	758.4	30.06	763.5	50.9	10.5	92	calm	0	0	.....	.....	4 s	.....	.....	0.150	3.8	fair	
Nemuro	29.91	759 7	29.96	761.0	21.0	— 6.1	70	nw.	12.0	5.4	.....	1 k	0	.....	.....	0	0	clear	A Shibuya.
Niigata	30.13	765.3	30.17	766.3	32.2	0.1	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	Satoo & Tomikawa.
Nobiru	30.16	764.5	30.12	764.9	33.6	0.9	61	nnw.	9.3	4.2	..	0	1 s	.....	.....	0	0	clear	Yoshino & Midzushina.
Numadzu	30.07	763.8	30.10	764.6	41.3	5.2	81	ene.	.....	.....	2	0	3 s	.....	.....	0	0	clear	T. Ohgi.
Osaka	30.11	764.7	30.12	765.1	41.7	5.4	73	ne.	10.6	4.7	.....	0	0	.....	.....	0	0	clear	H. Omura.
Sakai	30.06	763.6	30.07	763.8	45.0	7.2	80	ene.	.....	.....	2	0	0	.....	.....	0.142	3.6	clear	Yamawchi & Sakamoto.
Sapporo	29.97	761.3	30.04	763.1	23.5	— 4.7	87	w.	7.6	3.4	.....	0	2 s	.....	.....	0.020	0.5	clear	S. Kimura.
Shimonoseki	29.93	760.1	30.07	763.8	46.4	8.0	81	ne.	.....	.....	2	0	1 s	.....	w.	0.083	2.1	clear	S. Sakano.
Tokei Obs'y, Yeddo	30.04	763 1	30 12	765.1	41.0	5.0	53	n.	7.3	3.2	.....	0	3ks;s	.....	w.	0	0	fair	The Staff.
Wanayama	30.04	763.0	30.09	764.4	43.6	6.4	75	ne.	2.5	1.1	.....	0	0	.....	.....	0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.70	754 4	29.89	759.2	81.3	27.4	66	nw.	6.0	2.7	.....	2 c;ck	4k;n	.....	.....	0.30	7.6	fair	The Staff.
MEXICAN.																			
Leon	24.40	619 7	30.21	767.3	48.9	9.4	72	w.	0.9	0.4	.....	9 c	0	.....	.....	0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.72	754.8	29.98	761.5	64.0	17.8	94	ne.	0.9	0.4	.....	2 cs	0	w.	.....	0	0	hazy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.19	766 8	30.19	766.8	57.2	14.0	.....	ese.	.....	.....	2	.....	.....	.....	.....	0.004	0.1	.....	
Groningen	30.17	766.3	30.22	767.7	55.4	13.0	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	30.19	766.9	30.19	766.9	55.0	12.8	.....	se.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	30.19	766.9	30.19	766 9	61.2	16.2	71	ese.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Utrecht	30.16	766.1	30.21	767.3	63.0	17.2	58	sse.	.....	.....	3	.....	3	.....	.....	0	0	lightly cl'dy	H. van der Brink.
Sub-series.																			
Batavia, Java	29 86	758.4	.....	.....	79.2	26.2	85	nne.	0	0	.....	.....	4	.....	.....	0.008	0.2	.....	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.93	760.1	29.99	761.7	44.2	6.8	94	sse.	25	11	.....	.....	10	.....	.....	1.496	38.0	raining	
Brono	29.67	753.7	29.71	754.7	43.7	6.5	84	ssw.	.....	.....	6	.....	10	.....	.....	0.417	10.6	light rain	
Christiania	29.97	761 1	30.11	764.9	34.2	4.0	95	ssw.	9	4	.....	.....	10	.....	.....	0.098	2.5	foggy	
Gjæsvær	29.60	751.8	29.62	752.4	36.1	2.3	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Hodingen	29.58	751.4	29.63	752.6	36.5	2.5	94	calm	.....	.....	0	.....	10	.....	.....	2.146	54.5	rain & fog	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.80	756.9	29.89	759 1	63.1	17.3	67	w.	12.5	5.6	.....	.....	9	.....	.....	0.138	3.5	.....	The Staff.
Ponta Delgada, Azores	29.65	753.1	29.98	761.6	60.3	15.7	71	sse.	23.0	10.3	.....	.....	8	.....	.....	0	0	.....	
Saint Paul de Loando	29.43	747.5	29.50	749.3	55.4	13.0	66	nw.	19.2	8.6	.....	.....	3	nne.	.....	0.382	9.7	.....	
St. Vincent, Cape Verd Ids.	30.00	762.1	30.04	763.0	68.7	20.4	71	ene.	.....	.....	4	.....	1	.....	.....	0	0	.....	
San Salvador, Congo	28 00	711 3	29.80	756.9	87.1	30.6	56	s.	.....	.....	1	.....	1	.....	.....	0	0	.....	
Serra da Estrella	25.20	640.1	30.01	762.2	39.7	4.3	96	se.	43.4	19.4	.....	.....	10	.....	.....	0.039	1.0	foggy	
RUSSIAN.																			
Akmolinski	29.14	740.1	30.32	770.2	8.8	—12.9	73	calm	0	0	.....	.....	9 k	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	30.23	767.8	30.25	768.3	30.7	— 0.7	81	se.	4	2	.....	0	4 ks	.....	.....	0	0	.....	Capt. Sselliwerstow
Ashuradа	30.05	763 3	29.96	760.9	54.1	12.3	75	nw.	11	5	.....	0	8 k	.....	.....	0.311	7.9	.....	
Astrakhan	30.30	769.6	30.22	767.6	32.4	0.2	45	ne.	13	6	.....	0	0	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.15	765 7	30.10	764.5	34.0	1.1	81	n.	31	14	.....	.....	10 kn	.....	.....	0.150	3.8	.....	
Barnaul	29.96	760.9	30.52	775.1	6.8	—14.0	73	calm	0	0	.....	.....	9	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	30.06	763 6	30.56	776.3	26.6	— 3.0	66	calm	0	0	.....	0	1 s	.....	.....	0.039	1.0	light clouds	
Dorpat	30.30	769 7	30.56	776.3	31.8	— 0.1	71	ssw.	7	3	.....	c	10 ks	.....	.....	0	0	.....	Observatory.
Ekaterinburg	29.33	744.9	30.35	770.8	27.5	— 2.5	48	w.	4	2	.....	10 c	0	.....	.....	0	0	.....	
Elisawetgrad	30.01	762.3	30.49	774 4	33.6	0.9	52	nw.	9	4	.....	3 cs	0	.....	.....	0	0	solar halo	Meteorological Obs'y.
Kasan	30.28	769.1	30.58	776.6	18.1	— 7.7	54	wsw.	2	1	.....	0	0	.....	.....	0	0	.....	
Kem	30.10	764.5	30.15	765.8	29.1	— 1.6	92	s.	31	14	.....	.....	10 n	.....	.....	0	0	.....	Observatory.
Kertch	30.21	767.2	30.23	767.8	28.8	— 1.8	.....	ne.	7	3	.....	.....	10 n	.....	.....	0	0	.....	
Kieff	29.86	758 4	30.51	775.8	23.5	— 4.7	65	nne.	9	4	.....	0	5 ks	.....	.....	0	0	.....	Lagorio & Sastyrea.
Koslov	30.06	763 4	30.61	777.6	12.0	—11.1	53	ene.	9	4	.....	0	0	.....	.....	0	0	.....	Observatory.
Lgov	30.02	762.5	30.67	778 9	15.6	— 9.1	64	e.	9	4	.....	.....	3	.....	.....	0	0	.....	
Libau	30.54	775.7	30.56	776.3	30.9	— 0.6	81	s.	9	4	.....	.....	10	.....	.....	0	0	.....	R. I. Saaweljew, Eo rin'r.
Lugan	30.16	766 1	30.38	771.7	19.9	— 6.7	55	ne.	18	8	.....	.....	9	.....	.....	0	0	.....	[illegible]
Moscow	30.12	765.1	30.65	778.6	18.5	— 7.5	64	calm	0	0	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27.56	699.9	30.02	762.4	11.5	—11.4	80	nw.	4	2	.....	.....	2	.....	.....	0.004	0.1	.....	Meteorological Obs'y.
Nikolaiev	30.34	770.6	30.41	772.4	36.7	2.6	62	ne.	13	6	.....	cs	6 n	.....	.....	0	0	light clouds	Capt. Kurdakow.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.80	756.9	29.89	759.1	3.9	—15.6	66	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwashow.
Pekin, China	29.80	756.8	29.94	760.4	38.8	3.8	78	calm	0	0	.....	2 cs	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.65	753.2	30.00	762.0	60.4	15.8	33	ne.	2	1	.....	.....	10 ks	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.22	767.5	30.43	772.8	32.0	0.0	63	sw.	9	4	.....	0	8 ks	.....	.....	0.087	2.2	.....	Dr. Bergmann.
Pinsk	30.07	763.7	30.60	777 2	30.6	— 0.8	71	nne.	4	2	.....	.....	10 s	.....	.....	blank	blank	.....	
Poti	30.13	765.2	30.16	766.0	44.4	6.9	86	sw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.50	774.6	30.52	775.2	30.4	— 0.9	61	ssw.	9	4	.....	.....	10 s;n	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.58	700 6	30.07	763.7	51.1	10.6	80	nw.	7.8	3.5	.....	.....	9	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.78	756.5	30.51	775.0	9.9	—12.3	70	calm	0	0	.....	.....	2	.....	.....	0	0	.....	Major Tasarew
Sevastopol	30.04	763.1	30.27	768.8	32.1	0.1	79	ne.	20	9	.....	.....	10 n	.....	.....	blank	blank	.....	
Staroi Bykhov	30.02	762.5	30.61	777.6	28.4	— 2.0	50	ssw.	7	3	.....	0	0	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.38	720 9	30.05	763 2	57.2	14.0	47	ne.	4	2	.....	.....	10 n	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.58	726.0	30.04	763.1	40.8	4.9	70	calm	0	0	.....	.....	10 n	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.53	699.3	30.15	765.9	25.7	— 3.5	86	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	foggy	Lariono.
Viatka	29.79	756.6	30.47	773.8	22.5	— 5.3	60	wsw.	2	1	.....	.....	1	.....	.....	0	0	.....	
Vladivostock	29.93	760.2	30.00	761.9	27.0	— 2.8	69	s.	34	15	.....	.....	8 ks	.....	.....	0.008	0.2	.....	
Warsaw	30.14	765.5	30.58	776.8	40.3	4.6	64	se.	4	2	.....	.....	10 ks	.....	.....	.....	.....	.....	
Yeniseisk	30.15	765 8	30.48	774.1	— 4.4	—20.2	59	w.	2	1	.....	.....	0	.....	.....	0	0	.....	Astronomical Obs'y.
Sub-series.																			M. O. Marks.
Petrowsky Academy	29.98	761 5	30.51	774.9	23.7	— 4.6	47	w.	5.6	2.5	.....	1	0	.....	.....	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	30.19	766.9	30.30	769.7	58.1	14.5	80	se.	.....	.....	.....	.....	10 k	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	30.00	762.0	30.06	763.5	68.9	20.5	50	s.	2.9	1.3	.....	2	0	sw.	.....	0	0	almost clear.	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27 11	688 6	30.07	763.8	55.9	13.3	53	se.	10.5	4.7	.....	.....	3	.....	.....	0	0	light clouds	Domingo Martin.
Madrid, Royal Obs'y	27.89	708 5	30.10	764.6	62.1	16.7	52	se.	19.7	8.8	.....	0	6	.....	.....	0	0	cloudy	The Staff.
Murcia, Met. Obs'y	30.04	763.1	30.20	767.0	58 6	14.8	78	ene.	6.3	2.8	.....	3	6	sw.	.....	0.059	1.5	rainy	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.93	734.9	29.82	757.5	58.5	14.7	58	s.	12.5	5.6	.....	.....	10	.....	.....	0	0	covered	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.09	764 3	30.16	766.0	70.6	21.6	82	nne.	17.2	7.7	.....	.....	10 ks;k	.....	n.	1.92	49.7	cloudy	Benito Vines, S. J.
Manilla, Philippine Islands	29.93	760.1	29.98	761 5	81.2	27.3	68	se.	11.0	4.9	.....	0	1 ks	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.95	760.7	30.05	763.2	64.2	17.9	62	e.	28.6	12.8	.....	2	7	se.	se.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	30.05	763.2	30.14	765.5	73.8	23.2	80	se.	7.6	3.4	.....	4 cs	2 k	se.	se.	0.071	1.8	cloudy	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	29.88	759.0	29.92	760.0	32.7	0.4	100	calm	.....	.....	0	.....	10	.....	.....	0.098	2.5	.....	
Umea	29.87	758.8	29.93	760.1	37.8	3.2	90	sw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Hernosand	29.87	758.8	29.93	760.1	40.3	4.6	81	sw.	.....	.....	2	.....	10	.....	.....	0.024	0.6	.....	
Stockholm	30.10	764.5	30.28	769.1	37.0	2.8	86	s.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Wisby	30.31	769.8	30.37	771.3	37.8	3.2	87	sw.	.....	.....	6	.....	5	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.13	765 3	30.22	767.5	37.6	3.1	89	ssw.	18.1	8.1	.....	.....	10	.....	wsw.	inap.	inap.	.....	H.H.Hildebrandsesson
SWISS																			
Geneva	28.85	732.9	30.28	769.0	56.1	13.4	54	n	.....	.....	.....	1	0	.....	.....	0	0	clear	
TURKISH.																			
Constantinople	.....	.....	30.33	770.4	42.8	6.0	60	n.	13	6.0	.....	.....	8	.....	ne.	0	0	.....	The Observatory.
Valona	.....	.....	30.33	770.4	65.1	18.4	.....	nw.	.....	.....	2	.....	2	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.08	764.0	58.8	14.9	53	nw.	.....	.....	4	.....	5 n	.....	nw.	0.10	2.5	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.91	759.7	30.00	762.0	32	0.0	82	ne.	8	3.6	.....	.....	10 n	.....	.....	0.25	6.3	light snow	J. O. Barnes.
Alpena, Michigan	29.45	748.0	30.15	765.8	9.3	—12.6	76	w.	2	0.9	.....	0	1 s	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.84	630.9	29.86	758.4	39.3	4.1	71	se.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	J. B. Turton.
Assiniaboine, Ft., Montana	26.93	684 0	29.95	760.7	13.4	—10.3	70	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. J. O'Connor.
Atlanta, Georgia	29.08	738.6	30.28	769.1	37.8	3.2	83	nw.	6	2.7	.....	0	sk.	.....	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	29.89	759.2	29.90	759.4	38.5	3.6	89	n.	8	3.6	.....	.....	10 n	.....	.....	1.79	45.5	light rain	B. A. Blundon.
Augusta, Georgia	30.10	764.5	30.30	769.6	42	5.6	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	W. J. Evans.
Baltimore, Maryland	29.99	761.7	30.0	763.0	39.3	4.1	88	n.	9	4.0	.....	.....	10 s	.....	nw.	0.63	16.0	cloudy	Geo. W. Felger.
Barnegat City, New Jersey	29.86	758.4	29.88	758.9	37.0	2.8	100	n.	16	7.2	.....	.....	10 n	.....	n.	0.13	3.3	light rain	J. P. Sherry
Bennet, Fort, Dakota	28.52	724.4	30.22	767.0	22.3	— 5.4	72	calm	0	0	.....	.....	0	.....	.....	inap.	inap.	clear	A. Pritchard.
Benton, Fort, Montana	27.17	690.1	30.15	765.8	27.0	— 2.8	82	calm	0	0	.....	0	3 s	.....	sw.	0	0	clear	C. S. Bennett.
Bismarck, Dakota	28.24	717.3	30.16	766.1	7.0	—13.9	80	e.	7	3.1	.....	.....	10 n	.....	nw.	inap.	inap.	light snow	B. O. Lenoir.
Block Island, Rhode Island	29.71	754.6	29.74	755.4	34 8	1.6	100	n.	34	15.2	.....	.....	10 n	.....	ne.	1.00	25.4	light rain	J. T. Ecker.
Boise City, Idaho	27.04	686 8	29.96	761.0	40.3	4.6	77	calm	0	0	.....	8 ck	0	nw.	.....	0	0	cloudy	James Kenealy.
Boston, Massachusetts	29.68	753.9	29.84	757.9	34.0	1.1	98	n.	11	4.9	.....	.....	10 n	.....	n.	0.31	7.9	light rain	O. B. Cole.
Brownsville, Texas	30.20	767.1	30.26	768 6	51.0	10.6	93	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.34	745 2	30.14	765.5	21.5	— 5.8	83	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	D. Cuthbertson.
Buford, Fort, Dakota	27.86	707.0	30.02	762.5	14	—10.0	87	ne.	11	4.9	.....	0	3 s	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.97	761.2	30.39	771 9	37.3	2.9	79	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.60	751.8	29.80	756.9	46.2	7.9	77	e.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. H. Young.
Cape Henry, Virginia	29.99	761.7	30.01	762.2	40.0	4.4	82	w.	18	8.0	.....	.....	10 s	.....	w.	0.03	0.8	cloudy	A. K. Alderson.
Cape May, New Jersey	30.00	762 0	30.03	762.7	36.0	2.2	89	nw.	24	10.7	.....	.....	10 s	.....	nw.	0.35	8.9	cloudy	W. E. Smith.
Cape Mendocino, California	29.14	740 1	29.83	757.7	50.2	10.1	71	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.27	768.8	30.29	769.4	50.0	10.0	77	nw.	15	6.7	.....	3 c	0	sw.	.....	0.02	0.5	clear	G. W. Davis.
Charleston, S. Carolina	30.11	764.8	30.17	766.3	43.0	6.1	74	nw.	6	2.7	.....	0	0	.....	.....	0.08	2.0	clear	J. H. Smith.
Charlotte, N. Carolina	29.31	744.5	30.19	766.8	39.0	3.9	73	nw.	6	2.7	.....	0	fg.	.....	.....	0.03	0.8	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.45	748.0	30.30	769.6	38.5	3.6	86	w.	3	1.3	.....	0	fg.	.....	.....	0	0	clear	B. L. Goulding.
Cheyenne, Wyoming	23.90	607.0	30.10	764.5	24.9	— 3.9	57	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chincoteague, Virginia	29.48	748.8	30.22	767.6	32.0	0.0	62	w.	5	2.2	.....	.....	10 s	.....	sw.	0	0	cloudy	Wm. Norrington.
Cincinnati, Ohio	29.94	760.5	29.96	761.0	38.5	3 6	94	nw.	17	7.6	.....	.....	10 s	.....	nw.	0.37	9.4	cloudy	C. F. Dickens.
Cleveland, Ohio	29.59	751.6	30.28	769.1	36.8	2.7	81	nw.	6	2.7	.....	0	0	.....	.....	0.15	3.8	clear	L. Dunne.
Columbus, Ohio	29.43	747.5	30.21	767.3	24.5	— 4.2	88	nw.	6	2.7	.....	0	sk.	.....	nw.	0	0	clear	W. Line.
Concho, Fort, Texas	28.34	719.8	30.31	769.9	33.9	1.1	81	w.	3	1.3	.....	0	sk.	.....	.....	0.11	2.8	clear	F. T. Williams
Custer, Fort, Montana	26.07	677 4	30.00	762.0	15.3	— 9.3	67	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	C. E. King.
Davenport, Iowa	29.55	750.6	30.24	768.1	32.0	0.0	62	se.	4	1.8	.....	0	2 s	.....	.....	0	0	clear	W. J. Daily.
Davis, Fort, Texas	25.17	639.3	30.04	763.0	42.4	5.8	75	w.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	R. R. Martin.
Dayton, Washington Ty	28.16	715 3	29.98	761.5	36.0	2.2	81	sw.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	J. Williams.
Deadwood, Dakota	25.18	639.6	30.02	762.5	31.5	— 0.3	74	ne.	1	0.4	.....	5 ck	5 s	se.	.....	0	0	cloudy	T. Gibson.
Delaware Breakwater, Del	29.93	760 2	29.95	760.7	37.5	3.1	92	nw.	6	2.7	.....	3 cs	0	w.	.....	0	0	clear	G. W. Scott.
Denver, Colorado	24.04	625.8	30.08	764.0	29.3	— 1.5	71	nw.	27	12.1	.....	.....	10s;ks	.....	w.	0.35	8.9	cloudy	G. A. Martin.
Des Moines, Iowa	29.34	745.2	30.30	769.6	29	— 1.7	67	s.	2	0.9	.....	0	2 s	.....	.....	0	0	clear	F. M. Neal.
Detroit, Michigan	29.47	748.5	30.22	767.6	33.2	0.7	68	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	F. W. Conrad.
Dodge City, Kansas	27.53	699.2	30.26	768.6	33	0.6	65	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	N. B. Conger.
Dubuque, Iowa	29.48	748.8	30.23	767.8	27	— 2.8	67	se.	10	4.5	.....	1 cs	0	.....	.....	0	0	clear	J. E. Lanouette.
Duluth, Minnesota	29.46	748 3	30.25	768 3	12.5	—10.8	70	w.	1	0.4	.....	0	1 s	.....	.....	0	0	clear	J. Harvey Smith
Eastport, Maine	29.79	756.7	29.86	758.4	29.5	— 1.4	82	nw.	17	7.6	.....	0	0	.....	.....	0.02	0.5	clear	E. R. Brace.
Elliott, Fort, Texas	27.41	696.2	30.24	768.1	33	0.6	74	ne.	17	7.6	.....	.....	10 n	.....	ne.	0.01	0.3	sleeting	D. C. Murphy.
El Paso, Texas	26.20	665.5	30.00	762.0	49.0	9.4	25	se.	8	3.6	.....	0	4 s	.....	.....	0	0	fair	J. C. Rickli.
Erie, Pennsylvania	29.40	746 7	30.17	766 3	26.5	— 3.1	82	e.	1	0.4	.....	10 cs	0	.....	.....	0	0	cloudy	F. Belford.
Escanaba, Michigan	29.36	745.7	30.08	764.0	15.0	— 9.4	83	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	P. Wood.
Fort Smith, Arkansas	29.87	758.7	30.36	771.1	35.2	1.8	82	s.	1	0.4	.....	7 c;ck	0	sw;s.	.....	0	0	fair	L. M. Pindell.
Galveston, Texas	30.27	768.8	30.31	769 9	52.7	11.5	68	e.	2	0.9	.....	0	fg.	.....	.....	0	0	clear	J. B. Campbell.
Grand Haven, Michigan	29.47	748.5	30.17	766.3	29.0	— 1.7	85	ne.	6	2.7	.....	hz.	0	.....	.....	0	0	clear	E. O'C. Machenry.
Grant, Fort, Arizona	25.08	637.0	29.91	759.7	49.5	9.7	30	sw.	9	4.0	.....	0	1 s	.....	.....	0	0	clear	Joseph E. Mueller.
Hatteras, North Carolina	30.05	763.3	30.06	763.5	43.0	6.1	83	e.	3	1.3	.....	4 cs	0	sw.	.....	0	0	fair	Chas. A. Read.
								nw.	16	7.2	.....	6 k	3 s	n.	nw.	0.30	7.6	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	c–to	c–to	c–to	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.68	652.3	30.00	762.0	22.5	— 5.3	73	nw.	1	0.4	.....	6 ck	o	.....	.....	o	o	fair	S. W. Morrison.
Huron, Dakota	28.75	730.2	30.23	767.8	22.5	— 5.3	89	se.	6	2.7	.....	.....	10 s	.....	.....	o	o	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.42	747.3	30.26	768.6	28.5	— 1.9	64	nw.	2	0.9	.....	3 ck	o	nw.	.....	o	o	clear	C. F. R. Wappenhans
Indianola, Texas	30.25	768.3	30.28	769.1	55.1	12.8	63	ne.	19	8.5	.....	o	hz.	.....	.....	o	o	clear	I. A. Reed.
Jacksonville Florida	30.22	767.6	30.27	768.8	48.3	9.1	75	nw.	3	1.3	.....	o	o	.....	.....	0.29	7.4	clear	J. W. Smith.
Keokuk, Iowa	29.62	752.3	30.30	769.6	31.3	— 0.4	68	w.	3	1.3	.....	o	o	.....	.....	o	o	clear	F. Z. Gosewisch.
Key West, Florida	30.16	766.1	30.18	766.6	68.4	20.2	70	n	24	10.7	.....	o	7 k	.....	n.	0.08	2.0	fair	J. J. Lackey.
Kittyhawk, North Carolina	30.01	762.2	30.03	762.7	40.7	4.8	71	nw.	15	6.7	.....	o	8 k	.....	nw.	0.19	4.8	cloudy	Wesley Blake.
Knoxville, Tennessee	29.23	742.4	30.29	769.4	33.2	0.7	84	calm	o	o	.....	4 k	fg.	nw.	.....	inap.	inap.	fair	J. A. Cody.
La Crosse, Wisconsin	29.43	747.5	30.25	768.3	18.5	— 7.5	76	w.	6	2.7	.....	o	o	.....	.....	o	o	clear	S. C. Emery.
Leavenworth, Kansas	29.38	746.2	30.32	770.1	32	0.0	78	s.	2	0.9	.....	o	o	.....	.....	o	o	clear	C. Dill.
Lewiston, Idaho	29.07	738.4	29.93	760.2	40.0	4.4	65	calm	o	o	.....	o	7 s	.....	.....	o	o	fair	C. E. Butler.
Little Rock, Arkansas	30.03	762.7	30.36	771.1	42.0	5.6	70	calm	o	o	.....	.....	hz.	.....	.....	o	o	dense haze	W. U. Simons.
Los Angeles, California	29 47	748.5	29.87	758.7	51.0	10.6	96	e.	6	2.7	.....	10 ck	o	se.	.....	1.05	26.7	cloudy	T. S. Collins
Louisville, Kentucky	29.70	754.4	30.29	769.4	33.1	0.6	76	nw.	8	3.6	.....	o	o	.....	.....	o	o	clear	E. B. Garriott.
Lynchburg, Virginia	29.38	746.2	30.10	764.5	41.0	5.0	65	w.	6	2.7	.....	1 k	o	w.	.....	0.07	1.8	clear	Jno. Healy.
Mackinaw City, Michigan	29.39	746.5	30.09	764.3	20.2	— 6.6	80	w.	2	0.9	.....	.....	10 s	.....	.....	o	o	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.09	764.3	30.10	764.5	42.0	5.6	92	nw.	10	4.5	.....	o	8 s	.....	nw.	0.15	3.8	cloudy	William Daly.
Maginnis, Fort, Montana	25.32	643.1	29.92	760 0	32.8	0.4	54	sw.	5	2.2	.....	10 k	o	.....	.....	o	o	cloudy	F. Burke.
Marquette, Michigan	29.34	745.2	30.11	764.8	21.0	— 6.1	87	nw.	14	6.3	.....	.....	10 n	.....	.....	inap.	inap.	light snow	J. Gilligan.
Memphis, Tennessee	30.00	762.0	30.35	770.9	43.0	6.1	65	n.	1	0.4	.....	hz.	hz.	.....	.....	o	o	dense haze	D. T. Flannery.
Milwaukee, Wisconsin	29.39	746.5	30.18	766.0	28.3	— 2.1	72	w.	9	4.0	.....	.....	10 s	.....	w.	o	o	cloudy	S. W. Rhode.
Mobile, Alabama	30.29	769.4	30.33	770.4	44	6.7	83	n	4	1.8	.....	1 cs	sk.	.....	.....	o	o	clear	H. U. Jones.
Montgomery, Alabama	30.09	764.3	30.33	770.4	42.4	5.8	97	nw.	1	0.4	.....	o	3s; fg	.....	.....	inap.	inap	clear	S. M. Leitsell.
Moorhead, Minnesota	29.22	742.2	30.30	769.6	—11	—23.9	90	se.	5	2.2	.....	o	o	.....	.....	o	o	clear	H. Bessant.
Mt. Washington, N. H	23.45	595.6	29.97	761.2	16.0	— 8.9	95	ne.	9	4.0	.....	.....	10 n	.....	ne.	0.09	2.3	light snow	J. H. Melton.
Nashville, Tennessee	29.72	754.9	30.32	770.1	37.6	3.1	85	w.	7	3.1	.....	o	o	.....	.....	inap.	inap.	clear	L. N. Jesunofsky.
New Haven, Connecticut	29.72	754.9	29.84	757.9	35.8	2.1	87	n.	14	6.3	.....	.....	10 n	.....	n.	0.31	7.9	light rain	J. H. Sherman.
New London, Connecticut	29.76	755.9	29.81	757.2	36.3	2.4	100	nw.	12	5 4	.....	.....	10 n	.....	nw.	0.67	17.0	light snow	J. G. Lynch.
New Orleans, Louisiana	30.26	768.6	30.32	770.1	50.8	10.4	52	e	5	2.2	.....	7 c	o	nw.	.....	o	o	fair	M. Herman.
New York, New York	29.72	754.9	29.90	759.4	30	2.2	87	nw.	10	4.5	.....	.....	10n; fg	.....	.....	0.24	6.1	light snow	W. Finn.
Norfolk, Virginia	29.98	761.5	30.01	762.2	42.6	5.9	82	nw.	8	3.6	.....	.....	10 ks	.....	nw.	0.03	0.8	cloudy	Wm. Davis.
North Platte, Nebraska	27.10	688.3	30.16	766.1	27.6	— 2.4	82	e.	10	4.5	.....	o	4 s	.....	.....	o	o	fair	E. F. Brady.
Olympia, Washington Ter	29.81	757.2	29.85	758.2	38.5	3.6	77	calm	o	o	.....	6 cs	o	.....	.....	o	o	fair	J. Dascomb.
Omaha, Nebraska	29.06	738.1	30.32	770.1	29.8	— 1.2	76	nw.	2	0.9	.....	o	6 s	.....	nw.	o	o	fair	A. Pollak
Oswego, New York	29.73	755.1	30.07	763.8	28.0	— 2.2	64	n.	6	2.7	.....	10 cs	o	.....	.....	o	o	cloudy	J. G. Linsley.
Palestine, Texas	29.77	756 1	30.31	770.6	41.3	5.2	71	ne.	10	4.5	.....	o	3 s	.....	.....	o	o	clear	P. T. Jenkins.
Pensacola, Florida	30.30	769.6	30.33	770.4	44.8	7.1	89	n.	4	1.8	.....	2 cs	o	.....	.....	o	o	clear	M. McGauran.
Philadelphia, Pa	29.86	758 4	29.96	761.0	36.0	2.2	94	ne.	15	6.7	.....	.....	10 n	.....	ne.	0.24	6.1	light snow	T. F. Townsend.
Pike's Peak, Colorado	17.03	447.8	30.22	767.6	8.0	—13.3	69	w.	58	26.0	.....	8 cs	o	w.	.....	o	o	cloudy	H. Hall.
Pittsburg, Pennsylvania	29.31	744.5	30.16	766.1	30.1	— 1.1	100	w.	6	2.7	.....	.....	10 s	.....	nw.	0.39	9.9	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	11.7	—11.3	.....	.....	.....	.....	.....	1 c	3 s	.....	.....	o	o	fair	Geo. A. Carden.
Port Huron, Michigan	29.44	747.8	30.16	766.1	19.6	— 6.9	84	n.	2	0.9	.....	o	o	.....	.....	o	o	clear	M. H. Perry
Portland, Maine	29.81	757.2	29 86	758.4	33.5	0.8	83	ne.	18	8.0	.....	.....	10 n	.....	ne.	0.02	0.5	light snow	W. W. Eichelberger.
Portland, Oregon	29.76	755.9	29.83	757.7	47.0	8.3	63	calm	o	o	.....	.....	10 s	.....	.....	o	o	cloudy	M. L. Hearn.
Prescott, Arizona	24.60	624.8	29.94	760.5	39.0	3.9	59	w.	2	0.9	.....	.....	10 s	.....	.....	o	o	threatening	N. D. Lane.
Provincetown, Mass	29.70	754.4	29.73	755.1	34.4	1.3	98	ne.	21	9.4	.....	.....	10 n	.....	ne.	0.60	15.2	light rain	C. N. Kitchel.
Red Bluff, California	29.51	749.5	29.88	758.9	50.5	10.3	95	n.	5	2.2	.....	.....	10 ks	.....	s.	0.19	4.8	cloudy	J. R. Williams.
Rio Grande City, Texas	30.05	763.3	30.29	769.4	51.0	10.6	84	e.	3	1.3	.....	o	o	.....	.....	o	o	clear	L. G. Schultz.
Rochester, N. Y	29.41	747.0	30.11	764.8	24	— 4.4	73	w.	10	4.5	.....	7 c	sk.	w.	.....	o	o	fair	E. W. McGann.
Roseburg, Oregon	29.27	743.4	29.83	757.7	43.3	6.3	89	calm	o	o	.....	8 c	o	w.	.....	inap.	inap.	cloudy	J. J. Nanry.
Sacramento, California	29.74	755.4	29.81	757.2	54.0	12.2	86	ne.	5	2.2	.....	.....	10 n	.....	ne.	0.50	12.7	light rain	J. A. Barwick.
St. Louis, Missouri	29.69	754.1	30.34	770.6	37.0	2.8	82	w.	9	4.0	.....	hz.	o	.....	.....	o	o	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.48	748.8	29.52	749.8	0.5	—17.5	88	n.	22	9.8	.....	.....	8 s	.....	n.	o	o	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.36	745.7	30.28	769.1	14.5	— 9.7	73	w.	1	0.4	.....	o	o	.....	.....	o	o	clear	P. F. Lyons.
St. Vincent, Minnesota	29.35	745.5	30.29	769.4	—15	—26.1	77	calm	o	o	.....	.....	fg.	.....	.....	o	o	dense fog	C. B. Dilley.
Salt Lake City, Utah	25.46	646.7	29.98	761.5	42.2	5.7	51	calm	o	o	.....	.....	10 s	.....	.....	o	o	cloudy	J. Craig.
San Diego, California	29.79	756.7	29.86	758.4	54.0	12.2	90	e.	4	1.8	.....	o	8 k	.....	w.	1.63	41.4	cloudy	F. R. Day.
Sandusky, Ohio	29.49	749.0	30.21	767.3	27	— 2.8	77	w.	6	2.7	.....	o	o	.....	.....	o	o	clear	B. F. Hough.
Sandy Hook, New Jersey	29.86	758.4	29.90	759.4	36.0	2.2	89	n.	34	15.2	.....	.....	10 n	.....	n.	0.50	12.7	light rain	V. P. Chappel.
Sanford, Florida	30.17	766.3	30.22	767 6	51.0	10.6	86	nw.	14	6.3	.....	o	o	.....	.....	0.04	1.0	clear	J. B. Marbury
San Francisco, California	29.69	754.1	29.76	755.9	55.2	12.9	89	n.	4	1.8	.....	.....	10 s	.....	se.	0.77	19.6	cloudy	N. Gorom.
Savannah, Georgia	30.16	766.1	30.25	768.3	43.4	6.3	75	nw.	7	3.1	.....	o	o	.....	.....	0.19	4.8	clear	H. W. Ford.
Shaw, Fort, Montana	26.16	664.5	29.96	761.0	39	3.9	57	sw.	17	7.6	.....	o	o	.....	.....	o	o	clear	A. L. Mathews.
Shreveport, Louisiana	30.11	764.8	30.29	769.4	46.0	7.8	65	n.	2	0.9	.....	.....	hz.	.....	.....	o	o	dense haze	E. N. Meekins.
Sitka, Alaska	29.72	754.9	29.80	756.9	35.8	2.1	85	e	1	0.4	.....	.....	10 ks	.....	e.	0.63	16.0	cloudy	F. W. Pickett.
Smithville North Carolina	30.10	764.5	30.14	765.5	42.1	5.6	91	nw.	8	3.6	.....	o	o	.....	.....	0.05	1.3	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.84	707.1	29.97	761.2	30.9	— 0.6	76	calm	o	o	.....	.....	10 s	.....	.....	o	o	cloudy	D. Moore.
Springfield, Illinois	29.56	750.8	30.28	769.1	34.0	1.1	78	sw.	4	1.8	.....	o	o	.....	.....	o	o	clear	T. B. Jennings.
Stockton, Fort, Texas	27.03	686.5	30.11	764.8	47.5	8.6	36	se.	25	11.2	.....	.....	10 s	.....	.....	o	o	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.71	754.6	29.81	757.2	45.3	7.4	70	e.	26	11.6	.....	5 ck	o	w.	.....	o	o	fair	R. Connor.
Thomas, Camp, Arizona	27.08	687.8	29.86	758.4	43.2	6.2	76	calm	.....	.....	o	.....	10 s	.....	.....	o	o	cloudy	R. C. Lord.
Toledo, Ohio	29.47	748.5	30.20	767.1	28	— 2.2	77	w.	1	0.4	.....	o	o	.....	.....	o	o	clear	A. Buell.
Unalashka, Alaska	29.30	741.2	29.32	744.7	23	— 5.0	88	nw.	36	16.1	.....	.....	10 n	.....	nw.	0.82	20.8	light snow	Samuel Applegate
Vicksburg, Mississippi	30.07	763 8	30.33	770.4	47	8.3	35	e.	6	2.7	.....	3 c	o	w.	.....	o	o	clear	F. W. Mixer.
Washington, D. C	29.93	760.2	30.05	763.3	37.3	2.9	87	nw.	8	3.6	.....	6 k	2 s	nw.	nw.	0.61	15.5	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.99	660.1	30.06	763.5	26	— 3.3	72	w.	4	1.8	.....	.....	10 s	.....	.....	o	o	cloudy	F. H. Brandenburg.
Wilmington, N Carolina	30.09	764.3	30.15	765.8	43.3	6.3	83	nw.	6	2.7	.....	o	o	.....	.....	0.04	1.0	clear	L. H. Albrecht.
Yankton, Dakota	28.90	734.0	30.29	769.4	24.7	— 4.1	78	e.	3	1.3	.....	6 cs	o	.....	.....	inap.	inap.	fair	E. H. Thompson.
Yuma, Arizona	29.09	754.1	29.84	757.9	54.4	12.4	90	calm	o	o	.....	.....	10 s	.....	sw.	0.11	2.8	cloudy	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.66	753.4	29.68	753.9	31.0	— 0.6	88	sw.	8	3.6	.....	.....	10 n	.....	.....	0.28	7.1	light snow	George Oberuick.
Bluefields, Nicaragua, C.A.	.....	.....	.....	.....	76	24.4	.....	ne.	.....	.....	2	o	9 n	.....	ne.	0.42	10.7	raining	W. H. Jackson.
Bogota, U. S. C.	21.98	558.3	.....	.....	54.5	12.5	86	n.	4	2	.....	.....	7 k	.....	w.	0.020	0.5	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.12	765.0	30.28	769.1	—17	—27.2	100	s.	3	1.3	.....	o	o	.....	.....	0.01	0.3	clear	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.12	765.0	70.0	21.1	78	calm	o	o	.....	o	6 s	.....	e.	0.64	16.3	fair	Robert Johnstone.
Paramaribo, S. A	30.02	762.5	30.03	762.7	75	23.9	89	ne.	.....	.....	3	.....	10 n	e.	e.	1.060	26.9	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.45	748.0	30.01	762.2	77	25.0	84	n.	.....	.....	2	.....	10 ks	s.	c	o	o	cloudy	Francisco J. Olsneres.
Rivas, Nicaragua, C. A	.....	.....	.....	.....	75.2	24.0	84	ne.	.....	.....	2	1 cs	.....	se.	.....	o	o	clear	Earl Flint.
York Factory, B. A	29.79	756.7	29.86	758.4	—29.0	—33.9	.....	sw.	16	7.2	.....	4 k	3 s	sw.	sw.	0.01	0.3	cloudy	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.99	761.8	30.00	762.1	77.0	25.0	82	n.	11.2	5.0	.....	.....	4 k	.....	n.	o	o	fair	P. Fasiani.
Naos, Bay of Panama	29.95	760.8	30.02	762.5	75.2	24.0	81	n.	.....	.....	3	.....	1 ck	.....	n.	o	o	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Assyrian Monarch, N. 40° 52′, W. 35° 08′ †	29.71	754.6	58	14.4		nw.			6		3		nw.	4 h'r	4 h'r	high	nw.	clear.
S. S. Alpin, N. 17° 50′, W. 73° 21′ *†	30.10	764.5	78	25.6		ese.			2				ese.	0	0	sm'h	e.	clear.
S. Armenia, N. 42° 20′, W. 62° 10′ *	29.70	754.4	48	8.9	92	ene.			5		10			6 h'r	6 h'r	mod.		rainy.
S. S. Antonio Lopez, N. 23° 20′, W. 81° 07′	30.17	766.3	72.5	22.5	92	n.			6		8			1 h'r	1 h'r	mod.	n.	squally.
S. S. America, Bremerhaven, Germany			50	10.0	79	sw.			4		4		sw.	0	0			clear.
S. S. Athos, Savanilla, U. S. C						ese.			5		0			0	0			clear.
S. S. Bothnia, N. 44° 39′, W. 41° 25′	29.80	756.9	44	6.7	92	wnw.			6		10		wnw.	8 h'r	8 h'r	long	wnw.	gloomy.
S. S. Britannic, New York, N. Y *†	29.94	760.5	39	3.9		ne.			2		8		nw.	0	0			d. clouds.
S. S. City of Augusta, New York, N. Y †	29.98	761.5				n.			3		10		n.	snow	snow			cloudy.
S. S. Caracas, La Guayra, Venezuela*†	30.01	762.2	75.5	24.2	79	calm			0		0			0	0	mod.	nne.	clear.
S. S. Celtic, N. 48° 40′, W. 27° 06′ †	28.99	736.3			64	nw.			6		6		nnw.	shr's	sh'rs	hv'y	nw.	
S. Dora, N. 36° 25′, W. 58° 16′			67.1	19.5		sw.			3		4		w.	0	0	light	w.	cloudy.
S. S. Canada, (Fr) N. 45° 37′, W. 42° 02′	29.82	757.3	43.7	6.5		nw.			6		10					h'vy	nw.	squally.
S. S. England, N. 50° 51′, W. 15° 02′	29.32	744 7				s.			6		5		s.	6 h'r	6 h'r	h'vy	sw.	fair.
S. S. France, (Br.) N. 49° 46′, W. 6° 45′*†	29.98	761.5				sse.			4		10		s.	0	0	sm'h	s.	cloudy.
Bk, Fred W. Carlon, N. 33° 50′, W. 75° 24′†	30.03	762.7				nw.			7		8		nw.	1 h'r	1 h'r	h'vy	nw.	cloudy.
S. S. Fulda, N. 49° 31′, W. 16° 10′	29.30	744.2	51.8	11.0	94	se.			6		8		se.	13 h'r	13 h'r	h'vy	ese.	cloudy
Bk. Godeffroy, off Absecum Lt, N. J						nnw.			5		10					mod.	ese.	rainy.
S. S. George St. Thomas, N. 26° 53′, W. 63° 12′						se.			1		1		e ;sw	0	0	mod.	e.	clear
S. S. Greece, N. 47° 05′, W. 28° 54′ †	29.14	740.1	47	8.3		nw.			6		9		nw.	0	0	r'gh	cross	squally.
S. S. Habsburg, N. 49° 43′, W. 10° 43′	29.66	753.4				sse.			6		9		ssw.	0	0	long	s.	cloudy.
S. S. Iowa, N. 46° 21′, W. 37° 14′†	29.64	752.8	47	8.3		nw.			5		7		nw.	5 h'r	5 h'r	r'gh	nw.	squally.
Schr. John Bracewell, Boston, Mass†	29.84	757.9	34	1.1		n.			5		10		nne.	4 h'r	4 h'r			light snow.
S. S. Lord Clive, N. 45° 27′, W. 37° 10′						nnw.			6		6		wnw.			high	var.	fair.
S. S. Lampassas, N. 28° 52′, W. 93° 44′			62	16.7		ene.			1		0			0	0	sm'h		clear.
Bg. L. F. Munson, Matanzas, Cuba, W. I*†	30.18	766.6	72	22.2		n.			5		8		nne.	3 h'r	3 h'r			squally.
Bg. Lillian, N. 37° 40′?, W. 74° 00′?†	29.90	759.4	40	4.4		nw.			5		10		nw.	2 h'r	2 h'r	r'gh	e; ne	cloudy.
S. S. New York, N. 32° 16′, W. 79° 15′*†	30.20	767.1	52	11.1		nw.			5		3		nw.			sm'h	nw.	clear.
S. S. Nessmore, Liverpool, Eng			54	12.2	87	w.			5		3		w.	0	0			dull.
Schr. Norena, N. 37° 56′, W. 73° 14′						nw.			5		10		wsw.	10 h'r	10 h'r	high	var	raining.
S. S. Orinoco, N. 37° 32′, W. 70° 54′†	29.89	759.2	48	8.9		w.			3		10		wnw.	3 h'r	3 h'r	r'gh	s	stormy.
Bk. Orpheus, N. 42° 15′, W. 54° 39′ *	29.91	759.7	54	12.2		e.			4		10					sm'h		raining.
S. S. Pavonia, N. 40° 59′, W. 53° 25′	29.93	760.2	64	17.8	94	var.			5		10			18 h'r	18 h'r	sm'h		rainy.
S. S. Pennsylvania, Stag Rocks, Ireland			51	10.6	100	s.			2		10		ese.	1 h'r	1 h'r	h'vy	ssw.	squally.
S. S. Rhaetia, N. 44° 11′, W. 41° 09′			43	6.1		wnw.			5		7		ese.	1 h'r	1 h'r	h'vy	ssw.	squally.
S. S. Salerno, Hull, Eng †	30.07	763.8	44	6.7		wsw.			8		10		wnw.	rain	rain	h'vy	wnw.	squally.
S. S. Silesia, N. 43° 41′, W. 46° 03′						nw.			1		5		wsw.	o.5	13.			raining.
Bg. Teneriffe, N. 33° 56′, W. 75° 30′						nw.			7		10			8 h'r	8 h'r.			stormy.
S. S. Valencia, N. 34° 50′ W. 71° 44′ †	29.98	761.5	60	15.6	82	nw.			6		8		nw.	0	0	5	n.	cloudy.
S. S. Westernland, N. 44° 52′, W. 36° 22′			48	8.9	70	nnw.			8		9		w.	15 h'r	15 h'r	h'vy	var.	clearing.
S. S. W. A. Scholten, N. 42° 39′, W. 52° 34′	29.93	760.2	59.9	15.5	94	ese.			6		8		nnw.	8 h'r	8 h'r	long	nw.	cloudy.
S. S. Zeeland, N. 43° 36′, W. 37° 10′ *†	29.60	751.8	50	10.0		nw.			6		4		var.	0	0	?	w.	hazy.
S. S. Australia, N. 41° 56′, W. 68° 06′†	29.58	751.3	43	6.1		e.			6			nw.		8 h'r	8 h'r	h'vy	nw.	squally.
S. S. Cienfuegos, N. 33° 21′, W. 74° 15′	30.02	762.5	52	11.1		wnw.			3		10			12 h'r	12 h'r	long	sw.	foggy.
S. S. Baltic, N. 47° 55′, W. 28° 37′*†	29.05	737.9				nnw.			3		2?		nnw.	0	0	h'vy	wnw.	cloudy.?
S. S. Chalmette, N. 29° 25′, W. 89° 35′ *†	30.30	769.6	50	10.0		se.			6		8		nw.	rain	rain	r'gh	cross	fair.
S. S. Erin, London, Eng			66	18.9		sse.			3		6		se.	0	0			fair.
S. S. Grecian, N. 48° 33′, W. 33° 55′						nnw.			2		0			0	0			clear.
Schr. James Slater, N. 12° 40′, W. 46° 28′	29.43	747.5	41	5.0	91	e.			6		8		nnw.	2 h'r	2 h'r	high	n.	squally.
Bg. John Wesley, N. 26° 21′, W. 76° 33′			82	27.8		nw.			5		10		ese.	4 h'r	4 h'r	light	ene.	raining.
S. S. Lessing, N. 49° 55′, W. 12° 00′						ssw.			2		10		nw.	4 h'r	4 h'r	mod.	se.	thnd'rst'rm.
S. S. Ohio, (Am) N. 42° 09′, W. 42° 51′ †	29.57	751.1	59	15.0		n.			6		8		s.	0	0	long	s.	cloudy.
Schr. Viola Reppard, N. 36° 00′, W. 68° 55′	30.02	762.5	47.5	8.6	96	sw.			7		10?		nw.	0	0	mod.	nw.	clear.?
Bk. Western Chief, N. 51° 41′, E. 2° 35 *†						sse.			7		10		sw.	0	0		ssw.	cloudy.
S. S. Werra, N. 41° 49′, W. 62° 10′*	30.08	764.0				sw.			4	2 cs.		s.				1	s.	hazy.
U. S. Navy Yard, Portsmouth, N. H*	29.64	752.8	56.3	13.5		nne.			5		10		sw.			mod.	wsw.	rainy.
U. S. S. Galena, Port au Prince, Hayti W. I*	29.79	756.7	33	0.6	89	calm	10	4.5			10		ne.					snowing.
U. S. S. New Hampshire, Newport, R. I	30.07	763.8	77	25.0	77	nne.			0		2		e.			sm'h		fair.
U. S. S. Powhatan, Port Royal, S. C	29.77	756.1	35	1.7		nw.			5		10					sm'h		snowing.
U. S. S. Quinnebaug, Leghorn, Italy	30.22	767.6	45	7.2	92	nne.			3		0							clear.
U. S. S. Saratoga, N. 36° 38′, W. 56° 46′	30.25	768.3	61	16.1	71	sw.			2		0					sm h		clear.
U. S. S. Tennessee, Sacrificios Id. Gulf of Mexico	30.18	766.6	65	18.3	89	wsw.			6		2		sw.	0	0	sm'h		fair.
U. S. S. Yantic, Nassau, Bahama Ids	30.24	768.1	67	19.4	84	nw.			2		0					long	nnw.	clear.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.14	765.5	72	22.2	90	e.			4		?							overcast ?
H. M. S. Alecto, N. 3° 46, E. 8° 47′	30.27	768.8	59	15.0	70	n			2		4	e.						d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.86	758 4	84	28.9		s.			1		3							d. clouds.
H. M. S. Himalaya, N. 36° 30′, E. 14° 02′	30.12	765 0	67	19.4	74	ese.			5		6	ssw.						d. clouds.
H. M. S. Minotaur, Marmaras Bay, Asia Minor	30.20	767.1	63	17.2	83	nnw.			3		6	ene.				2	ene.	d. clouds.
H. M. S. Myrmidon, N. 33° 04′, E. 22° 45′	30.24	768 1	57	13.9	69	ne.			5		2					2	nnw.	misty.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids			59	15.0	59	ne.			3		5					3	ne.	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	30.07	763.7	77.0	25.0	54	s.			4		0			0	0			blue sky
S. S. British Crown, N. 43° 17′, W. 43° 56′†	29.89	759.1	85.6	29.8	to	nw.			4		7		se.	2 h'r	2 h'r	2	se.	d. clouds.
S. S. Circassian, N. 44° 35′, W. 40° 30′	30.03	762.7	41	5.0		wnw.			5		6?		nw.	0	0	mod.	nw.	clear.?
S. S. Polynesian, Halifax, N. S			42	5.6	91	ese.			6		8		wnw.			5	wnw.	d. clouds.
S. S. Scandinavian, N. 42° 46′, W. 67° 00′	29.93	760.2	38	3 3		e.			2		10		se.	2 h'r	2 h'r			snowing.
S. S. Ailsa, N. 27° 57′, W. 74° 04′	29.60	751.8	39	3.9		s.			5		10		e.	3 h'r	3 h'r	con.	var.	misty.
S. S. Alps, N. 37° 38′, W. 73° 08′			74.5	23.6	89	nw.			4		8		ssw.	9 h'r	9 h'r	mod.	ssw.	fair.
S. S. Dorian, Naples, Italy			59	15.0		var.			4		10		nw.			chop	s.	
S. S. Galatia, Marseille, France *†	30.27	768.8				n.			2					0	0			
S. S. California, N. 42° 42′, W. 36° 57′	30.30	769.6	75?	23.9?		nw.			1		0			0	0			clear.
S. S. Labrador, N. 41° 17′, W. 54° 42′			54.3	12.4		w.			7		3		nw.	rain	rain	cross	wnw	clear.
S. S. Bohemia, N. 49° 12′, W. 9° 38′			64.4	18		s.			4		3		w.	½ hr	½ hr	sm'h	w.	rainy.
S. S. Westphalia, N. 46° 00′, W. 34° 54′						n.			6		8		sw.	8 h'r	8 h'r	h'vy	sse.	cloudy.
S. S. Virginian, N. 41° 28′, W. 47° 32′			47	8.3		ssw.			6		3		n.	2 h'r	2 h'r	h'vy	nw.	squally.
S. S. Teniers, N. 30° 55′, W. 17° 40′			58	14.4		sw.			4				ssw.	0	0	mod.	ssw.	gloomy.
S. S. Archimede, (It.) New York, N. Y	29.94	760.5	63.7	17.6	73	n.			4	ck	6 k	w.		2.80	71.1	5	wnw.	d. clouds.
S. S. Picqua, Gibraltar, Mediterranean†						e.			3		8		ne.	18 h'r	18 h'r			cloudy.
S. S. Oregon, Portland, Me	30.10	764 5	58	14.4	94				6					0	0			overcast.
S. S. City of Merida, N. 19° 50′, W. 90° 45′	29.84	757.9				ne.												
S. S. Canada, (Br.) N. 42° 25′, W. 39° 09′			73.4	23		nw.			3		5		ne.	0	0	h'vy	ne.	fine.
S. S. Helvetia, N. 49° 24′, W. 24° 55′			48	8.9		se.			7		9	nnw.	nw.	0	0	h'vy	nnw.	cloudy.
S. S. Hohenstaufen, N. 45° 38′, W. 31° 16′	28.92	734.6	49	9.4		n.			2		4		sw.	1 h'r	1 h'r	mod.	s.	fair.
S. S. Neckar, N. 46° 04′, W. 34° 04′	29.28	743.7	45	7.2		nnw.			8		5		nnw.	4 h'r	4 h'r	h'vy	nnw.	rain & hail.
S. S. Rhein, N. 46° 31′, W. 26° 33′	29.56	750.8	49.1	9.5	61	nw.			6		5		n;nw.	rain	rain	r'gh	nw;n	squally.
S. S. Muriel, off Barnegat, N. J	29.05	737.9				n.			10		6		nw.	6 h'r	6 h'r	r'gh	nw.	stormy.
S. S. Belgenland, Sandy Hook, N. J			50?	10.0?		n.			5		10			3 h'r	3 h'r	long	e.	snowing.
S. S. Pennland, N. 44° 25′, W. 31° 15′						wnw.			4					n.	0	mod.	n.	overcast
S. S. Waesland, N. 40° 36′, W. 70° 00′			46	7.8		nne.			6		6		wnw.	12 h'r	12 h'r	high	nnw.	squally.
S. S. Amsterdam, New York, N. Y*	29.67	753.6	38	3.3		se.			5		10		ne.	20 h'r	20 h'r	mod.	se.	cloudy.
S. S. P. Caland, N. 40° 05′, W. 57° 43′	29.93	760.2				sw.			3		6		s.	5 h'r	5 h'r			cloudy.
S. S. Zaandam, N. 48° 30′, W. 27° 02′*			67.6?	19.8?	92	nnw.			6		8		w.	0	0	6	wsw.	
S. S. Maasdam, N. 49° 05′, W. 27° 50′	28.92	734.6	50.2	10.1	91	nw.			7		9		n.	3 h'r	3 h'r	h'vy	n.	rainy.
S. S. State of Nebraska, N. 45° 58′, W. 39° 10′ *†			53	11.7	90	nw.			8		6		n.	3½ hr	3½ hr	8	nnw.	cloudy.
	29.66	753.4	42	5.6		nw.			6		5		nw.			con.	w.	rain squalls

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
S. S. State of Nevada, Glasgow, Scotland *†	29.84	757.9	50	10.0	.....	se.	.....	.....	5	.....	10	.....	se.	7 h'r	7 h'r	.....	.....	rainy.
S. S. Saxon, Boston, Mass*†	29.79	756.7	36	2.2	.....	nne.	.....	.....	2	.....	10	.....	.....	snow	snow	.....	.....	light snow.
S. S. Republic, N. 40° 44′, W. 68° 35′†	29.62	752.3	50	10.0	.....	s.	.....	.....	4	.....	10	.....	.....	20 h'r	20 h'r	long	w.	foggy.
S. S. Marengo, N. 48° 50′, W. 14° 25′	.....	.....	53	11.7	.....	sse.	.....	.....	7	.....	4	.....	s.	1 h'r	1 h'r	cross	var.	squally.
Schr. Arthur Burton, N. 24° 06′, W. 66° 43′†	30.17	756.3	.....	.....	.....	ese.	.....	.....	2	.....	1	.....	ese.	0	0	chop	ese.	fine.
Bg. Abbie Clifford, N 37° 10′, W. 60° 58′†	30.10	764.5	67	19.4	.....	ssw.	.....	.....	6	.....	5†	.....	sw.	.....	.....	rg'h	sw;w	cloudy†
Bgt Achsah, Port of Spain, Trinidad, W.I†	30.03	762.7	78	25.6	.....	e.	.....	.....	2	.....	1	.....	e.	½ h'r	½ h'r	.....	.....	clear.
S. Annie, N. 22° 18′, W. 57° 21′*....	30.13	765.3	.....	.....	.....	ene.	.....	.....	5	.....	4	.....	ene.	½ h'r	½ h'r	mod.	ene.	clear.
Schr. Abbie H. Gheen, Springwood Mills, S.C *†	30.19	766.8	50	10.0	.....	nw.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 25° 30′, W. 21° 25′*†	30.08	764.0	66	18.9	.....	w.	.....	.....	4	.....	2	.....	n.	1 h'r	1 h'r	long	n.	clear
Bk. Achille F., N. 8° —′, W. 38° —′ *†	30.01	762.2	78	25.6	84	ene.	.....	.....	5	.....	3	.....	nne.	0	0	mod.	var.	clear.
Bk. Bore, N 33° 50′, W. 16° 38 *†	29.73	755.1	65	18.3	.....	sw.	.....	.....	5	.....	4	.....	sw.	1 h'r	1 h'r	long	nw.	hazy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	29.99	761.7	77	25.0	.....	ne.	.....	.....	4	.....	10	.....	ne.	3 h'r	3 h'r	.....	.....	cloudy
Bk. Cato, Oporto, Portugal †	29.95	760.7	57	13.9	87	ssw.	.....	.....	5	.....	.....	.....	.....	5 h'r	5 h'r	.....	.....	cloudy.
S. David Stewart, N. 13° 41′, W. 66° 39′	.....	.....	78	25.6	.....	ene.	.....	.....	3	.....	8	.....	ene.	0	0	mod.	n.	squally.
Schr. Edith R. Seward, Orchilla Island, Venezuela†...	30.09	764.3	79	26.1	.....	ene.	.....	.....	3	.....	5	.....	ene.	0	0	.....	.....	fair.
Bk. Esmeralda, N. 58° 21′. E. 8° 02′..	30.17	766.3	.....	.....	.....	sw.	.....	.....	3	.....	8	.....	nw.	0	0	mod.	sw.	hazy.
U. S. Fish Com. S.S Fish Hawk, Hampton Roads, Va	.....	.....	.....	.....	.....	w.	.....	.....	1	.....	0†	.....	.....	0.02	0.5	.....	.....	rain & fog.
S. Frank N. Thayer, N. 4° 14′. W. 27° 22′*†	29.99	761.7	81.5	27.5	78	nne.	.....	.....	4	.....	7	s.	nne.	0	0	light	.....	
Bg. George, Arroyo, Porto Rico, W. I*†	30.09	764.3	.....	.....	.....	ene.	.....	.....	2	.....	10	.....	ese.	0	0	mod.	e.	cloudy.
S. Grecian, N. 0° 38′, W. 35° 50′	.....	.....	78	25.6	95	calm	.....	.....	0	.....	8	.....	ne.	1 h'r	1 h'r	mod.	ne.	fair.
Bk. Galeon, N. 31° 43′, W. 15° 40′	.....	.....	64	17.8	.....	sw.	.....	.....	3	.....	2	.....	sw.	4 h'r	4 h'r	.....	nnw.	blue sky.
S. Gatherer, N. 8° 02′, W. 30° 30′	.....	.....	79	26.1	86	e.	.....	.....	4	.....	3	.....	e.	0	0	.....	e.	hazy.
Bk. Heinrich & Tonio, N. 41° 41′, W. 22° 34′*†	29.16	740.7	53.5	11.9	80	wsw.	.....	.....	3	.....	2	.....	wsw.	0	0	.....	.....	clear.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	.....	.....	78	25.6	.....	ne.	.....	.....	5	.....	6	.....	ne.	0	0	.....	.....	
S. Henry Failing, N. 3° 37′, W. 36° 22′*†	29.91	760.5	85	29.4	79	n.	.....	.....	4	.....	4	.....	ne.	2 h'r	2 h'r	mod.	ne.	clear.
Schr. Jennie N. Huddell, Wilmington, N.C †	30.12	765.0	40	7.8	.....	nw.	.....	.....	3	.....	0	.....	.....	6 h'r	6 h'r	.....	.....	clear.
Bg. John Welsh, jr., Barbadoes, W. I	.....	.....	.....	.....	.....	ene.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.10	764.5	.....	.....	.....	n.	.....	.....	1	.....	0	.....	.....	3 h'r	3 h'r	.....	.....	clear.
Schr. Jenny Greenbank, Orinoco river, Venezuela*..	29.96	761.0	76	24.4	.....	e.	.....	.....	2	.....	3	.....	ne.	0	0	.....	.....	clear.
Light-house tender Laurel, off Fowey Rocks, Fla †....	30.15	765.8	77	25.0	.....	nnw.	.....	.....	3–4	.....	8	.....	nnw.	0	0	.....	.....	cloudy.
S. S. Madrid, N 38° 42′, E. 0° 56′	.....	.....	58	14.4	81	ese.	.....	.....	2	.....	4	.....	ssw.	0	0	sm'h	.....	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W I*†	30.05	763.3	.....	.....	.....	.....	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Nellie T. Morse, Pensacola, Fla	.....	.....	71†	21.7†	.....	nnw.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Rosina, N. 37° 57′, W. 41° 37′	30.17	766.3	61	16.1	.....	nw.	.....	.....	6	.....	8	.....	nw.	0	0	large	n.	gloomy.
Bk. Sunbeam, Lisbon, Portugal†	29.96	761.0	62	16.7	83	s.	.....	.....	6	.....	6	.....	s.	0	0	.....	.....	fair.
S. Stephen D. Horton, N. 50° 34′, W. 0° 20′ †	30.11	764.8	.....	.....	.....	se.	.....	.....	3	.....	3	.....	s.	0	0	mod.	w.	fine
S. Tsemogora, N. 39° 40′, W. 32° 15′†....	29.60	751.8	.....	.....	.....	nw.	.....	.....	5	.....	5	.....	nw.	hail	hail	h'vy	var.	
Bk. Tros, N. 29° 23′, W 26° 31′ *†	30.04	763.0	66	18.9	.....	wsw.	.....	.....	5	.....	4	.....	nw.	0	0	long	nw.	fair.
S. Vincenzo Accame, N. 39° 25′, E. 6° 14′†....	30.33	770.3	60.8	16	.....	e.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
District No. 2—South Atlantic.																		
H. M. S. Amethyst, Stanley, Falkland Islands	29.10	739.1	46	7.8	84	wsw.	.....	.....	6–7	.....	2	.....	sw.	.....	.....	2	wsw.	squally.
H. M. S. Boadicea, Cabinda, Guinea	29.90	759.4	80	26.7	87	wsw.	.....	.....	1	.....	2	.....	wsw.	.....	.....	.....	.....	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	29.94	760.5	68	20.0	90	w.	.....	.....	1	.....	6	.....	wsw.	.....	.....	.....	.....	showery.
H. M. S. Sylvia, Montevideo, Uruguay	29.91	759.7	75	23.9	90	s.	.....	.....	2	.....	7	.....	sw.	.....	.....	.....	.....	d. clouds.
H. P. M. S Rainha de Portugal, Mossamedes, Benguela..	29.87	758.6	71.6	22.0	70	wnw.	.....	.....	5	.....	2	.....	.....	0	0	2	.....	blue sky.
S. S. Archimedes, (Br.) S. 8° 20′, W. 33° 16′	29.99	761.7	.....	.....	.....	ese.	.....	.....	1–2	.....	2	.....	calm	2 h'r	2 h'r	sm'h	.....	flue.
S. S. Hevelius, Rio de Janeiro, Brazil*†	30.20	767.1	81	27.2	.....	ese.	.....	.....	2	.....	7†	.....	ne.	0	0	sm'h	.....	clear.†
Bk. Horace Scudder, Mayumba, Guinea *†	30.00	762.0	86	30.0	.....	sw.	.....	.....	2	.....	5	.....	ssw.	0	0	.....	.....	blue sky.
S. Ismir, S. 24° 26′, W. 26° 40′ *†	30.00	762.0	.....	.....	.....	e.	.....	.....	5	.....	3	.....	e.	rain	rain	mod.	ssw.	flue.
Bkt. Levanter, S. 33° 15′, W. 44° 23′ *..	30.06	763.5	76	24.4	.....	nnw.	.....	.....	4	.....	9	.....	nnw.	0	0	mod.	nnw.	cloudy.
S. S. Mendoza, S. 16° 34′, W. 34° 25′†....	30.10	764.5	.....	.....	.....	e.	.....	.....	2	.....	.....	.....	e.	0	0	sm'h	ene.	clear.
U. S. S. Nipsic, Montevideo, Uruguay *	29.89	759.2	75	23.9	90	se.	.....	.....	2	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.07	763.8	42.5	5.8	38	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Essex, N. 28° 34′, E. 124° 41′	30.01	762.2	61	16.1	94	ese.	.....	.....	4	.....	5	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Juniata, Roze Island, Corea	30.02	762.5	46	7.8	84	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	hazy.
U. S. S. Palos, Woosung, China	29.87	758.7	55	12.8	100	se.	.....	.....	3	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
U. S. S. Ranger, Estero Real, Nicaragua	30.05	763.3	77	25.0	81	calm	.....	.....	0	.....	5†	.....	.....	0	0	.....	.....	clear.†
H. M. S. Audacious, Hong Kong, China	29.88	758.9	68	20.0	95	ene.	.....	.....	2	.....	7	ene.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Cleopatra, N. 22° 03′, E. 117° 24′	29.98	761.5	65	18.3	.....	e.	.....	.....	1	.....	.....	.....	.....	.....	.....	2	.....	d. clouds.
H. M. S. Champion, Shanghai, China	29.82	757.4	62†	16.7†	83	s.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	29.97	761.2	60.4	15.8	90	ssw.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	misty.
H. M. S. Magpie, N. 2° 00′, E. 102° 22′	29.86	758.4	84.0	28.9	81	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....	misty.
H. P. M. S. Tamega, Macao, China	29.96	761.0	68.0	20	90	ese.	.....	.....	3	.....	9	.....	.....	0	0	.....	.....	d. clouds.
U. S. S. Monocacy, Canton, China	29.91	759.7	71	21.7	85	se.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
S. S. Newbern, Muzatlan, Mexico	.....	.....	70	21.1	75	sw.	.....	.....	3	.....	1	.....	sw.	0	0	sm'h	wnw.	clear.
S. S. City of Chester, Eureka, Cal†	29.79	756.7	49	9.4	93	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	
S. S. Oregon, San Francisco, Cal†	29.80	756.9	54	12.2	80	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. Alameda, San Francisco, Cal †	29.76	755.9	53	11.7	86	se.	.....	.....	4	.....	10	.....	.....	18 h'r	18 h'r	.....	.....	overcast.
S. S. Ancon, San Francisco, Cal†	29.73	755.1	55	12.8	93	ne.	.....	.....	2	.....	5	.....	e.	0	0	.....	.....	fair.
S. S. Geo. W. Elder, San Francisco, Cal	.....	.....	55	12.8	93	calm	.....	.....	0	.....	4	.....	.....	0	0	.....	.....	fair.
S. S. State of California, San Francisco, Cal †.....	29.75	755.6	55	12.8	93	nw.	.....	.....	2	.....	8	.....	nw.	.....	.....	.....	.....	cloudy
S. S. City of Pekin, Yokohama, Japan†	30.10	764.5	45	7.2	61	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. City of Rio de Janeiro, Honolulu, Sandwich Idst	30.07	763.8	73	22.8	.....	ne.	.....	.....	3	.....	.....	.....	sw.	.....	.....	small	s.	cloudy.
S. S. City of Tokio, N. 35° 05′, E. 156° 52′†	29.91	759.7	56	13.3	75	nw.	.....	.....	5	.....	2	.....	sw.	.....	.....	mod.	sw.	clear.
S. S. Colima, N. 21° 59′, W. 106° 12′ †	30.03	762.7	69	20.6	85	nw.	.....	.....	2	.....	3	.....	nw.	0	0	small	nw.	clear.
S. S. Granada, Acajutla, San Salvador†	30.00	762.0	78	25.6	86	e.	.....	.....	2	.....	2	.....	se.	0	0	light	.....	clear.
S. S. San Jose, N. 11° 19′, W. 87° 34′	.....	.....	79	26.1	.....	nne.	.....	.....	6	.....	3	.....	nw.	0	0	mod	ene.	clear.
S. S. Zealandia, N. 14° 00′, W. 166° 38′	29.92	760.0	78	25.6	86	e.	.....	.....	4	.....	10	.....	e.	.....	.....	mod.	e.	overcast.
S. S. Oceanic, N. 34° 45′, W. 154° 25′	30.25	768.3	57	13.9	69	w.	.....	.....	4	.....	4	.....	w	0	0	4	w.	clear.
District No. 4—South Pacific.																		
U. S. S. Pinta, S 50° 17′, W. 74° 53′	29.39	746.5	50	10.0	93	nw.	.....	.....	8	.....	10	.....	nw.	.....	.....	.....	.....	rain & fog.
U. S. S. Wachusetts, Valparaiso, Chili	29.97	761.2	60	15.6	82	se	.....	.....	1	.....	0	.....	.....	.....	.....	long	se.	clear.
H. M. S. Espiegle, S. 36° 50′, E. 174° 49′	30.00	762.0	62	16.7	88	ne.	.....	.....	2	.....	7	.....	.....	.....	.....	.....	.....	showery
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.00	762.0	62.3	16.8	81	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	.....	showery.
H. M. S. Mutine, S. 15° 37′, W. 77° 00	30.00	762.0	72	22.2	.....	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	2	sse.	overcast.
S. S. Sappho, S. 12° 04′, W. 77° 10′	29.94	760.5	75	23.9	81	se.	.....	.....	1	.....	5	sse.	.....	.....	.....	.....	.....	d. clouds
S. S. City of Sydney, Sydney, N.S.W.*†	30.09	764.3	69	20.6	75	e.	.....	.....	1	.....	1 k	.....	e.	.....	.....	.....	.....	clear.
S. S. Port Phillip, S. 9° 37′, E. 153° 27′	29.81	757.2	93	33.9	04	ese.	.....	.....	2	.....	.....	.....	.....	.....	.....	sm'h	e.	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 14° 20′, E. 51° 10′	29.98	761.5	85	29.4	72	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	ene.	clear.
H.M. S. Tourmaline, off Zanzibar, Zanzibar	29.88	758.9	86	30.0	68	nne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 27° 14′, E. 79° 17′*..	30.01	762.2	.....	.....	.....	nnw	.....	.....	2	.....	5	.....	nw.	0	0	sm'h	.....	fair.

International Chart I. March 15, 1884. Isobars and Isotherms.

UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

64714

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 16, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	30.05	763.3	69.1	20.6	78	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	30.18	766.6	64.4	18.0	71	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear	Thève.
La Calle	.....	.....	30.25	768 4	66.2	19.0	81	s.	.....	.....	4	.....	4	.....	.....	0	0	cloudy	Fonfrède.
Tunis	.....	.....	30.30	769.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Gerrville	.....	.....	30.17	766.4	54.0	12.2	89	se.	.....	.....	4	.....	3	.....	.....	0	0	pretty fair	Forfert.
Laghouat	.....	.....	30.25	768.3	63.0	17.2	.....	e.	.....	.....	1	.....	4	.....	.....	0	0	cloudy	Abraham.
Biskra	.....	.....	30.22	767.5	65.8	18.8	70	w.	.....	.....	1	.....	6	.....	.....	0.118	3.0	cloudy	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.35	770.9	58.0	14.4	54	sse.	6	2.7	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.30	769.6	30.49	774.4	47	8.3	71	sw.	5	2.2	.....	.....	1	.....	w.	0.01	0.3	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.34	770.6	30.43	772.9	49.2	9.6	73	sse.	14	6.3	.....	.....	0	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.89	759.2	30.45	773.5	52.2	11.2	33	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.61	752.0	30.40	772.2	42.8	6.0	63	e.	0.7	0.3	.....	.....	0	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.55	750.6	30.46	773.7	43.7	6.5	45	s.	.....	.....	3	.....	0	.....	.....	0	0	.....	Julius Mikolik.
Gratz	29.10	739 0	30.37	771.5	49.6	9.8	60	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.99	736 3	30.48	774.1	42.8	6.0	52	ese.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.91	731.4	30.28	769.1	48.0	8.9	73	ene.	.....	.....	2	.....	0	.....	.....	0	0	clear	The Staff.
Lemberg	29.50	749.2	30.54	775.8	33.8	1.0	73	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	30.23	767.9	30.35	770.8	61.0	16.1	55	s.	.....	.....	3	.....	0	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.97	761.2	30.45	773.3	47.5	8.6	40	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	30.15	765.8	30.44	773.1	48.9	9.4	48	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.26	768.5	30.35	771.0	62.4	16.9	40	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.68	753.9	30.42	772 7	47.3	8.5	54	se.	.....	.....	3	.....	0	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.79	731.3	30.15	765.9	64.2	17.9	46	sse.	.....	.....	1	.....	0	.....	.....	0	0	.....	
Brussels	29.95	760.8	30.15	765.8	64.6	18.1	39	ssw.	.....	.....	3	.....	0	.....	.....	0	0	.....	
Furnes	30.09	764.3	30.11	764.8	62.4	16.9	61	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	
Maeseyck	30.08	763.9	30.20	767.1	70.6	21.1	44	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.89	759.2	29.99	761.7	49.5	9.7	86	sse.	11	4.9	.....	.....	5	.....	.....	0	0	misty	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.93	760.2	60.1	15.6	64	se.	18	8.0	.....	.....	7	.....	.....	.....	.....	d. clouds	John Harnup.
Bolton, Sharples	29.40	746.7	29.93	760.2	62.4	16.9	59	se.	6	2.7	.....	.....	2	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.60	751.8	30.00	762.0	55.7	13.2	79	s.	.....	.....	1	.....	4	.....	.....	0	0	d. clouds	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.99	761.7	30.02	762.5	78	25.6	78	ne.	.....	.....	3	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	63.0	17.3	83	sw.	.....	.....	1.0	.....	3	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E.	29.90	759.4	30.08	764.0	64.0	17.8	59	sw.	.....	.....	1	.....	3	.....	.....	.....	.....	misty	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.68	753.9	29.85	758.2	53.0	11.7	83	e.	.....	.....	2	.....	4	.....	.....	.....	.....	misty	The Staff.
Fort Napier, Natal	27.50	698.5	29.81	757.2	80.8	27.1	76	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	.....	.....	0	0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.63	752.6	29.66	753 4	57	13.9	69	se.	.....	.....	4	.....	10	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.787	756.47	29.837	757.77	62.5	16.9	92	e.	.....	.....	5	.....	0	.....	.....	.....	.....	blue sky	The Staff.
Guernsey	29.89	759.2	30.06	763.5	66.2	19.0	50	s.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	A. Collenette, F.R.M.S
Kew, Observatory	29.70	754 4	30.00	762.0	56.0	13.3	66	sse.	.....	.....	3	.....	0	.....	.....	.....	.....	hazy	The Staff.
Leicester, Museum	30.02	762.5	30.06	763.5	03.2	17.3	60	s.	12	5.4	.....	.....	1	.....	.....	.....	.....	blue sky	J. C. Smith.
Malta, Mediterranean	29.82	757.4	30.07	763.8	60.5	19.2	52	s.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....
Nassau, Bahamas	30.14	765.5	30.21	767.3	58.0	14.8	85	ne.	.....	.....	3	.....	8	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Oxford, Radcliffe Obs'y	30.15	765.8	30.20	767.1	72.0	22.2	76	ne.	.....	.....	3	.....	5	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Plymouth	29.80	756.9	30.03	762.7	62.1	16.7	57	sse.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky	The Staff.
Sandwick Manse, Orkneys	29.85	758.2	29.92	760.0	58.0	14.4	70	se.	.....	.....	4	.....	0	.....	.....	.....	.....	blue sky	John Merrifield.
Scutari Cemetery, Turkey	29.81	757.2	29.91	759.7	53.2	11.8	78	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Sheffield	30.24	768.1	30.31	769.9	41.0	5.0	80	ne	.....	.....	2	.....	10	.....	.....	.....	.....	raining	W. H. Lyne.
Silloth Rectory	29.72	754.9	29.99	761.7	65.7	18.7	47	ssw.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	W. F. Cooper.
Stonyhurst, Observatory	29.90	759.4	29.93	760.2	61.8	16.6	78	se.	.....	.....	1	.....	5	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Strathfield Turgiss	.....	.....	29.99	761.7	62.0	16.7	51	se.	18	8.0	.....	.....	5	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Valencia, Observatory	.....	.....	.....	.....	65.5	18.6	61	s.	.....	.....	2.5	.....	0	.....	.....	.....	.....	blue sky	Rev. C. H. Griffiths, F.M.S
Sub-series.	29.56	750.8	29.58	751.3	55.8	13.2	75	se.	46	20.6	.....	.....	10	.....	.....	blank	blank	misty	The Met'gl Office.
Gozo, Episcopal Seminary	29.89	759.2	30.28	769.1	60.1	15.6	69	e.	4.3	1.9	.....	0	7 n	.....	e.	0	0	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.80	756.9	29.92	760.0	68.1	20.1	98	ene.	10	4.5	.....	.....	10 k	.....	.....	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B.	29.94	760.5	29.98	761.5	15.0	— 9.4	.....	calm	0	0	.....	0	2 n	.....	.....	0	0	blue sky	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.83	757.7	29.88	758.9	17	— 8.3	86	nw.	10	4.5	.....	.....	10 s	.....	.....	0.320	8.1	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.90	759.4	29.97	761.2	13	—10.6	91	w.	4	1.8	.....	2 k	8 ks	n.	w.	0.09	2.3	cloudy	G. A. Blair.
Cornwall, Ontario	29.91	759 7	30.12	765.0	17.9	— 7.8	92	w.	.....	.....	1	2 cs	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Father Point, Quebec*	29.94	760.5	30.00	762.0	11.0	—11.7	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Fort Garry, Manitoba*	30.02	762.5	30.04	763.0	— 8	—22.2	100	s.	2	0.9	.....	0	2 s	.....	.....	0	0	clear	J. McWilliams
Fredericton, N. B	28.95	735.3	29.84	757.9	15	— 9.4	100	s.	16	7.2	.....	0	5 ks	.....	sw.	0	0	fair	James Stewart.
Grand Manan, N. B	29.90	761 0	30.03	762.7	10.1	—12.2	77	nw.	9	4.0	.....	0	0	.....	.....	0.130	3.3	blue sky	Dr. Thos. Harrison.
Granton, Ontario	29.97	761.2	30.03	762.7	20	— 6.7	84	n.	6	2.7	.....	0	5 s	.....	.....	0.43	10.9	fair	J. Chipman Seeley
Halifax, N. S*	29.18	741.2	30.39	771.9	11.6	—11.3	96	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Hamilton, Ontario	29.82	757.4	29.96	761 0	20	— 6.7	96	W.	7	3.1	.....	0	0	.....	.....	0.270	6.9	clear	A. Allison.
Kingston, Ontario*	29.74	755.4	30.18	766.6	18.9	— 7.3	86	sw.	.....	.....	2	0	0	.....	.....	0	0	blue sky	Geo. Dickson, B. A.
Little Glace Bay, N. S	29.82	757.4	30.18	766.6	22	— 5.6	80	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A.
London, Ontario	29.68	753.9	29.72	754.9	26.5	— 3.1	82	n.	3	1.3	.....	.....	10 s	.....	.....	0.400	10.2	overcast	C. H. Rigby.
Medicine Hat, N. W. T	29.42	747.3	30.40	772.1	15.8	— 9.0	81	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Minnedosa, N. W. T	27 66	702.6	30.13	765.3	10	—12.2	90	s.	1	0.4	.....	0	0	.....	.....	0	0	clear	John Ewart.
Montreal, Quebec*	27.88	708.1	29.95	760.7	12	—11.1	91	nw.	9	4.0	.....	2 cs	2 ks	nw.	nw.	0.01	0.3	fair	Rev. J. M. Wellwood.
Ottawa, Ontario	29.92	760.0	30.14	765 5	18	— 7.8	73	n.	8	3.6	.....	0	0	.....	.....	0	0	clear	C. H. McLeod, C. E.
Parry Sound, Ontario*	29.90	759.4	30.15	765.8	7.8	—13.4	91	wsw.	.....	.....	0	0	2 s	.....	.....	0	0	d. clouds	A. McGill, M. A.
Peterboro, Ontario	29.52	749.8	30.27	768.8	18	— 7.8	83	W.	6	2.7	.....	.....	10 n	.....	n.	0.10	2.5	cloudy	Rev. R. Mosley.
Port Arthur	29.42	747.3	30.22	767.6	18.5	— 7.5	80	W.	.....	.....	1	2 c	0	W.	.....	0.29	7.4	blue sky	Wm. O'Connor, M.A.
Port Dover, Ontario	29.32	744.7	30.08	764.0	14	—10.0	91	calm	0	0	.....	0	fg.	.....	.....	0	0	light fog	W. P. Cooke.
Port Stanley, Ontario	29.61	752.1	30.36	771.1	19	— 7.2	100	W.	10	4.5	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Qu Appelle, N. W. T	29.68	753.9	30.38	771.6	14	—10.0	91	W.	4	1.8	.....	0	0	.....	.....	0.10	2.5	clear	M. Payne.
Quebec, Quebec*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Rockliffe, Ontario*	29.69	754.1	30.08	764.0	4	—15.6	83	sw.	6	2.7	.....	5 c	0	sw.	.....	0	0	fair	Capt. Asne, R. N.
St. Andrews, N. B	29.73	755.1	30.25	768.3	4	—15.6	96	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre
St. John, N. B	29.95	760.7	30.00	762.0	14	—10.0	84	nw.	3	1.3	.....	0	0	.....	.....	0.75	19.0	clear	
St. Pierre, N. F	29.83	757 7	29.98	761 5	15.7	— 9.1	87	w.	12	5.4	.....	0	0	.....	.....	0.400	10.2	blue sky	G. Hutchinson.
Saugeen, Ontario	.....	.....	29.37	746.0	23.0	— 5.0	.....	ne.	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Stratford, Ontario	29.55	750.6	30.32	770.1	18	— 7.8	91	W.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	
	29.00	736.6	30.39	771.9	14.1	— 9.9	78	W	2	0.9	.....	0	0	.....	.....	0.100	2.5	blue sky	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	29.62	752.3	29.69	754.1	27	— 2.8	88	w.	2	0.9	.....	.....	10 s	.....	.....	0.44	11.2	cloudy	T. C. Hill, C.E.
Toronto, Ontario*	29.91	759.7	30.33	770.4	18	— 7.8	96	nw.	10	4.8	.....	0	0	.....	.....	0.01	0.3	clear	**Magnetic Observatory.**
Woodstock, Ontario	29.21	741.9	30.38	771.6	14.7	— 9.6	83	w.	6	2.7	.....	0	0	.....	.....	0.025	0.6	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.94	760.5	30.02	762.5	27	— 2.8	80	nw.	10	4.5	.....	2 CK	0	.....	.....	0.17	4.3	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt. House	30.05	763.3	30.08	764.0	65.0	18.3	100	sw.	.....	.....	.....	.....	10	.....	.....	.....	.....	heavy rain	I. Garfelt.
Cape Town, The Castle	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Capt. R. Gardner Warton**
Springbok Fontein	27.93	709.4	.....	.....	74	23.3	61	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Rustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	63.0	17.2	72	sw.	.....	.....	1	0	.....	.....	.....	0.157	4.0	clear	Rafael Moreno.
Niebla	29.51	749.5	29.61	752.2	51.4	10.8	90	e.	.....	.....	1	.....	7	.....	nw.	0.480	12.2	drizzling	**Leon Herrera.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Federico Köhling.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Quiriquina	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Valparaiso	29.83	757 7	29.97	761.3	59.0	15.0	89	s.	.....	.....	1	0	0	.....	.....	.....	.....	clear	Paez-i-Ampuero.
CHINESE (*sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.06	763.5	30.08	764.1	46.4	8.0	89	nne.	12.3	5.5	.....	.....	10 n	.....	.....	0.492	12.5	raining	M. Marc Dechevrens, S. J
DANISH.																			
Copenhagen	30.19	766 9	30.24	768.1	46.8	8.2	83	s.	11	5	.....	.....	0	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	30.17	766.4	30.19	766.9	51.3	10.7	82	s.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	Overloerer Lauridsen.
Godthaab, Greenland	29.55	750.6	29.60	751.7	10.8	—11.8	82	ene.	.....	.....	4	.....	1	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Gree land	29.42	747.2	29.44	747.7	9.5	—12.5	.....	calm	.....	.....	0	.....	3	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.26	743.1	29.30	744.2	41.0	5.0	89	se.	.....	.....	6	.....	10	.....	.....	.....	.....	raining	A. O. Thorlacius.
Thorshavn	29.80	756.8	29.82	757.4	49.3	9.6	91	s.	9	4	.....	.....	10	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	29.90	759.5	29.95	760.7	—18.2	—27.9	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	
Vestervig	30.10	764 5	30.19	766.8	50.9	10.5	88	w.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.94	760.4	.....	.....	63.7	17.6	.....	sw.	4.0	1.8	.....	.....	6 k	.....	.....	0	0	.....	Albert Ismalun, **Dir.**
FRENCH.																			
Agen, Normal School	29.49	749.1	30.14	765.6	58.6	14.8	50	se.	.....	.....	4	.....	1	.....	.....	0	0	.....	M. Labroue, Director.
Alençon, Normal School	29.50	749.2	30.05	763 2	51.1	10.6	77	s.	.....	.....	1	.....	1	.....	n.	0	0	clear	M. Nicot, Director.
Arras, Normal School	29.84	757.9	30.08	763.9	63.5	17.6	82	e.	.....	.....	1	.....	5	.....	.....	0.004	0.1	cloudy	**M. Ungerer, Director.**
Avignon, Normal School	30.22	767.5	30.30	769 5	66.2	19.	41	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.59	751.6	30.13	765.4	66.7	19.3	38	s.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Saillard, **Director.**
Beauvais, Normal School	29.86	758.5	30.13	765 3	60.4	15.8	41	ese.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Frère Eugène Marie.
Besançon, Normal School	29.30	744.1	30.19	766.8	67.5	19.7	42	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Gobin, Director.
Bordeaux, Observatory	29.79	756.7	30.05	763.2	62.8	17.1	62	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Rayet, Director.
Bourges, Normal School	29.55	750.6	30.09	764.2	70.7	21.5	41	e.	.....	.....	1	.....	1	.....	e	0	0	clear	M. **Sauvageot, Director.**
Brest, Naval Observatory	29.70	754.4	29.95	760 6	62.6	17.0	67	s.	.....	.....	2	.....	1	.....	s.	0	0	.....	M. de Kermarec, Dir.
Caen, Normal School	29.97	761.2	30.04	763.0	65.5	18.6	92	s.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Berson, Director.
Châlons-sur-Marne, N. Sch'	29.90	759.4	30.21	767.4	68.2	20.1	57	sse.	.....	.....	2	.....	0	.....	.....	0	0	clear	M. Jadot, Director.
Charleville, Normal School	29.61	752.2	30.12	765.0	66.9	19.4	55	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. **Noël, Director.**
Clermont-Ferrand Obs'y	28.78	730.9	30.10	764 5	68.0	20.0	12	s	.....	.....	4	.....	0	.....	.....	0	0	.....	M. Alluard, Director.
Cluny, Normal School	29.36	745.8	30.28	769.0	63.3	17.4	38	sse.	.....	.....	.....	.....	0	.....	.....	0	0	.....	M. de Villemontée, **Dir.**
Commercy, Normal School	29.35	745.5	30.23	767 8	61.2	16.2	50	se.	.....	.....	2	.....	0	.....	.....	0	0	clear	Dr. Coulet, Director.
Gap, Normal School	27.73	704.3	30.25	768.3	62.1	16.7	26	s.	.....	.....	1	.....	1	.....	.....	0	0	.....	M. Jarach, Director.
Grénasque, du Rhone	29.15	740.3	30.26	768 5	66.2	19.0	28	s.	.....	.....	2	.....	1	.....	s.	0	0	.....	M. Kina, Director.
Grenoble. Normal School	29.43	747.6	30.19	766 8	65.1	18.4	59	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Ablard, Director.
Guéret, Normal School	28.53	724.6	30.10	764.4	57.2	14	57	se	.....	.....	1	.....	0	.....	.....	0.543	13.8	clear	M. Delorme, Dir.
Lambal e Normal School	29.68	753.9	29.96	760.9	57.9	14.4	75	se.	.....	.....	1	c	.....	.....	se.	0	0	.....	**M. Polipre, Dir.**
Lescar, Normal School	29.48	748.8	30.03	762.8	68.4	20.2	33	e.	.....	.....	1	.....	8	.....	.....	0	0	.....	M. Chauvin, Director.
Lorient, Naval Observatory	29.90	759.4	30.00	762 0	59.4	15.2	66	se.	.....	.....	4	.....	2	.....	se.	0	0	¼ covered	**L. T. Carre,** Director.
Lyon, St. Genis-Laval	29.15	740.3	30.19	766.8	65.3	18.5	28	s.	.....	.....	2	.....	0	.....	.....	0	0	clear	M. André, Director.
Mans, Normal School	29.78	756.5	30.09	764.2	59.0	15.	56	s.	.....	.....	4	.....	0	.....	.....	0	0	clear	M. **Richard,** Director
Marseille, Observatory	30.04	762.9	30.30	769 7	60.1	15.6	63	w.	.....	.....	0–1	.....	0	.....	.....	0	0	clear	M. Stephan, Director.
Montlouis	24.93	633.3	29.78	756.3	45.5	7.5	39	s.	16.8	7.5	.....	.....	0	.....	.....	0	0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	30.15	765.7	30.26	768.5	59.0	15.0	80	se.	.....	.....	2	.....	5	e.	.....	0	0	fair	M. Galzin, Director.
Nancy, Normal School	29.39	746.4	30.15	765.8	65.1	18.4	49	se.	.....	.....	1	.....	.....	.....	.....	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	29.91	759.8	30.08	763.9	64.2	17.9	57	se.	.....	.....	1–2	1 c	.....	.....	.....	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	30.10	764 5	30.21	767.4	65.1	18.4	49	s.	22.4	10.0	.....	.....	0	.....	.....	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	21.23	539.2	.....	.....	29.1	— 1.6	.....	sw.	.....	.....	1	.....	1	.....	w.	0	0	clear	**M. Vaussenat, Director.**
Privas, Normal School	29.15	740.5	30.21	767.2	64.8	18.2	49	calm	.....	.....	0	.....	0	.....	.....	0	0	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	25.20	641 6	.....	.....	46.9	8.3	25	sse.	.....	.....	4	.....	0	.....	.....	0	0	.....	M Alluard.
Rochefort, Naval Obs'y	30.02	762.5	30.05	763.3	65.8	18.8	54	sse.	.....	.....	1	.....	0	.....	.....	0	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.80	757.0	30.02	762.5	60.1	15.6	69	se.	.....	.....	4	.....	.....	.....	.....	0	0	.....	M. **Brotlier, Director.**
Rodez, Normal School	27.98	710 8	30.14	765 5	55.2	12.9	70	nw.	.....	.....	2	.....	1	.....	se.	0	0	clear	M. Seger, Director.
Rouen, Normal School	30.09	764.3	30.14	765.5	52.2	11.2	50	sse.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Mouillot, Dir.
Saint Maur, Observatory	29 97	761.1	30.13	765.3	63.1	17.3	38	ese.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. **Renou,** Director.
Toulouse, Observatory	29.39	746.6	30.12	765 0	61.3	16.3	60	sse.	.....	.....	8	.....	0	.....	.....	0	0	clear	M. **Baillaud,** Director.
Tours	29.93	760 1	30.11	764.7	60.8	16.0	50	ese.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. de Tastes.
Versailles, Observatory	29.63	752.5	30.12	765.0	63.3	17.4	37	sw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Dr. A. Berigny, **Director.**
Sub-series.																			
St. Martin du Hinx	29.88	759.0	30.03	762.8	68.5	20.3	34	sw.	19 7	8.8	.....	4 c	.....	.....	.....	0	0	.....	M. Cartier, Director.
GERMAN.																			
Ansbach	28.82	731.9	30.26	768.7	57.2	14.0	45	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Jnedt.
Bamberg	29.39	746.5	30.24	768.1	60.1	15.6	52	ne.	.....	.....	1	.....	1 8	.....	.....	0	0	.....	Prof. Dr. Hoh.
Berlin	30.13	765.3	30.27	768 9	59.4	15.2	40	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.85	758.2	30.39	771.9	49.5	9.7	38	se.	.....	.....	3	.....	0	.....	.....	0	0	.....	**Royal University Obs'y**
Carlsruhe	29.76	756.3	30.24	768.0	60.8	16.0	57	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	Albert Senz.
Cassel	29.50	749.3	30.21	767.4	64.0	17.8	34	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.86	758.4	30.22	767.7	60.3	15.7	53	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.82	731.9	30.25	768.3	52.9	11.6	68	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	30.15	765.9	30.24	768.2	60.4	15.8	64	ese.	.....	.....	1	.....	0	.....	.....	0	0	misty	E. Preller.
Kiel	30.20	767 1	30.22	767 5	53.4	11.9	80	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	Prof. Dr. G. Karsten.
Leipsic, Astrom'l Obs'y	29.85	758 3	30.28	769.1	57.9	14.4	46	sse.	.....	.....	1	.....	0	.....	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	30.07	763.7	30.25	768.4	63.7	17.6	44	se.	.....	.....	1	.....	0	.....	.....	0	0	.....	Weather Observatory.
Memel	30.39	772.0	30.40	772.2	36.1	2.3	84	s.	.....	.....	4	.....	10 cs	.....	.....	.....	.....	.....	Issermann.
Munich	28.41	721.7	30.29	769.4	56.7	13.7	53	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	Central Station.
Neufahrwasser	30.37	771.3	30.38	771.7	47.5	8.6	51	s.	.....	.....	3	.....	1	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.73	755.2	30.26	768.7	59.9	15.5	63	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	Prof. Dicknether.
Stuttgart	29.28	743.8	30.19	766 7	62.6	17.0	52	n.	.....	.....	1	.....	0	.....	.....	0	0	.....	Prof. Dr. Schoder.
Wustrow	30.22	767.6	30.24	768.2	56.3	13.5	69	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.97	761.3	30.37	771.4	46.8	8.2	.....	n.	.....	.....	3.0	10	0	.....	.....	0.024	0.6	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.80	757.0	29.86	758.3	79.9	26.6	70	wsw.	23.0	10.3	.....	.....	0	.....	.....	0	0	blue sky	
Deesa	29.32	744.8	29.79	756 6	93.0	33.9	16	nw.	12.0	5.4	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.84	757.9	29.88	758.9	80.1	20.7	64	nw	19.0	8.5	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	28.00	711.3	29.83	757.6	87.5	30.8	18	nw.	29.0	13.0	.....	.....	0	.....	.....	0	0	blue sky	
Belgaum	27.31	693.0	29.82	757.4	81.0	27.2	58	wsw.	11.0	4.9	.....	.....	1	.....	n.	0	0	d. clouds	
Lahore	29.09	738.9	29.84	757.9	76.9	24.9	37	n.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Roorkee	28.85	732.9	29.75	755.6	79.7	26.5	24	nw.	5.0	2.2	.....	.....	0	.....	.....	0	0	blue sky	
Agra	29.30	744.1	29.86	758.3	85.7	29.8	13	nw.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.70	728.8	29.71	754.6	93.7	34.3	19	nw.	16.0	7.2	.....	.....	0	.....	.....	0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p.sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
INDIAN.—Continued.																			
Bubbulpore	28.42	722.0	29.76	755.9	86.2	30.1	23	calm	0	0	.....	.....	3	W.	.....	0	0	d. clouds	
Lucknow	29.41	747.0	29.78	756.5	85.6	29.8	33	wnw.	10.0	4.5	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.44	747.6	29.74	755.4	87.7	30.9	18	nnw.	2.0	0.9	.....	.....	2	.....	.....	0	0	d. clouds	
Patna	29.52	749.9	29.71	754.6	85.6	29.8	17	wnw.	5.2	2.3	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.71	703.8	29.70	754.3	82.0	27.8	27	nw.	8.0	3.6	.....	.....	3	nw.	.....	0	0	d. clouds	
Cuttack	29.62	752.4	29.70	754.5	87.1	30.6	33	se.	8.0	3.6	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29.63	752.5	29.65	753.1	83.5	28.6	70	s.	9.0	4.0	.....	.....	2	.....	.....	0	0	d. clouds	
Dhubri	29.56	749.4	29.62	752.4	80.6	27.0	43	calm	3.3	1.5	.....	.....	0	.....	.....	0.04	1.0	blue sky	
Chittagong	29.70	754.5	29.79	756.8	79.0	26.1	80	sse.	11.7	5.2	.....	.....	7	.....	sse.	0	0	d. clouds	
Sibsagar	29.35	745.4	29.69	754.1	71.4	21.9	83	ne.	2.0	0.9	.....	.....	8	W.	W.	0.64	16.3	d. clouds	
Jeypore	28.38	720.7	29 81	757.2	82.9	28.3	15	nw.	11.0	4.9	.....	.....	0	.....	.....	0	0	blue sky	
Zanzibar	29.85	758.1	29.87	758.7	85.7	29.8	57	ene.	8.0	3.6	.....	.....	2	.....	.....	0	0	d. clouds	
Bellary	28.30	718.8	.....	.....	97.5	36.4	12	w.	6	2.7	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.57	751.1	.....	.....	96.9	36.1	28	ne.	0.2	0.1	.....	0	0	.....	.....	0	0	blue sky	
ITALIAN.																			
Udine	29.96	761.0	30.37	771.5	62.4	16.9	31	sw	7.3	0.6	.....	.....	0	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.82	757.5	30.34	770 7	63.1	17.3	34	ene.	4.9	2.2	.....	.....	1	.....	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	30.24	768.1	30.35	770.9	60.6	15.9	36	ese.	6.3	2.8	.....	.....	0	.....	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.39	746.4	30.30	769.5	60.3	15.7	60	w.	3.1	1.4	.....	.....	6	ne.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	30.10	764.6	30.30	769.5	63.0	17.2	59	s.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	30.28	769.2	30.33	770.4	53.1	11.7	79	n.	6.3	2.8	.....	.....	0	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	30.01	762.2	30.26	768.7	65.3	18.5	35	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	30.14	765.5	30.22	767.7	66.2	19.0	23	ne.	1.3	0.6	.....	.....	0	.....	.....	0	0	.....	Prof. P. Monte.
Rome	30.10	764.4	30.27	768.8	64.0	17.8	41	ssw.	6.9	3.1	.....	.....	1	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	30.01	762.3	30.27	768.8	56.8	13.8	33	ne.	15.0	6.7	.....	.....	0	.....	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	29.40	746.7	30.30	769.6	57.6	14.2	76	wnw.	2.5	1.1	.....	.....	3	W.	.....	0	0	.....	Prof. D. Conti.
Palermo	30.02	762.5	30.27	768 9	61.3	16.3	52	ne.	5.6	2.5	.....	.....	0	.....	.....	0	0	.....	Prof. G. Cacciatore
Syracuse	30.19	766 8	30.24	768.0	63.0	17.2	58	e.	1.8	0.8	.....	.....	4	sw.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.75	755.6	.....	.....	63.0	17.2	35	ne.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	29.57	751.0	29.60	751.9	36.8	2.7	79	e.	.....	.....	2	.....	10 k	.....	.....	0.169	4.3	cloudy	H. Hattori.
Awomori	29.58	751.3	29.62	752.3	32.0	0.0	87	s.	3.0	1.3	.....	0	5 s	.....	.....	0.125	3.2	fair	K. Ogawa.
Hakodate	29.62	752.4	29.63	752.7	33.0	0.6	89	e.	16.2	17.2	.....	.....	10 s	.....	.....	0.052	1.3	covered	Y. Souma.
Hamamatsu	29.48	748.8	29.58	751.3	48.3	9.1	98	ne.	.....	.....	2	.....	10 n	.....	.....	0.992	25.2	raining	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	29.65	753.1	29.67	753.5	47.0	8.7	89	n.	1.6	0.7	.....	.....	10 n	.....	W.	0.925	23.5	raining	Y. Okamoto.
Kagoshima	29.76	756.0	29.78	756.3	63.5	17.5	96	w.	.....	.....	4	.....	10 n	.....	.....	0.165	4.2	light rain	
Kanazawa	29.50	749.3	29.60	751.9	42.8	6.0	94	e.	1.2	0.5	.....	.....	10 n	.....	.....	1.256	31.9	raining	S. Endo.
Kioto	29.43	747.5	29.60	751.9	44.3	6.8	98	calm	0	0	.....	.....	10 n	.....	.....	1.114	28.3	heavy rain	M. Tojima.
Kochi	29.63	752.5	29.65	753.0	55.1	12.8	93	w.	2.3	1.0	.....	.....	10 s	.....	.....	0.394	10.0	overcast	K. Kusunose.
Misaaka	29.68	753 8	29.70	754.5	60.9	19.4	79	wsw.	.....	.....	2	.....	10 s	.....	W.	0.503	14.3	covered	K. Masusaki&T. Ishitain.
Miyako	29.56	750.9	29.67	753.7	36.0	2.2	84	sw.	4.3	1.9	.....	.....	10 s	.....	.....	0	0	cloudy	N. Houno & K. Suwa.
Nagasaki, I. M. Obs'y	29.54	750.3	29.74	755.4	56.1	13.4	94	ssw.	1.5	0.6	.....	.....	10 n	.....	.....	0.500	12.7	raining	
Nemuro	29.74	755.4	29.79	756.7	28.0	— 2.2	59	s.	1.2	0.5	.....	0	4 s	.....	.....	0	0	fair	A Shibuya.
Niigata	29.54	750.3	29.57	751.1	41.0	5.0	90	se.	8.2	3.7	.....	.....	10 n	.....	.....	0.330	8.4	light rain	Satoo & Tomikawa.
Nobiru	29.62	752.4	29.64	752.8	35.6	2.0	94	ne.	4.2	1.9	.....	.....	10 n	.....	.....	0.065	1.6	raining	Yoshino & Midzushina.
Numadzu	29.55	750.6	29.58	751.3	46.8	8.2	98	ssw.	.....	.....	1	.....	10 n	.....	.....	0.894	22.7	light rain	T. Ohgi.
Osaka	29.59	751.7	29.61	752.1	45.4	7.4	97	ne.	6.0	2.7	.....	.....	10 n	.....	.....	1.135	28.8	heavy rain	H. Omura.
Sakai	29.65	753.2	29.66	753.4	48.9	9.4	97	calm	.....	.....	0	.....	10 n	.....	W.	1.181	30.0	raining	Yamawchi & Sakamoto.
Sapporo	29.57	751.2	29.64	752.9	30.0	— 1.1	80	se.	21.1	9.4	.....	.....	10 s	.....	.....	0.005	0.1	covered	S. Kimura.
Shimonoseki	29.57	751.2	29.72	754.9	51.8	11.0	99	nw.	.....	.....	2	.....	10 n	.....	.....	0.921	23.4	raining	S. Sakano.
Tokei Obs'y, Yeddo	29.54	750.3	29.61	752.2	42.0	5.9	99	nne.	8.7	3.9	.....	.....	10 n	.....	.....	0.120	3.1	rainy	The Staff.
Wakayama	29.56	750.7	29.61	752 0	53.8	12.1	89	nw.	14.8	6.6	.....	.....	10 n	.....	.....	0.607	15.4	light rain	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.69	754.1	29.87	758.7	80.9	27.2	66	nnw.	8.0	3.6	.....	2 ck	1 k	.....	.....	0.01	0.3	fair	The Staff.
MEXICAN.																			
Leon	24.31	617.5	30.04	763.0	53.6	12.0	73	nnw.	0.9	0.4	.....	0	0	.....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.70	754.4	29.96	761.1	64.5	18.1	89	nne	0.9	0.4	.....	10 cs	0	sw.	.....	0	0	covered	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.15	765.7	30.15	765.7	57.2	14.0	.....	sse.	.....	.....	3	.....	.....	.....	.....	0.004	0.1	.....	
Gronlingen	30.12	765.0	30.17	766.4	60.1	15.6	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	30.15	765.7	30.15	765.7	53.6	12.0	.....	se.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	30.15	765.8	30.15	765.8	63.0	17.2	58	sse.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Utrecht	30.13	765.4	30.18	766.6	62.6	17.0	54	sse.	.....	.....	3	.....	0	.....	.....	c	0	clear	H. van der Brink.
Sub-series.																			
Batavia, Java	29.85	758.3	.....	.....	79.3	26.3	85	n.	0	0	.....	.....	4	.....	.....	0	0	.....	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.03	762.7	30.09	764.3	54.0	12.2	63	s.	18	8	.....	.....	6	.....	.....	1.280	32.5	.....	
Brono	29.90	759.4	29.94	760.4	42.8	6.0	88	ssw.	.....	.....	6	.....	10	.....	.....	0.063	1.6	.....	
Christiania	29.95	760.6	30.10	764.4	41 9	5.5	82	sw.	2	1	.....	.....	4	.....	.....	0	0	.....	
Glaesver	29.41	747.0	29.43	747.6	39.6	4.2	.....	calm	.....	.....	0	.....	10	.....	.....	0.177	4.5	.....	
Lodingen	29.59	751.6	29.64	752.8	39.4	4.1	88	wsw.	.....	.....	4	.....	5	.....	.....	0.020	0.5	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.71	754.6	29.80	756.9	60.8	16.0	62	wsw.	4.9	2.2	.....	.....	5	.....	.....	0.295	7.5	.....	The Staff.
Ponta Delgada, Azores	29.46	748.2	29.79	756.7	57.9	14.4	88	sse.	13.0	5.8	.....	.....	10	.....	.....	0.260	6.6	.....	
Saint Paul de Loando	29.80	757.0	29.87	758.8	57.2	14.0	50	n.	10.5	4.7	.....	.....	4	.....	.....	0.189	4.8	.....	
St. Vincent, Cape Verd Ids.	30.01	762.3	30.05	763.2	68.5	20.3	69	ene.	.....	.....	4	.....	2	.....	.....	0	0	.....	
San Salvador, Congo	28.02	711.8	29.83	757.6	85.6	29.8	61	calm	.....	.....	0	.....	4	.....	.....	0	0	.....	
Serra da Estrella	25.08	637.0	29.88	759.0	38.3	3.5	100	ese.	61.5	27.5	.....	.....	10	.....	.....	0.465	11.8	rain & fog	
RUSSIAN.																			
Akmolinski	28.91	734.3	30.10	764.4	6.6	—14.1	88	ne.	13	6	.....	0	0	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	29.59	751.5	29.61	752.0	30.7	— 0.7	94	s.	4	2	.....	.....	10	.....	.....	0.055	1.4	light snow	Capt. Sselliwerstow.
Ashuruda	30.35	771.1	30.26	768.7	49.3	9.6	74	ne.	2	1	.....	.....	10 n	.....	.....	0.307	7.8	.....	
Astrakhan	30.42	772.6	30.34	770.6	35.1	1.7	23	n.	11	5	.....	0	0	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.37	771.3	30.32	770.1	37.6	3.1	59	nnw.	22	10	.....	0	3 ks	.....	.....	0	0	.....	
Barnaul	29.67	753 5	30.21	767 3	12.2	—11.0	70	calm	0	0	.....	.....	10	.....	.....	0	0	light clouds	Meteorological Office.
Bielosersk	29.51	749.6	30.00	762.0	31.3	— 0.4	90	sw.	7	3	.....	.....	10 n	.....	.....	0.126	3.2	snowing	
Dorpat	29.95	760 8	30.21	767.3	35.8	2.1	84	wsw.	11	5	.....	.....	10ks;n	.....	.....	0.035	0.9	.....	Observatory.
Ekaterinburg	29.20	743.1	30.27	768.9	28.9	— 1.7	50	s.	4	2	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Elisawetgrad	30.10	766.1	30.64	778.3	31.1	— 0.5	38	ne.	7	3	.....	0	0	.....	.....	0	0	.....	
Kasan	30.09	764.2	30.37	771.5	22.6	— 5.2	74	sse.	7	3	.....	.....	9	.....	.....	0	0	.....	Observatory.
Kem	29.53	750.1	29.58	751.4	38.5	3.6	85	W	13	6	.....	.....	10 n	.....	.....	0.063	1.6	.....	
Kerion	30.34	770.7	30.37	771.3	26.4	— 3.1	.....	ne.	9	4	.....	0	5 k	.....	.....	0	0	.....	Lagorio & Saatyrea.
Kieff	29.95	760.7	30.03	778.1	25.0	— 3.9	53	se.	7	3	.....	c; cs	1 ks	.....	.....	0	0	light clouds	Observatory.
Koslov	29.98	761.5	30.53	775.5	10.7	— 8.5	67	sw.	4	2	.....	0	.....	.....	.....	0	0	.....	
Lgov	30.06	763.5	30.70	779.8	18.1	— 7.7	39	calm	0	0	.....	.....	0	.....	.....	0	0	.....	R. I. Saaweljew, Em rin'r.
Libau	30.32	770.1	30.34	770.7	36.9	2.7	81	s.	13	6	.....	.....	0	.....	.....	0	0	.....	L. Quass.
Lugan	30.26	768.6	30.48	774.2	19.2	— 7.1	48	ene.	9	4	.....	.....	10	.....	.....	0	0	.....	Meteorological Obs'y
Moscow	29.86	758.5	30.37	771.4	29.8	— 1.2	52	wsw.	7	3	.....	.....	0	.....	.....	0	0	.....	Meteorological Obs'y
Nertschinsk	27.78	705 7	30.28	769.2	7.9	—13.4	38	nw.	4	2	.....	.....	10 s	.....	.....	0.016	0.4	.....	
Nikolaiev	30.50	774.6	30.57	776.4	36.3	2.4	46	ene.	18	8	.....	.....	0	.....	.....	0	0	.....	
												0	0	.....	.....	0	0	.....	Capt. Kurdakow.

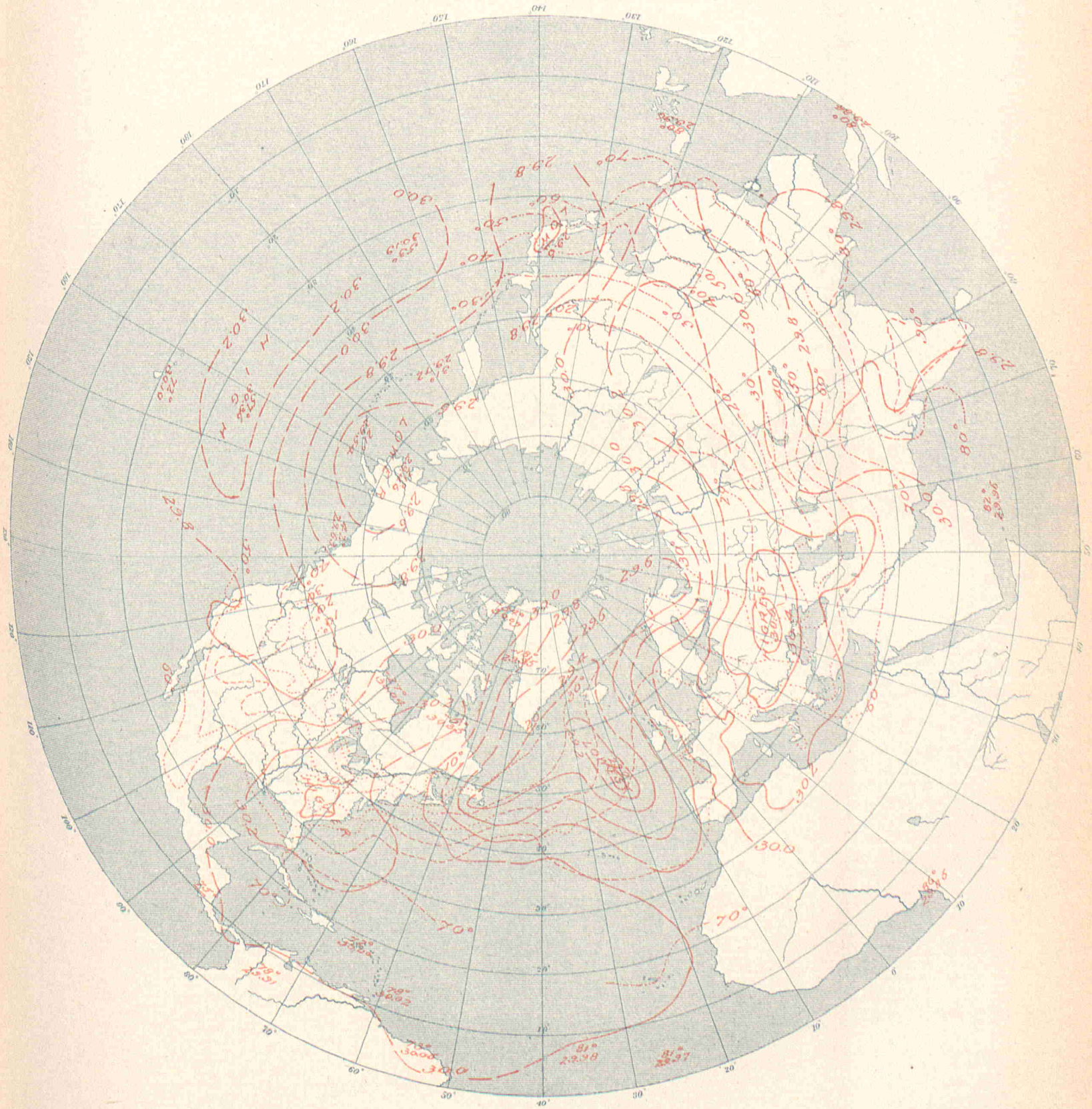
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.06	763.5	30.20	767.1	43.0	6.1	19	n.	3.4	1.5	.....	0	0	.....	.....	0	0	.....	**Siang.**
Petro-Alexandrovsk	29.65	753.2	30.02	762.4	41.0	5.0	69	n.	10.1	4.5	.....	.....	10 k	.....	.....	.....	.....	.....	**Walter.**
Petrozavodsk	29.65	753 0	29.85	758.2	35.6	2.0	87	w.	22	10	.....	.....	10	.....	.....	0.394	10.0	light clouds	Dr. Beramann.
Pinsk	30.06	763 4	30.58	776.7	36.7	2.6	47	s.	4	2	.....	0	0	.....	.....	0	0	.....	
Potl	30.15	765 8	30.18	766.6	46.8	8.2	94	s.	2	1	.....	.....	10 n	.....	.....	0.602	15.3	.....	
St. Petersburg	30.03	762.7	30.05	763.3	34.0	1.1	90	wsw.	11	5	.....	.....	10 n	.....	.....	0.031	0.8	.....	Central Physical Obs'y.
Samarkand	27.43	696.6	29.84	757.8	63.9	17.7	39	sw.	13	6	.....	.....	10 n	.....	.....	.....	.....	.....	**Dresch.**
Semipalatinsk	29.43	747.4	30.13	765.4	17.1	— 8.3	79	calm	0	0	.....	.....	9	.....	.....	0	0	.....	Major Tasarew
Sevastopol	30.11	764.8	30.33	770.4	42.4	5.8	21	ne.	40	18	.....	3 cs	0	.....	.....	0	0	.....	
Staroi Bykhov	29.96	760.9	30.54	775 7	37.6	3.1	50	s.	9	4	.....	.....	10	.....	.....	0	0	light clouds	**Carl Hagen.**
Tashkend, Laboratory	28.21	716 5	29.84	757.8	65.1	18.4	27	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.78	730 9	30.24	768 2	41.4	5.2	68	se.	4	2	.....	.....	10 ks	.....	.....	0.118	3.0	.....	Physical Observatory
Vernoe	27.33	694.1	29.86	758.5	42.3	5.7	50	calm	0	0	.....	3 c	0	.....	.....	.....	.....	.....	**Lariono.**
Viatka	29.57	751.1	30.24	768.1	23.2	— 4.9	61	s.	18	8	.....	.....	8	.....	.....	0	0	.....	
Vladivostock	29.64	752 9	29.71	754.6	30.4	— 0.9	47	n.	18	8	.....	.....	0	.....	.....	0	0	.....	
Warsaw	30.04	762.9	30.48	774 1	40.8	4.9	59	sse.	11	5	.....	5 c	0	.....	.....	.....	.....	.....	
Yeniseisk	29.96	760 9	30.28	769.0	2.8	—16.2	69	nne.	4	2	.....	.....	7	.....	.....	inap.	inap.	snowing	Astronomical Obs'y.
Sub-series.																			M. O. Marks.
Petrowsky Academy	29.71	754 6	30.25	768.3	31.3	— 0.4	45	ssw.	8.0	3.6	.....	0	7	.....	sw.	0.04	1.0	fair	**Bachmetieff.**
SPANISH.																			
Barcelona, Met. Obs'y	30.15	765.9	30.26	768.7	56.8	13.8	80	se.	.....	.....	.....	4 ck	0	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.91	759.6	29.97	761.1	68.4	20.2	54	s.	9.6	4.3	.....	3	0	s.	.....	0	0	almost clear	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.04	686.9	29.99	761 8	57.2	14.0	53	se.	18.6	8 3	.....	.....	1	.....	.....	0	0	almost clear	Domingo Martin.
Madrid, Royal Obs'y	27.82	706.6	30.13	762.8	60.6	15.9	58	se.	21.5	9.6	.....	.....	9	.....	.....	0	0	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.97	761.2	30.10	764.5	62.1	16.7	81	ese.	4.0	1.8	.....	4	5	w.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.82	732.0	29.70	754.4	57.4	14.1	67	s.	17.4	7.8	.....	.....	10	.....	.....	0.004	0.1	sprinkling	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.10	764.5	30.17	766.2	65.8	18.8	88	sse.	3.4	1.5	.....	0	3 k	.....	wnw;e	0.035	0.9	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.91	759 6	29.96	761.0	80.3	26.8	74	ese.	13.2	5.9	.....	0	k	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.82	757.4	29.92	759.9	63.1	17.3	68	e.	27.7	12.4	.....	.....	10	.....	se.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.97	761.2	30.06	763.5	72.3	22.4	77	calm	0	0	.....	2 cs	1 k	sw.	sw.	0	0	.....	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	29.63	752.7	29.67	753.7	41.0	5.0	81	w.	.....	.....	4	.....	3	.....	.....	0	0	.....	
Umea	29.86	758.4	29.91	759.7	47.8	8.8	53	nw.	.....	.....	4	.....	5	.....	.....	0	0	.....	
Hernosand	29.90	759.5	29.95	760.8	51.4	10.8	54	wsw.	.....	.....	2	.....	2	.....	.....	0.004	0.1	.....	
Stockholm	29.93	760.2	30.11	764.7	44.2	6.8	82	w.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Wisby	30.10	764.6	30.16	766.1	43.9	6.6	83	wsw.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.99	761.7	30.08	763.9	41.2	5.1	93	wsw.	8.7	3.9	.....	.....	10	.....	w.	0.004	0.1	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.83	732.2	30.25	768.3	55.4	13.0	51	n.	.....	.....	1	.....	0	.....	.....	0	0	clear	
TURKISH.																			
Constantinople	.....	.....	30.31	769.8	40.6	4.8	72	n.	21	9.5	.....	.....	10	.....	n.	0.087	2.2	.....	The Observatory.
Valona	.....	.....	30.32	770.1	63.9	17.7	.....	nw.	.....	.....	2	.....	5	.....	.....	0	0	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.99	761.8	55.9	13.3	59	ne.	.....	.....	1	c	10 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	30.06	763.5	30.15	765.8	32.4	0.2	64	w.	2	0.9	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	J. O. Barnes.
Alpena, Michigan	29.63	752.6	30.33	770.4	10.3	—12.1	80	w.	5	2.2	.....	0	2 s	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.83	630.7	29.85	758.2	39.1	3.9	95	se.	1	0.4	.....	.....	10 n	.....	.....	0.22	5.6	light rain	J. B. Turton.
Assinnaboine, Ft., Montana	27.16	689.9	30.18	766.6	23.7	— 4.6	74	sw.	4	1.8	.....	3 ck	0	sw.	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	29.18	741.2	30.39	771.9	43.0	6.1	38	e.	8	3.6	.....	0	0	.....	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	30.17	766 3	30.18	766.6	37.0	2.8	61	sw.	13	5.8	.....	3 k	0	sw.	.....	0.10	2.5	clear	B.A.Blundon.
Augusta, Georgia	30.22	767.6	30.42	772.7	39	3.9	87	nw.	2	0.9	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	W.J.Evans.
Barnegat City, New Jersey	30.17	766 3	30 19	766.8	36.5	2.5	75	w	17	7.6	.....	hz.	0	.....	.....	0	0	clear	Geo. W. Folger.
Bennett, Fort, Dakota	28.40	721.3	30.10	764.5	30.0	— 1.1	82	nw.	3	1.3	.....	2 ck	2 s	nw.	nw.	0.01	0.3	cloudy	J.P.Sherry.
Benton, Fort, Montana	27.23	691.6	30.21	767.3	28.0	— 2.2	79	calm	0	0	.....	0	3 s	.....	sw.	inap.	inap.	fair	A. Pritchard.
Bismarck, Dakota	28.07	713 0	29.99	761.7	18.0	— 7.8	70	n.	12	5.4	.....	0	0	.....	.....	0	0	clear	O.S.Bennett.
Block Island, Rhode Island	30.12	765.0	30.15	765.8	33.7	0.9	63	w.	12	5.4	.....	1 c	0	nw.	.....	inap.	inap.	clear	B. O. Lenoir.
Boise City, Idaho	27.13	689.1	30.05	763.3	42.3	5.7	76	n.	1	0.4	.....	.....	10 s	.....	w.	0.04	1.0	cloudy	J. T. Elker.
Boston, Massachusetts	29.96	761.0	30.12	765.0	27.0	— 2.8	77	nw.	7	3.1	.....	0	9 s	.....	w.	0	0	cloudy	James Kenealy.
Brownsville, Texas	29.90	759.4	29.96	761.0	67.2	19.6	63	se.	22	9.8	.....	10 c	0	nw.	.....	0.05	1.3	cloudy	O. B. Cole.
Buffalo, New York	29.50	749.3	30.29	769.4	19.9	— 6.7	70	w.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	John McGlone.
Buford, Fort, Dakota	27.96	710.2	30.12	765.0	13.3	—10.4	83	sw.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	D.Cuthbertson.
Cairo, Illinois	29.89	759.2	30.31	769.9	43.8	6.6	52	s.	7	3.1	.....	7 c	0	w.	.....	0	0	fair	A. Schneider.
Canby, Fort, Washington Ter	29.84	757.9	30.04	763.0	43.8	6.6	71	calm	0	0	.....	3 cs	hz.	.....	.....	0	0	clear	W. H. Ray.
Cape Henry, Virginia	30.33	770.4	30.35	770.9	39.0	3.9	73	s.	10	4.5	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape May, New Jersey	30.22	767.6	30.24	768.1	42.0	5.6	73	sw.	28	12.5	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape Mendocino, California	29.34	745.2	30.03	762.7	45	7.2	76	nw.	21	9.4	.....	0	0	.....	.....	0	0	clear	W.E.Smith.
Cedar Keys, Florida	30.32	770.1	30.34	770.6	50.3	10.2	56	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	A. P. Leavitt.
Charleston, S. Carolina	30.32	770.1	30.38	771 6	48.5	9.2	86	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charlotte, N. Carolina	29.53	750.0	30.41	772.4	42.0	5.6	51	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Chattanooga, Tennessee	29.55	750 6	30.40	772.1	35.5	1.9	69	ne.	3	1.3	.....	1 cs	0	.....	.....	0	0	clear	D. O'Donoghue.
Cheyenne, Wyoming	23.83	605.3	30.03	762.7	33.9	1.1	46	n.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	B. L. Goulding.
Chicago, Illinois	29.51	749.5	30.25	768.3	34.2	1.2	63	se.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	E. McGovern.
Chincoteague, Virginia	30.30	769.6	30.32	770.1	38.0	3.3	84	s.	6	2.7	.....	0	0	.....	.....	0	0	cloudy	Wm. Norrington.
Cincinnati, Ohio	29.68	753.9	30.37	771 4	38.0	3.3	73	s.	1	0.4	.....	3 c	2 s	w.	s.	0	0	clear	C. F. Dickens
Cleveland, Ohio	29.61	752.1	30.39	771.9	26.5	— 3.1	82	n.	5	2.2	.....	0	1 s	.....	.....	0	0	fair	L.Dunne.
Columbus, Ohio	29.46	748.3	30.36	771.1	33.2	0.7	67	w.	4	1.8	.....	5cs;ck	0	w.	.....	0	0	clear	W.Line.
Concho, Fort, Texas	28.00	711.2	29.97	761.2	53.0	11.7	80	s	17	7.6	.....	.....	10 s	.....	s.	0	0	fair	F.T. Williams
Custer, Fort, Montana	26.84	681.7	30.16	766.1	24.7	— 4.1	76	w.	1	0.4	.....	3 ck	2 ks	.....	.....	0	0	cloudy	C. E. King.
Davenport, Iowa	29.41	747.0	30.10	764.5	38.3	3.5	63	se.	5	2.2	.....	6 cs;hz	0	.....	.....	0	0	fair	W.J.Daily.
Davis, Fort, Texas	25.07	639.8	29.94	760.5	40.2	4.6	86	sw.	3	1 3	.....	.....	10 s	.....	sw.	0	0	cloudy	R. R. Martin.
Dayton, Washington Ty'y	28.26	717.8	30.08	764.0	38.1	3.4	77	e.	6	2.7	.....	5 ck	0	w.	.....	0	0	fair	J. Williams.
Deadwood, Dakota	25.29	642.4	30.13	765.3	30.0	— 1.1	70	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear	T.Gibson.
Delaware Breakwater, Del.	30.26	768.6	30.28	769.1	36.4	2.4	64	sw.	22	9.8	.....	0	4 k	.....	.....	inap.	inap.	fair	G.W.Scott.
Denver, Colorado	24.53	623.1	29.97	761.2	43.0	6.1	58	n.	1	0.4	.....	.....	10 s	.....	nw.	0	0	cloudy	G.A.Martin.
Des Moines, Iowa	29.07	738.4	30.03	762.7	42	5.6	65	sw.	6	2.7	.....	10 cs	0	w.	.....	0	0	cloudy	F. M. Neal.
Detroit, Michigan	29.64	752.8	30.39	771.9	31.1	— 0.5	68	ne.	1	0.4	.....	0	0	.....	.....	0	0	cloudy	F. W. Conrad.
Dodge City, Kansas	27.22	691.4	29.95	760.7	42.5	5.8	65	se.	22	9.8	.....	0	2 s	.....	.....	0	0	clear	N.B.Conger.
Dubuque, Iowa	29.36	745.7	30.11	764.8	33.2	0.7	63	s.	5	2.2	.....	.....	10s;ks	.....	sw.	0	0	cloudy	J. Harvey Smith
Duluth, Minnesota	29.20	741.7	29.99	761.7	14.5	— 9.7	73	ne.	14	6.3	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
Eastport, Maine	29.93	760.2	30.00	762.0	15.0	— 9.4	67	nw.	10	4.5	.....	0	0	.....	.....	0.37	9.4	clear	D. C. Murphy.
Elliott, Fort, Texas	27.10	688.3	29.93	760.2	41	5.0	59	se.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.13	663 7	29.93	760 2	46.2	7.9	58	w.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	F. Belford.
Erie, Pennsylvania	29.62	752.3	30.39	771.9	23.0	— 5.0	80	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	P. Wood.
Escanaba, Michigan	29.53	750.0	30.24	768.1	3.5	—15.8	72	n.	4	1.8	.....	9 cs	0	w.	.....	0.08	2.0	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.65	753.1	30.14	765.5	46.5	8.1	68	e.	7	3.1	.....	.....	10 s	.....	e.	0.02	0.5	cloudy	J. B. Campbell.
Galveston, Texas	30.06	763.5	30.10	764.5	63.3	17.4	79	se.	9	4.0	.....	.....	10 ks	.....	se.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.59	751.6	30.29	769.4	26.1	— 3.3	87	ne.	5	2.2	.....	0	5 s	.....	.....	inap.	inap.	fair	Joseph E. Mueller.
Grant, Fort, Arizona	25.08	637.0	29.91	759.7	39.8	4.3	84	sw.	2	0.9	.....	.....	10 s	.....	sw.	0	0	cloudy	Chas. A. Read.
Hatteras North Carolina	30.36	771.1	30.37	771.4	45.5	7.5	76	nw.	2	0.9	.....	0	hz.	.....	.....	0	0	clear	R. M. Crawford.

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.77	654.5	30.09	764.3	28.5	— 1.9	67	W.	2	0.9	.....	0	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	28.45	722.6	29.93	760.2	27.8	— 2.3	89	nw.	12	5.4	.....	0	1 s	.....	.....	0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.47	748.5	30.31	769.9	35.0	1.7	66	n.	4	1.8	.....	4 k	0	W.	.....	0	0	fair	C. F. R. Wappenhans.
Indianola, Texas	29.99	761.7	30.02	762.5	63.4	17.4	76	se.	14	6.3	.....	.....	10 s	.....	s.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.33	770.4	30.38	771.6	47.7	8.7	88	e.	7	3.1	.....	0	fg.	.....	.....	inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	29.43	747.5	30.12	765.0	40.3	4.6	67	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	30.17	766.3	30.19	766.8	68	20.0	70	ne.	18	8.0	.....	0	0	.....	.....	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.33	770.4	30.35	770.9	37.0	2.8	86	w.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	Wesley Blake.
Knoxville, Tennessee	29.36	745.7	30.42	772.7	31.2	— 0.4	90	e.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. A. Cody.
La Crosse, Wisconsin	29.19	741.4	30.01	762.2	35	1.7	69	s.	13	5.8	.....	2 ck	3 s	sw.	.....	0	0	fair	S. C. Emery.
Leavenworth, Kansas	29.12	739.6	30.06	763.5	43	6.1	68	s.	5	2.2	.....	0	6 s	.....	.....	0	0	fair	C. Dill.
Lewiston, Idaho	29.23	742.4	30.09	764.3	38.0	3.3	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.89	759.2	30.22	767.6	46.5	8.1	76	se.	1	0.4	.....	0	3 s	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.61	752.1	30.01	762.2	51.5	10.8	90	ne.	2	0.9	.....	.....	10 s	.....	se.	0.07	1.8	cloudy	T. S. Collins.
Louisville, Kentucky	29.75	755.6	30.34	770.6	41 0	5.0	65	s.	3	1.3	.....	6 k	0	W.	.....	0	0	fair	E. B. Garriott.
Lynchburg, Virginia	29.63	752.6	30.35	770.9	39.0	3.9	46	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.62	752.3	30.32	770.1	4.5	—15.3	76	se.	1	0.4	.....	7 cs	0	.....	.....	0.16	4.1	fair	D. B. Notson.
Macon, Fort, North Carolina	30.38	771 6	30.38	771.6	45.2	7.3	93	nw.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	William Daly.
Maginnis, Fort, Montana	25.57	649.5	30.17	766.3	24.5	— 4.2	53	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.45	748.0	30.22	767.6	13.6	—10.2	80	se.	8	3.6	.....	.....	10 s	.....	.....	inap.	inap.	clear	J. Gilligan.
Memphis, Tennessee	29.91	759.7	30.26	768.6	47.2	8.4	52	se.	2	0.9	.....	hz.	hz.	.....	.....	0	0	dense haze	D. T. Flannery.
Milwaukee, Wisconsin	29.44	747.8	30.23	767.8	32.4	0.2	85	se.	22	9.8	.....	.....	10 s	.....	se.	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	30.27	768.8	30.31	769.9	45	7.2	83	n.	4	1.8	.....	0	sk.	.....	.....	0	0	clear	H. U. Jones.
Montgomery, Alabama	30.11	764.8	30.35	770.9	42.5	5.8	78	ne.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	S. M. Leitsell.
Moorhead, Minnesota	28.88	733.5	29.96	761.0	20	— 6.7	84	sw.	4	1.8	.....	.....	10 s	.....	.....	0	0	clear	H. Bessant.
Mt. Washington, N. H	23.45	595.6	29 97	761.2	1.0	—17.2	75	nw.	25	11.2	.....	4 cs	fg.	.....	nw.	0.01	0.3	fair	J. H. Melton.
Nashville, Tennessee	29.74	755.4	30.34	770.6	37.0	2.8	84	e.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	L. N. Jesunofsky.
New Haven, Connecticut	30.01	762.2	30.13	765.3	29.4	— 1.4	98	calm	0	0	.....	.....	10 n	.....	.....	inap.	inap.	light snow	J. H. Sherman.
New London, Connecticut	30.12	765.0	30.17	766.3	31.2	— 0.4	100	nw.	3	1.3	.....	.....	10 n	.....	nw.	0.01	0.3	heavy snow	J. G. Lynch.
New Orleans, Louisiana	30.20	767.1	30.26	768.6	52.8	11.6	73	se.	1	0.4	.....	0	hz.	.....	.....	0	0	clear	M. Herman.
New York, New York	30.00	762.0	30.18	766 6	32.5	0.3	78	sw.	10	4.5	.....	5 k	3 s	sw.	.....	inap.	inap.	cloudy	W. Finn.
Norfolk, Virginia	30.31	769.9	30.34	770.6	39.0	3.9	82	calm	0	0	.....	0	0	.....	.....	0.01	0.3	clear	Wm. Davis.
North Platte, Nebraska	26.86	682.2	29.92	760.0	37.6	3.1	79	ne.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	E. F. Brady.
Olympia, Washington Ty	29.95	760.7	29.99	761.7	37.0	2.8	82	calm	0	0	.....	6 cs	0	sw.	.....	0	0	fair	J. Dascomb.
Omaha, Nebraska	28.73	729.7	29.98	761.5	42.0	5.6	65	s.	10	4.5	.....	0	0	.....	.....	0	0	clear	A. Pollak
Oswego, New York	29.86	758.4	30.20	767.1	26.5	— 3.1	94	w	19	8.5	.....	.....	10 n	.....	w	0.02	0.5	light snow	J. G. Linsley.
Palestine, Texas	29.54	750.3	30.11	764.8	54.2	12.3	73	se.	11	4.9	.....	0	8 s	.....	se.	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	30.28	769.1	30.31	769.9	50.3	10.2	80	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	30.12	765.0	30.22	767 6	38.0	3.3	72	w.	11	4.9	.....	0	5 k	.....	w.	inap.	inap.	fair	T. F. Townsend.
Pike's Peak, Colorado	17.52	445.0	30.11	764.8	5.0	—15.0	83	ne.	8	3.6	.....	.....	10 n	.....	.....	0.02	0.5	heavy snow	H. Hall.
Pittsburg, Pennsylvania	29.54	750.3	30.39	771.9	30.8	— 0.7	68	nw.	5	2.2	.....	4 cs	0	nw.	.....	0	0	fair	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	7.4	—13.7	.....	.....	.....	.....	.....	.....	10 s	.....	e.	0	0	threatening	Geo. A. Carden.
Port Huron, Michigan	29.65	753.1	30.37	771.4	19.3	— 7.1	84	calm	0	0	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Portland, Maine	30.03	762.7	30.08	764.0	28.5	— 1.9	60	nw.	5	2.2	.....	3 c	0	W	.....	0.03	0.8	clear	W. W. Eichelberger.
Portland, Oregon	29.93	760.2	30.00	762.0	48.8	9.3	94	w.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	M. L. Hearns.
Prescott, Arizona	24.64	625 8	29.98	761.5	38.0	3.3	92	sw.	3	1.3	.....	0	6 s	.....	w.	0.24	6.1	fair	N. D. Lane.
Provincetown, Mass	30.09	764.3	30.12	765.0	31.1	— 0.5	72	w.	10	4.5	.....	8 k	2 s	W.	w.	0.14	3.6	cloudy	C. N. Kitchel.
Red Bluff, California	29.63	752.6	30.00	762.0	47.5	8.6	98	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.73	755.1	29.97	761.2	65.0	18.3	73	s	12	5.4	.....	0	8 s	.....	se.	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	29.56	750.8	30.26	768.6	21	— 6.1	91	w	23	10.3	.....	.....	10 n	.....	w.	inap.	inap.	light snow	E. W. McGann.
Roseburg, Oregon	29.50	749.3	30.06	763.5	45.6	7.6	74	calm	0	0	.....	0	0	.....	.....	0.06	1.5	clear	J. J. Naury.
Sacramento, California	29.90	759.4	29.97	761.2	51.0	10.6	86	se.	7	3.1	.....	0	0	.....	.....	0.01	0.3	clear	J. A. Barwick.
St. Louis, Missouri	29.59	751 6	30.24	768.1	45.3	7.4	68	s.	14	6.3	.....	.....	10 s	.....	s.	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.43	747.5	29.46	748.3	20.5	— 6.4	100	n.	17	7.6	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	28.98	736.1	29.89	759.2	30.0	— 1.1	72	se.	10	4.5	.....	4 cs	0	W.	.....	0	0	fair	P. F. Lyons.
St. Vincent, Minnesota	28.98	736.1	29.92	760.0	20.8	— 6.2	88	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.50	647.7	30.02	762.5	39.6	4.2	71	calm	0	0	.....	.....	10 n	.....	.....	inap.	inap.	light rain	J. Craig.
San Diego, California	29.90	759.4	29.96	761.0	52.3	11.3	89	e.	6	2.7	.....	4 ck	0	sw.	.....	0.11	2.8	fair	F. R. Day.
Sandusky, Ohio	29.68	753.9	30.40	772.1	30	— 1.1	78	nw.	1	0.4	.....	.....	0	.....	.....	0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	30.17	766.3	30.20	767.1	36.0	2.2	69	W.	18	8.0	.....	5 k	0	W.	.....	inap.	inap.	fair	V. P. Chappel.
Sanford, Florida	30.26	768.6	30.31	769.9	60.0	15.6	65	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.92	760.0	29.99	761.7	52.8	11.6	88	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	N. Gorom.
Savannah, Georgia	30.31	769.9	30.40	772.1	46	7.8	88	sw.	1	0.4	.....	0	fg.	.....	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.37	669.8	30.17	766.3	25.5	— 3.6	76	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear	A. L. Mathews
Shreveport, Louisiana	29.96	761.0	30.14	765.5	50.0	10.0	71	se.	6	2.7	.....	.....	9 s	.....	.....	0	0	cloudy	E. N. Meekins.
Sitka, Alaska	29.56	750.8	29.63	752.6	42	5.6	78	e.	16	7.2	.....	.....	10 s	.....	e.	0.13	3.3	cloudy	F. W. Fickett.
Smithville North Carolina	30.36	771.1	30.40	772.1	42.2	5.7	87	calm	0	0	.....	0	hz.	.....	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.95	709.9	30.08	764.0	28.2	— 2.1	82	calm	0	0	.....	4 ck	0	.....	.....	0	0	fair	D. Moore.
Springfield, Illinois	29.50	749.3	30.22	767.6	40.0	4.4	65	s.	12	5.4	.....	hz.	0	.....	.....	0	0	clear	T. B. Jennings.
Stockton, Fort, Texas	26.83	681.5	29.91	759 7	48.0	8.9	80	se.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.92	760.0	30.02	762 5	42.0	5.6	96	s.	8	3.6	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	R. Connor.
Thomas, Camp, Arizona	27.17	690.1	29.95	760.7	45	7.2	93	W	.....	.....	1	.....	10 s	.....	.....	0.18	4.6	cloudy	R. C. Lord.
Toledo, Ohio	29.64	752.8	30.37	771.4	28.5	— 1.9	70	calm	0	0	.....	0	0	.....	.....	0	0	clear	A. Buell.
Unalashka, Alaska	29.52	749.8	29.54	750.3	21	— 6.1	70	nw.	32	14.3	.....	.....	10 n	.....	nw.	0.31	7.9	light snow	Samuel Applegate
Vicksburg, Mississippi	30.00	762.0	30.26	768.6	46	7.8	66	e.	8	3.6	.....	5c;cs	0	W.; nw.	.....	0	0	fair	F. W. Mixer.
Washington, D. C	30.17	766.3	30.29	769.4	38.1	3.4	53	sw.	11	4.9	.....	0	0	.....	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.74	653.8	29.80	756.9	32	0.0	54	nw.	3	1.3	.....	3 c	2 s	W.	.....	0	0	fair	F. H. Brandenburg
Wilmington, N. Carolina	30.34	770.6	30.40	772.1	42.0	5.6	82	n.	1	0.4	.....	0	hz.	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.54	724.9	29.93	760.2	30.4	2.4	78	W.	7	3.1	.....	7 cs	0	.....	.....	0	0	fair	E. H. Thompson.
Yuma, Arizona	29.77	756.1	29.92	760.0	51.4	10.8	96	calm	0	0	.....	0	fg.	.....	.....	inap.	inap.	clear	W. S Delano.
Sub-series.																			
Behringisland, Kamchatka	29.70	754.4	29.72	754.9	31.0	— 0.6	100	e.	22	9.8	.....	.....	10 n	.....	.....	0.24	6.1	snowing	George Cherwick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	80	26.7	.....	ne.	.....	.....	3	2 cs	7 n	.....	ne.	0.61	15.5	raining	W. H. Jackson.
Bogota, U. S. C	21.99	558.5	.....	.....	53.6	12.0	86	s.	2	1	.....	0	0	.....	.....	0.012	0.3	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.19	766.8	30.35	770.9	— 6	—21.1	100	calm	0	0	.....	.....	10 s	.....	s	0.05	1.3	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.08	764.0	67.8	19.9	91	n.	1	0.4	.....	0	0	.....	.....	0.01	0.3	clear	Robert Johnston.
Paramaribo, S. A	.....	.....	30.05	763.3	73	22.8	95	ne.	.....	.....	2	.....	10 n	e.	e.	1.350	34.3	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	30.05	763.3	30.05	763.3	73	22.8	95	calm	.....	.....	0	.....	10 ks	.....	calm	0	0	cloudy	Francisco J. Olsuere s.
Rivas, Nicaragua, C. A	29.35	745.5	29.91	759.7	78	25.6	84	.....	.....	.....	0	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A	.....	.....	.....	.....	75	23.9	83	ne.	.....	.....	3	.....	.....	.....	.....	0	0	fair	Fortescue & Wood.
	29.97	761.2	30.04	763.0	—27.0	—32.8	.....	w.	14	6.3	.....	1 c	1 s	W.	W.	0	0	fair	
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.01	762.2	30.02	762.4	76.6	24.8	85	n.	11.2	5.0	.....	.....	4 k	.....	n.	0	0	fair	P. Fasiani.
Nuós, Bay of Panama	29.94	760.5	30.01	762.2	72.0	22.2	91	n.	.....	.....	4	.....	1 k	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No 1—North Atlantic.																		
S. S. Assyrian Monarch, N. 42° 27′, W. 29° 46′†	29.85	758.2	55	12.8	.....	nw.	.....	.....	5	.....	6	.....	nw	3 h'r	3 h'r	high	nw.	fair.
S. S. Alpin, Kingston, Jamaica, W.I *†	30.15	765.8	78?	25.6?	.....	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. Armenia, N. 41° 50′. W. 51° 30′ *	30.03	762.7	44	6.7	76	sw.	.....	.....	3	.....	8	.....	sw.	0	0	cross	.....	cloudy.
S. S. Antonio Lopez, Havana, Cuba, W.I	30.16	766.1	65.5	18.6	.....	calm	.....	.....	0	.....	4	.....	.....	1 h'r	1 h'r	.....	.....	fair.
S. S. America, Bremerhaven, Germany	.....	.....	51	10.6	93	sw.	.....	.....	4	.....	3	.....	sw.	0	0	.....	.....	fair.
S. S Bothnia N. 42° 22′, W. 47° 11′	29.76	755.9	65	18.3	94	sw.	.....	.....	6	.....	5	.....	wsw.	0	0	mod.	sw.	hazy.
S. S. British Princess N. 48° 18′ W. 26° 50′ †	29.38	746.2	.....	.....	.....	nw.	.....	.....	6	.....	8	.....	nw.	0	0	high	cross	hailing.
S. S. Britannic, N. 40° 40′, W. 67° 20′	.....	.....	40	4.4	.....	nw.	.....	.....	5	.....	2	.....	n.	0	0	long	nw.	d. clouds.
S. S. City of Augusta, N. 37° 21′, W. 74° 46′†	30.30	769.6	.....	.....	.....	wsw.	.....	.....	4	.....	4	.....	wsw.	0	0	sm'h	.....	clear.
S. S. Caracas, Puerto Cabello, Venezuela*†	30.00	762.0	74.5	23.6	83	wsw.	.....	.....	1	.....	0	.....	.....	0	0	mod.	nne	hazy.
S. S. Celtic, N. 46° 30′, W. 33° 16′†	29.72	754.9	.....	.....	87	wnw	.....	.....	5	.....	5	.....	w.	sh'rs	sh'rs	h'vy	wnw.	fine.
S. Dora, N. 36° 52′, W. 59° 36′ *†	30.14	765.5	57.2	14.0	.....	wnw.	.....	.....	6	.....	8	.....	wnw.	4 h'r	4 h'r	cross	wnw.	overcast.
S. S. Canada, (Fr) N. 43° 39′, W. 47° 34′	29.61	752.2	44.6?	7?	.....	sw.	.....	.....	6	.....	8	.....	sw.	.....	.....	large	sw.	cloudy.
S. S. Devonia, N. 55° 02′, W. 14° 00′†	29.43	747.5	50	10.0	.....	sse.	.....	.....	6	.....	10	.....	sse.	2 h'r	2 h'r	h'vy	s.	cloudy.
S. S England, N 49° 28′, W. 21° 24′	28.89	733.8	.....	.....	.....	s.	.....	.....	6	.....	5	.....	s.	4 h'r	4 h'r	h'vy	s.	fair.
Bk. Fred. W. Carlon, N. 35° 08′, W. 73° 55′†	30.37	771.4	.....	.....	.....	nw.	.....	.....	6	.....	2	.....	nw.	0	0	mod.	n.	clear.
S. S. Fulda, N. 48° 19′, W. 25° 31′	29.37	746.0	43.7	6.5	94	nnw.	.....	.....	7–8	.....	7	.....	nw.	10 h'r	10 h'r	h'vy	nw.	squally.
S. S. Gellert, N. 40° 24′, W. 68° 15′	.....	.....	45.0	7.2	92	wnw.	.....	.....	5	.....	4	.....	wnw.	0	0	mod.	nw.	clear.
S. S. George S. Thomas, N. 27° 50′, W. 63° 53′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	3	.....	sw.	0	0	sm'h	s.	threatening.
S. S. Greece, N. 45° 48′, W. 32° 47′	.....	.....	47	8.3	.....	nw	.....	.....	4	.....	7	.....	nw.	2 h'r	2 h'r	mod.	nw.	squally.
S. S Habsburg, N. 49° 43′, W. 18° 02′	29.20	741.7	.....	.....	.....	s.	.....	.....	6	.....	7	.....	s.	3 h'r	3 h'r	r'gh	s.	fair.
S. S. Iowa, N. 44° 35′, W. 42° 05′ †	29.70	754.4	54	12.2	.....	ssw.	.....	.....	4	.....	10	.....	.....	2 h'r	2 h'r	sm'h	w	overcast.
S. S. Lord Clive, N. 44° 10′, W. 42° 30′	.....	.....	.....	.....	.....	ssw	.....	.....	4	.....	10	.....	sw.	2 h'r	2 h'r	sli't	ne;w	overcast.
S. S. Lampassas, N. 29° 18′, W. 94° 40′†	30.10	764.5	.....	.....	.....	s.	.....	.....	4	.....	4	.....	sw.	0	0	short	s.	fair.
Bg. L. F. Munson, Matanzas, Cuba, W. I*†	30.18	766.6	.....	.....	.....	ene.	.....	.....	6	.....	.....	.....	.....	0	0	.....	.....	squally.
Bg. Lillian, N 40° 10′, W. 73° 55′	.....	.....	.....	.....	.....	ssw.	.....	.....	3	.....	2	.....	.....	0	0	sm'h	.....	clear.
S. S. Main, N. 40° 20′, W. 69° 40′	30.18	766.6	50.0?	10.0?	.....	wsw.	.....	.....	2	.....	2	.....	wsw.	0	0	light	e.	fair.
S. S. New York, N. 28° 27′, W. 80° 15′	.....	.....	65	18.3	.....	ene.	.....	.....	4	.....	3	.....	e.	.....	.....	sm'h	e.	clear.
Schr. Norena, N. 40° 00′, W. 72° 00′ *†	30.20	767.1	.....	.....	.....	wsw.	.....	.....	3	.....	5	.....	wnw.	3 h'r	3 h'r	mod.	var.	fair.
S. S. Orinoco, N. 40° 15′, W. 73° 48′	.....	.....	.....	.....	.....	sw.	.....	.....	6	.....	2	.....	.....	2 h'r	2 h'r	mod.	sw.	clear.
Bk. Orpheus, N. 42° 19′, W. 55° 03′ *	29.84	757.9	42	5.6	.....	var.	.....	.....	7	.....	9 k	.....	w.	4 h'r	4 h'r	cross	.....	cloudy.
S. S. Pavonia, N. 41° 41′, W. 46° 30′	29.83	757.7	64	17.8	89	ssw.	.....	.....	4	.....	4	.....	wsw.	0	0	sm'h	.....	hazy.
S. S. Rhaetia, N. 43° 18′, W. 46° 32′	.....	.....	57	13.9	.....	wsw.	.....	.....	6	.....	5	.....	w.	0	0	r'gh	wsw.	fair.
S. S. State of Georgia, N. 40° 17′, W. 68° 08′	.....	.....	40	4.4	.....	w.	.....	.....	6	.....	0	.....	.....	snow	snow	light	.....	clear.
S. S. Salerno, Hull, Eng	.....	.....	62	16.7	.....	se.	.....	.....	2	.....	5	.....	se.	0	0	.....	.....	hazy.
S. S Switzerland, N. 50° 34′, W. 0° 56′*†	30.01	762.2	.....	.....	.....	sse.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Silesia, N. 42° 16′, W. 51° 15′	.....	.....	.....	.....	.....	sw.	.....	.....	6	.....	9	.....	.....	10 h'r	10 h'r	.....	.....	stormy.
Bg. Teneriffe, N. 35° 30′, W. 74° 05′*	30.18	766.6	.....	.....	.....	nw.	.....	.....	5	.....	0	.....	.....	0	0	4	ne.	clear.
S. S. Valencia, N. 30° 45′, W. 70° 21′†	30.29	769.4	64	17.8	67	nne.	.....	.....	5	.....	9	.....	ne.	0	0	h'vy	nnw.	cloudy.
S. S. Westernland, N. 43° 03′ W. 42° 07′	29.76	755.9	65	18.3	84	sw.	.....	.....	5	.....	7	.....	sw.	5 h'r	5 h'r	long	wsw.	fair.
S. S. W. A. Scholten, N. 41° 47′, W. 56° 07′	.....	.....	45.5	7.5	82	wnw.	.....	.....	7	.....	8	.....	wnw.	0	0	6	w.	squally.
S. S. Weser, N. 37° 17′, W. 73° 33′	30.38	771.6	50.0	10.0	.....	w.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	ne.	clear.
S. S. Zeeland, N. 42° 42′, W. 41° 20′*†	29.82	757.4	56	13.3	.....	wsw.	.....	.....	5	.....	10	.....	sw.	0	0	r'gh	.....	hazy.
S. S. Australia, N. 40° 41′, W. 71° 09′ †	30.15	765.8	35	1.7	.....	w.	.....	.....	3	.....	c	.....	.....	5 h'r	5 h'r	.....	.....	fair.
S. S. Cienfuegos, N. 28° 29′, W. 75° 50′	30.32	770.1	62	16.7	.....	ne.	.....	.....	3	.....	4	.....	ene.	0	0	sm'h	ene.	clear.
S. S. Anchoria, N. 40° 25′, W. 67° 24′	.....	.....	.....	.....	.....	w.	.....	.....	3	.....	0	.....	.....	0	0	high	ne.	clear
S. S. Baltic, N. 49° 36′, W. 21° 09′	.....	.....	.....	.....	.....	s.	.....	.....	5	.....	5	.....	s.	rain	rain	r'gh	cross	fair.
S. S. Chalmette, Algiers, La *†	30.25	768.3	48	8.9	.....	e.	.....	.....	4	.....	5	.....	se.	0	0	.....	.....	fair.
S. S. Erin, London, Eng†	30.12	765.0	68	20.0	.....	se.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Grecian, N. 50° 05′, W. 30° 00′	29.52	749.8	38	3.3	90	n.	.....	.....	5	.....	9	.....	n.	1 h'r	1 h'r	mod.	n.	squally.
Bg. John Wesley, N. 24° 44′, W. 79° 01′ *†	30.15	765.8	.....	.....	.....	ne.	.....	.....	4	.....	2	.....	ene.	½ h'r	½ h'r	sm'h	.....	hazy.
S. S. Ohio, (Am) N. 44° 00′, W. 37° 21′	.....	.....	50	10.0	93	calm	.....	.....	0	.....	10	.....	ne	0	0	mod	ne.	raining.
Schr. Viola Reppard, N. 34° 10′, W. 68° 37′ †	30.33	770.4	65	18.3	.....	nnw.	.....	.....	5	.....	5	.....	nw.	4 h'r	4 h'r	.....	sw.	fair.
S. S. Werra, N. 40° 39′, W. 70° 18′	.....	.....	41.0	5.0	.....	wnw.	.....	.....	6	.....	0	.....	.....	0	0	r'gh	wnw.	clear.
U. S. S. Kearsarge, Alexandria, Egypt	30.07	763.8	58	14.4	70	nw.	.....	.....	5	.....	10	.....	nw.	.....	.....	.....	.....	cloudy.
U. S. S. Lancaster, Alexandria, Egypt	30.11	764.8	59	15.0	88	nw.	.....	.....	5	.....	10	.....	nw.	.....	.....	mod.	nw.	squally.
U. S. S. Alliance, Point à Pitre, Guadeloupe, W. I	30.09	764.3	74	23.3	81	ene.	.....	.....	1	.....	8?	.....	calm	light	light	sm'h	.....	clear.?
U. S. S. Galena Port au Prince, Hayti, W.I*	30.06	763.5	74	23.3	76	e.	.....	.....	1	.....	2	.....	e.	.....	.....	sm'h	.....	fair.
U. S. S. Jamestown, Point à Pitre, Guadeloupe, W.I	30.10	764.5	74	23.3	81	ene.	.....	.....	1	.....	3	.....	.....	.....	.....	.....	.....	fair.
U. S. S. Portsmouth, Fort de France, Martinique, W.I	30.06	763.5	74	23.3	100	e.	.....	.....	4	.....	10	.....	ne.	.....	.....	.....	.....	raining.
U. S. S Saratoga, N. 37° 42′, W. 51° 36′	30.04	763.0	64	17.8	83	sw.	.....	.....	6	.....	2	.....	sw.	0	0	r'gh	sw.	fair.
U. S. S. Swatara, N. 18° 05′, W. 74° 54′	30.07	763.8	77	25.0	82	ese.	.....	.....	1	.....	2	.....	se.	0	0	sm'h	.....	clear.
U. S. S. Yantic, Nassau, Bahama Ids, W.I	30.20	767.1	71	21.7	80	ne.	.....	.....	4	.....	2	.....	ne.	.....	.....	.....	.....	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.27	768.8	50	10.0	?	n	.....	.....	4	.....	10	n.	.....	.....	.....	.....	.....	raining.
H. M. S. Alecto, N. 3° 46′, E. 8° 47′	29.85	758.2	86	30.0	.....	nnw.	.....	.....	1	.....	3	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.18	766.6	66.5	19.2	50	wnw.	.....	.....	4	.....	6	nnw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, Marmaras Bay, Asia Minor	.....	.....	54	12.2	43	nw.	.....	.....	3	.....	7	nnw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Myrmidon, N. 32° 13′, E. 26° 05′	30.12	765.0	57	13.9	52	n.	.....	.....	3	.....	3	.....	.....	.....	.....	3	nnw.	d. clouds.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	30.02	762.5	77.4	25.2	57	ne.	.....	.....	4	.....	3	.....	sw.	0	0	.....	.....	d. clouds.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.86	758.4	86.0	30.0	82	sse.	.....	.....	3	.....	7	.....	se.	0	0	2	se.	d. clouds.
S. S. British Crown, N. 45° 42′, W. 38° 20′†	29.75	755.6	42	5.6	.....	s.	.....	.....	1	.....	10	.....	.....	3 h'r	3 h'r	mod.	ne.	rainy.
S. S. Circassian, N. 47° 45′ W. 35° 15′	29.68	753.9	44	6.7	100	nw.	.....	.....	4	.....	5	.....	n.	.....	.....	3	nne.	d. clouds.
S. S. Polynesian, N. 42° 27′, W 59° 54′	29.93	760.2	37	2.8	.....	wnw.	.....	.....	5	.....	9	.....	nw.	3 h'r	3 h'r	long	sw.	cloudy
S. S. Scandinavian, N. 41° 43′, W. 60° 57′	29.95	760.7	40	4.4	.....	w	.....	.....	6	.....	10	.....	w.	2 h'r	2 h'r	cross	var.	overcast.
S. S. Ailsa, N. 23° 48′, W. 74° 20′	.....	.....	76.8	24.9	88	ne.	.....	.....	2	.....	2	.....	ne.	0	0	light	s.	fair.
S. S. Alps, N. 34° 48′, W. 70° 43′	.....	.....	63	17.2	.....	nnw.	.....	.....	3	.....	4	.....	nw.	0	0	sm'h	nnw.	fine.
S. S. Dorian, Naples, Italy	30.25	768.3	.....	.....	.....	var.	.....	.....	2	.....	.....	.....	.....	0	0	.....	.....	
S. S. Galatia, Genoa, Italy*†	30.30	769.6	75?	23.9?	.....	ssw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Carroll, N 43° 00′, W. 67° 43′*†	30.10	764.5	40?	4.4?	.....	sw.	.....	.....	2	.....	4	.....	sw.	0	0	long	ene.	fair.
S. S. California, N. 44° 11′, W. 32° 17′	.....	.....	53.3	11 8	.....	nw.	.....	.....	6	.....	2	.....	wnw.	0	0	long	wnw.	clear
S. S. Labrador, N 41° 55′, W. 48° 20′	.....	.....	68.9	20 5	.....	sw.	.....	.....	5	.....	2	.....	ssw.	½ h'r	½ h'r	sm'h	sw.	clear.
S. S. Bohemia, N. 50° 20′, W. 2° 10′	.....	.....	.....	.....	.....	sse.	.....	.....	3–5	.....	3	.....	se.	.....	.....	sm'h	se.	clear.
S. S. Westphalia, N. 47° —′, W. 28° 11′	.....	.....	45	7.2	.....	nw.	.....	.....	6	.....	5	.....	nw.	3 h'r	3 h'r	h'vy	nw.	squally.
S. S. Virginian, N 41° 27′, W. 51° 38′	.....	.....	36	2.2	.....	n.	.....	.....	5	.....	.....	.....	.....	4 h'r	4 h'r	mod.	w.	snowy.
S. S. Archimede, (It) N. 38° 34′, W. 69° 05′ †	30.20	767.1	50	10.0	.....	wnw.	.....	.....	4	.....	2	.....	wnw.	0	0	r'gh	var.	clear.
S. S. Picqua, Gibraltar, Mediterranean†	29.90	759.4	56	13.3	87	e.	.....	.....	4	.....	.....	.....	.....	0	0	.....	.....	overcast.
S. S. Oregon, (Br.) N. 43° 01′, W. 65° 10′	30.01	762.2	33	0.6	.....	nnw.	.....	.....	1	.....	2	.....	W.	0	0	mod	ne.	fine.
S. S. City of Merida, N. 18° 38′, W. 92° 45′	.....	.....	78.8	26	.....	e.	.....	.....	4	.....	8	.....	e.	0	0	light	ne.	fine.
S. S. Canada, (Br) N. 44° 02′, W. 34° 25′†	29.83	757.7	49	9.4	.....	wnw.	.....	.....	4	.....	10	nnw.	wnw.	0	0	mod	nw.	cloudy.
S. S. Helvetia, N. 50° 54′, W. 18° 00′	29.11	739.4	55	12.8	90	sse.	.....	.....	5	.....	2	.....	.....	0	0	long	ese.	clear.
S. S. Neckar, N. 43° 28′, W. 39° 35′	29.84	757.9	49.1	9.5	86	sw.	.....	.....	3	.....	5	.....	sw.	6 h'r	6 h'r	r'gh	sw.	light rai
S. S. Rhein, N. 47° 37′, W. 18° 45′	29.13	739.9	.....	.....	.....	wsw.	.....	.....	6	.....	4	.....	W.	0	0	high	w.	squally.
S. S. Belgenland, N. 40° 07′, W. 66° 44′	.....	.....	44	6.7	92	nw.	.....	.....	5	.....	.....	.....	n.	0	0	mod.	nw.	clear.
S. S. Pennland, N. 46° 18′ W. 25° 00′	.....	.....	47	8.3	92	nw.	.....	.....	6	.....	6	.....	nw.	7 h'r	7 h'r	high	nnw.	fair.
S. S. Waesland, New York, N. Y.	30.18	766.6	35	1.7	.....	wsw.	.....	.....	6	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. P. Caland, N. 40° 04′, W. 51° 46′	.....	.....	65.5	18 6	83	sw.	.....	.....	6	.....	3	.....	sw.	0	0	6	sw.	
S. S. Zaandam, N. 47° 26′, W. 31° 15′	.....	.....	48.6	9.2	84	wsw.	.....	.....	5	.....	4	.....	W.	0	0	r'gh	nnw.	fair.
S. S. Maasdam, N. 44° 54′, W. 21° 51′*	29.44	747.8	56	13.3	87	wnw.	.....	.....	6	.....	4	.....	nw.	1 h'r	1 h'r	6	nw.	fair.
S. S. State of Nebraska, N. 43° 22′, W. 44° 12′*†	29.68	753.9	62	16.7	.....	wsw.	.....	.....	6	.....	6	.....	W.	0	0	sm'h	.....	cloudy.
S. S. State of Nevada, Glasgow, Scotland†*	29.90	759.4	55	12.8	.....	ne.	.....	.....	4	.....	2	.....	e.	0	0	.....	.....	clear.
S. S. Saxon, N. 41° 00′, W. 71° 30′*†	30.09	764.3	35	1.7	.....	wsw.	.....	.....	2	.....	5	.....	.....	0	0	.....	.....	fine.
S. S. Lepanto, Antwerp, Belgium	.....	.....	57	13.9	.....	ssw.	.....	.....	1	.....	4	.....	wsw.	.....	.....	.....	.....	fine.
S. S. Marengo, N. 49° 20′, W. 10° 04′	.....	.....	54	12.2	.....	sse.	.....	.....	7	.....	6	.....	se.	1½ h'r	1½ h'r	r'gh	sse.	squally.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
										Amount and kind.		Direction.						
						Direction.	Velocity		Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Schr. Arthur Burton, N. 23° 00′, W 66° 44′†	30.11	764.8	.....	.....	.....	se.	.....	.....	2	.....	5	.....	se.	2 h'r	2 h'r	chop	ese.	rain-squalls
Bg. Abbie Clifford N. 35° 48′ W. 59° 12′	.....	.....	63	17.2	.....	nw.	.....	.....	5	.....	10	.....	nw.	.....	.....	r'gh	wsw.	cloudy.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	30.01	762.2	78	25.6	.....	calm	.....	.....	0	.....	4	.....	e.	½ h'r	½ h'r	.....	.....	clear.
S. Annie, N. 22° 49′, W. 59° 54′ *	30.11	764.8	.....	.....	.....	ene.	.....	.....	4	.....	3	.....	ene.	0	0	mod.	ene.	clear.
Schr. Abbie H. Gheen, Springwood Mills, S. C. *†	30.30	769.6	48	8.9	.....	nnw.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	clear
Bk. Alpha, N. 23° 00′, W. 23° 00′ *†	30.06	763.5	67	19.4	.....	w.	.....	.....	4	.....	6	.....	nw.	1 h'r	1 h'r	long	n.	squally.
Bk Achille F., N. 5° 45′, W. 36° — * †	29.98	761.5	80.5	26.9	87	ne.	.....	.....	4	.....	5	.....	nne.	0	0	mod.	var.	lt. squalls.
Bk. Bore, N. 33° 28′, W 17° 27′*†	29.74	755.4	66	18.9	.....	wnw.	.....	.....	3	.....	3	.....	wnw.	6 h'r	6 h'r	long	nw.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.99	761.7	78	25.6	.....	sse.	.....	.....	4	.....	10	.....	ene.	12 h'r	12 h'r	.....	.....	cloudy.
Bk. Cato, Oporto, Portugal†	29.85	758.2	59	15.0	88	s.	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	rainy.
Bk. C. S. Bushnell, N. 39° 05′, E. 15° 06′	30.27	768.8	.....	.....	.....	sw.	.....	.....	1	.....	1	.....	sw.	0	0	sm'h	.....	clear.
S. David Stewart, N. 15° 25′, W. 67° 00′	.....	.....	78	25.6	.....	e.	.....	.....	5	.....	5	.....	ene.	light	light	mod.	ene.	squally.
Schr. Edith R. Seward, Orchilla Island, Venezuela	.....	.....	80	26.7	.....	e.	.....	.....	2	.....	3	.....	e.	0	0	.....	.....	clear.
Bk. Esmeralda, N. 57° 50′, E. 8° 29′	30.19	766.8	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	light	sw.	hazy.
U.S. Fish Com. S. S. Fish Hawk, Cape Lookout, N. C.†	30.32	770.1	.....	.....	.....	ene.	.....	.....	3	.....	6	.....	ne.	0	0	.....	.....	cloudy.
S. Frank N. Thayer, N. 2° 16′, W. 26° 12′*†	29.97	761.2	81	27.2	78	ene.	.....	.....	4	.....	8	.....	.....	2 h'r	2 h'r	light	.....	
S. Grecian, N. 1° 00′, W. 36° 16′	.....	.....	80	26.7	91	ne	.....	.....	2	.....	4	.....	ne.	0	0	mod.	ne,	clear.
Bk. Galeon, N. 30° 34′, W. 14° 30′	.....	.....	61	16.1	.....	nw.	.....	.....	3	.....	10	.....	.....	4 h'r	4 h'r	.....	nw.	raining.
S. Gatherer. N. 4° 55′, W. 28° 40′	.....	.....	82	27.8	83	ne.	.....	.....	5	.....	8	.....	ne.	0	0	.....	nne.	cloudy.
Bk. Heinrich & Tonio, N. 40° 33′, W. 23° 00′ *†	29.69	754.1	55	12.8	100	nw.	.....	.....	4	.....	2	.....	nw.	10 h'r	10 h'r	high	nw.	clear.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	.....	.....	80	26.7	.....	ne.	.....	.....	6	.....	5	.....	ne.	0	0	.....	.....	
S. Henry Failing, N. 5° 56′, W. 38° 58′	.....	.....	84	28.9	75	n.	.....	.....	5	.....	4	.....	nne.	0	0	long	nne.	clear.
Schr. Jennie N. Huddell, Smithville, N. C†	30.37	771.4	45	7.2	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. John Welsh, jr., Barbadoes, W. I.	.....	.....	.....	.....	.....	ene.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W. I *†	30.11	764.8	.....	.....	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Orinoco river, Venezuela	29.95	760.7	78	25.6	.....	ene.	.....	.....	2	.....	3	.....	ene.	0	0	.....	.....	clear.
Bg. L & W. Armstrong, Pointe à Pitre, Guadeloupe, WI†	30.02	762.5	.....	.....	.....	e	.....	.....	1	.....	1	.....	e.	1 h'r	1 h'r	.....	.....	line.
Light-house tender Laurel, off Long Key, Fla†	30.17	766.3	77	25.0	.....	ne.	.....	.....	3–4	.....	3	.....	ne.	0	0	.....	.....	clear.
S. S. Madrid, Benisa, Spain	.....	.....	72	22.2	80	ssw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W. I*†.	30.04	763.0	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	rain	rain	.....	.....	clear.
Bk. Rosalie, N. 52° 12′, W. 6° 10*†	29.82	757.4	.....	.....	.....	s.	.....	.....	5	.....	7	.....	ssw.	0	0	long	ssw.	cloudy.
Bk. Rosina, N. 38° 32′, W. 39° 37′	30.06	763.5	62	16.7	.....	w.	.....	.....	5	.....	10	.....	wnw.	6 h'r	6 h'r	large	nw.	gloomy.
Bk. Sunbeam, Lisbon, Portugal†	29.80	756.9	61	16.1	94	sse	.....	.....	5	.....	10	.....	sse.	12 h'r	12 h'r	.....	.....	rainy.
S. Stephen D. Horton, N. 49° 33′, W. 4° 45′†	29.96	761.0	.....	.....	.....	sse.	.....	.....	4	.....	4	.....	ssw.	0	0	long	w.	fine.
S. Tsemogora, N. 37° 51′, W. 34° 16′ *†	30.00	762.0	.....	.....	.....	nw.	.....	.....	3	.....	8	.....	nw.	10 h'r	10 h'r	long	nw.	fine.
Bk. Tros, N. 26° 40′, W. 28° 31′ *†	30.18	766.6	65	18.3	.....	wnw.	.....	.....	5	.....	3	.....	n.	0	0	long	nw.	
S. Vincenzo Accame, N. 39° 12′, E 6° 30′†	30.30	769.5	62.6	17	.....	ese.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, S. Africa	29.87	758.7	68	20.0	69	sse.	12	5.4	.....	.....	2	.....	sse.	0.02	0.5	sm'h	.....	fair.
U. S. S. Pensacola, S. 21° 53′, E. 10° 42′	30.09	764.3	76	24.4	64	ese.	.....	.....	1	.....	8	.....	ese.	light	light	light	ese.	fair.
H. M. S. Amethyst, Stanley, Falkland Islands	29.16	740.7	53	11.7	86	wnw.	.....	.....	3–4	.....	3	.....	nw.	.....	.....	.....	.....	squally.
H. M. S. Boadicea, Shark's Point, Guinea	29.88	758.9	89	31.7	96	s.	.....	.....	2	.....	1	.....	ssw.	.....	.....	.....	.....	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	30.05	763.3	66	18.9	94	se.	.....	.....	3	.....	6	.....	se.	.....	.....	.....	.....	d. clouds.
H. M. S. Sylvia, Montevideo, Uruguay	29.92	760.0	69.7	20.9	95	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	raining.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela.	29.86	758.4	75.2	24.0	56	wnw.	.....	.....	5	.....	2	.....	.....	0	0	2	.....	blue sky.
S. S. Archimedes, (Br) S. 11° 27′, W. 34° 52′	29.98	761.5	.....	.....	.....	ese.	.....	.....	3	.....	4	.....	ese.	¼ h'r	¼ h'r	light	se.	fine.
S. S. Hevelius, S. 22° 00′, W. 40° 00′*†	30.20	767.1	82	27.8	.....	ene.	.....	.....	2	.....	5	.....	ene.	0	0	sm'h	.....	fair.
Bk. Horace Scudder, S. 3° 10′, E 10° 28′*†	30.00	762.0	82	27.8	.....	s.	.....	.....	2	.....	5	.....	sw.	1 h'r	1 h'r	.....	.....	hazy.
S. Ismir, S. 22° 30′, W. 26° 48′ *†	30.00	762.0	.....	.....	.....	sw.	.....	.....	3	.....	10	.....	sw.	rain	rain	mod.	s.	
Schr. Jas. Slater, S. 0° 20′, W. 47° 05′*†	30.22	767.6	83	28.3	.....	ene.	.....	.....	3	.....	5	.....	e.	0	0	mod.	ene.	
Bkt. Levanter, S. 33° 10′, W. 41° 28′ *.	30.10	764.5	76	24.4	.....	ne.	.....	.....	2	.....	2	.....	e.	0	0	light	ne.	clear.
S. S. Mendoza, S. 13° 40′, W. 33° 40′†	30.10	764.5	.....	.....	.....	e.	.....	.....	3	.....	.....	.....	e.	0	0	sm'h	e.	clear.
S. S. Leipzig, S. 21° 18′, W. 40° 25′*	30.08	764.0	81.0	27.2	98	calm	.....	.....	0	.....	4	.....	n.	0	0	long	ese.	fair.
U. S. S. Shenandoah, Montevideo, Uruguay*	29.91	759.7	70	21.1	100	nne.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	overcast.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	.....	.....	44	6.7	96	n.	.....	.....	1	.....	10	.....	n.	0.19	4.8	.....	.....	light rain.
U. S. S. Alert, Shanghai, China	30.06	763.5	51	10.6	93	ne.	.....	.....	3	.....	10	.....	ne.	.....	.....	.....	.....	rainy.
U. S. S. Essex, N. 30° 55′, E. 127° 42′	29.84	757.9	59	15.0	94	nw.	.....	.....	5	.....	10	.....	.....	.....	.....	mod.	nw.	raining.
U. S. S Juniata, Roze Island, Corea	29.90	759.4	37	2.8	80	nw.	.....	.....	5	.....	0	.....	.....	light	light	.....	.....	clear.
H. M. S. Palos, Woosung, China	30.03	762.7	46	7.8	100	n.	.....	.....	5	.....	10	.....	n.	.....	.....	mod.	n.	cloudy.
H. M. S. Audacious, Hong Kong, China	29.96	761.0	72	22.2	95	ene.	.....	.....	1	.....	10	ene.	.....	.....	.....	.....	.....	misty.
H. M. S. Cleopatria, N. 24° 26′, E 118° 04′	30.06	763.5	70	21.1	80	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	
H. M. S. Champion, Shanghai, China	.....	.....	49	9.4	85	n.	.....	.....	3	.....	5	.....	.....	.....	.....	.....	.....	raining.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	.....	.....	61.2	16.2	91	sw.	.....	.....	2	.....	8	.....	.....	.....	.....	2	.....	d. clouds.
H. M. S. Magpie, N. 1° 17′. E. 103° 51′	29.84	757.9	79.5	26.4	86	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	misty.
H. P. M. S. Tamega, Macao, China	29.96	761.0	69.8	21	90	nw.	.....	.....	1	.....	2	.....	.....	0	0	1	.....	foggy.
U. S. S. Monocacy, Canton, China	29.90	759 4	72	22.2	90	se.	.....	.....	2	.....	10	.....	s.	.....	.....	.....	.....	misty.
S. S. Newbern, N. 23° 30′, W. 107° 18′	.....	.....	70	21.1	75	nw.	.....	.....	5	.....	10	.....	nnw.	0	0	mod.	wnw.	cloudy.
S. S. City of Chester, near Pt. Arena, Cal †	30.00	762.0	52	11.1	86	nw.	.....	.....	2	.....	0	.....	.....	0	0	long	w.	
S. S. Oregon, N. 40° 27′, W. 124° 35′ †	30.10	764.5	51	10.6	86	n.	.....	.....	3	.....	2	.....	nnw.	.....	.....	mod.	nw.	clear.
S. S. Alameda, N. 36° 39′, W. 125° 01′ †	29.92	760.0	52	11.1	79	nw.	.....	.....	3	.....	.....	.....	nne.	0	0	light	w.	fine.
S. S. Ancon, Piedras Blanca, Cal †	30.03	762.7	55	12.8	87	calm	.....	.....	0	.....	5	.....	e.	0	0	light	wsw.	foggy.
S. S. Geo. W. Elder, San Francisco, Cal	.....	.....	53	11.7	93	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. State of California, N. 34° 36′, W. 120° 28′†	30.00	762.0	56	13.3	86	nw.	.....	.....	3	.....	0	.....	.....	.....	.....	long	sw.	clear.
S. S. City of Pekin, N. 34° 05′, E 137° 48′ †	29.62	752 3	53	11.7	93	s.	.....	.....	5	.....	10	.....	.....	.....	.....	small	se.	rainy.
S. S. City of Rio de Janeiro, N 22° 45′, W. 155° 46′†	30.10	764.5	72	22.2	.....	ene.	.....	.....	5	.....	.....	.....	ne.	.....	.....	long	nw.	cloudy.
S. S. City of Tokio, N. 33° 45′, E 162° 16 †	30.19	766.8	53	11.7	54	nw.	.....	.....	0	.....	0	.....	.....	.....	.....	r'gh	nw.	clear.
S. S. Colima, N. 23° 10′, W. 107° 30′†	29.99	761.7	68	20.0	79	sw.	.....	.....	4	.....	9	.....	w.	0	0	mod.	wsw.	cloudy.
S. S. Granada, Acajutla, San Salvador†	29.96	761.0	82	27.8	87	calm	.....	.....	0	.....	0	.....	.....	0	0	light	.....	clear.
S. S. San Blas, N. 35° 12′, W. 122° 00′†	30.02	762.5	54	12.2	87	wsw.	.....	.....	3	.....	10	.....	wnw.	c	0	h'vy	sw.	misty.
S. S. San Jose, N. 13° 26′, W. 89° 34′†	29.92	760.0	79	26.1	91	n.	.....	.....	1	.....	0	.....	.....	0	0	small	sse.	clear.
S. S. Zealandia, N. 18° 39′, W. 158° 43′	30.01	762.2	76	24.4	82	e.	.....	.....	4	.....	0	.....	.....	.....	.....	mod.	e.	clear.
S. S. Benalder, N. 31° 30′, E. 128° —	29.85	758.2	60	15.0	94	nnw.	.....	.....	4–5	.....	6	.....	nw.	3 h'r	3 h'r	mod.	sw.	rainy.
S. J. W. Gildemeister, N. 6° 10′, E. 114° 20′	29.87	758.7	79.7	26.5	88	ne.	.....	.....	3	.....	0	.....	.....	0	0	3	ne.	blue sky.
S. S. Richmond, Woosung, China	30.06	763.5	52	11.1	93	n.	.....	.....	0	.....	10	.....	n.	3.7	94.	.....	.....	rainy.
S. S. Oceanic, N. 34° 46′, W. 158° 58′	30.36	771.1	57	13.9	75	w.	.....	.....	4	.....	6	.....	w.	0	0	4	w.	fair.
District No. 4—South Pacific.																		
U. S. S. Plata, S. 50° 13′, W. 74° 45′	29.26	743.2	45	7.2	100	wnw.	.....	.....	1	.....	10	.....	calm	.....	.....	.....	.....	rainy.
U. S. S. Wachusetts, Valparaiso, Chili	29.96	761.0	60	15.6	76	calm	.....	.....	0	.....	5	.....	calm	.....	.....	long	ene.	fair.
H. M. S. Espiegle, S. 30° 50′, E. 174° 49′	29.98	761.5	64	17.8	83	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.02	762.5	62.3	16.8	81	ene.	.....	.....	1	.....	9	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Mutine, S. 13° 42′, W 77° 16′	29.99	761.7	72	22.2	.....	se.	.....	.....	3	.....	2	.....	.....	.....	.....	1	s.	blue sky.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.90	761.0	72	22.2	90	se.	.....	.....	2	.....	7	n.	.....	.....	.....	.....	.....	d. clouds.
S. S. City of Sydney, Sydney, N. S. W *†	30.25	768.3	63	17.2	89	ssw.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	.....	rainy.
S. S. Port Phillip, S. 6° 27′, E. 152° 43′	29.96	761.0	82	27.8	.....	nw.	.....	.....	2	.....	.....	.....	.....	.....	.....	sm'h	e.	clear.
U. S. S. Onward, Callao, Peru *†	30.06	763.5	72	22.2	95	sse.	.....	.....	2	.....	8	.....	se.	.....	.....	sm'h	.....	fair.
U. S. S. Iroquois, Coquimbo, Chili	30.01	762.2	64	17.8	89	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.92	760.0	74	23.3	81	se.	.....	.....	1	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 15° 02′, E. 55° 10′	29.96	761.0	82	27.8	79	e.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	e.	clear.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.93	760.2	83	28.3	87	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 26° 31′, E. 78° 52′*	30.02	762.5	.....	.....	.....	ne.	.....	.....	2	.....	5	.....	nw.	0	0	mod	sw.	fair.

International Chart I. March 16, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 17, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
ALGERIAN.																			
Nemours	.....	.....	29.93	760.2	66.6	19.2	79	n.	.....	.....	3	.....	3	.....	.....	0	0	pretty fair...	Roziere.
Algiers	.....	.....	30.13	765.4	68.0	20.0	55	n.	.....	.....	3	.....	0	.....	.....	0	0	clear.....	Théve.
La Calle	.....	.....	30.24	768.2	68.4	20.2	78	s.	.....	.....	5	.....	1	.....	.....	0	0	very fair.....	Fonfrède.
Tunis	.....	.....	30.30	769.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.12	765.0	52.5	11.4	48	se.	.....	.....	6	.....	2	.....	.....	0	0	fair	Forfert.
Laghouat	.....	.....	30.24	768.0	63.0	17.2	.....	ese.	.....	.....	3	.....	9	.....	.....	0	0	covered.....	Abraham.
Biskra	.....	.....	30.28	769.2	64.8	18.2	67	e.	.....	.....	3	.....	4	.....	.....	0	0	cloudy.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.27	768.8	64.8	18.2	32	sw.	7	3.1	.....	1 c	.....	.....	.....	0	0	fine.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.25	768.3	30.44	773.2	50.2	10.1	82	nw.	5	2.2	.....	.....	2	.....	nnw.	0	0	foggy.....	Com. J. Shortt, R.N.
Melbourne, Victoria	30.24	768.1	30.33	770.4	52.2	11.2	79	se.	5	2.2	.....	.....	0	.....	.....	0	0	fine.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.76	755.9	30.32	770.0	53.8	12.1	32	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.45	748.1	30.23	767.9	50.7	10.4	39	w.	3.1	1.4	.....	.....	0	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.38	746.3	30.28	769.1	48.6	9.2	52	calm	.....	.....	0	3 cs	.....	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.99	736.3	30.25	768.4	52.3	11.3	59	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.83	732.3	30.30	769.5	49.5	9.7	40	ese.	.....	.....	3	.....	5	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.88	733.5	30.24	768.0	50.4	10.2	74	calm	.....	.....	0	.....	0	.....	.....	0	0	clear.....	The Staff.
Lemberg	29.24	742.7	30.26	768.6	43.5	6.4	62	w.	.....	.....	2	.....	2	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	30.21	767.3	30.42	770.1	58.3	14.6	65	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.82	757.5	30.30	769.6	48.0	9.4	52	n.	.....	.....	3	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	30.00	762.0	30.29	769.3	51.1	10.6	39	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.26	768 5	30.35	771.0	56.3	13.5	43	nw.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.56	750.8	30.28	769.2	52.5	11.4	55	se.	.....	.....	1	.....	0	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.80	731.5	30.17	766.2	63.3	17.4	44	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....
Brussels	29.94	760.5	30.14	765.5	63.7	17.6	45	s.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....
Furnes	30.09	764.3	30.11	764.8	65.3	18.5	57	ssw.	.....	.....	0–1	.....	0	.....	.....	0	0	.....	.....
Maeseyck	30.04	763 0	30.17	766.2	68.9	20.5	54	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.79	756.7	29.89	759.2	54.7	12.6	72	sse.	13	5.8	.....	.....	5	.....	.....	0.010	0.3	misty.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.91	759.7	59.0	15.0	63	se.	23	10.3	.....	.....	7	.....	.....	.....	.....	d. clouds....	John Hartnup.
Bolton, Sharples	29.39	746.5	29.92	760.0	61.5	16.4	62	s	12	5.4	.....	.....	5	.....	.....	.....	.....	d. clouds....	Thomas Mackereth.
Bradford, Yorkshire	29.57	751.1	29.96	761.0	61.0	16.1	53	s	.....	.....	2	.....	4	.....	.....	0	0	d. clouds....	McLandsborough Preston.
Bridgetown, Barbadoes, W.I	30.00	762.0	30.03	762.7	79	26.1	66	ne.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds....	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	60.6	15.9	59	sw.	.....	.....	0.6	.....	2	.....	.....	.....	.....	d. clouds....	John McLaren.
Chatham, School M. E.	29.92	760.0	30.09	764.3	63.2	17.3	57	sw.	.....	.....	1	.....	4	.....	.....	.....	.....	misty.....	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.75	755.6	29.97	761.2	53.6	12.0	88	sse.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.	The Staff.
Fort Napier, Natal	27.74	704.6	30.05	763.3	63.2	17.3	86	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	gloomy.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.68	753.9	29.72	754.9	52	11.1	79	sw.	.....	.....	1	.....	7	.....	.....	0.03	0.8	gloomy.....	Wm. Ryan.
Gibraltar, Mediterranean	29.64	752.8	29.75	755.6	63.8	17.7	81	e.	.....	.....	6	.....	7	.....	.....	.....	.....	gloomy.....	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.90	759.4	30.06	763.5	66.9	19.4	54	ssw.	.....	.....	2	.....	3	.....	.....	.....	.....	blue sky.....	The Staff.
Guernsey	29.76	755.9	30.05	763.3	56.2	13.4	92	s.	.....	.....	3	c	8	.....	.....	.....	.....	d. clouds....	A. Collenette, F.R.M.S
Kew, Observatory	30.02	762.5	30.06	763.5	61.4	16.3	56	s.	15	6.7	.....	.....	5	.....	.....	.....	.....	d. clouds....	The Staff.
Leicester, Museum	29.74	755.4	29.98	761.5	65.3	18.5	51	s.	.....	.....	3	.....	3	.....	.....	.....	.....	d. clouds....	J. C. Smith.
Malta, Mediterranean	30.20	767.1	30.28	769.1	60.4	15.8	68	ne.	.....	.....	2	.....	4	.....	.....	0	0	d. clouds....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.19	766.8	30.24	768.1	73.0	22.8	72	ne.	.....	.....	3	.....	7	.....	.....	.....	.....	d. clouds....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.79	756.7	30.02	762.5	60.7	15.9	66	se.	.....	.....	4	.....	4	.....	.....	.....	.....	blue sky.....	The Staff.
Plymouth	29.90	759.4	29.98	761.5	54.2	12.3	85	se.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast.....	John Merrifield.
Sandwick Manse, Orkneys	29.68	753 9	29.78	756.4	54	12.2	80	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	d. clouds....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.23	767.8	30.30	769.6	39.0	4.2	66	nne.	.....	.....	2	.....	10	.....	.....	.....	.....	gloomy.....	W. H. Lyne.
Sheffield	29.72	754 9	29.99	761.7	65.1	18.4	56	ssw.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky.....	W. F. Cooper.
Silloth Rectory	29.86	758.4	29.89	759.2	56.4	13.6	82	n.	.....	.....	1	.....	7	.....	.....	0.090	2.3	d. clouds....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.96	761.0	61.1	16.2	55	sse.	19	8.5	.....	.....	4	.....	.....	0.118	3.0	d. clouds....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	64.1	17.8	66	se.	.....	.....	1.0	.....	7	.....	.....	.....	.....	d. clouds....	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.76	755.9	29.79	756.7	52.7	11.5	80	s.	34	15.2	.....	.....	7	.....	.....	.....	.....	misty.....	The Met'g'l Office.
Sub-series.																			
Goro, Episcopal Seminary	29.95	760.7	30.34	770.6	60.4	15.8	52	e.	6.2	2.8	.....	0	2 n	.....	e.	0	0	clear.....	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.82	757.4	29.93	760.2	68.0	20.3	100	se.	13	5.8	.....	.....	9 k	.....	ssw.	0	0	cloudy.....	The Staff.
CANADIAN.																			
Bathurst, N. B	30.22	767.6	30.26	768.6	13.0	—10.6	.....	calm	0	0	.....	0	2 n	.....	.....	0	0	blue sky.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.21	767.3	30.26	768.6	13	—10.6	68	w.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear.....	H. J. Cundall, C. E.
Chatham, N. B*	30.24	768.1	30.31	769.9	— 3	—19.4	100	w.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	G. A. Blair.
Cornwall, Ontario	29.767	755.92	29.967	761.02	31.0	— 0.6	90	ne.	.....	.....	1	.....	10 n	.....	.....	0.030	0.8	snowing.....	Jas. Smith, M. A.
Dalhousie, N. B	30.24	768 1	30.20	769 4	—1.0	—18.3	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	H. A. Johnson.
Father Point, Quebec*	30.22	767.6	30.25	768.3	5	—15.0	91	s.	10	4.5	.....	0	0	.....	.....	0	0	clear.....	J. McWilliams
Fort Garry, Manitoba*	29.40	746.7	30.33	770 4	1	—18.3	100	w.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	James Stewart.
Fredericton, N. B	30.27	768.8	30.35	770.9	—2.9	—19.4	100	w.	1	0.4	.....	0	0	.....	.....	0	0	blue sky.....	Dr. Thos. Harrison.
Grand Manan, N. B	30.27	768.8	30.33	770.4	24	— 4.4	73	calm	0	0	.....	5 c	0	.....	.....	0	0	light haze...	J. Chipman Seeley
Granton, Ontario	28.89	733.8	30.02	762.5	38.0	3.3	100	sw.	5	2.2	.....	.....	10 n	.....	.....	0.270	6.9	raining.....	Jas. Grant.
Halifax, N. S*	30.19	766.8	30.33	770.4	15	— 9.4	96	w	2	0.9	.....	0	0	.....	.....	0	0	clear.....	A. Allison.
Hamilton, Ontario	29.58	751.3	30.00	762.0	32.7	0.4	92	w.	.....	.....	4	10 cs	0	sw.	.....	0.100	2.5	overcast.....	Geo. Dickson, B. A.
Kingston, Ontario*	29.65	753.1	30.00	762 0	33	0.6	89	s.	20	8.9	.....	.....	10 k	.....	s.	inap.	inap.	cloudy.....	A. P. Knight, M. A.
Little Grace Bay, N. S	30.12	765.0	30.16	766.1	20.0	— 6.7	92	w.	2	0.9	.....	0	2 ks	.....	.....	0	0	blue sky.....	C. H. Rigby.
London, Ontario	29.10	739.1	30.02	762.5	39.7	4.3	91	calm	.....	.....	0	.....	10 n	.....	.....	0.050	1.3	overcast.....	E. B. Reed.
Medicine Hat, N. W. T	27 50	698.5	29.86	758.4	27	— 2.8	92	s	20	8.9	.....	0	0	.....	.....	0	0	clear.....	John Ewart.
Minnedosa, N. W. T	28.19	716.0	30.32	770.1	3	—10.1	96	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	29.87	758.7	30.09	764.3	24	— 4.4	96	se.	18	8.0	.....	.....	10 n	.....	.....	0.08	2.0	light snow..	C. H. McLeod, C. E.
Ottawa, Ontario	29.78	756.4	30.01	762.2	27.2	— 2.7	91	sse.	.....	.....	.....	.....	10 s	.....	.....	.....	.....	snowing.....	A. McGill, M. A.
Parry Sound, Ontario*	29.23	742.4	29.94	760.5	34	1.1	89	w.	12	5.4	.....	.....	10 n	.....	w.	0.25	6.3	cloudy.....	Rev. R. Mosley.
Peterboro, Ontario	29.20	741.7	29.95	760.7	38.7	3.7	88	nw.	.....	.....	1	.....	10 ks	.....	.....	0	0	overcast.....	Wm. O'Connor, M.A.
Port Arthur	29.48	748.8	30.22	767.6	21	— 6.1	84	w.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.33	745.0	30.04	763.0	40	4.4	82	sw.	10	4.5	.....	.....	10 ks	.....	.....	0	0	cloudy.....	H. Morgan
Port Stanley, Ontario	29.39	746.5	30.06	763 5	36	2.2	79	w.	11	4.9	.....	.....	10 n	.....	w.	0	0	cloudy.....	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec*	29.80	756.9	30.10	766.8	15	— 9.4	91	calm	0	0	.....	10 cs	0	.....	.....	0	0	cloudy.....	Capt. Asse, R. N.
Rockliffe, Ontario	29.41	747.0	29.89	759.2	20	— 3.3	88	se.	2	0.9	.....	.....	10 s	.....	w.	0.10	2.5	light snow..	W. H. McIntyre.
St. Andrews, N. B	30.25	768.3	30.31	769.9	17	— 8.3	93	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	
St. John, N. B	30.17	766.3	30.32	770.1	16.5	— 8.6	83	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.00	762.0	23.0	— 5.0	.....	n.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	cloudy	.....
Stratford, Ontario	29.25	742.9	29.99	761.7	35	1.7	89	w.	6	2.7	.....	.....	10 s	.....	.....	0.13	3.3	raining.....	W. McBride, M.A.
	28.73	729.7	30.04	763.0	38.0	3.3	89	w.	2	0.9	.....	.....	10 s	.....	.....	.....	.....	.....	.....

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	WIND. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	CLOUDS. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS
CANADIAN.—Continued.																			
Sydney, C. B*	30.11	764.8	30.18	766.6	18	— 7.8	84	w.	8	3.6	.....	8 c	o	w.	.....	o	o	fair	T.C.Hill, C.E.
Toronto, Ontario*	29.60	751.8	29.99	761.7	37	2.8	72	sw.	16	7.2	.....	.....	10 ks	.....	w.	o	o	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.94	735.1	30.03	762.7	38.7	3.7	86	s.	18	8.0	.....	.....	10 s	.....	.....	o	o	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.28	769.1	30.35	770.9	23	— 5.0	70	se.	2	0.9	.....	o	o	.....	.....	o	o	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.19	766 8	30.22	767.6	68.5	20.3	87	se.	.....	.....	.....	o	5 s	.....	.....	0.480	12.2	fine	I. Garfelt.
Cape Town, The Castle	29.89	759.2	.....	.....	81.5	27.5	37	nne.	.....	.....	.....	o	o	.....	.....	0.03	0.8	.....	Capt.R.Gardner Warton
Springbok Fontein	27.91	708.9	.....	.....	85	29.4	46	.....	.....	.....	.....	.....	.....	.....	.....	o	o	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	29.43	747.6	29.54	750.3	50.0	10.0	81	e.	.....	.....	1	.....	2 n	.....	w.	0.378	9.6	.....	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	57.2	14.0	96	sw.	.....	.....	1	1 k	.....	sw.	.....	o	o	clear	Leon Herrera.
Valparaiso	29.83	757.7	29.97	761.3	61.7	16.5	84	s.	.....	.....	1	o	o	.....	.....	....	.....	clear	Paez-I-Ampuero.
CHINESE (*sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.26	768.5	30.28	769.1	41.2	5.1	64	n.	11.2	5.0	.....	.....	10	.....	.....	o	o	covered	M.Marc Dechevrens,S. J.
DANISH.																			
Copenhagen	30.12	765 1	30.17	766.3	54.9	12.7	78	s.	7	3.1	.....	.....	o	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	30.13	765.3	30.15	765.8	54.1	12.3	67	sw.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	Overloerer Laurdsen.
Godthaab, Greenland	29.18	741.1	29.22	742.2	8.1	—13.3	96	nne.	.....	.....	4	.....	3	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Gree. land	29.05	737.9	29.07	738.4	21.0	— 6.1	.....	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....
Stykkisholm, Iceland	28.95	735.2	28 99	736.3	42.1	5 6	85	s.	.....	.....	6	.....	10	.....	.....	.....	.....	raining	A. O. Thoriacius.
Thorshavn	29.61	752.1	29.63	752.7	48.0	8.9	98	s.	11	5	.....	.....	10	.....	.....	.....	.....	raining	Overloerer Bergh.
Upernavik, Greenland	29.64	752.9	29.69	754.1	—25.1	—31.7	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....
Vestervig	30.05	763.2	30.14	765.5	49.5	9.7	94	wsw.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	Loerer Oesterhol.
EGYPTIAN.																			
Cairo	29.90	759.4	.....	.....	59.9	15.5	.....	nw.	4.9	2.2	.....	.....	10	.....	.....	o	o	covered	Albert Ismatun, Dir.
FRENCH.																			
Agen, Normal School	29.54	750.2	30.19	766.7	66.6	19.2	64	s.	.....	.....	1	1 c	.....	.....	.....	o	o	.....	M. Labroue, Director.
Alençon, Normal School	29.60	751.9	30.15	765.9	54.3	12.4	76	s.	.....	.....	1	.....	1 s	.....	n.	o	o	clear	M. Nicot, Director.
Arras, Normal School	29.87	758.8	30.11	764.9	62.4	16.9	48	sw.	.....	.....	2	.....	5	.....	.....	o	o	cloudy	M. Ungerer, Director.
Avignon, Normal School	30.18	766.6	30.26	768.6	69.8	21.	32	sw.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. Giraud, Director.
Bar-sur-Seine	29.62	752.3	30.17	766.2	64.4	18.0	40	s.	.....	.....	2	.....	o	.....	.....	o	o	clear	M. Saillard, Director.
Beauvais, Normal School	29.88	759.0	30.15	765.7	59.0	15	50	ese.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. Frère Eugène Marie.
Besançon, Normal School	29.28	743.8	30.17	766.3	67.3	19.6	43	ene.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. Gobin, Director.
Bordeaux, Observatory	29.85	758.2	30.11	764.8	63.3	17.4	58	se.	.....	.....	1	.....	5	.....	.....	o	o	fair	M. Rayet, Director.
Bourges, Normal School	29.58	751.4	30.13	765.2	64.4	18.	29	e.	.....	.....	1	.....	1	.....	e.	o	o	clear	M. Sauvageot, Director.
Brest, Naval Observatory	29.82	757.5	30.06	763.6	64.0	17.8	72	s.	.....	.....	1	.....	3	.....	s.	o	o	.....	M. de Kermaréc, Dir.
Caen, Normal School	29.98	761.6	30.02	762.4	69.8	21.	94	s.	.....	.....	1	.....	2	.....	s.	o	o	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.84	757.8	30.15	765 9	65.3	18.5	43	s.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. Jadot, Director.
Charleville, Normal School	29.65	753 1	30.17	766.3	45.0	7.2	66	ene.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. Noël, Director.
Clermont-Ferrand Obs'y	28.80	731.6	30.13	765.3	66.6	19.2	23	s.	.....	.....	4	.....	o	.....	.....	o	o	.....	M. Alluard, Director.
Cluny, Normal School	29.36	745.8	30.15	765 8	64.4	18.	36	se.	.....	.....	1	.....	.....	.....	.....	o	o	.....	M. de Villemontée, Dir.
Commercy, Normal School.	29.35	745.6	30.20	767.0	61.9	16.6	44	wsw.	.....	.....	4	.....	o	.....	.....	o	o	clear	Dr. Coulet, Director.
Gap, Normal School	27.73	704.3	30.24	768.2	64.0	17.8	23	w.	.....	.....	1	.....	o	.....	.....	o	o	.....	M. Jarach, Director.
Grenasque, du Rhone	29.13	739 8	30.24	768.0	68.5	20.3	26	s.	.....	.....	1	.....	1	.....	s.	o	o	.....	M. Kina, Director.
Grenoble. Normal School	29.50	749.3	30.26	768.5	65.8	18.8	42	nne.	.....	.....	1	.....	o	.....	.....	o	o	.....	M. Abliard, Director.
Guéret, Normal School	28.56	725.4	30.13	765.2	59.0	15.	58	ne.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. Delorme, Dir.
Lambal e Normal School	29.76	755.8	30.03	762.8	61.5	16.4	68	ese.	.....	.....	1	.....	k	.....	ese.	o	o	.....	M. Pollpre, Dir.
Lescar, Normal School	29.50	749 4	30.04	763.1	74.5	23.6	20	ene.	.....	.....	1	.....	.....	.....	.....	o	o	.....	M. Ohnavin, Director.
Lorient, Naval Observatory	29.99	761.8	30.10	764.4	59.7	15.4	75	sse.	.....	.....	4	.....	5	.....	sse	o	o	½ covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	29.16	740 6	30.21	767.2	64.4	18.0	36	ssw.	.....	.....	4	.....	o	.....	.....	o	o	misty	M. André, Director.
Mans, Normal School	29.82	757.4	30.00	762.1	60.4	15.8	53	ssw.	.....	.....	1	5 ck	.....	.....	ssw.	o	o	cloudy	M. Richard, Director
Marseille, Observatory	30.00	762 0	30.27	768.8	67.1	19.5	53	wsw.	.....	.....	1	.....	1	.....	.....	o	o	.....	M. Stephan, Director.
Montlouis	25.02	635.5	29.86	758.5	49.6	9.8	31	wsw.	20.6	9.2	.....	.....	o	.....	.....	o	o	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	30.13	765.4	30.24	768.2	63.0	17.2	84	s.	.....	.....	2	.....	2	s.	.....	o	o	slightly cl'dy	M. Gaizin, Director.
Nancy, Normal School	29.43	747.4	30.19	766.8	65.5	18.6	63	s.	.....	.....	1	.....	.....	.....	.....	o	o	foggy	M. Hasse, Director.
Nantes, Observatory	29.98	761.6	30.15	765.7	65.7	18.7	52	se.	.....	.....	0–2	7 c;ck	.....	ssw.	.....	o	o	.....	M. Larocque, Director.
Perpignan, Observatory	30.11	761.9	30.22	767.7	64.6	18.1	48	se	9.4	4.2	.....	.....	o	.....	.....	o	o	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	21.28	540.4	.....	.....	33.3	0.7	.....	calm	.....	.....	o	.....	o	.....	.....	o	o	clear	M. Vaussenat, Director.
Privas, Normal School	29.18	741.2	30.23	767.9	64.8	18.2	35	calm	.....	.....	o	.....	o	.....	.....	o	o	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	25.29	642.4	.....	.....	45.3	7.4	44	s.	.....	.....	3	.....	o	.....	.....	o	o	.....	M. Alluard.
Rochefort, Naval Obs'y	30.09	764.3	30.12	765.1	68.0	20.0	50	sse.	.....	.....	2	.....	o	.....	.....	o	o	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.87	758.8	30.09	764.2	60.4	15.8	67	sse.	.....	.....	1	.....	.....	.....	.....	o	o	.....	M. Brotlier, Director.
Rodez, Normal School	28 04	712 2	30.20	767.1	58.6	14.8	39	w.	.....	.....	2	.....	1 k	.....	e.	o	o	clear	M. Seger, Director.
Rouen, Normal School	30.08	764.1	30.13	765.3	62.6	17	52	s.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. Mouillot, Dir.
Saint Maur, Observatory	30.00	762.1	30.17	766.3	62.4	16.9	33	ssw.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. Renou, Director.
Toulouse, Observatory	29.43	747.6	30.16	766.1	65.8	18.8	60	sse.	.....	.....	4	.....	2	.....	.....	o	o	slightly cl'dy	M. Baillaud, Director.
Tours	29.97	761.3	30.15	765.9	62.2	16.8	50	sse.	.....	.....	1	.....	o	.....	.....	o	o	clear	M. de Tastes.
Versailles, Observatory	29.67	753 5	30.16	766.0	62.6	17.0	40	sw.	.....	.....	1	.....	o	.....	.....	o	o	clear	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.94	760.5	30.09	764 3	70.5	21.4	49	s.	5.8	2.6	.....	3 c	.....	.....	nw.	o	o	.....	M. Cartier, Director.
GERMAN.																			
Ansbach	28.80	731.5	30.24	768.2	59.7	15.4	42	se.	.....	.....	2	.....	o	.....	.....	o	o	.....	Prof. Juedt.
Bamberg	29.37	746.1	30.22	767.7	57.7	14.3	50	ne.	.....	.....	1	.....	1 s	.....	.....	o	o	.....	Prof. Dr. Hoh.
Berlin	30.04	763 1	30.19	766.7	59.0	15.0	50	se.	.....	.....	1	.....	o	.....	.....	o	o	.....	Meteorological Institute
Breslau	29.72	755.1	30.26	768.7	53.1	11.7	25	ssw.	.....	.....	1	c	1	ne.	.....	o	o	.....	Royal University Obs'y
Carlsruhe	29.78	756 5	30.24	768.1	62.4	16.9	47	ese.	.....	.....	1	.....	o	.....	.....	o	o	.....	Albert Senz.
Cassel	29.48	748.8	30.19	766.9	65.8	18.8	44	s.	.....	.....	1	.....	3	sw.	.....	o	o	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.86	758.4	30.22	767.7	61.0	16.1	59	w.	.....	.....	1	.....	1	.....	.....	o	o	.....	Physical Society.
Friedrichshafen	28 81	731.8	30.25	768.3	51.8	11.0	71	sw.	.....	.....	1	.....	1	w.	.....	o	o	.....	Wilhelm, Chief Tel.
Hamburg	30.11	764.9	30.21	767 2	59.0	15.0	55	se.	.....	.....	2	.....	o	.....	.....	o	o	misty	E. Preiter.
Kiel	30.15	765.8	30.17	766.2	52.9	11.6	74	calm	.....	.....	o	.....	o	.....	.....	o	o	.....	Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.78	756.4	30.20	767.1	60.1	15.6	52	ssw.	.....	.....	1	.....	o	.....	.....	o	o	.....	H. Leppig, Asst.
Magdeburg	30.00	761 9	30.18	766.6	64.4	18.0	52	se.	.....	.....	1	.....	o	.....	.....	o	o	.....	Weather Observatory.
Memel	30.13	765.2	30.17	766.4	40.3	4.6	90	nw.	.....	.....	3	5 c	.....	.....	.....	.....	.....	.....	Issermann.
Munich	28.41	721.6	30.29	769.3	59.0	15.0	46	n.	.....	.....	1	.....	1	nw.	.....	o	o	.....	Central Station.
Neufahrwasser	30.17	766.2	30.18	766.6	54.1	12.3	64	sw.	.....	.....	1	.....	o	.....	.....	o	o	.....	A. Lothes.
Neustadt, Palatinate	29.67	753.7	30.21	767.2	63.7	17.6	53	w.	.....	.....	1	.....	o	.....	.....	o	o	.....	Prof. Dickmether.
Stuttgart	29.30	744 1	30.20	767 0	63.1	17.3	45	ne.	.....	.....	1	.....	o	.....	.....	o	o	.....	Prof. Dr. Schoder.
Wustrow	30.15	765.8	30.17	766.4	50.9	10.5	82	ne.	.....	.....	2	.....	o	.....	.....	o	o	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.94	760.5	30.33	770.4	52.0	11.1	.....	n.	.....	.....	3.0	6	o	.....	.....	o	o	.....	Kokkides & Wourtisch.
INDIAN.																			
Kurrachee	29.78	756.4	29.83	757.7	79.6	26.4	74	wsw.	25.0	11.2	.....	.....	o	.....	.....	o	o	blue sky	
Deesa	29.33	745.0	29.80	756.8	93.3	34.1	16	sw.	6.0	2.7	.....	.....	o	.....	.....	o	o	blue sky	
Bombay	29.81	757.2	29.85	758.2	80.6	27.1	69	wnw.	19.0	8.5	.....	.....	o	.....	.....	o	o	blue sky	
Poona, Yarrowda	27.98	710 6	29.80	756.8	88.1	31.2	16	w.	20.0	8.9	.....	.....	o	.....	.....	o	o	blue sky	
Belgaum	27.29	693.1	29.77	756.0	88.1	31.2	16	wsw.	7.0	3.1	.....	.....	o	.....	.....	o	o	blue sky	
Lahore	29.05	737.8	29.79	756.6	79.9	26.6	25	nw.	4.0	1.8	.....	.....	o	.....	.....	o	o	blue sky	
Roorkee	28.82	732.1	29.71	754.7	81.7	27.6	12	w.	6.0	2.7	.....	.....	o	.....	.....	o	o	blue sky	
Agra	29.22	742 1	29.78	756.3	86.7	30.4	10	nw.	6.0	2.7	.....	.....	o	.....	.....	o	o	blue sky	
Nagpur	28.72	729.6	29.74	755.4	91.2	32.9	17	nw.	7.0	3.1	.....	.....	o	.....	.....	o	o	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind.		Clouds. Direction.		Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
												Upper.	Lower.	Upper.	Lower.				
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Jubbulpore	28 48	723.4	29.82	757.4	85.8	29.9	13	nw.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Lucknow	29.38	746.2	29.75	755.7	84.2	29.0	13	wsw.	10.0	4.5	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.45	748.1	29.76	756.0	84.7	29.3	21	nw.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.54	750.2	29.72	754.9	85.4	29.7	12	wnw.	7.1	3.2	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.77	705 2	29.76	756.0	79.5	26.4	14	w.	8.0	3.6	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.70	754.3	29.78	756.4	86.1	30.1	50	ese.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29 74	755.4	29.76	755.9	85.6	29.8	33	nw	1.5	0.6	.....	.....	0	.....	.....	0	0	blue sky	
Dhubri	29.60	751.7	29.71	754.7	83.6	28.7	21	calm	2.0	1.2	.....	.....	0	.....	.....	0	0	blue sky	
Chittagong	29.78	756.4	29.87	758.8	70.4	21.3	87	se.	10.1	4.5	.....	.....	3	.....	.....	0	0	d. clouds	
Sibsagar	29.42	747.3	29.76	756.0	70.0	21.1	79	ne.	2.0	0.9	.....	.....	10	W.	W.	0	0	d. clouds	
Jeypore	28.38	720.7	29.80	757.0	85.1	29.5	19	nnw.	13.4	6.0	.....	.....	0	.....	.....	0	0	blue sky	
Zanzibar	29.82	757.3	29.84	757.8	87.7	30.9	54	ene.	7.0	3.1	.....	.....	1	se.	.....	0	0	d. clouds	
Bellary	28.30	718.8	.....	.....	96.0	35.6	18	nw.	8	3.6	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.54	750.3	.....	.....	97.3	36.3	28	ese.	0.1	0.4	.....	2	2	.....	.....	0	0	d. clouds	
ITALIAN.																			
Udine	29.90	759.5	30.32	770 0	60.3	15.7	28	s.	2.5	1.1	.....	.....	0	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.77	756.2	30.29	769.4	61.5	16.4	40	sw.	4.3	1.9	.....	.....	0	.....	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	30.19	766.7	30.30	769.5	58.8	14.9	39	s.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.35	745.5	30.26	768.6	61.9	16.6	37	s.	3.8	1.7	.....	.....	3	n.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	30.12	765.0	29.31	769.9	60.1	15.6	70	sw.	5.6	2.5	.....	.....	2	s.	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	30.27	768.8	30.32	770.0	52.2	11.2	80	ne.	14.3	6.4	.....	.....	0	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	30.02	762.6	30.28	769.1	62.6	17.0	32	w.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	30.18	766.5	30.26	768.7	60.3	15.7	72	ssw.	1.3	0.5	.....	.....	0	.....	.....	0	0	.....	Prof. P. Monte.
Rome	30.13	765.4	30.31	769.8	63.9	17.7	45	w.	0	0	.....	.....	0	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	30.05	763.3	30.31	769.8	59.9	15.5	34	ne.	9.4	4.2	.....	.....	1	s.	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	29.43	747.6	30.34	770.5	56.1	13.4	75	wnw.	2.5	1.1	.....	.....	0	.....	.....	0	0	.....	Prof. D. Conti.
Palermo	30.09	764.2	30.34	770.6	60.1	15.6	69	ne.	9.8	4.4	.....	.....	3	.....	.....	0	0	.....	Prof. G. Caccialore
Syracuse	30.26	768.6	30.31	769.8	63.3	17.4	62	e.	3.8	1.7	.....	.....	3	s.	.....	0	0	.....	Sig. V. Giuli: no.
Sub-series.																			
Naples, Astron'l Obs'y	29.81	757.1	.....	.....	59.0	15.0	65	nne.	0.7	0.3	.....	.....	2	nw.	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	29.82	757.4	29.85	758 3	31.0	— 0.6	72	nw.	.....	.....	7	.....	10 n	.....	.....	0.020	0.5	snowing	H. Hattori.
Awomori	29.69	754.1	29.73	755.1	26.6	— 3.0	95	nw.	47.4	21.2	.....	.....	10 n	.....	.....	0.073	1.9	light snow	K. Ogawa.
Hakodate	29.69	754.0	29.70	754.3	29.7	— 1.3	88	wnw.	21.0	9.4	.....	0	1 s	.....	.....	0.008	0.2	clear	Y.Souma.
Hamamatsu	29.73	755.1	29.83	757.6	40.7	4.8	49	w.	.....	.....	7	0	8 s	.....	.....	0	0	cloudy	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.06	763.5	30.07	763.9	42.3	5.7	65	ne.	13.9	6.3	.....	10 cs	0	ne.	.....	0	0	cloudy	Y. Okamoto.
Kagoshima	29.93	760.1	29.94	760.4	48.0	8.9	73	n.	.....	.....	2	.....	10 s	.....	.....	0	0	overcast	
Kanazawa	29.98	761.5	30.00	764 3	34.6	1.4	74	nw.	2.9	1.2	.....	0	6 ks	.....	.....	0	0	cloudy	S. Endo.
Kioto	29.86	758.5	30.04	762.9	38.3	3.5	57	nw.	7.0	3.1	.....	0	8ck;s	.....	nw.	0.003	0.1	cloudy	M. Tojima.
Kochi	29.92	760.0	29.94	760.5	47.1	8.4	61	ne.	20.3	9.0	.....	0	4 s	.....	.....	0	0	fair	K. Kusunose.
Misaka	29.91	759 8	29.94	760.5	52.0	11.1	70	nne.	.....	.....	2	0	5 s	.....	W.	0	0	cloudy	K. Masuzaki & T. Ishitain.
Miyako	29.56	750.9	29.67	753.7	30.5	— 0.8	45	wsw.	12.1	5.4	.....	0	0	.....	.....	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.81	757.2	30.01	762.2	45.1	7.3	70	n.	8.7	3.8	.....	0	2 s	.....	.....	0	0	clear	
Nemuro	29.17	740.9	29.22	742.2	29.0	— 1.7	82	nw.	36.0	16.1	.....	.....	10 n	.....	.....	0.13	3.3	snowing	A Shibuya.
Niigata	29.95	760.7	29.98	761.5	35.4	1.9	70	w.	21.1	9.4	.....	.....	10 ks	.....	nw.	0	0	cloudy	Satoo & Tomikawa.
Nobiru	29.78	756.4	29.80	756.8	30.1	— 1.1	75	nw.	13.5	6.0	.....	0	1 s	.....	.....	0	0	clear	Yoshino & Midzushina.
Numadzu	29.75	755.6	29.78	756.5	44.1	6.7	68	s.	.....	.....	2	3	3 s	.....	.....	0	0	clear	T. Ohgi.
Osaka	30.04	762.9	30.05	763.3	39.7	4.3	61	ne.	9.3	4.1	.....	0	4s;ck	.....	.....	0	0	fair	d. Omura.
Sakai	30.11	764.7	30.12	764.9	39.1	3.9	71	nne.	.....	.....	2	0	4 ks	.....	wnw.	0.004	0.1	fair	Yamawchi & Sakamoto.
Sapporo	29.52	749.7	29.59	751.5	27.1	— 2.7	88	nw.	34.7	15.5	.....	.....	10 n	.....	.....	0.040	1.0	covered	S. Kimura.
Shimonoseki	29.94	760.4	30.08	764.1	41.4	5.2	70	nne.	.....	.....	1	0	8 s	.....	nw.	0	0	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.74	755.5	29.81	757.4	38.7	3.7	52	n.	25.1	11.2	.....	.....	10ks;s	.....	W.	0	0	cloudy	The Staff.
Wakayama	29.97	761.2	30.02	762.6	40.8	4.9	57	n;nne.	9.7	4.3	.....	0	5 s	.....	.....	0	0	fair	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.71	754 6	29.89	759.2	81.0	27.2	75	n.	11.0	4.9	.....	rc;cs	7n;ks	.....	n.	0.14	3.6	cloudy	The Staff.
MEXICAN.																			
Leon	24.30	617.2	30.06	763.5	50.9	10.5	78	nnw.	0.9	0.4	.....	1 c	1 s	.....	.....	inap.	inap.	clear	M. Leal & M. Pina
Mazatlan	29.69	754.2	29.95	760.8	67.0	19.4	84	ne.	0	0	.....	8 k	0	sw.	.....	0	0	cloudy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.13	765.4	30.13	765.4	56.8	13.8	.....	s.	.....	.....	3	.....	.....	.....	.....	0	0	.....	
Groningen	30.08	764.1	30.14	765.5	60 1	15;6	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	30.11	764.9	30.11	764.9	56.5	13.6	.....	sse.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	30.12	765.1	30.12	765 1	61.0	16.1	60	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Utrecht	30.10	764.5	30.15	765 7	62.6	17.0	48	sse.	.....	.....	4	.....	0	.....	.....	0	0	clear	H. van der Brink.
Sub-series.																			
Batavia, Java	29.87	758.7	.....	.....	78.4	25.8	82	nnw.	1.0	0.4	.....	.....	6	.....	.....	0.039	1.0	.....	Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.98	761.6	30.05	763.2	59.0	15.0	51	sse.	13	6	.....	.....	1	.....	.....	0	0	.....	
Brono	29.97	761.2	30.01	762 2	42.8	6.0	97	s.	.....	.....	2	.....	10	.....	.....	0.091	2.3	.....	
Christiania	29.97	761.2	30.12	765.1	37.6	3.1	90	wsw.	4	2	.....	.....	0	.....	.....	0	0	.....	
Gjesvær	29.68	753 9	29.71	754.5	37.9	3.3	.....	w.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Lodingen	29.87	758.6	29.91	759.8	39.9	4.4	68	w.	.....	.....	4	.....	3	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A.M.R. dos Santos.
Funchal, Madeira	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Lisbon, Observatory	29.90	759 5	29.99	761.7	57.0	13.9	62	nne.	1.3	0.6	.....	.....	9	.....	.....	0.126	3.2	raining	Capt. D. A. de Cunha.
Ponta Delgada, Azores	29.47	748.4	29.80	756.9	57.0	13.9	86	ne.	16.1	7.2	.....	.....	10	.....	.....	0.602	15.3	raining	The Staff.
Saint Paul de Loando	30.07	763.7	30.14	765.5	61.9	16.6	70	wnw.	6.3	2.8	.....	.....	4	.....	.....	0	0	.....	
St. Vincent, Cape Verd Ids.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
San Salvador, Congo	30.00	762.0	30.04	762.9	69.1	20.6	67	ene.	.....	.....	3	.....	2	.....	.....	0	0	.....	
Serra da Estrella	27.97	710 3	29.76	755.8	88.2	31.2	54	sw.	.....	.....	1	.....	4	.....	.....	0	0	.....	
RUSSIAN.	25.16	639 0	29.95	760 6	40.6	4.8	98	ese.	28.0	12.5	.....	.....	10	.....	.....	1.969	50.0	light rain	
Akmolinski	28 85	732.7	30.04	763.0	3.7	—15.7	95	ne.	20	9	.....	3 c	0	.....	.....	.....	.....	snow-drift	Major K. Lasarew.
Archangel	29.44	747.7	29.46	748.2	31.8	— 0.1	90	nw.	9	4	.....	.....	10	.....	.....	blank	blank	.....	Capt. Sselliwerstow.
Astrakhan	30.28	769.0	30.18	766 6	51.1	10.6	65	ne.	4	2	.....	.....	9 kn	.....	.....	0.012	0.3	.....	
Baku	30.37	771 3	30.29	769.3	33.4	0.8	34	nw.	4	2	.....	0	0	.....	.....	.....	.....	.....	Capt. Wisganow.
Barnaul	30.32	770.2	30.28	769.0	39.9	4.4	60	n.	9	4	.....	0	7 ks	.....	.....	0	0	.....	
Bielosersk	29.67	753.5	30.21	767.3	12.7	— 10.7	76	ne.	4	2	.....	.....	1	.....	.....	0	0	.....	Meteorological Office.
Dorpat	29.13	739.9	29.61	752.0	35.6	2.0	94	wnw.	7	3	.....	.....	10 n	.....	.....	0.012	0.3	raining	
Ekaterinburg	29.72	754.8	29.97	761.2	34.9	1.6	98	wnw.	7	3	.....	.....	10 n	.....	.....	0	0	.....	Observatory.
Elissawetgrad	29.03	737.4	30.00	763.5	19.2	— 7.1	75	sw.	4	2	.....	.....	10	.....	.....	0	0	.....	Meteorological Obs'y.
Kasan	29.89	759.3	30.37	771.3	35.4	1.9	50	w.	7	3	.....	0	2 s	.....	.....	0	0	.....	
Kem	29.51	749.5	29.79	756.7	24.1	— 4.4	93	ssw.	16	7	.....	.....	10	.....	.....	0.063	1.6	light snow	Observatory.
Kerich	29.57	751.1	29.62	752 4	35.2	1.8	93	nw.	13	6	.....	.....	10	.....	.....	0	0	h'vy clouds	
Kieff	30.25	768.4	30.28	769.0	29.5	— 1.4	.....	ne.	4	2	.....	0	1 k	.....	.....	0	0	.....	Lagorio & Sassyrea.
Koslov	29.50	750.7	30.22	767.5	37.8	3.2	53	sw.	7	3	.....	0	5 ks	.....	.....	0	0	light clouds	Observatory.
Lgov	29.44	747.8	29.97	761.3	23.9	— 4.5	74	wsw.	22	10	.....	.....	10 s	.....	.....	0	0	.....	
Libau	29.58	751.2	30.20	767.0	28.0	— 2.2	71	wsw.	16	7	.....	.....	10	.....	.....	0	0	.....	R.I.Saaweljew, Eng in'r.
Lugan	30.09	764.2	30.11	764.8	39.6	4.2	89	w.	7	3	.....	.....	5	.....	.....	0	0	.....	I. Quass.
Moscow	30.05	763.3	30.27	768.8	30.9	— 0.6	41	wsw.	2	1	.....	.....	3	.....	.....	0	0	light clouds	Meteorological Obs'y
Nertschinsk	29.34	745.2	29.83	757.7	34.3	1.3	87	nw.	4	2	.....	.....	10 s	.....	.....	0.008	0.2	.....	Meteorological Obs'y
Nikolaiev	27.90	708.7	30.47	774 0	— 1.6	—18.8	52	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
	30.27	768.8	30.34	770.6	40.1	4.5	35	calm	0	0	.....	0	0	.....	.....	0	0	.....	Capt. Kurdakow.

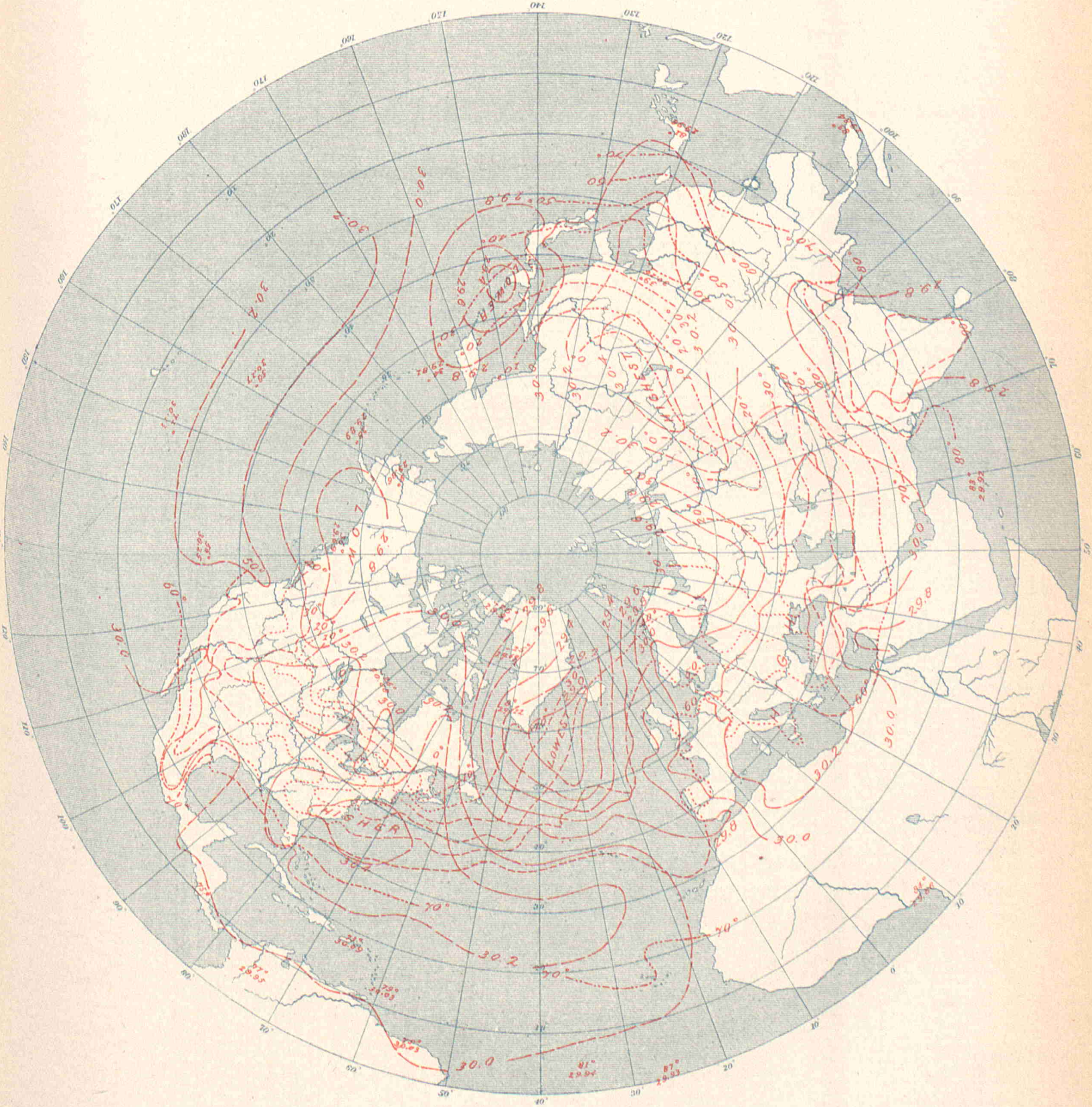
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaiewsk-on-the-Amoor.	29.87	758.7	29.96	760.9	10.4	—12.0	50	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.11	764.9	30.26	768.5	38.8	3.8	49	calm	0	0	.....	0	2 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.90	759.5	30.27	768.9	35.2	1.8	75	calm	0	0	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.40	746.7	29.60	751.7	43.3	6.3	60	nw.	16	7	.....	c	5 ks	.....	.....	0.028	0.7	.....	Dr. Bergmann.
Pinsk	29.68	753.8	30.19	766.7	43.5	6.4	72	ssw.	13	6	.....	3 cs	0	.....	.....	0	0	.....	
Poti	30.05	763.2	30.08	764.0	48.6	9.2	96	sw.	4	2	.....	.....	7 ks	.....	.....	0.016	0.4	.....	
St. Petersburg	29.78	756.5	29.81	757.1	32.9	0.5	96	wnw.	16	7	.....	.....	10 n	.....	.....	0.028	0.7	.....	Central Physical Obs'y.
Samarkand	27.63	701.9	30.17	766.4	42.3	5.7	82	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	
Semipalatinsk	29.28	743.6	29.98	761.6	15.6	— 9.1	88	calm	0	0	.....	.....	10	.....	.....	0.185	4.7	.....	Dresch.
Sevastopol	30.02	762.6	30.24	768.2	41.5	5.3	40	n.	20	9	.....	0	0	.....	.....	0	0	.....	Major Lasarew
Staroi Bykhov	29.48	748.7	30.05	763.2	39.0	3.9	62	sw.	11	5	.....	.....	10	.....	.....	0	0	.....	
Tashkend, Laboratory	28.49	723.6	30.21	767.3	43.7	6.5	65	calm	0	0	.....	.....	7 ks	.....	.....	.....	.....	.....	Carl Hagen.
Tiflis	28.76	730.6	30.25	768 3	36.5	2.5	82	s.	4	2	.....	.....	10 n	.....	.....	0.114	2.9	.....	Teren, A. S.
Vernoe	27.48	698.0	30.09	764.2	33.6	0.9	87	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	snowing.....	Physical Observatory
Viatka	28.97	735.7	29.52	752.4	22.3	— 5.4	79	s.	13	6	.....	.....	10	.....	.....	0.118	3.0	.....	Lariono.
Vladivostock	29.97	761.2	30.04	762.9	23.9	— 4.5	52	nw.	22	10	.....	.....	4 k	.....	.....	0	0	.....	
Warsaw	29.78	756.5	30.21	767.4	49.3	9.6	64	nw	13	6	.....	1 c	0	.....	.....	.....	.....	.....	
Yeniseisk	30.10	764.4	30.42	772.6	— 4.0	—20.0	59	wnw.	2	1	.....	.....	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Sub-series.																blank	blank	.....	M. O. Marks.
Petrowsky Academy	29.19	741.4	29.72	754.9	35.2	1.8	85	w.	18.0	8.0	.....	.....	9?	.....	W.	0	0	fair?	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	30.13	765.3	30.24	768.1	58.3	14.6	72	ne.	.....	.....	.....	0	0	.....	.....	0	0	clear	B. Jelin.
Bilbao, Met. Obs'y	29.99	761.8	30.05	763 3	67.1	19.5	56	se.	9.4	4.2	.....	3	6	s.	.....	0	0	almost cov'd	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.11	688.7	30.08	764.1	55.4	13.0	55	se.	15.0	6.7	.....	.....	2	.....	.....	0	0	almost clear	Domingo Martin.
Madrid, Royal Obs'y	27.52	706.6	30.02	762 6	62.6	17.0	47	se.	26.4	11.8	.....	.....	9	.....	.....	0	0	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.91	759.6	30.03	762.8	62.6	17.0	78	ene.	7.4	3.3	.....	5	5	sw.	.....	0	0	covered	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.00	730.6	29.88	758.9	63.1	17.3	70	n.	4.3	1.9	.....	.....	9	.....	.....	0.201	5.1	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.10	764.6	30.17	766.2	71.1	21.7	85	se.	2.7	1.2	.....	cs	k	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.90	759.4	29.96	760.9	81.2	27.3	70	sse.	8.8	3.9	.....	0	1 ks	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.70	754.4	29.80	756.9	62.6	17.0	68	ese.	20.4	9.1	.....	.....	10	.....	se.	0.023	0.6	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	30.00	761.9	30.09	764.2	72.7	22.6	80	calm	0	0	.....	4 cs	3 k	e.	e.	0	0	d. clouds	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	29.80	757.0	29.84	758 0	41.5	5.3	53	n.	.....	.....	4	.....	3	.....	.....	0	0	.....	
Umea	29.90	759.4	29.95	760.7	45.3	7.4	53	nw.	.....	.....	2	.....	6	.....	.....	0	0	.....	
Hernosand	29.94	760 4	29.99	761 7	50.5	10.3	53	nnw.	.....	.....	4	.....	7	.....	.....	0	0	.....	
Stockholm	29.91	759.6	30.03	764.1	49.1	9.5	67	w.	.....	.....	2	.....	0	.....	.....	0.008	0.2	.....	
Wisby	30.03	762.8	30.09	764.3	43.9	6.6	80	w.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.97	761.2	30.06	763 4	51.3	10.7	76	sw.	0	0	.....	.....	0	.....	.....	0.008	0.2	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.83	732.3	30.25	768.4	56.5	13.6	43	n.	.....	.....	2	.....	0	.....	.....	0	0	clear	
Turkish.																			
Constantinople	.....	.....	30.35	770.8	38.5	3.6	63	n.	17	7.5	.....	.....	10	.....	n	0	0	.....	The Observatory.
Valona	.....	.....	30.39?	771.9?	62.1	16.7	.....	nw.	.....	.....	2	.....	2	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.74	755.4	56.8	13.8	69	sw.	.....	.....	4	.....	8 n	.....	sw.	0.41	10.4	.....	F. Nimr, B. A., Dir
United States.																			
Albany, New York	30.24	768.1	30.33	770.4	34.6	1.4	70	sw.	6	2.7	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	J. O. Barnes.
Alpena, Michigan	29.38	746.2	30.08	764.0	26.8	— 2.9	77	nw.	11	4.9	.....	.....	2 s	.....	.....	0.01	0.3	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.97	634.2	29.99	761.7	36.8	2.7	79	e.	1	0.4	.....	0	5 s	.....	.....	0.23	5.8	fair	J. B. Turton.
Assiniaboine, Ft., Montana	27.10	688.3	30.12	765.0	22.5	— 5.3	69	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	29.16	740.7	30.37	771.4	46.4	8.0	69	se.	8	3.6	.....	5 cs	sk.	.....	.....	0	0	dense smoke	S. W. Beall.
Atlantic City, New Jersey	30.42	772.7	30.43	772 9	37.0	2.8	82	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	B.A.Blundon.
Baltimore, Maryland	30.39	771.9	30.42	772.7	48.4	9.1	79	calm	0	0	.....	7 c; ck	0	s.	.....	0	0	fair	W.J.Evans.
Barnegat City, New Jersey	30.42	772.7	30.44	773.2	39.5	4.2	72	calm	0	0	.....	5 ck	4 s	nw.	nw.	0	0	cloudy	Geo. W. Felger.
Bennett, Fort, Dakota	28.07	728.2	30.37	771.4	26.8	— 2.9	87	sw.	11	4.9	.....	0	0	.....	.....	0	0	clear	J.P.Sherry.
Benton, Fort, Montana	27.17	690.1	30.15	765.8	27.1	— 2.7	79	calm	0	0	.....	0	fg.	.....	.....	inap.	inap.	dense fog	A. Pritchard.
Bismarck, Dakota	28.40	721.3	30.32	770.1	11.1	—11.6	87	calm	0	0	.....	0	4 ks	.....	sw.	0	0	fair	C.S.Bennett.
Block Island, Rhode Island	30.39	771.9	30.42	772.7	35.0	1.7	69	sw.	5	2.2	.....	.....	fg.	.....	.....	0	0	dense fog	B. O. Lenoir.
Boise City, Idaho	27.23	691 6	30.15	765.8	44.5	6.9	86	e.	2	0.9	.....	4 ck	0	nw.	.....	inap.	inap.	fair	J. T. Elker.
Boston, Massachusetts	30.22	767.6	30.38	771.6	29.2	— 1.6	66	sw.	5	2.2	.....	2 cs	hz.	.....	sw.	0	0	cloudy	James Kenealy.
Brownsville, Texas	29.83	757.7	29.89	759.2	69.2	20.7	93	se	8	3.6	.....	.....	10 s	.....	se.	inap.	inap.	cloudy	John McGlone.
Buffalo, New York	29.27	743.4	30.06	763.5	42.5	5.8	50	s.	20	8.9	.....	.....	10 s	.....	sw.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.08	713.2	30.24	768.1	10	—12.2	91	ne.	5	2.2	.....	1 c	0	sw.	.....	0	0	clear	A. Schneider.
Canby, Fort, Washington Ter	29.77	756.1	30.19	766.8	52.7	11.5	82	s.	9	4.0	.....	0	0	.....	.....	0	0	clear	W. H. Ray.
Cape Henry, Virginia	29.94	760.5	30.14	765.5	44.0	6.7	93	n.	1	0.4	.....	10 n	10 k	.....	s.	0.08	2.0	light rain	W. H. Ray.
Cape May, New Jersey	30.42	772.7	30.44	773.2	45.0	7.2	83	se.	12	5.4	.....	.....	.....	.....	n	0.05	1.3	cloudy	J.H.Young.
Cape Mendocino, California	30.38	771.6	30.41	772.4	41.0	5.0	77	se.	8	3.6	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cedar Keys, Florida	29.40	746.7	30.09	764.3	46.5	8.1	81	nw.	11	4.9	.....	2 c	0	.....	.....	0	0	clear	W.E.Smith.
Charleston, S. Carolina	30.27	768.8	30.29	769.4	57.3	14.1	83	ne.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	A. P. Leavitt.
Charlotte, N. Carolina	30.30	769.6	30.36	771 1	57.0	13.9	52	e.	13	5.8	.....	1 c	0	sw.	.....	0	0	clear	G. W. Davis.
Chattanooga, Tennessee	29.53	750 0	30.41	772.4	44.0	6.7	74	s.	2	0.9	.....	7 ck	0	w.	.....	0	0	fair	J. H. Smith.
Cheyenne, Wyoming	29.50	749.3	30.35	770 9	46.5	8.1	65	e.	4	1.8	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chicago, Illinois	24.03	610 4	30.23	767 8	26.2	— 3.2	79	se.	1	0.4	.....	9 cs	hz.	w.	.....	0	0	cloudy	B. L. Goulding.
Chincoteague, Virginia	29.41	747.0	30.15	765.8	41.4	5.2	78	nw.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	E. McGovern.
Cincinnati, Ohio	30.41	772.4	30.43	772.9	41.8	5.4	81	se.	7	3.1	.....	hz.	0	.....	.....	inap.	inap.	light rain	Wm. Norrington.
Cleveland, Ohio	29.53	750.0	30.22	767 6	52.3	11.3	53	se.	1	0.4	.....	.....	10 s	.....	se.	0	0	clear	C. F. Dickens
Columbus, Ohio	29.39	746.5	30.17	766.3	48.0	8.9	38	s.	18	8.0	.....	.....	10 s	.....	s.	0	0	cloudy	L. Dunne.
Concho, Fort, Texas	29.33	745.0	30.22	767.6	44	6.7	51	se.	3	1.3	.....	.....	10 s	.....	se.	0	0	cloudy	W. Line.
Custer, Fort, Montana	28.08	713.2	30.04	763.0	49.9	9.9	93	w.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	F. T. Williams
Davenport, Iowa	26.86	682 2	30.18	766 6	22	— 5.0	73	se.	3	1.3	.....	0	0	.....	.....	0.55	14.0	cloudy	O. E. King.
Davis, Fort, Texas	29.42	747.3	30.11	764.8	42.0	5.0	74	ne.	8	3.6	.....	.....	0	.....	.....	0	0	clear	W.J.Daily.
Dayton, Washington Ty	25.19	639 8	30.06	763 5	42.1	5.6	76	sw.	8	3.6	.....	0	10 n	.....	ne.	0.14	3.6	light rain	R. R. Martin.
Deadwood, Dakota	28.36	720.3	30.18	766.6	42.5	5.8	88	s.	5	2.2	.....	.....	7 s	.....	.....	0	0	fair	J. Williams.
Delaware Breakwater, Del	25.45	646.4	30.29	769.4	23.0	— 5.0	76	e.	3	1.3	.....	0	10 n	.....	.....	0.02	0.5	light rain	T. Gibson.
Denver, Colorado	30.41	772.4	30.43	772.9	38.0	3.3	88	s.	13	5.8	.....	0	0	.....	.....	0	0	clear	G.W.Scott.
Des Moines, Iowa	24.79	629.7	30.23	767.8	32.0	0.0	100	calm	0	0	.....	0	hz.	.....	.....	0	0	clear	G.A.Martin.
Detroit, Michigan	29.19	741 4	30.15	765.8	35	2.2	79	ne.	8	3.6	.....	.....	10 n	.....	.....	0.37	9.4	light snow	F. M. Neal.
Dodge City, Kansas	29.35	745.5	30.10	764.5	46.0	7.8	83	sw.	7	3.1	.....	.....	10 s	.....	ne.	0.20	5.1	cloudy	F. W. Conrad.
Dubuque, Iowa	27.40	695.9	30.13	765.3	33	0.6	100	nw.	23	10.3	.....	.....	10 s	.....	.....	0	0	cloudy	N.B.Conger.
Duluth, Minnesota	29.41	747.0	30.16	766 1	37.8	3.2	76	nw	1	0 4	.....	.....	10 n	.....	ne.	0.89	22.6	light rain	J.E.Lanouette.
Eastport, Maine	29.48	748.8	30.26	768.6	21.0	— 6.1	70	nw.	22	9.8	.....	.....	10 s	.....	w.	0.03	0.8	cloudy	J. Harvey Smith
Elliott, Fort, Texas	30.23	767.8	30.30	769.6	22.0	— 5.6	73	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
El Paso, Texas	27.22	691.4	30.05	763 3	37	2.8	92	n.	30	13.4	.....	6 c	hz.	w.	.....	0	0	fair	D. C. Murphy.
Erie, Pennsylvania	26.22	666.0	30.02	762.5	41.0	5.0	76	w.	5	2.2	.....	.....	0	.....	.....	0.12	3.0	cloudy	J. C. Rickli.
Escanaba, Michigan	29.33	745.0	30.10	764.5	47.5	8.6	82	s.	17	7.6	.....	0	0	.....	.....	inap.	inap.	clear	F. Belford.
Fort Smith, Arkansas	29.44	747.8	30.15	765.8	22.0	— 5.6	88	nw.	9	4.0	.....	2 cs	6 k	s.	s.	0	0	cloudy	P. Wood.
Galveston, Texas	29.55	750 6	30.04	763.0	56.3	13.5	80	s.	4	1.8	.....	4 c	3 ks	.....	.....	inap.	inap.	fair	L.M.Pindell.
Grand Haven, Michigan	29.96	761.0	30.00	762.0	64.8	18.2	88	se.	12	5.4	.....	.....	10 s	.....	w.	0.19	4.8	cloudy	J. B. Campbell.
Grant, Fort, Arizona	29.41	747.0	30.11	764.8	38.0	3.3	77	nw.	6	2.7	.....	.....	10 s	.....	se.	0.05	1.3	cloudy	E. O'C. Mackintosh
Hatteras, North Carolina	25.17	639 3	30.00	762.0	36.4	2.4	76	ne.	1	0.4	.....	.....	10 s; fg	.....	w	0.07	1.8	cloudy	Joseph E. Mueller
	30.43	772.9	30.44	773.2	47.3	8.5	80	ne.	3	1.3	.....	3 k	0	se.	.....	0.12	3.0	clear	Chas. A. Read.
																0	0	clear	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.84	656.3	30.16	766.1	34.5	1.4	69	sw.	1	0.4	.....	8 k	0	sw.	.....	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.86	733.0	30.34	770.6	18.3	— 7.6	92	n.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.34	745.2	30.18	766.6	50.8	10.4	45	nw.	2	0.9	.....	.....	10 s	.....	nw.	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.90	759.4	29.93	760.2	64.1	17.8	99	e.	13	5.8	.....	0	8 s	.....	w.	0.02	0.5	cloudy	L. A. Reed.
Jacksonville Florida	30.26	768.6	30.31	769.9	54.0	12.2	93	ne.	1	0.4	.....	2 cs	fg.	w.	.....	inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	29.40	746.7	30.09	764.3	45.2	7.3	93	se.	1	0.4	.....	.....	10 s	.....	se.	0.13	3.3	cloudy	F. Z. Gosewisch.
Key West, Florida	30.16	766.1	30.18	766.6	73	22.8	76	ne.	17	7.6	.....	1 cs	1 k	w.	ne.	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.40	772.1	30.42	772.7	43.0	6.1	92	se.	5	2.2	.....	0	0	.....	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.30	744.2	30.36	771.1	40.3	4.6	79	calm	0	0	.....	8 cs	sk.	.....	.....	0	0	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.39	746.5	30.21	767.3	29.5	— 1.4	74	n.	7	3.1	.....	0	4 s	.....	.....	0	0	fair	S. C. Emery.
Leavenworth, Kansas	29.08	738.6	30.02	762.5	49	9.4	93	s.	1	0.4	.....	.....	fg.	.....	.....	0.83	21.1	dense fog	C. Dill.
Lewiston, Idaho	29.25	742.9	30.11	764.8	47.0	8.3	86	calm	0	0	.....	.....	10 n	.....	.....	0.18	4.6	light rain	C. E. Butler.
Little Rock, Arkansas	29.78	756.4	30.11	764.8	55.0	12.8	90	s.	3	1.3	.....	.....	10 n	.....	s.	0.21	5.3	light rain	W. U. Simons.
Los Angeles, California	29.67	754.1	30.09	764.3	51.0	10.6	96	ne.	6	2.7	.....	8 k	fg.	ne.	.....	0.04	1.0	cloudy	T. S. Collins.
Louisville, Kentucky	29.62	752.3	30.21	767.3	55.0	12.8	62	s.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.68	753.9	30.40	772.1	38.0	3.3	77	calm	0	0	.....	0	9s;fg	.....	.....	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.42	747.3	30.12	765.0	22.8	— 5.1	66	w.	12	5.4	.....	3 cs	0	.....	.....	0.07	1.8	clear	D. B. Notson.
Macon, Fort, North Carolina	30.42	772.7	30.43	772.9	50.7	10.4	86	ne.	7	3.1	.....	0	hz.	.....	.....	0	0	clear	William Daly.
Maginnis, Fort, Montana	25.54	648.7	30.14	765.5	31.4	— 0.3	41	sw.	17	7.6	.....	5 k	0	sw.	.....	0	0	fair	F. Burke.
Marquette, Michigan	29.41	747.0	30.18	766.6	27.0	— 2.8	88	nw.	13	5.8	.....	.....	10 n	.....	n	inap.	inap.	light snow	J. Gilligan.
Memphis, Tennessee	29.83	757.7	30.18	766.6	54.1	12.3	79	se.	4	1.8	.....	.....	10 n	.....	.....	inap.	inap.	light rain	D. T. Flannery.
Milwaukee, Wisconsin	29.37	746.0	30.16	766.1	34.0	1.1	78	n.	12	5.4	.....	7 ck	0	w.	.....	0.05	1.3	fair	S. W. Rhode.
Mobile, Alabama	30.18	766.6	30.22	767 6	54.5	12.5	83	ne.	5	2.2	.....	5 cs	2 s	sw.	sw.	0	0	fair	H. U. Jones.
Montgomery, Alabama	30.06	763.5	30.30	769.6	50.2	10.1	75	se.	2	0.9	.....	10 cs	0	se.	.....	0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.20	743.2	30.34	770.6	0	—17.8	68	calm	0	0	.....	0	0	.....	.....	0	0	clear	H. Bessant.
Mt. Washington, N. H	23.70	602.0	30.22	767.6	10.5	—11.9	66	w	40	17.9	.....	.....	10 s	.....	w.	inap.	inap	cloudy	J. H. Melton.
Nashville, Tennessee	29.64	752.8	30.24	768.1	51.0	10.6	60	se.	7	3.1	.....	10 cs	hz.	sw.	.....	0	0	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	30.29	769.4	30.41	772.4	28.9	— 1.7	83	nw.	4	1.8	.....	0	4 s	.....	.....	inap.	inap.	fair	J. H. Sherman.
New London, Connecticut	30.37	771 4	30.42	772.7	31.0	— 0.6	88	w.	1	0.4	.....	4 ck	3 s	w.	.....	0.03	0.8	fair	J. G. Lynch.
New Orleans, Louisiana	30.08	764.0	30.14	765.5	60.4	15.8	85	se.	10	4.5	.....	.....	10 s	.....	sw.	0	0	cloudy	M. Herman.
New York, New York	30.25	768.3	30.43	772.9	32.1	0.1	81	sw.	4	1.8	.....	0	6 s	.....	sw.	inap.	inap.	fair	W. Finn.
Norfolk, Virginia	30.38	771.6	30.41	772.4	44.3	6.8	89	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	Wm. Davis.
North Platte, Nebraska	27.20	690.9	30.26	768 6	29 6	— 1 3	78	n.	10	4.5	.....	.....	5 s	.....	.....	0	0	fair	E. F. Brady.
Olympia, Washington T'y	30.11	764.8	30.15	765.8	41.0	5.0	88	calm	0	0	.....	10 k	0	w.	.....	0.01	0.3	cloudy	J. Dascom.
Omaha, Nebraska	28.94	735.1	30.19	766.8	33.2	0.7	78	n.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	A. Pollak
Oswego, New York	29.74	755.4	30.08	764.0	38.5	3.8	43	s.	13	5.8	.....	.....	10 s	.....	sw.	inap.	inap.	threatening	J. G. Linsley.
Palestine, Texas	29.44	747.8	30.02	762.5	59.2	15.1	93	e.	5	2.2	.....	.....	10 n	.....	.....	0.04	1.0	light rain	P. T. Jenkins.
Pensacola, Florida	30.21	767 3	30.24	768.1	54.3	12.4	76	n.	8	3.6	.....	.....	10 s	.....	e.	0	0	cloudy	M. McGauran.
Philadelphia, Pa	30.33	770 4	30.43	772.9	37.5	3.1	66	sw.	2	0.9	.....	6 cs	hz.	.....	.....	0	0	fair	T. F. Townsend.
Pike's Peak, Colorado	17.04	448.0	30.22	767 6	2.0	—16.7	83	ne.	4	1.8	.....	0	0	.....	.....	0.15	3.8	clear	H. Hall.
Pittsburg, Pennsylvania	29.37	746.0	30.22	767.6	44.3	6.8	68	s.	1	0.4	.....	8 cs	0	s.	.....	0	0	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	8.1	—13.3	.....	.....	.....	.....	.....	0	5 s	.....	.....	0.12	3.0	fair	Geo. A. Carden.
Port Huron, Michigan	29.31	764.5	30.03	762.7	39.0	3.9	89	s.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	M. H. Perry
Portland, Maine	30 27	768 8	30.32	770.1	30.4	— 0.9	63	sw.	2	0.9	.....	hz.	sk.	.....	.....	0	0	clear	W. W. Eichelberger.
Portland, Oregon	30.05	763.3	30.12	765.0	46.8	8.2	97	w.	3	1.3	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	M. L. Hearne.
Prescott, Arizona	24.73	628.1	30.07	763.8	31.3	— 0.4	87	w	1	0.4	.....	0	0	.....	.....	0.01	0.3	clear	N. D. Lane.
Provincetown, Mass	30.37	771.4	30.40	772.1	32.5	0.3	73	sw.	5	2.2	.....	0	0	.....	.....	0	0	clear	C. N. Kitchel.
Red Bluff, California	29.72	754.9	30.09	764.3	50	10.0	86	n.	5	2.2	.....	10 ck	0	s.	.....	0	0	cloudy	J. R. Williams.
Rio Grande City, Texas	29.08	753.9	29.92	760 0	70.5	21.4	85	calm	0	0	.....	0	5 ks	.....	s.	0	0	fair	L. G. Schultz.
Rochester, N. Y	29.36	745.7	30.06	763.5	42.1	5.6	73	sw.	24	10.7	.....	10 k	hz.	w.	.....	inap.	inap.	cloudy	E. W. McGann.
Roseburg, Oregon	29.50	750.8	30.12	765.0	43.8	6.6	87	e.	4	1.8	.....	.....	10 s	.....	w.	0	0	cloudy	J. J. Nanry.
Sacramento, California	30.01	762.2	30.08	764.0	51.0	10.6	90	se.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.49	749.0	30.14	765 5	47 0	8.3	100	se.	8	3.6	.....	.....	10 n	.....	se.	0.48	12.2	light rain	J. H. Weber.
St. Michael, Fort, Alaska	29.82	757.4	29 86	758 4	9.2	—12.7	100	n.	27	12.1	.....	.....	10 n	.....	.....	inap.	inap.	light snow	Fred. H. Clarke.
St. Paul, Minnesota	29.34	745.2	30.25	768.3	23.6	— 4.7	66	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	P. F Lyons.
St. Vincent, Minnesota	29.40	746.7	30.34	770.6	— 3	—19.4	75	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25 66	651.8	30.18	766.6	38.5	3.6	59	calm	0	0	.....	6 k	0	sw.	.....	0.03	0.8	fair	J. Craig.
San Diego, California	29.99	761.7	30.06	763.5	55.4	13.0	85	ne.	4	1.8	.....	.....	10 s	.....	w	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.41	747.0	30.13	765.3	47	8.3	68	sw.	17	7.6	.....	.....	10 s	.....	sw.	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	30.41	772.4	30.44	773.2	35.2	1.8	79	s.	11	4.9	.....	2 c	0	.....	.....	0	0	clear	V. P. Chappel.
Sanford, Florida	30.20	767.1	30.25	768.3	60.0	15.6	84	se.	5	2.2	.....	3 cs	0	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	30.03	762.7	30.10	764.5	50.9	10.5	91	w.	9	4.0	.....	0	fg.	.....	w.	0	0	clear	N. Gorom.
Savannah, Georgia	30.20	768.6	30.35	770.9	54.5	12.5	87	e.	4	1.8	.....	5 ck	0	se.	.....	0	0	fair	H. W. Ford.
Shaw, Fort, Montana	29.34	669.0	30.14	765.5	35.5	1.9	72	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.86	758.4	30.03	762.7	59.0	15.0	81	se	5	3.6	.....	.....	10 s	.....	se.	0.02	0.5	cloudy	E. N. Meekins.
Sitka, Alaska	29.02	752.3	29.69	754.1	36.1	2.3	82	e.	13	5.8	.....	.....	10 n	.....	e.	0.52	13.2	light rain	F. W. Fickett.
Smithville North Carolina	30.39	771.9	30.43	772.9	50.4	10.2	91	e.	6	2.7	.....	0	1 s	.....	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.99	710.9	30.12	765.0	38.2	3.4	92	calm	0	0	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	D. Moore.
Springfield, Illinois	29.44	747.8	30.16	766.1	48.9	9.4	90	se.	5	2.2	.....	.....	10 n	.....	sw.	0.11	2.8	light rain	T. B. Jennings.
Stockton, Fort, Texas	26 95	684.5	30.03	762.7	44.5	6.9	59	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	30.03	762.7	30.13	765.3	44.6	7.0	99	calm	0	0	.....	.....	10 n	.....	.....	0.08	2.0	light rain	R. Connor.
Thomas, Camp, Arizona	27.28	692.9	30.06	763.5	41.2	5.2	78	w.	.....	.....	1	0	8 s	.....	w.	0.03	0.8	cloudy	R. O. Lord.
Toledo, Ohio	29.34	745.2	30.07	763.8	46	7.8	83	sw.	9	4.0	.....	.....	10 s	.....	w.	0	0	cloudy	A. Buell.
Unalashka, Alaska	29.87	758.7	29.89	759.2	28	— 2.2	77	nw.	10	4.5	.....	.....	10 s	.....	nw.	0.11	2.8	threatening	Samuel Applegate.
Vicksburg, Mississippi	29.92	760.0	30.18	766 6	55	12.8	80	se.	1	0.4	.....	2 c	5 s	w.	se.	0	0	fair	F. W. Mixer.
Washington, D. C	30.31	769.9	30.43	772.9	35.0	1.7	79	se.	2	0.9	.....	4 ck	sk.	sw.	.....	0	0	fair	T. B. Harrison.
West Las Animas, Colorado	26.10	662.9	30.17	766.3	31.5	— 0.3	66	n.	10	7.2	.....	0	9 s	.....	nw.	0	0	cloudy	F. H. Brandenburg.
Wilmington, N Carolina	30.30	771.1	30.42	772.7	48.2	9.0	86	s.	1	0.4	.....	3 ck	hz.	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.90	734.0	30.30	769.6	22.7	— 5.2	74	n.	7	3.1	.....	0	0	.....	.....	inap.	inap.	clear	E. H. Thompson.
Yuma, Arizona	29.84	757.9	29.99	761.7	53.1	11.7	92	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.79	756.7	29.81	757.2	34.0	1.1	95	se.	12	5.4	.....	.....	10 n	.....	.....	0.27	6.9	sleeting	George Cherwick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	78	25.6	.....	ne.	.....	.....	4	1 c	5 k	.....	ne.	0.74	18.8	fair	W. H. Jackson.
Bogota, U. S. C	21.97	558.1	.....	.....	55.4	13.0	83	nw.	2	1	.....	.....	9 k	.....	.....	.....	.....	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.15	765.8	30.31	769 9	—20.0	—28.9	100	s.	7	3.1	.....	0	0	.....	.....	0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.09	764.3	71.0	21.7	80	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	Robert Johnston.
Paramaribo, S. A	30.04	762.5	30.03	762.7	75	23.9	90	e.	.....	.....	3	.....	8 ks	e.	e.	0.200	5.1	cloudy	Dr. C. J. Herine.
Puerto Berrio, U. S. C	29.39	746 5	29.95	760.7	77	25.0	89	calm	.....	.....	0	.....	10 ks	.....	calm	0	0	cloudy	Francisco J. Olsuero.
Rivas, Nicaragua, C. A	.....	.....	.....	.....	74.8	23.8	84	ne.	.....	.....	3	.....	1 ks	.....	ne.	0	0	clear	Earl Flint.
York Factory, B. A	30.01	762.2	30.08	764.0	—26.0	—32.2	.....	nw.	11	4.9	.....	1 c	0	nw.	.....	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.99	761.8	30.00	762.0	78.1	25.6	84	n.	11.2	5.0	.....	.....	6 k	.....	n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	29.93	760.1	29.99	761.8	72.7	22.6	89	n.	.....	.....	4	.....	1 k	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Assyrian Monarch, N. 44° 37′, W. 24° 20′†	29.83	757.7	56	13.3		wsw.			5		8		w.	4 h'r	4 h'r	mod	wsw.	overcast.
S. Armenia, N. 40° 40′, W 67° 10′ *	30.40	772.1	47	8.3	70	wsw.			3		1			o	o	mod.	sw.	clear.
S. S. Antonio Lopez, Havana, Cuba, W.I	30.16	766.1	70.5	21.4	90	ese.			1		0			o	o			clear.
S. S. America, Bremerhaven, Germany			51	10.6	93	sw.			3		2		sw.	o	o			clear.
S. S. Athos, Cartagena, U. S. C						calm			0		0			o	o			clear.
S. S. Bothnia, N. 41° 44′, W. 52° 19′	30.02	762.5	40	4.4	91	nw			8		8		nnw.	3 h'r	3 h'r	mod	nw.	sleeting.
S. S. British Princess, N. 46° 40′, W. 32° 30′						wsw.			8		9 k		wsw.	10 h'r	10 h'r	high	w.	cloudy
S. S. Britannic, N. 41° 26′, W 58° 12′	30.18	766.6	33	0.6		n.			4		5		ne.	2 h'r	2 h'r	mod.	n.	squally.
S. S. City of Augusta, N. 33° 19′, W. 78° 19′ †	30.45	773.4				nne.			2		5		ne.	o	o	sm'h		fair.
S. S. Caracas, Puerto Cabello, Venezuela *†	30.00	762.0	76	24.4	86	w.			1		0			o	o	light	nne.	clear.
S. S. Celtic, N. 44° 25′, W. 38° 41′†	29.78	756.4	56	13.3	63	wnw.			8		5		wnw.	shr's	shr's	h'vy	wnw.	fair.
S. Dora, N. 35° 18′, W. 60° 42′ *†	30.35	770.9	57.2	14.0		nnw.			5		0		nnw.	2 h'r	2 h'r	cross	nw.	cloudy.
S. S. Canada, (Fr) N. 42° 51′, W. 51° 51′	30.02	762.5				w.			5	s.			w.					squally.
S. S. Devonia, N. 53° 41′, W. 21° 45′ †	29.28	743.7	44	6.7		ssw.			6		10		sw.	5 h'r	5 h'r	mod.	sw.	cloudy.
S. S. England, N 48° 15′, W. 26° 57′	29.24	742.7				w.			7		5		w.	6 h'r	6 h'r	h'v'y	w.	fair.
S. S. Elysia, N. 35° 58′, W. 5° 38′*	29.77	756.1	58	14.4	94	wnw.			3		10		wnw.		o	mod.	w.	overcast.
Bk. Fred W. Carlon, N. 36° 08′, W. 73° 12′†	30.51	774.9				calm			0		2			o	o	mod.	n.	clear.
S. S. Fulda, N. 46° 40′, W. 32° 58′	29.54	750.2	46.4	8.0	89	wsw.			9		7		wsw.	5 h'r	5 h'r	h'vy	wsw.	fair.
S. S. Gellert, N. 40° 22′, W. 61° 20′	30.30	769.6	44.0	6.7	92	wnw.			6		5		wnw.	2 h'r	2 h'r	mod.	nne.	squally.
S. S. George S. Thomas, N. 29° 18′, W. 66° 15′						nne.			4		4		ne.	2 h'r	2 h'r	r'gh	var.	fair.
S. S. Greece, N. 44° 55′, W. 35° 51′			49	9.4		wsw.			7		5		wsw.	6 h'r	6 h'r	h'vy	wsw.	fine.
S. S. Habsburg, N. 49° 02′, W. 24° 33′	29.31	744.5				sw.			8		10		wsw.	5 h'r	5 h'r	r'gh	sw.	cloudy.
S. S. Iowa, N. 43° 52′, W. 44° 44′ †	29.90	759.5	40	4.4		w.			4		7		w.	5 h'r	5 h'r	r'gh	w.	fair.
Schr John Bracewell, N. 42° 40′, W. 70° 41′			28	— 2.2		sw.			1		0			o	o			clear
S. S. Lord Clive, N. 42° 21′, W. 45° 45′						w.			4		7		w.	3 h'r	3 h'r	str'g	w.	fair.
Bg. L. F. Munson, Matanzas, Cuba, W.I*†	30.18	766.6	74	23.3		e.			5		3		se.	o	o			fair.
S. S. Main, N. 40° 27′ W. 62° 33′	30.37	771.4	46.4	8.0		nnw.			4		3		n.	2 h'r	2 h'r	mod.	nnw.	fair.
S. S. New York, N. 24° 37′, W. 81° 00′ *†	30.20	767.1	75	23.9		se.			6		6		se.			mod.	se.	fair.
Schr. Norena, N. 41° 51′, W. 69° 55′ *†	30.43	772.9				wsw.			2		0			o	o	sm'h		clear.
S. S. Orinoco, New York, N. Y			34	1.1		sw.			4		5		sw.	½h'r	½h'r			fair.
Bk. Orpheus, N. 41° 09′, W. 56° 48′			38	3.3		nw.			4		8 k		nw.	o	c	mod.	nw.	squally.
S. S. Pavonia, N. 44° 25′, W. 40° 29′	29.87	758.7	52	11.1	79	w.			8		8		w.	5 h'r	5 h'r	long	w.	cloudy.
S. S. Rhaetia, N. 42° 45′ W. 50° 31′			42	5.6		nw.			5		5		nw.	o	o	r'gh	nw.	fair.
S. S. State of Georgia, N. 40° 28′ W. 61° 53′†	30.37	771.4	46	7.8		nw.			6		7		n.	o	o	light	nnw.	fair.
S. S. Salerno, N. 50° 40′, E. 0° 27′			50	10.0		wsw.			1		5		wsw.	o	o	sm'h	w.	hazy.
S. S. Silesia, N. 41° 53′, W. 56° 01′	29.93	760.2				s.			2		8		s.	o	o	long	ssw.	cloudy.
Bg. Teneriffe, N. 36° 51′, W. 72° 10′	30.17	766.3				nw.			7		6		wnw.	6 h'r	6 h'r		w.	fair
S. S. Valencia, N. 26° 22′, W. 69° 39′ †	30.29	769.4	74	23.3	76	nne.			1				ne.	o	o	2	ne.	clear.
S. S. Westernland, N. 41° 49′, W. 45° 38′	29.99	761.7	43	6.1		ne.			5		4		ene.	o	o	mod	ene	fair.
S. S. W. A. Scholten, N. 40° 53′, W. 59° 58′			39.2	4.0	84	wnw			4		10		w.w.	3 h'r	3 h'r	high	wnw.	cloudy.
S. S. Weser, N. 38° 03′, W. 67° 41′	30.50	774.7	48.2	9.0		nnw.			6		8		wsw.	o	o	4	w.	
S. S. Zeeland, N. 41° 58′, W. 43° 40′ *†	29.90	759.4	48	8.9		n.			2–5		8		ne.	o	o	mod	nnw.	cloudy.
S. S. Australia, New York Harbor, N. Y	30.34?	770.6?	33	0.6		wnw.			6				wnw.	o	o	long	wnw.	clear.
S. S. Cienfuegos, Nassau, N. P. Bahama	30.30	769.6	71	21.7		calm			0		0			o	o			hazy.
S. S. Anchoria, N. 40° 27′, W. 60° 40′						ene.			3		3		ene.	o	o	small	e.	clear.
S. S. Baltic, N. 50° 57′, W. 12° 57′ *†	29.86	758.4				n.			4		2		n.	½h'r	½ hr	sli't	n.	clear.
S. S. Erin, London, Eng†	30.10	764 5	68	20.0		wsw.			4		2		wsw.	1 h'r	1 h'r	mod	sw.	clear.
S. S. Grecian, N. 52° 15′ W. 24° 05′	29.15	740.4	46	7.8	84	ssw.			2		3		wsw.	o	o			clear
Bg. John Wesley, N. 23° 45′, W. 79° 00						sse.			6		10			1 h'r	1 h'r	sm'h		raining.
S. S. Lone Star, N 27° 00′, W. 86° 16′ *†	30.20	767.1	73	22.8		e.			4		2		ese.	2 h'r	2 h'r	sm'h		clear.
S. S. Ohio, (Am.) N. 46° 06′, W. 30° 25′			53	11.7		ese.			6		8		ese.	o	o	large	ese.	cloudy.
Schr. Viola Reppard, N. 32° 04′, W. 69° 59′†	30.42	772.7	60	15.6		ssw.			4		5		ssw.	6 h'r	6 h'r	h'vy	sw.	fair.
U. S. S. Kearsarge, Alexandria, Egypt	30.06	763.5	59	15.0	65	nnw.			2		5		nnw.	o	o	long	wnw.	fair.
U. S. S. Lancaster, Alexandria, Egypt	30.05	763.3	56	13.3	87	nw.			5		5		nw.					fair.
U. S. S. Alliance, Point a Pitre W. I	30.09	764.3	76	24.4	77	wnw.			5		5		nw.			mod.	nw.	fair.
U. S. S. Galena, Port au Prince, Hayti, W.I*	30.09	764.3	74	23.3	86	ene.			1		8		calm	light	light	sm'h		squally.
U. S. S Jamestown, Pointe a Pitre, W. I	30.11	764.8	75	23.9	77	e.			1		2		e.			sm'h		cloudy.
U. S. S. Portsmouth, Fort de France, Martinique, W.I	30.05	763.3	76	24.4	95	calm			0		8							fair.
U. S. S. Saratoga, N. 37° 59′, W. 48° 44′	30.04	763 0	62	16.7	77	ene.			3		8		ene.					fair.
U. S. S. Swatara, N. 16° 25′, W. 75° 30′	30.06	763 5	79	26.1	82	nw.			6		10		nw.	light	light	r'gh	nw.	fair.
U. S. S Yantic, Nassau, Bahama Ids, W.I	30.25	768.3	72	22.2	85	ene.			4		2		ene.	light	light	sm'h		overcast.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.32	770.1	52	11.1	79	nnw.			3		5							fair.
H. M. S. Alecto, N. 4° 38′, E. 8° 24′	29.86	758.4	84	28.9		ssw.			4		10		nnw.					fair.
H. M. Dockyard, Bermuda, Atlantic	30.32	770.1	61.5	16.4	54	nnw.			1		10							overcast.
H. M. S. Minotaur, Marmara Bay, Asia Minor	30.06	763.5	54.5	12.5	38	n.			4		5		nnw.					threatening
H. M. S. Myrmidon, N. 31° 18′, E. 29° 30′	30.05	763 3	57	13.9	81	nw.			2–4		3							d. clouds.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	30.05	763.2	72.5	22.5	68	ne.			5		7							squally.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.86	758 4	81.1	27.3	88	sse.			3		1		sw.	o	o	2	ne.	d. clouds
S. S. British Crown, N. 47° 52′, W. 31° 56′†	29.29	744.0	48	8.9		wsw.			6		8		sse.	2 h'r	2 h'r	6	sse.	blue sky.
S. S. Circassian, N. 49° 50′, W. 29° 20′	29.04	737.6	50	10.0	79	wsw.			8		8		wsw.	1 h'r	1 h'r	sli't	wsw.	showery.
S. S. Polynesian, N. 41° 55′, W. 53° 10′	30.09	764.3	38	3.3		wnw.			6		6		wsw.			5	wsw.	misty.
S. S. Scandinavian, N. 41° 46′, W. 54° 52′	30.07	763.8	38	3.3		wnw.			4		6		W;sW	o	o	mod.	w.	raining.
S. S. Ailsa, N. 19° 18′, W. 74° 22′			76.5	24.7	91	ne.			5		9		wnw.	snow	snow	cross	var.	fair.
S. S. Alps, N. 30° 50′, W. 69° 20′						e.			3		5		ne.	o	o			snowy.
S. S. Dorian, Naples, Italy			70	21.1		var.			4		7		e.	o	o	sm'h	e.	fair.
S. S. Galatia, Genoa, Italy*†	30.29	769.4				s.			1					o	o			fine.
S. S. Carroll, Halifax, N. S *†	30.25	768.3	73?	22.8?		nw.			1		0			o	o			clear.
S. S. California, N. 45° 40′, W. 27° 59′*†	30.40?	772.1?	32?	0.0?		var.			1		0			snow	snow			clear.
S. S. Labrador, N. 44° 12′, W. 40° 05′ *†	29.55	750.6	55.2	12.9		w.			5		8		w.	rain	rain	long	w.	clear.
S. S. Bohemia, N. 52° 51′, E. 3° 36′	29.88	759.0	54.5	12.5		sse.			5		5		wnw.	rain	rain	h'vy	w.	cloudy.
S. S. Westphalia, N. 48° 20′, W. 20° 10′						sw.			2–4		6		sse.	o	o	sm'h	se.	fair.
S. S. Virginian, N. 42° 00′, W. 56° 00′	29.57	751.1	48	8.9		sw.			6		7		sw.	2 h'r	2 h'r	mod.	sw.	clear.?
S. S. Teniers, N. 35° 03′, W. 15° 02′						sw.			6		5?		sse.	2 h'r	2 h'r	r'gh	sw.	cloudy.
S. S. Archimede, (It.) N. 37° 31′, W. 63° 10′ †	29.92	760 0	58.7	14.8	73	n.			6		6			2 h'r	2 h'r	r'gh	sw.	
S. S. Picqua, N. 36° 40′, W. 3° 00′†	30.40	772.1	58	14.4		nne.			6	ck	6 k	nne.		1.90	48.3	con.	var.	d. clouds.
S. S. Oregon, (Br) N. 41° 32′, W. 59° 00′	29.80	756.9	58	14.4	88	ene.			5		4		ne.	3 h'r	3 h'r	r'gh	nnw.	fair.
S. S City of Merida, N. 19° 10′, W. 95° 28′	30.26	768.6	36	2.2		wnw.			7					o	o		e.	overcast
S. S. Canada, (Br) N. 45° 38′, W. 29° 05′			77.0	25.0		e.			5		6		wnw.	4 h'r	4 h'r	mod.	wnw.	fine.
S. S. Helvetia, N. 51° 20′, W. 11° 29′			57	13.9		w.			4		8		e.	o	o	light	n.	fine.
S. S. Hohenstaufen, N. 48° 12′, W. 19° 26′			57	13.9	90	s.			6		6		w.	o	o	r'gh	w.	fair.
S. S. Neckar, N. 41° 53′, W. 43° 58′	29.57	751.1	51.5	10.8		sw.			4		2		sse.	o	o	long	sw.	clear
S. S. Rhein, N. 48° 50′, W. 16° 47′			51.8	11.0	63	wnw.			4–5		6		sw.	o	o	long	sw.	cloudy.
S. S. Belgenland, N. 40° 10′, W. 59° 41′						sw.			4–6		5?		wnw.	3 h'r	3 h'r	r'gh	wnw.	cloudy.?
S. S. Pennland, N. 48° 07′, W. 19° 16′			45	7.2	53	nnw.			5		4		sw.	o	o	mod.	sw.	fair.
S. S Waesland, New York, N. Y			50	10.0		sse.			5				n.	o	o	mod.	nw.	cloudy.
S. S. P. Caland, N. 40° 58′, W. 44° 36′	30.43	772 9	36	2.2		wsw.			6		5		s	4 h'r	4 h'r	con.	w.	fair.
S. S. Zaandam, N 46° 13′, W. 34° 55′			54.3	12.4	84	n.			4		2		w.	o	o			clear.
S. S. Maasdam, N. 46° 32′, W. 16° 33′*			54.0	12.2	90	w.			3		8		sw.	2 h'r	2 h'r	4	nw.	
S. S State of Nebraska, N. 42° 43′, W. 47° 38′*†	29.86	758.4	59	15.0	73	sw.			9		6		w.	6 h'r	6 h'r	h'vy	wsw.	cloudy
S. S. State of Nevada, Glasgow, Scotland*†	29.90	759.4	32	0.0		w.			3		2		sw.	o	o	3	w.	fair
S. S. Saxon, N. 39° 50′, W. 74° 50′	29.94	760.5	52	11.1		s.			4		8		w.	o	o	con.	w.	gloomy.
S. S. Lepanto, N. 50° 44′, E. 0° 13′			39	3.9		sse.			3		8		se.	o	o			fine.
			53	11.7		ssw.			1		4			o	o			fair.
											4		wsw.	o	o	sm'h		fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Marengo, N. 49° 59′, W. 5° 18′	.....	.....	54	12.2	.....	sse.	.....	.....	5	.....	2	.....	se.	4 h'r	4 h'r	mod.	se.	misty.
Schr. Arthur Burton, N. 21° 05′, W. 66° 17′†	30.15	765.8	.....	.....	.....	e.	.....	.....	4	.....	2	.....	e.	3 h'r	3 h'r	chop	e.	fine.
Bg. Abbie Clifford, N. 23° 38′. W. 58° 39′	.....	.....	63	17.2	.....	nw.	.....	.....	6	.....	7	.....	nw.	.....	.....	mod.	nw.	d. clouds.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.00	762.0	78	25.6	.....	calm	.....	.....	0	.....	4	.....	ene.	½ h'r	½ h'r	.....	.....	clear.
S. Annie, N. 23° 30′, W. 61° 54′*	30.13	765.3	.....	.....	.....	ne.	.....	.....	4	.....	3	.....	ne.	0	0	mod.	ene.	clear.
Schr. Abbie H. Gheen, Springwood Mills, S. C*†	30.45	773.4	55	12.8	.....	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 21° 20′, W. 25° 25′ *†	30.12	765.0	70	21.1	.....	e.	.....	.....	5	.....	4?	.....	e.	0	0	long	n.	cloudy.?
Bk. Achille F., N. 4° —′, W. 35° —′*†	29.94	760.5	81	27.2	85	ne.	.....	.....	5	.....	2	.....	.....	0	0	mod.	var.	fine.
Bk. Bore, N. 31° 08′, W. 19° 00′ *†	30.03	762.7	66	18.9	.....	nnw.	.....	.....	4	.....	2	.....	nnw.	0	0	long	nw.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.99	761.7	78	25.6	.....	ene.	.....	.....	4	.....	10	.....	ene.	12 h'r	12 h'r	.....	.....	cloudy.
Bk. Cato, Oporto, Portugal†	29.92	760.0	59	15.0	94	se.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	cloudy.
Bk. C. S. Bushnell, N. 39° 09′, E. 13° 44′	30.33	770.4	.....	.....	.....	nnw.	.....	.....	2	.....	2	.....	se.	0	0	sm'h	.....	clear.
S. David Stewart, N. 17° 57,′ W. 67° 20′	.....	.....	79	26.1	.....	e.	.....	.....	5	.....	8	.....	ene.	h'vy	h'vy	long	e.	squally.
Schr. Edith R. Seward, Orchilla Island, Venezuela	.....	.....	80	26.7	.....	ene.	.....	.....	2	.....	2	.....	ene.	0	0	.....	.....	clear.
Bk Esmeralda, off The Naze, Norw y	30.12	765.0	.....	.....	.....	e.	.....	.....	3	.....	fg.	.....	.....	0	0	sm'h	.....	dense fog.
U. S. Fish. Com. S. S. Fish Hawk, Charleston, S. C	.....	.....	.....	.....	.....	se.	.....	.....	2	.....	10	.....	se.	0·	0	light	s.	cloudy.
U. S. Frank N. Thayer, N. 0° 53′, W. 25° 51′ *†	29.93	760.2	87	30.6	72	calm	.....	.....	0	.....	8	.....	e	1 h'r	1 h'r	light	ne.	showery.
S. Grecian, N. 2° 40′, W. 37° 36′	.....	.....	81	27.2	87	ne.	.....	.....	4	.....	5?	.....	ne.	4 h'r	4 h'r	.....	n.	clear.?
Bk. Galeon, N. 29° 50′, W. 15° 09′	.....	.....	61	16.1	.....	nw.	.....	.....	4	.....	3	.....	nw.	rain	rain	.....	nw.	blue sky.
S. Gatherer, N. 2° 21′, W. 27° 50′ †	29.92	760.0	78	25.6	95	ne.	.....	.....	4	.....	4	.....	ne.	0	0	.....	n.	clear.
Bk. Heinrich & Tonio, N. 39° 11′, W. 24° 20′*†	30.07	763.8	59	15.0	76	w.	.....	.....	2	.....	4	.....	var.	0	0	long	nw.	fair.
Bk. Hattie G. McFarland, Aspinwall, U.S.C	.....	.....	78	25.6	.....	ne.	.....	.....	6	.....	6	.....	ne,	0	0	.....	.....	
S. Henry Failing N. 8° 11′, W. 41° 00′	.....	.....	80	26.7	91	ne.	.....	.....	5	.....	3	.....	ne.	0	0	long	nne.	clear.
Schr. Jennie N. Huddell, Smithville, N. C†	30.38	771.6	51	10.6	.....	ne.	.....	.....	2	.....	2	.....	w.	0	0	.....	.....	clear.
Bg. John Welsh, jr, Barbadoes, W. I	29.97	761.2	.....	.....	.....	one	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.14	765.5	.....	.....	.....	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Orinoco river, Venezuela *..	29.94	760.5	76	24.4	.....	ene.	.....	.....	3	.....	4	.....	ene.	1 h'r	1 h'r	.....	.....	fair.
Bg. L. & W. Armstrong, Pointe a Pitre, Guadeloupe†	30.02	762.5	.....	.....	.....	e.	.....	.....	1	.....	1	.....	e.	½ h'r	½ h'r	.....	.....	fine.
S. S. Madrid, Benisa Spain	.....	.....	75	23.9	72	nne.	.....	.....	1	.....	3	.....	une.	0	0	.....	.....	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W.I*†	30.02?	762.5?	.....	.....	.....	n.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Rosalie, N. 51° 12′, W. 8° 43′*†	29.82	757.4	.....	.....	.....	ssw.	.....	.....	4	.....	3	.....	sw.	3½ hr	3½ hr	mod.	ssw.	clear.
Bk. Rosina, N. 37° 18′, W. 36° 44′	30.06	763.5	62	16.7	.....	wsw.	.....	.....	4	.....	10	.....	.....	4 h'r	4 h'r	large	n	
Bk. Sunbeam, Lisbon, Portugal†	29.79	756.7	62	16.7	94	ene.	.....	.....	5	.....	10	.....	sse.	16 h'r	16 h'r	.....	.....	light rain.
S. Stephen D. Horton, N. 48° 30′, W. 9° 10′†	30.00	762.0	.....	.....	.....	sw.	.....	.....	3	.....	5	.....	sw.	0	0	mod.	w.	hazy.
S. Tsemogorn, N. 39° 00′, W. 35° 19′*†	30.02	762.5	.....	.....	.....	wsw.	.....	.....	4	.....	3	.....	wsw.	0	0	long	nw.	clear.
Bk. Tros, N. 25° 25′, W. 30° 55′*†	30.25	768.3	67	19.4	.....	ne.	.....	.....	4	.....	3	.....	nne.	1 h'r	1 h'r	mod.	nne.	
S. Vincenzo Accame, N. 40° 15′, E. 8° 14′ †	30.32	770.1	62.6	17	.....	ese.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, South Africa	29.80	756.9	76	24.4	64	ne.	4	1.8	.....	.....	0	.....	.....	0	0	sm'h	.....	clear.
U. S. S. Pensacola. S. 20° 37′, E. 0° 14′	30.01	762.2	74	23.3	72	e.	.....	.....	3	.....	5	.....	ese.	0	0	light	ese.	fair.
H. M. S. Amethyst, S. 51° 11′, W. 60° 00′	28.84	732.5	49	9.4	78	ssw.	.....	.....	4–6	.....	9	s.	.....	.....	.....	4	sw.	squally.
H. M. S. Boudicea, Congo river, Guinea	29.82	757.4	92	33.3	92	ese.	.....	.....	2	.....	5	ese.	.....	.....	.....	.....	.....	d. clouds
H. M. S. Opal, Simons Bay, Cape Colony	29.94	760 5	74	23.3	72	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	29.77	756.1	73.2	22.9	89	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela..	29.81	757.2	71.4	21 9	81	wnw.	.....	.....	3	.....	2	.....	.....	0	0	1	.....	blue sky.
S. S. Archimedes, (Br) S. 14° 23′, W. 36° 28′	29.97	761.2	.....	.....	.....	ese.	.....	.....	3–4	.....	3	.....	ese.	¼ h'r	¼ h'r	light	se.	fine.
S. S. Hevelius, S. 18° 00′, W. 38° 20′ *†	30.14	765.5	83	28.3	.....	ene.	.....	.....	3	.....	4	.....	.....	0	0	sm'h	.....	clear.
S. S. Rosse, S. 22° 33′, W. 40° 53′	29.93	760.2	79	26.1	82	ne.	.....	.....	3	.....	6	.....	nne.	0	0	.....	.....	fair.
Bk. Horace Scudder, S. 1° 18′, E 7° 26′ *†	30.10	764.5	75	23.9	.....	se.	.....	.....	3	.....	.....	.....	.....	2 h'r	2 h'r	.....	.....	light rain.
Schr. Jas. Slater, S. 0° 25′, W. 48° 00′*†	29.98	761 5	.....	.....	.....	se.	.....	.....	2	.....	8	.....	se,	0	0	.....	se.	fine.
S. S. Ismir, S. 21° 00′, W. 26° 40′ *†	30.20	767.1	82	27.8	.....	calm	.....	.....	0	.....	8	.....	calm	4 h'r	4 h'r	mod	e ne.	
S. S. Mendoza, S. 10° 08′, W. 33° 21′ †	30.00	762.0	74	23.3	.....	n.	.....	.....	2	.....	10	.....	n.	0	0	mod.	n.	cloudy.
U. S. S. Nipsic, S. 18° 00′, W. 38° 43′*	30.00	762.0	.....	.....	.....	e.	.....	.....	3	.....	.....	.....	e.	0	0	sm'h	e.	clear.
U. S. S. Shenandoah, Montevideo, Uruguay*	30.05	763.3	82.0	27.8	93	ene.	.....	.....	2	.....	3	.....	ene	1 h'r	1 h'r	long	e.	fair.
	29.78	756.4	70	21.1	95	n.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	.....	.....	39.5	4.2	42	n.	.....	.....	6	.....	8	.....	w.	0.07	1.8	.....	.....	cloudy.
U. S. S. Alert, Shanghai, China	30.27	768.8	46	7.8	77	ene.	.....	.....	3	.....	10	.....	ene.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 32° 38′, E. 129° 36′	30.02	762 5	50	10.0	72	nne.	.....	.....	5	.....	5	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Juniata, Roze Island, Corea	30.20	767.1	35	1.7	93	nw.	.....	.....	5	.....	2	.....	.....	0	0	.....	.....	fair.
U. S. S. Palos, Woosung, China	30.30	769.6	42	5.6	83	ene.	.....	.....	4	.....	10	.....	calm	.....	.....	sm'h	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	29.92	760.0	74	23.3	70	calm	.....	.....	0	.....	10	e.	.....	.....	.....	.....	.....	misty.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.08	764.0	50	13.3	81	e.	.....	.....	4	.....	10	.....	.....	.....	.....	2	.....	
H. M. S. Champion, Shanghai, China	30.26	768.6	47	8.3	70	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.15	765.8	51.5	10.8	84	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	3	se.	misty.
H. M. S. Magpie, N. 1° 17′, E. 103° 51′	29.84	757.9	82.7	28.2	75	e.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Pinnega, Macao, China	.....	.....	77.0	25	83	sw.	.....	.....	0–1	.....	8	.....	ne.	2 h'r	2 h'r	.....	.....	foggy.
U. S. S. Monocacy, Canton, China	29.90	759.4	74	23.3	86	ese.	.....	.....	1	.....	10	.....	sw.	.....	.....	.....	.....	cloudy.
S. S. Newbern, La Paz, Mexico	.....	.....	66	18.9	74	nw.	.....	.....	4	.....	5	.....	.....	0	0	.....	.....	fair.
S. S. City of Chester, San Francisco, Calf	30.09	764.3	58	14.4	93	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	
S. S. Columbia, Saint Helens, Oregon*†	30.09	764.3	46	7.8	92	calm	.....	.....	0	.....	9	.....	wsw.	.....	.....	.....	.....	cloudy.
S. S. Oregon, N. 45° 08′, W. 124° 20′†	30.21	767.3	48	8.9	85	calm	.....	.....	0	.....	10	.....	nne.	.....	.....	light	w.	gloomy.
S. S. Alameda, N. 34° 28′, W. 131° 16′†	30.25	768.3	56	13.3	94	sw.	.....	.....	2	.....	.....	.....	nne.	0	0	light	w.	overcast.
S. S. Ancon, Polo Duma, Calf	30.07	763.8	57	13.9	87	ene.	.....	.....	2	.....	0	.....	.....	0	0	light	sw.	
S. S. State of California, N. 35° 0′, W. 120° 50′	.....	.....	54	12.2	86	nw.	.....	.....	3	.....	10	.....	nw.	.....	.....	mod.	w.	overcast.
S. S. City of Pekin, N. 32° 50′, E. 133° 41′ †.	29.91	759 7	54	12.2	74	n.	.....	.....	2	.....	5	.....	ne.	0	0	sm'h	.....	fair.
S. S. City of Rio deJaneiro, N. 25° 04′, W. 151° 57′†	30.13	705 3	71	21.7	.....	ne.	.....	.....	5	.....	.....	.....	ne.	.....	.....	long	nw.	cloudy.
S. S. City of Tokio, N. 33° 43′, E. 168° 00′†	30.21	767.3	54	12.2	67	sw.	.....	.....	1	.....	0	.....	.....	.....	.....	r'gh	nw.	hazy.
S. S. Colima, N. 24° 08′, W. 111° 06′†	30.01	762.2	64	17.8	73	nw.	.....	.....	3	.....	0	.....	.....	0	0	mod.	wnw.	clear.
S. S. Granada, La Libertad, San salvador†	29.94	760.5	76	24.4	86	ese.	.....	.....	2	.....	0	.....	.....	0	0	mod.	.....	clear.
S. S. San Blas, N. 31° 43′, W. 119° 22′†	30.11	764.8	55	12.8	87	nw.	.....	.....	4	.....	10	.....	nw.	0	0	mod.	nw.	cloudy.
S. S. San Jose, N. 14° 19′, W. 92° 02′ †	30.00	762.0	77	25.0	95	nnw.	.....	.....	2	.....	3	.....	nw.	0	0	small	se.	clear.
S. S. Zealandia, N. 21° 46′, W. 150° 33′	30.05	763.3	71	21.7	71	ne.	.....	.....	4	.....	1	.....	n.	.....	.....	mod.	w.	fair.
S. S. Benalder, N. 29° —′, E. 124° 45′	30.13	765.3	51	10.6	86	n.	.....	.....	4–5	.....	6	wsw.	n.	4 h'r	4 h'r	light	nw.	cloudy.
S. J. W. Gildemeister, N. 5° 16′, E 113° 20′	29.91	759.7	79.7	26.5	88	nw.	.....	.....	2	.....	2 k	.....	nw.	0	0	1–2	nw.	d. clouds.
U. S. S. Richmond, Woosung, China	30.30	769.6	47	8.3	77	nne.	.....	.....	5	.....	10	.....	nne.	0.5	13.	.....	.....	cloudy.
S. S. Oceanic, N. 34° 46′, W. 163° 37′	30.27	768.8	58	14.4	82	sw.	.....	.....	4	.....	6	.....	sw.	0	0	4	w.	fair.
District No. 4—South Pacific.																		
U. S. S. Pinta, S. 49° 25′, W. 49° 17′	29.51	749.5	39	3.9	91	nne.	.....	.....	1	.....	10	.....	ne.	.....	.....	.....	.....	rainy.
U. S. S. Wachusetts, Valparaiso, Chili	29.95	760.7	60	15.6	82	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Espeigle, S. 36° 50′, E. 174° 49′	30.12	765.0	62	16.7	88	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.10	764.5	61.3	16.3	82	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Sappho, S. 12° 04′, W. 77° 10′	29.96	761.0	72	22.2	95	sse.	.....	.....	1	.....	7	s.	.....	.....	.....	.....	.....	d. clouds.
S. S. City of Sydney, Sidney, N S. W*†	30.33	770.4	63	17.2	94	sse.	.....	.....	3	.....	2 ke	.....	ese.	.....	.....	.....	.....	clear.
U. S. S. Port Phillip, S. 3° 41′, E. 150° 14′	29.78	756.4	88	31.1	84	var.	.....	.....	1	.....	.....	.....	.....	.....	.....	sm'h	e.	clear.
U. S. S. Onward, Callao Bay. Peru *†	30.04	763.0	71	21.7	95	se.	.....	.....	1	.....	10	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Iroquois, Coquimbo, Chili	30.02	702.5	63	17.2	89	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	71	21.7	90	se.	.....	.....	2	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 15° 45′, E. 58° 52′	29.92	760.0	83	28.3	83	calm	.....	.....	0	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.81	757.2	85	29.4	72	ne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 25° 07′, E. 77° 12′*.	29.96	761.0	.....	.....	.....	nne.	.....	.....	4	.....	8	.....	n.	1 h'r	1 h'r	mod.	sw.	cloudy.

International Chart I. March 17, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 18, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
Algerian.																			
Neimours	.....	.....	29.86	758.5	61.2	16.2	63	nw.	.....	.....	1	.....	10	.....	.....	0.772	19.6	covered	Roziere.
Algiers	.....	.....	30.11	764.8	66.9	19.4	60	nw	.....	.....	1	.....	4	.....	.....	0	0	cloudy.....	Théve.
La Calle	.....	.....	30.24	768.0	69.4	20.8	75	s.	.....	.....	5	.....	3	.....	.....	0	0	pretty fair...	Fonfréde.
Tunis	... ...	.....	30.31	769.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.06	763.4	57.6	14.2	65	se.	... ...	.....	7	.....	3	.....	.....	0	0	pretty fair...	Forfert.
Laghouat	.....	.....	30.19	766.9	54.0	12.2	.....	ene.	.....	.....	6	.....	9	.....	.....	0	0	covered.....	Abraham.
Biskra	.....	.....	30.27	768 8	68.4	20.2	55	e.	.....	.....	5	.....	4	.....	.....	0	0	cloudy.....	Gouzon.
Australian.																			
Adelaide, South Australia	.....	.....	30.23	767.8	71.5	21.9	29	calm	0	0	.....	1 cs	.....	.....	.....	0	0	fine.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.98	761.5	30.17	766.3	54	12.2	82	wnw.	5	2.2	.....	.....	9	.....	nw.	0	0	clondy.....	Com. J. Shortt, R.N.
Melbourne, Victoria	30.11	764.8	30.20	767.1	56.5	13.6	63	ese.	4	1.8	.....	.....	1	.....	.....	0	0	fine.....	R. L. J. Ellery.
Austro-Hungarian.																			
Agram	29.65	753.0	30.23	767.9	60.4	15.8	32	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.30	744.1	30.00	763.5	56.5	13.6	38	w.	6.9	3.1	.....	.....	1	... ...	.....	0	0	....	Dr. Wierzbiski
Eperies	29.22	742.1	30.10	764.6	52.5	11.4	49	s.	.....	.....	1	.....	0	.....	...	0	0	.....	Julius Mikolik.
Gratz	28.92	734.5	30.16	766.0	60.3	15.7	42	nw.	.....	.....	1	.....	0	.....	.....	0	0	... .	Andreas Rospini.
Hermannstadt	28.68	728.5	30.13	765.2	52.3	11.3	28	nw.	... ...	.....	4	.....	0	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.85	732.8	30.19	766.7	57.9	14.4	58	W.	.....	.....	1	.....	3	.....	.....	0	0	fair.....	The Staff.
Lemberg	29.02	737.1	30.02	762.6	45.3	7.4	70	nw.	.....	.....	4	.....	9	.....	.....	0.146	3.7	.....	Dr. T. Stanecki.
Pola	30.15	765.8	30.26	768.6	59.9	15.5	71	sse.	.....	.....	2	.....	0	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.61	752.2	30.08	764.0	54.7	12.6	39	w.	.....	.....	3	.....	0	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.88	758.9	30.16	766.1	55.8	13.2	33	W.	.....	.....	1	.....	0	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.21	767.4	30.31	769.9	54.3	12.4	42	nw.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.46	748.2	30.17	766.2	63.3	17.4	37	w.	.....	.....	2	.....	0	.....	.....	0	0	....	I. R. Central Met. Obs'y.
Belgian.																			
Arlon	28.78	730.9	30.14	765.6	62.4	16.9	48	sw.	.....	.....	0–1	.....	0	.....	.....	0	0	....	
Brussels	29.94	760.5	30.14	765.6	63.7	17.6	57	wsw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Furnes	30.10	764.4	30.11	764.9	67.5	19.7	58	ssw.	.....	.....	1	.....	4	.....	.....	0	0	....	
Maseyck	30.03	762.8	30.16	766.0	68.0	20.0	74	W.	.....	.....	1	.....	2	.....	.....	0	0	....	
British.																			
Aberdeen	29.52	749.8	29.62	752.3	49.0	9.4	72	s.	25	11.2	.....	.....	4	.....	.....	0.110	2.8	blue sky.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.88	758.9	54.1	12.3	58	ssw.	35	15.6	.....	.....	6	.....	.....	.....	.....	d. clouds.....	John Hartnup.
Bolton, Sharples	29.34	745.2	29.87	758.7	51.9	11.1	67	ssw.	24	10.7	.....	.....	7	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.47	748.5	29.87	758.7	53.7	12.1	61	sw.	.....	.....	5	.....	7	.....	.....	0.05	1.3	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.97	761.2	30.00	762.0	80	26.7	74	no.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	58 0	14.4	79	sw.	.....	.....	1.0	.....	9	.....	.....	.....	.....	overcast.....	John McLaren.
Chatham, School M. E	29.89	759.2	30.07	763.8	64.0	17.8	59	sw.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.86	758 4	30.09	764.3	53.3	11.8	80	sw.	.....	.....	5	.....	9	.....	.....	.....	.....	overcast.....	The Staff.
Fort Napier, Natal	27.70	703.6	30.11	764.8	70.0	21.1	78	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.61?	752.1?	29.65?	753.1?	51	10.6	86	sw.	.....	.....	5	.....	8	.....	.....	0.10	2.5	threatening	Wm. Ryan.
Gibraltar, Mediterranean	29.83	757.7	29 93	760.2	59.4	15.2	92	e.	.....	.....	6	.....	10	.....	.....	.....	.....	raining.....	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.87	758.7	30.04	763.0	01.9	16.6	60	sw.	.....	.....	3	.....	6	... ...	... ...	.....	.....	d. clouds	The Staff.
Guernsey	29.76	755.9	30.05	763.3	55.5	13.1	65	ssw.	.....	.....	2	0	8	.....	.....	.....	.....	d. clouds.....	A. Collenette, F.R.M.S
Kew, Observatory	30.02	762.5	30.00	763.5	60.0	15.6	64	wsw.	16	7.2	.....	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.75	755.6	30.01	762.2	59.0	15.3	57	sw.	.....	.....	1	.....	6	.....	.....	.....	.....	d clouds	J. C. Smith.
Malta, Mediterranean	30.23	767.8	30.30	769.6	58.2	14.6	79	sw.	.....	.....	2	.....	10	.....	.....	0	0	overcast.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.13	765.3	30.17	766.3	75.0	23.9	77	e.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.80	756.9	30.03	762.7	56.3	13.5	87	s.	.....	.....	3	.....	9	.....	.....	.....	.....	overcast.....	The Staff.
Plymouth	30.01	762.2	30.08	764.0	51.7	10.9	90	ssw.	.....	.....	2	.....	9	.....	.....	.....	.....	misty.....	John Merrifield.
Sandwick Manse, Orkneys	29.32	744.7	29.42	747.3	48	8.9	79	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	showery.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.11	764.8	30.17	766.3	48.0	8.9	63	sw.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky.....	W. H. Lyne.
Sheffield	29.66	753 4	29.93	760.2	61.3	16.3	58	sw.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds.....	W. F. Cooper.
Silloth Rectory	29.70	754.4	29.74	755.4	48.5	9.3	96	sw.	.....	.....	6	.....	10	.....	.....	0.070	1.8	overcast. ...	Rev. F. Redford, M. A.
Strathfield Turgiss	.....	.....	29.88	758.9	52.0	11.1	64	ssw.	25	11.2	.....	.....	9	.....	.....	0.080	2.0	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	.....	.....	.....	.....	50.3	13.5	87	W.	.....	.....	3.5	.....	0	.....	.....	.....	.....	misty.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.88	758 9	29.90	759.4	52.4	11.3	69	wsw.	29	13.0	.....	.....	4	.....	.....	.....	.....	.....	
Hong Kong Obs'y, China	29.98	761.5	30.37	771.4	63.3	17.4	65	s.	2.5	1.1	.....	6 c	3 n	W.	.....	0	0	cloudy.....	Rev. Jos. Micali, S.J.
	29.92	760.0	30.04	763.0	59.5	15.4	96	e.	19	8.5	.....	.....	10 k	.....	e.	0.635	16.1	cloudy.....	The Staff.
Canadian.																			
Bathurst, N. B	29.96	761.0	30.00	762.0	23.0	— 5.0	.....	calm	0	0	.....	.....	10 n	.....	.....	0.200	5.1	snowing.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.70	754.4	29.74	755.4	27	— 2.8	94	nw.	10	4.5	.....	0	8 n	.....	nw.	0.250	6.3	clearing.....	H. J. Cundall, C. E.
Chatham, N. B	29.88	758.9	29.95	760.7	17	— 8.3	91	n.	6	2.7	.....	0	0	.....	... ...	0.13	3.3	clear.....	G. A. Blair.
Cornwall, Ontario	30.16	766.1	30.36	771.1	21.7	— 5.7	85	nw.	.....	.....	1	0	0	.....	.....	0.200	5.1	blue sky.....	Jas. Smith, M. A.
Dalhoustie, N. B	29.97	761.2	30.03	762.7	10.0	— 8.9	.....	e	.....	.....	2	0	2 s	.....	.....	0.100	2.5	d. clouds	H. A. Johnson.
Father Point, Quebec	30.11	764.8	30.13	765.3	14	—10.0	91	nw.	8	3.6	.....	0	2 ks	.....	.....	0.20	5.1	clear.....	J. McWilliams
Fort Garry, Manitoba	29.17	740.9	30.07	763.5	14	—10.0	100	s.	23	10.3	.....	0	0	.....	.....	0	0	clear.....	James Stewart.
Fredericton, N. B	29.94	760.5	30.01	762.2	22.2	— 5.4	84	nw.	10	4.5	.....	0	5 s	.....	.....	0.150	3.8	d. clouds.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.95	760.7	30.01	762.2	27	— 2.8	88	nw.	20	8.9	.....	5 k	0	nw.	.....	0.30	7.6	fair.....	J. Chipman Seeley
Granton, Ontario	29.20	741.7	30.38	771.6	23.3	— 4.8	96	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	Jas. Grant.
Halifax, N. S	29.69	754.1	29.83	757.7	34	1.1	82	w.	11	4.9	.....	10 k	0	W.	.....	0.120	3.0	cloudy.. .	A. Allison.
Hamilton, Ontario	29.92	760.0	30.33	770.4	26.2	— 3.2	87	sw.	.....	.....	1	2 c	0	W.	.....	0	0	hazy.....	Geo. Dickson, B. A.
Kingston, Ontario	30.05	763.3	30.41	772.4	24	— 4.4	88	calm	0	0	.....	0	0	.....	.....	0.03	0.8	clear.....	A. P. Knight, M. A.
Little Glace Bay, N. S	29.49	749.0	29.53	750.0	31.5	— 0.3	100	sw.	1	0.4	.....	.....	10 n	.....	.....	0.300	7.6	overcast.....	C. H. Rigby.
London, Ontario	29.41	747.0	30.37	771.4	25.5	— 3.4	81	calm	.....	.....	0	3 k	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.67	702.8	30.06	763 5	24	— 4.4	96	nw.	1	0.4	.....	10 ck	0	.....	.....	0	0	cloudy.....	John Ewart.
Minnedosa, N. W. T	27.94	709 7	29.99	761.7	17	— 8.3	100	nw.	6	2.7	.....	.....	fg.	.....	.....	0	0	dense fog....	Rev. J. M. Wellwood.
Montreal, Quebec	30.15	765.8	30.37	771.4	22	— 5.6	88	nw.	16	7.2	.....	0	0	.....	.....	0.25	6.3	clear.....	C. H. McLeod, C. E.
Ottawa, Ontario	30.16	766.1	30.40	772.1	15.0	— 9.4	88	nnw.	.....	.....	.....	0	0	.....	.....	0.150	3.8	blue sky.....	A. McGill, M. A.
Parry Sound, Ontario	29.68	753.9	30.45	773.4	6	—14.4	76	W.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	Rev. R. Mosley.
Peterboro, Ontario	29.62	752.3	30.42	772.7	20.4	— 6.4	82	ne.	.....	.....	1	3 c	0	W.	.....	0.09	2.3	blue sky.....	Wm. O'Connor, M.A.
Port Arthur	29.55	750.6	30.32	770.1	11	—11.7	90	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.63	752.6	30.37	771.4	25	— 3.9	100	ne.	7	3.1	.....	0	0	.....	.....	0.02	0.5	clear.....	H Morgan
Port Stanley, Ontario	29.67	753 0	30.36	771.1	20	— 3.3	88	ne.	7	3.1	.....	5 ck	0	W.	.....	0.08	2.0	fair.....	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec	29.85	758.2	30.24	768.1	18	— 7.8	83	sw.	12	5.4	.....	2 c	0	sw.	.....	0.30	7.6	fair.....	Capt. Asne, R. N.
Rockliffe, Ontario	29.91	759.7	30.41	772.4	23	— 5.0	91	calm	0	0	.....	0	5 s	.....	ne.	0.10	2.5	fair	W. H. McIntyre.
St. Andrews, N. B	29.92	760.0	29.97	761.2	25	— 3.9	90	nw.	5	2.2	.....	0	0	.....	.....	0.15	3.8	clear.....	
St. John, N. B	29.81	757.2	29.96	761.0	24.3	— 4.3	95	nw	28	12.5	.....	0	0	.....	.....	0.250	6.3	blue sky.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.92	760.0	27.3	— 2.6	.....	s.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	29.62	752 3	30.39	771.9	20	— 6.7	91	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	
Stratford, Ontario	29.01	736.8	30.38	771.6	23.0	— 5.0	57	e.	1	0.4	.....	0	0	.....	.....	0.500	12.7	blue sky.....	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Velocity.		Force.	Clouds. Amount and kind.		Direction.		Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.		
CANADIAN.—Continued.																			
Sydney, C. B*	29.60	751.8	29.67	753.6	30	— 1.1	92	se.	6	2.7			10 n			0.40	10.2	heavy snow	**T. C. Hill, C.E.**
Toronto, Ontario*	30.01	762.2	30.42	772.7	24	— 4.4	76	n.	9	4.0		0	0			0.04	1.0	clear	**Magnetic Observatory.**
Woodstock, Ontario	29.28	743 7	30.43	772.9	23.2	— 4.9	93	n.	9	4.0		0	1 s			0	0	blue sky	**Prof. N Wolverton, M.A.**
Yarmouth, N.S*	29.90	759.4	29.96	761.0	32	0.0	85	nw.	22	9.8		0	5 k		nw.	0.10	2.5	fair	**Lt. F. E. Wilmot, R. N.**
CAPE COLONY.																			
Cape St. Francis Lt.House	29.84	757.9	29.87	758.7	71.5	21.9	90	ne.				0	0			0	0	clear	**I. Garfelt.**
Cape Town, The Castle	29.75	755.6			78.0	25.6	32	nw.				0	0			0	0		**Capt. R. Gardner Warton**
Springbok Fontein	27.91	708.9			84	28.9	45									0	0		**J. T. Eustace**
CHILIAN.																			
Iquique																			**Rafael Moreno.**
Niebla	29.60	751.9	29.71	754.6	46.4	8.0	97	e.			1		8		e.	0	0	misty	**Federico Köhling.**
Punta Caldera																			**Manuel Tobar.**
Punta Corona																			**Francisco Alvarado.**
Quiriquina					53.6	12.0	82	s.			2	0				0	0	clear	**Leon Herrera.**
Valparaiso	29.82	757.4	29.96	761 0	58.1	14.5	94	s.			1	0	0					clear	**Paez-I-Ampuero.**
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.20	767.1	30.22	767.7	42.4	5.8	73	ne.	6.7	3.0			10			0	0	covered	**M. Marc Dechevrens, S. J**
DANISH.																			
Copenhagen	29.99	761 7	30.04	762.9	55.6	13.1	68	ssw.	9	4			4						**Oversergent Fischer.**
Fanöe	30.00	762.0	30.02	762.5	47.7	8.7	81	sw.			4		9						**Overloerer Lauridsen.**
Godthaab, Greenland	29.24	742.8	29.29	743.9	15.4	— 9.2	91	nne.			2–4		10						**S. Kleinschmidt.**
Ivigtut, Gree. land	29.12	739.6	29.14	740.1	19.8	— 6.8		calm			0		7						
Stykkisholm, Iceland	29.11	739.5	29.16	740.6	32.7	0.4	83	e.			4		5						**A. O. Thoriacius.**
Thorshavn	29.20	741.7	29.22	742.3	45.5	7.5	89	sse.	20	9.			10						**Overloerer Bergh.**
Upernavik, Greenland	29.39	746.4	29.43	747.6	—19.7	—28.7		calm			0		0						
Vestervig	29.86	758.4	29.95	760.7	47.8	8.8	93	s.			4		10					raining	**Loerer Oesterbol.**
EGYPTIAN.																			
Cairo	30.02	762.3			61.7	16.5		nw.	5.1	2.3			8 k			inap.	inap.		**Albert Ismailun, Dir.**
FRENCH.																			
Agen, Normal School	29.64	752.9	30.30	769.5	64.4	18.	62	ese.			1		0			0	0	clear	**M. Labroue, Director.**
Alençon, Normal School	29.61	752.0	30.16	766.0	50.4	10.2	89	s.			1		1 s		n.	0	0	clear	**M. Nicot, Director.**
Arras, Normal School	29.86	758.4	30.10	764.4	68.2	20.1	49	sw.			4		5			0	0	cloudy	**M. Ungerer, Director.**
Avignon, Normal School	30.24	768.2	30.32	770.2	67.6	19.8	36	ssw.			1		0			0	0	clear	**M. Giraud, Director.**
Bar-sur-Seine	29.66	753.4	30.21	767.4	64.4	18.0	43	s.			1		2			0	0	slightly cl'dy	**M. Saillard, Director.**
Beauvais, Normal School	29.90	759 5	30.17	766.2	63.0	17.2	57	s.			1		0			0	0	clear	**M. Frère Eugène Marie.**
Besançon, Normal School	29.30	744.1	30.18	766.6	66.7	19.3	41	s.			1	c				0	0		**M. Gobin, Director.**
Bordeaux, Observatory	29.95	760.6	30.21	767.2	63.5	17.5	65	se.			1		0			0	0	misty	**M. Rayet, Director.**
Bourges, Normal School	29.68	753.8	30.22	767.7	63.7	17.6	40	ssw.			1		2		ssw.	0	0	slightly cl'dy	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.94	760.4	30.18	766 6	65.5	18.6	71	wsw.			1		4		wsw.	0	0		**M. de Kermarec, Dir.**
Caen, Normal School	29.99	761.7	30.06	763.5	69.1	20.6	91	s.			1		0			0	0		**M. Berson, Director.**
Châlons-sur-Marne, N.Sch'	29.94	760.5	30.24	768.0	64.9	18.3	56	calm			0		0			0	0	clear	**M. Jadot, Director.**
Charleville, Normal School	29.66	753.4	30.16	766.1	67.3	19.6	57	ene.			1		0			0	0	clear	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.86	733.1	30.19	766.9	66.7	19.3	17	e.			1		0			0	0		**M. Alluard, Director.**
Cluny, Normal School	29.35	745.4	30.19	766.9	65.3	18.5	45	s.			1		2			0	0	slightly cl'dy	**M. de Villemontée, Dir.**
Commercy, Normal School	29.30	745.8	30.16	766.0	60.6	15.9	49	wsw.			1		0			0	0	clear	**Dr. Coulet, Director.**
Gap, Normal School	27 72	704.2	30.25	768.3	59.0	15.	68	w.			1		c			0	0		**M. Jarach, Director.**
Gréasque, du Rhone	29.17	741.0	30.30	769.5	61.3	16.3	41	nnw.			2		5		s.	0	0		**M. Kina, Director.**
Grenoble, Normal School	29.48	748.8	30.24	768 1	64.0	17.8	46	wnw.			1		0			0	0	clear	**M. Ablard, Director.**
Guéret, Normal School	28.60	726.4	30.17	766 2	59.7	15.4	61	ne.			1		0			0	0	clear	**M. Delorme, Dir.**
Lambal e Normal School	29.83	757.6	30.10	764.6	63.3	17.4	79	ssw.			1	c			ssw.	0	0		**M. Poilpre, Dir.**
Lescar, Normal School	29.63	752.5	30.16	766.0	72.0	22.2	30	ne.			1					0	0		**M. Chauvin, Director.**
Lorient, Naval Observatory	30.06	763.6	30.17	766.2	61.5	16.4	75	sse.			1		2		sse.	0	0	¼ covered	**L. T. Carre, Director.**
Lyon, St. Genis-Laval	29.18	741.2	30.23	767.9	64.2	17.9	35	s.			4		0			0	0	misty	**M. André, Director.**
Mans, Normal School	29.88	759 0	30. 9	766.8	61.7	16.5	61	ssw.			1	2 ck		ssw.		0	0	slightly cl'dy	**M. Richard, Director**
Marseille, Observatory	30.04	763.0	30.31	769.9	61.3	16.3	58	wnw.			0–1		1		sse.	0	0		**M. Stephan, Director.**
Montlouis	24.99	634.7	29.83	757.7	46.4	8.0	44	nw.	18.6	8.3			0			0	0		**M. Cave for Dr. Fines.**
Montpellier, Normal School	30.14	765.5	30.25	768.3	63.0	17.2	88	n.			2		1	ese.		0	0	clear	**M. Galzin, Director.**
Nancy, Normal School	29.41	746.9	30.17	766.3	65.8	18.8	42				1					0	0	foggy	**M. Hasse, Director.**
Nantes, Observatory	30.04	762.9	30.20	767.0	66.2	19.0	49	ssw.			1-2	1 c				0	0		**M. Larocque, Director.**
Perpignan, Observatory	30.19	766.8	30.30	769.6	60.4	15.8	69	se.	7.4	3.3			3		s.	0	0		**Dr. Fines, Director.**
Pic-du-Midi, Summit	21.34	541.9			31.6	— 0.2		sw.			1		0			0	0	clear	**M. Vaussenat, Director.**
Privas, Normal School	29.22	742.3	30.28	769.2	62.6	17.	47	calm			0		0			0	0	clear	**M. Talliéu.**
Puy de Dôme Obs'y, Summit	25 34	643.7			46.9	8.3	45	sw.			1		0			0	0		**M. Alluard.**
Rochefort, Naval Obs'y	30.18	766 5	30.21	767.3	68.5	20.3	46	s.			2		0			0	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.97	761.2	30.18	766.6	63.0	17.2	52	s.			1					0	0		**M. Brotlier, Director.**
Rodez, Normal School	28.10	713 7	30.25	768.4	58.8	14.9	60	nnw.			0–5		1		sse.	0	0	clear	**M. Seger, Director.**
Rouen, Normal School	30.09	764.2	30.13	765.4	67.3	19.6	55	sse.			1		0			0	0	clear	**M. Mouillot, Dir.**
Saint Maur, Observatory	30.03	762.8	30.20	767.0	64.6	18.1	48	s.			1		0			0	0		**M. Renou, Director.**
Toulouse, Observatory	29.53	750.0	30.26	768.5	64.4	18.0	50	sse.			4		0			0	0	clear	**M. Bailland, Director.**
Tours	30.01	762.2	30.19	766.9	64.4	18.0	53	se.			1		0			0	0	clear	**M. de Tastes.**
Versailles, Observatory	29.70	754.4	30.19	766.9	66.9	19.4	42	sw.			1		0			0	0	clear	**Dr. A. Berigny, Director.**
Sub-series.																			
St. Martin du Hinx	30.05	763.3	30.20	767.1	68.5	20.3	46	se.	7.8	3.5			0			0	0	misty	**M. Cartier, Director.**
GERMAN.																			
Ansbach	28.76	730.5	30.19	766.7	64.0	17.8	35	w.			2		2	w.		0	0		**Prof. Jnedt.**
Bamberg	29.34	745.2	30.19	766.8	58.1	14.5	48	calm			0		4 ks			0	0		**Prof. Dr. Hoh.**
Berlin	29.95	760.7	30.09	764.3	64.8	18.2	56	w.			1		2			0	0		**Meteorological Institute**
Breslau	29.59	751.6	30.12	765.1	60.1	15.6	39	nw.			2		0			0	0		**Royal University Obs'y**
Carlsruhe	29.75	755.7	30.21	767.3	64.0	17.8	46	sw.			1		1			0	0		**Albert Senz.**
Cassel	29.41	746.9	30.12	765.0	67.3	19.6	39	sw.			2		2	s.		0	0		**Dr. H. Möhl.**
Frankfort-on-the-Main	29.80	756.8	30.17	766.3	64.0	17.8	53	wsw.			1		0			0	0		**Physical Society.**
Friedrichshafen	28.82	731.9	30.25	768.3	52.5	11.4	72	sse.			2		1	sw.		0	0		**Wilhelm, Chief Tel.**
Hamburg	30.03	762.7	30.12	765 0	61.7	16.5	66	sw.			2		4	w.		0	0		**E. Preller.**
Kiel	30.06	763.4	30.07	763.8	56.3	13.5	71	wsw.			1		6			0	0		**Prof. Dr. G. Karsten.**
Leipsic, Astron'l Obs'y	29.72	754.8	30.13	765.3	65.8	18.8	39	sw.			2		5	w.		0	0		**H. Leppig, Asst.**
Magdeburg	29.92	759.9	30.11	764.7	68.9	20.5	35	w.			1		2	sw.		0	0		**Weather Observatory.**
Memel	30.05	763.2	30.10	764.4	43.7	6.5	90	n.			2		10 s	nw.					**Isermann.**
Munich	28.40	721.3	30.28	769.0	59.9	15.5	37	calm			0		4	nw.		0	0		**Central Station.**
Neufahrwasser	30.04	763.1	30.06	763.5	48.6	9.2	76	e.			2		8			0	0		**A. Lothes.**
Neustadt, Palatinate	29.64	752.8	30.17	766.2	66.4	19.1	39	w.			3		4	w.		0	0		**Prof. Dicknether.**
Stuttgart	29.25	743.0	30.13	765.4	63.5	17.5	46	n.			1		4	w.		0	0		**Prof. Dr. Schoder.**
Wustrow	30.04	762.9	30.06	763.5	47.3	8.5	84	wnw.			2		3 s			0	0		**Profs. Brandes & Reimer**
GREEK.																			
Athens	29.86	758.4	30.24	768.2	59.0	15.0		sw.			1.0	1	0			0	0		**Kokkides & Wourlisch.**
INDIAN.																			
Kurrachee	29.76	756 0	29.81	757.3	80.7	27.1	69	sw.	28.0	12.5			0			0	0	blue sky	
Deesa	29.33	745.0	29.79	756.7	94.0	34.4	21	w.	7.0	3.1			0			0	0	blue sky	
Bombay	29.81	757.2	29.85	758 1	80.4	26.9	66	nw.	16.0	7.2			0			0	0	blue sky	
Poona, Yarrowda	27.96	710.1	29.76	756.0	92.1	33.4	16	wnw.	18.0	8.0			0			0	0	blue sky	
Belgaum	27.30	693.4	29.79	756.6	86.0	30.0	33	wsw.	8.0	3.6			0			0	0	blue sky	
Lahore	29.09	738.9	29.83	757.8	81.0	27.2	29	ne.	4.0	1.8			0			0	0	blue sky	
Roorkee	28.90	734.1	29.80	756.8	81.7	27.6	18	calm	0	0			5	w.		0	0	d. clouds	
Agra	29.27	743.4	29.82	757.5	88.2	31.2	12	nw.	2.0	0.9			5		nw.	0	0	d. clouds	
Nagpur	28.76	730.6	29.78	756.4	91.3	32.9	10	calm	0	0			0			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
INDIAN.—Continued.																			
Bubbulpore	28.49	723 6	29.83	757.6	86.3	30.2	20	calm	0	0	.. ..	.....	1	.....	.....	0	0	blue sky.....	
Lucknow	29.44	747.9	29.82	757.4	86.1	30.1	19	w.	5.0	2.2	.....	.....	8	e.	.....	0	0	misty.....	
Allahabad	29.52	749.9	29.83	757.8	86.8	30.4	22	nne.	2.0	0.9	.....	.....	7	sw.	.....	0	0	d. clouds	
Patna	29.65	753.1	29.83	757.8	84.8	29.3	22	nw.	4.3	1.9	.....	.....	0	.....	.....	0	0	blue sky.....	
Hazaribagh	27.82	706.7	29.83	757.6	79.5	26.4	12	nw.	2.0	0.9	.....	.....	0	....	.....	0	0	blue sky.....	
Cuttack	29.75	755 7	29.84	757.8	85.0	29.4	64	se.	3.0	1.3	.....	.....	10	.....	.....	0.01	0.3	d. clouds....	
Calcutta, Alipore	29.79	756.6	29.81	757.2	87.2	30.7	44	s.	7.0	3.1	.....	.....	1	.....	.....	0	0	d. clouds	
Dhubri	29.72	754.8	29.83	757.7	82.6	28.1	38	calm	1.5	0.7	.....	.....	0	.....	.....	0	0	blue sky.....	
Chittagong	29.81	757.1	29.90	759.4	77.2	25.1	83	s.	4.7	2.1	.....	.....	1	.....	.....	0	0	d. clouds	
Sibsagar	29.62	752.4	29.97	761.2	69.4	20.8	77	ne.	2.0	0.9	.....	.....	0	.....	.....	0.04	1.0	blue sky.....	
Jeynore	28.39	721 0	29.81	757.1	89.2	31.8	23	nw.	2.1	1.0	.....	.....	0	.....	.....	0	0	blue sky.....	
Zanzibar	29.87	758.6	29.89	759.2	83.7	28.7	67	wsw.	6.0	2.7	.....	.....	2	.....	ese.	0	0	d. clouds....	
Bellary	28.30	718.8	.....	.....	97.0	36.1	14	s.	4	1.8	.....	0	.....	.....	.....	0	0	blue sky.....	
Trichinopoly	29.57	751.1	.....	.....	96.0	35.6	33	se.	0.3	0.1	.....	3	3	.....	.....	0	0	d. clouds.....	
ITALIAN.																			
Udine	29.86	758.4	30.27	768.9	59.7	15.4	22	s.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.74	755.4	30.26	768.6	62.6	17.0	48	ssw.	6.3	2.8	.....	.....	0	.....	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	30.15	765.9	30.26	768.7	53.8	12.1	66	se.	1.8	0.8	.....	.....	0	.....	....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.34	745.1	30.24	768.2	62.6	17.0	41	e.	3.8	1.7	... ...	.....	1	.....	.....	0	0	.....	Prof. F. F. Denza.
Genoa	30.14	765.5	30.33	770 4	58.1	14.5	72	se.	5.6	2.5	.....	.....	8	sw.	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	30.21	767.3	30.26	768.5	56.8	13.8	72	e.	6.9	3.1	.....	.....	0	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	30.05	763.2	30.30	769.7	58.5	14.7	60	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	30.19	766.8	30.28	769.0	59.5	15.3	69	sw.	1.3	0.6	.....	.....	3	.....	.....	0	0	.....	Prof. P. Monte.
Rome	30.14	765.6	30.32	770.0	62.4	16.9	45	nnw.	5.6	2.5	.....	.....	0	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	30.01	762 2	30.26	768.7	62.2	16.8	35	se.	5.6	2.5	.....	.....	0	.....	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	29.40	746.8	30.30	769.7	57.2	14.0	78	ssw.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. D. Conti.
Palermo	30.10	764.4	30.35	770.8	60.1	15.6	57	nw.	1.8	0.8	.....	.....	1	.....	.....	0	0	.....	Prof. G. Cacciatore
Syracuse	30.26	768.7	30.31	769.9	63.9	17.7	70	ssw.	16.1	7.2	.....	.....	3	sw.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.80	756.9	.....	.....	59.4	15.2	69	sw.	1.3	0.6	.....	.....	4	nw.	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.12	765.1	30.15	766.0	31.6	— 0.2	98	nw.	.....	.....	2	.....	10k;ks	.....	w.	0.012	0.3	cloudy.....	H. Hattori.
Awomori	30.04	763.0	30.08	764.0	23.0	— 5.0	88	w.	9.5	4.2	.....	0	1 ks	.....	....	0.120	3.0	clear.....	K. Ogawa.
Hakodate	30.09	764.3	30.10	764.6	26.0	— 3.3	61	n.	6.0	2.7	.....	0	0	.....	.....	0	0	clear.....	Y. Souma.
Hamamatsu	29.99	761.7	30.09	764.2	37.9	3.3	88	calm	.....	.....	0	0	3 s	.....	.....	0.008	0.2	fair.....	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.15	765.8	30.17	766.3	39.5	4.2	62	n.	9.9	4.5	.....	2 cs	0	w.	.....	0	0	clear.....	Y. Okamoto.
Kagoshima	30.03	762.7	30.04	763.0	51.9	11.1	81	calm	.....	.....	0	.....	10 s	.....	.....	0	0	overcast.....	
Kanazawa	30.11	764.8	30.22	767.5	35.4	1.9	77	n.	0.3	0.1	.....	.....	10ks;s	.....	.....	Inap.	Inap.	overcast.....	S. Endo.
Kioto	30.00	762 1	30.18	766.5	35.1	1.7	69	nnw.	1.8	0.8	.....	0	3 s	.....	.....	0	0	fair.....	M. Tojima.
Kochi	30.06	763.5	30.08	764.0	46.9	8.3	57	nnw.	7.2	3.2	... .	0	4 s	.....	.....	0	0	fair.....	K. Kusunose.
Kofu	30.05	763.2	30.07	763.9	49.6	9.8	71	nne.	.....	.....	2	.....	10 s	.....	w.	0.004	0.1	overcast.....	K. Masusaki&T. Ishitain.
Miyako	30.05	763.2	30.07	763.9	29.8	— 1.2	49	wsw.	5.7	2.5	.....	0	0	.....	.....	0	0	clear.....	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.86	758.4	30.07	763.8	44.6	7.0	70	ne.	5.7	2.5	.....	0	2 s	.....	.....	0	0	clear.....	
Nemuro	29.90	759 5	29.95	760.7	23.0	— 5.0	72	ne.	6.0	2.7	.....	0	1 s	.....	.....	0	0	covered	A Shibuya.
Niigata	30.17	766.3	30.21	767.3	31.8	1.6	67	nw.	2.2	1.0	.....	.....	10s;ks	.....	w.	0	0	clear	Satoo & Tomikawa.
Nobiru	30.12	765.1	30.14	765 5	30.0	— 1.1	75	w.	8.1	3.7	... .	0	0	.....	.....	0	0	clear	Yoshino & Midzushina.
Numadzu	30.07	763.8	30.10	764.6	41.9	5.5	79	e.	.....	.....	1	.....	10 ks	.....	.....	0	0	overcast.....	T. Ohgi.
Osaka	30.18	766.6	30.19	766.9	37.7	3.2	71	ne.	4.8	2.1	.....	0	3 s	.....	.....	0	0	clear.....	T. Omura.
Sakai	30.21	767.3	30.22	767.5	39.0	3.9	66	nne.	.....	.....	2	.....	10 ks	.....	ne.	0	0	cloudy.....	Yamawchi & Sakamoto.
Sapporo	30.01	762.3	30.08	764.1	27.3	— 2.6	92	n.	18.9	8.4	.....	.....	10 n	.....	.....	0.098	2.5	snowing.....	S. Kimura.
Shimonoseki	29.99	761.7	30.14	765.6	41.1	5.1	69	ne.	.....	.....	1	.....	9 s	.....	.....	0	0	cloudy.....	S. Sakano.
Tokei Obs'y, Yeddo	30.07	763.8	30.15	765.8	36.2	4.0	56	nnw.	5.8	2.6	.....	6 cs	1 s	w.	.....	0	0	fair.....	The Staff.
Wakayama	30.11	764.8	30.17	766.2	38.1	3.4	61	ne.	7.9	3.5	.....	0	0	.....	.....	0	0	clear.....	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.77	756.1	29.96	761.0	81.6	27.6	72	nw.	8.5	3.8	.....	1cs;c	3k;n	.....	nw.	0.14	3.6	fair.....	The Staff.
MEXICAN.																			
Leon	24.27	616.4	30.01	762.2	52.3	11.3	77	nnw.	0.9	0.4	.....	7 ck	2 n	sw.	.....	Inap.	Inap.	cloudy.....	M. Leal & M. Pina
Mazatlan	29.08	753.9	29.94	760.6	64.5	18.1	68	nnw.	1.6	0.8	.....	0	0	.....	.....	0	0	hazy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.13	765.2	30.13	765.2	61.7	16.5	.....	sw.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Groningen	30.02	762.6	30.08	764.0	58.6	14.8	.....	wsw.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	30.06	763 6	30.06	763.6	57.1	10.6	.....	ssw.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	30.12	765.1	30.12	765.1	61.6	16.1	63	wsw.	.....	.....	3	.....	.....	.....	.....	0	0	lightly cl'dy	H. van der Brink.
Utrecht	30.08	764.0	30.13	765.2	64.0	17.8	56	sw.	.....	.....	3	.....	2	.....	.....	0	0	.....	
Sub-series.																			
Batavia, Java	29.89	759.2	.....	.....	74.1	23.4	95	s.	0	0	.....	.....	10	.....	.....	0	0	.....	Lt. J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.75	755.7	29.82	757.3	46.8	8.2	89	s.	20	9	.....	.....	9	....	.....	0.394	10.0	raining.....	
Brono	29.66	751.8	29.64	752.8	55.0	12.8	49	ese.	.....	.....	2	.....	2	.....	.....	0	0	foggy.....	
Christiania	29.80	756.9	29.95	760.8	33.6	0.9	94	w.	4	2	.....	.....	10	.....	.....	0	0	.....	
Gjesvær	29.66	753.3	29.68	753.9	38.8	3.8	.....	ese.	.....	.....	4	.....	2	.....	.....	0	0	.....	
Lodingen	29.68	753.8	29.72	755.0	43.3	6.3	65	calm	.....	.....	0	.....	3	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A.M.R. dos Santos.
Funchal, Madeira	30.00	762.0	30.09	764.2	60.8	16.0	59	sw.	2.5	1.1	.....	.....	5	.....	.....	0.063	1.6	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.70	754.4	30.03	762.8	61.9	16.6	65	nne.	16.8	7.5	.....	.....	1	.....	.....	0.016	0.4	.....	The Staff.
Ponta Delgada, Azores	30.17	766.2	30.24	768.0	63.3	17.4	76	sw.	7.4	3.3	.....	.....	4	.....	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.00	761.9	30.03	762.8	69.3	20.7	69	ene.	.....	.....	4	.....	8	.....	.....	0	0	.....	
San Salvador, Congo	28 03	712 0	29.85	758.3	79.9	26.6	73	w.	.....	.....	4	.....	6	.....	.....	0.756	19.2	.....	
Serra da Estrella	25.32	643.0	30.11	764.7	43.5	6.4	89	ese.	15.0	6.7	.....	.....	10	....	.....	0.039	1.0	foggy.....	
RUSSIAN.																			
Akmolinski	28.89	733.9	30.06	763.4	15.3	— 9.3	94	se.	7	3	.....	0	7 k	.....	.....	0.004	0.1	light clouds	Major K. Lasarew.
Archangel	29.88	759.0	29.99	759.5	25.5	— 3.6	85	nne.	4	2	.....	.....	10	.....	.....	0	0	.....	Capt. Sselliwerstow.
Ashuradа	30.08	763.9	29.98	761.5	47.7	8.7	78	n.	18	8	.....	.....	10 k	.....	.....	0.248	6.3	light haze....	
Astrakhan	30.09	764.3	30.01	762.3	39.7	4.3	27	ssw.	13	6	.....	0	1	.....	.....	0	0	.....	Capt. Wisganow.
Baku	30.10	764.5	30.05	763.3	42.1	5.6	65	calm	0	0	.....	0	8 k	....	.....	0	0	.....	
Barnaul	29.68	753.9	30.22	767.7	15.1	— 9.4	53	calm	0	0	.....	.....	0	.....	.....	0.608	0.2	.....	Meteorological Office.
Bielosersk	29.29	743.9	29.77	756 2	31.3	— 0.4	92	n.	13	6	.....	.....	10 s	.....	.....	0	0	.....	
Dorpat	29.70	755.9	30.01	762.3	38.8	3.8	72	nnw.	9	4	.....	0	0	.....	.....	0	0	.....	Observatory.
Ekaterinburg	28.88	733.5	29.87	758.8	30.9	— 0.6	37	s.	9	4	.....	1 cs	0	.....	.....	Inap.	Inap.	.....	Meteorological Obs'y
Elisawetgrad	29.35	745.5	29.81	757.2	40.1	4.5	82	wnw.	13	6	.....	.....	10 s;n	.....	.....	0.020	0.5	.....	Observatory.
Kasan	29.35	745.4	29.63	752.6	22.5	— 5.3	85	s.	11	5	.....	.....	10	.....	.....	blank	blank	h'vy clouds	
Kem	29.04	752.8	29.69	754.1	27.3	— 2.6	79	ne.	13	6	.....	.....	10	.....	.....	0.244	6.2	.....	Lagorio & Sastyrea.
Kerlen	29.89	759.2	29.91	759.8	45.1	7.3	53	s.	7	3	.....	6 cs	0	.....	.....	0	0	.....	Observatory.
Kieff	29.13	739.9	29.78	756 4	39.0	3.9	75	nnw.	9	4	.....	.....	10 n	.....	.....	0.075	1.9	light snow..	
Koslov	28.99	736 3	29.50	749.3	35.1	1.7	88	nnw.	7	3	.....	.....	10 s	.....	.....	0.193	4.9	.....	R.I.Ssaweljew, Ed tin'l
Lgov	29.07	738 4	29.67	753 6	35.6	2.0	87	nw.	16	8	.....	.....	10	.....	.....	0	0	.....	[illegible] quans.
Libau	30.04	763.1	30.07	763.7	42.0	5.9	81	calm	0	0	.....	.....	10	.....	.....	0.028	0.7	.....	Meteorological Obs'y
Lugan	29.42	747.2	29.63	752.5	36.5	2.5	60	sw.	34	15	.....	.....	10	.....	.....	0.039	1.0	.....	Meteorological Obs'y
Moscow	29.11	739.3	29.66	751.7	36.0	2.2	84	n.	4	2	.....	.....	9 ks	.....	.....	0	0	light clouds	
Nertschinsk	27.73	704.3	30.20	767.0	12.2	—11.0	64	calm	0	0	.....	.....	5	.....	.....	0	0	.....	Capt. Kurdakow.
Nikolaiev	29.78	756.3	29.85	758.1	49.6	9.8	56	wsw.	13	6	.....	cs	6 n	.....	.....				

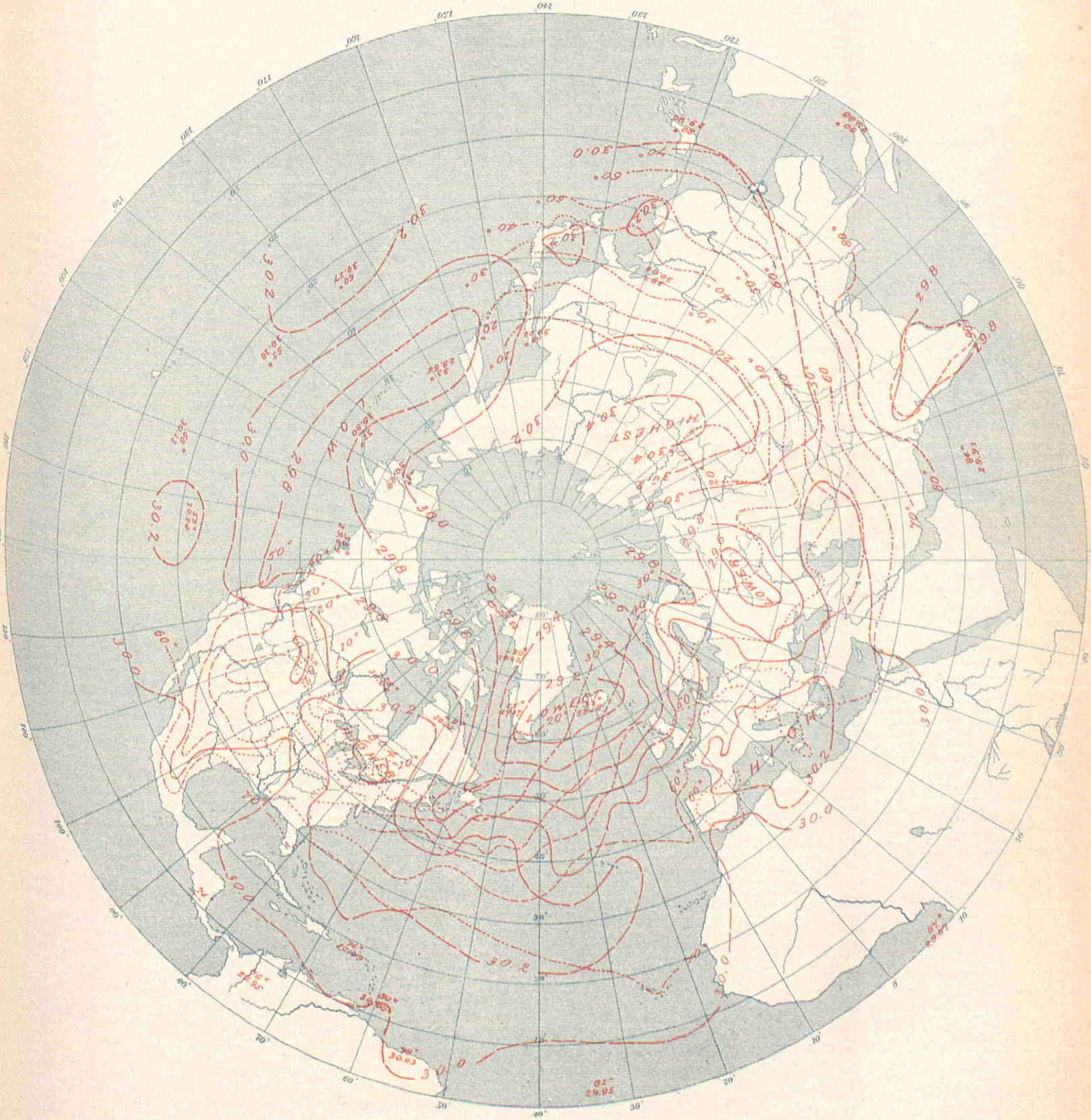
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.02	762.5	30.11	764.7	3.2	—16.0	72	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.91	759.8	30.06	763.4	38.3	3.5	63	calm	0	0	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.73	755.2	30.10	764.5	38.8	3.8	60	n.	2	1	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.70	754.3	29.90	759.5	34.3	1.3	72	une.	16	7	.....	.....	10	.....	.....	0	0	light clouds	Dr. Bergmann.
Pinsk	29.44	747.8	29.95	760.6	44.6	7.0	70	n.	18	8	.....	.....	10 k	.....	.....	0	0	.....	.....
Poti	29.98	761 5	30.01	762.3	44.4	6.9	91	sw.	9	4	.....	.....	10 n	.....	.....	0	0	.....	.....
St. Petersburg	29.92	759.9	29.94	760.5	37.9	3.3	56	n.	9	4	.....	.....	10 n	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.37	695 2	29.84	758.0	49.8	9.9	82	se.	13	6	.....	.....	9 "	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.51	749.6	30.24	768.2	3.4	—15.9	85	calm	0	0	.....	.....	10	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.78	756.5	30.00	762.1	46.7	6.5	53	w.	27	12	.....	0	7 s	.....	.....	0.154	3.9	.....	.....
Staroi Bykhov	29.26	743.1	29.83	757.6	36.9	2.7	70	n.	16	7	.....	.....	9	.....	.....	0.008	0.2	.....	Carl Hagen.
Tashkend, Laboratory	28.27	718.0	29.95	760.6	50.9	10.5	59	calm	0	0	.....	.....	10 k	.....	.....	.....	.....	.....	Terch, A. S.
Tiflis	28.58	725.9	30.04	762.9	41.4	5.2	59	e.	7	3	.....	.....	10	.....	.....	0.016	0.4	.....	Physical Observatory
Vernoe	27.47	697.7	30.06	763.5	35.1	1.7	74	calm	0	0	.....	0	3 k	.....	.....	.....	.....	.....	Lariono.
Viatka	28.90	734.0	29.55	750.5	27.0	— 2.8	84	s.	4	2	.....	.....	10	.....	.....	0.138	3.5	.....	.....
Vladivostock	30.11	764.8	30.18	766.5	22.1	— 5.5	53	ne.	22	10	.....	.....	0	.....	.....	0	0	.....	.....
Warsaw	29.61	752 1	30.03	762 8	55.2	12.9	63	nnw.	7	3	.....	5 cs	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.22	767.7	30.54	775.8	7.5	—13.6	53	calm	0	0	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	28.98	736.1	29.51	749.5	35.2	1.8	84	wnw.	16.1	7.2	.....	.....	10	.....	nw.	inap.	inap.	cloudy	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	30.13	765.4	30.24	768.2	59.7	15.4	77	ne.	.....	.....	.....	0	1	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	30.12	765.1	30.18	766.6	73.4	23.0	42	s.	6.0	2.7	.....	0	0	.....	.....	0	0	clear	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27 21	691.2	30.21	767.2	53.6	12.0	64	e.	8.1	3.6	.....	.....	9	.....	.....	0	0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.88	708.1	30.12	765.0	56.5	13.6	62	ne.	13.2	5.9	.....	.....	10	.....	.....	0	0	covered	The Staff.
Murcia, Met. Obs'y	29.95	760.8	30.09	764.2	60.4	15.8	75	ene.	14.8	6.6	.....	4	6	wnw.	.....	0.047	1.2	raining	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.14	741 4	30.06	763.5	70.2	21.2	42	calm	0	0	.....	.....	2	.....	.....	0	0	light clouds	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.03	762.7	30.10	764.4	71.0	21.7	79	ese.	6.3	2.8	.....	0	8	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.90	759.5	29.96	760 9	79.5	26.4	77	ese.	8.8	3.9	.....	0	4 kn	.....	.....	0	0	fair	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.87	758.7	29.97	761.2	58.5	14.7	89	se.	3.3	1.5	.....	.....	10	.....	ne.	0.205	5.2	raining	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	30.00	762.0	30.09	764.3	73.8	23.2	73	se.	7.4	3.3	.....	4 cs	4 k	se.	se.	0	0	d. clouds	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.03	762.7	30.07	763.7	33.8	1.0	87	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Umea	30.00	762.1	30.06	763.4	41.0	5.0	72	nw.	.....	.....	2	.....	0	.....	.....	0.102	2.6	.....	.....
Hernosand	29.95	760.7	30.00	762.0	40.3	4.6	84	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....
Stockholm	29.85	758.2	30.03	762.7	48.6	9.2	71	sse.	.....	.....	2	.....	7	.....	.....	0	0	.....	.....
Wisby	29.98	761.5	30.04	763.0	46.0	7.8	81	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....
Sub-series.																			
Upsala	29.92	759 9	30.00	762.1	50.9	10.5	70	ne.	1.6	0.7	.....	.....	0	.....	.....	0.063	1.6	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.84	732.4	30.26	768.5	56.1	13.4	56	n	.....	.....	1	.....	1	.....	.....	0	0	clear	.....
TURKISH.																			
Constantinople	.....	.....	30.19	766.8	45.1	7.3	66	sw.	9	4.0	.....	.....	3	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	30.34?	770.5?	62.1	16.7	.....	nw.	.....	.....	2	.....	2	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.98	761.4	59.5	15.3	63	sw.	.....	.....	2	.....	2 k;n	.....	nw.	1.12	28.4	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	30.25	768 3	30.34	770.6	35	1.7	53	nw.	6	2.7	.....	0	0	.....	.....	0.02	0.5	clear	J. O. Barnes.
Alpena, Michigan	29.68	753.9	30.38	771.6	13.8	—10.1	80	nw.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.01	635.2	30.03	762.7	30.8	— 0.7	85	e.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assiniaboine, Ft., Montana	27.20	690.9	30.22	767.6	24.4	— 4.2	100	calm	0	0	.....	8 ck	0	w.	.....	0	0	cloudy	J.J.O'Connor.
Atlanta, Georgia	28.92	734 6	30.13	765.3	56.3	13.5	95	se.	12	5.4	.....	.....	10 n	.....	se.	0.03	0.8	heavy rain	S. W. Beall
Atlantic City, New Jersey	30.28	769.1	30.28	769.1	39.4	4.1	65	ne.	12	5.4	.....	10 cs	0	n.	.....	0	0	cloudy	B.A.Blundon.
Augusta, Georgia	30.03	762 7	30.23	767.8	58	14.4	86	se.	4	1.8	.....	0	8 k	.....	s.	0	0	cloudy	W.J.Evans.
Baltimore, Maryland	30.26	768 6	30.31	769 9	53.1	11.7	64	n.	2	0.9	.....	.....	10 s	.....	nw.	inap.	inap.	cloudy	Geo. W. Feiger.
Barnegat City, New Jersey	30.28	769.1	30.30	769 6	38.0	3 3	88	n.	16	7.2	.....	1 cs	3 s	w.	.....	inap.	inap.	fair	J.P.Sherry.
Bennett, Fort, Dakota	28.40	722.9	30.16	766.1	27.0	— 2.8	77	calm	0	0	.....	0	0	.....	.....	0	0	clear	A. Pritchard.
Benton, Fort, Montana	27.24	691.9	30.22	767.6	30.5	— 0.8	72	calm	0	0	.....	0	6 ks	nw.	0	0	0	fair	O.S.Bennett.
Bismarck, Dakota	28.19	716.0	30.11	764.8	16.8	— 8.4	87	ne.	2	0.9	.....	0	2 s	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	30.22	767.6	30.25	768.3	34.5	1.4	89	nw.	13	5.8	.....	0	0	.....	.....	0.01	0.3	clear	J. T. Elker.
Boise City, Idaho	27.17	690.1	30.09	764.3	42.4	5.8	75	s.	10	4.5	.....	4 ck	0	sw.	.....	0.05	1.3	fair	James Kenealy.
Boston, Massachusetts	30.08	764.0	30.24	768.1	33.0	0.6	60	nw.	20	8.9	.....	0	2 k	.....	nw.	inap.	inap.	clear	O. B. Cole.
Brownsville, Texas	29.81	757.2	29.87	758.7	64.8	18.2	93	n.	8	3.6	.....	.....	10 s	.....	n.	inap.	inap.	cloudy	John McGlone.
Buffalo, New York	29.60	751.8	30.39	771 9	27.3	— 2.6	84	ne.	2	0.9	.....	0	0	.....	.....	0.12	3.0	clear	D.Cuthbertson.
Buford, Fort, Dakota	27.97	710.4	30.13	765.3	21	— 6.1	87	w.	8	3.6	.....	8 ck	0	w.	.....	0	0	cloudy	A. Schneider.
Canby, Fort, Washington Ter	29.69	754.1	29.89	759.2	45.8	7.7	89	sw.	11	4.9	.....	.....	10 s	.....	.....	0.26	6.6	cloudy	W. H. Ray.
Cape Henry, Virginia	30.26	768.6	30.28	769.1	53.0	11.7	80	w.	3	1.3	.....	0	8 s	.....	.....	0.04	1.0	cloudy	J.H.Young.
Cape May, New Jersey	30.30	769.6	30.34	770 6	43.0	6.1	74	ne.	13	5.8	.....	.....	4 s	.....	.....	0	0	fair	A. K. Alderson.
Cape Mendocino, California	29.24	742.7	29.93	760.2	48.8	9.3	77	se.	34	15.2	.....	.....	10 s	.....	ne.	0	0	cloudy	W.E.Smith.
Cedar Keys, Florida	30.12	765 c	30.14	765.5	67.0	19.4	92	e.	18	8.0	.....	4 c;ck	4 k	sw.	se.	0	0	threatening	A. P. Leavitt.
Charleston, S. Carolina	30.18	766.6	30.24	768.1	57.0	13.9	87	e.	4	1.8	.....	0	0	.....	se; s.	0	0	cloudy	G. W. Davis.
Charlotte, N. Carolina	29.38	746 2	30.26	768.6	53.2	11.8	85	s.	3	1.3	.....	10 cs	fg.	.....	.....	0	0	clear	J. H. Smith.
Chattanooga, Tennessee	29.28	743 7	30.12	765.0	52.0	11.1	93	ne.	9	4.0	.....	.....	10 n	.....	s.	0.25	6.3	cloudy	D. O'Donoghue.
Cheyenne, Wyoming	23.97	608.8	30.17	766 3	27.1	— 2.7	51	nw.	10	4.5	.....	0	0	.....	.....	0	0	light rain	B. L. Goulding.
Chicago, Illinois	29.46	748.3	30.20	767.1	36.3	2.4	74	ne.	7	3.1	.....	.....	10 s	.....	.....	inap.	inap.	clear	E. McGovern.
Chincoteague, Virginia	30.26	768.6	30.28	769.1	49.0	9.4	86	w.	1	0.4	.....	.....	10 ks;hz	.....	nw.	0	0	cloudy	Wm. Norrington.
Cincinnati, Ohio	29.49	749.0	30.18	766.6	51.9	11.1	86	e.	4	1.8	.....	.....	10 n	.....	e.	0.05	1.3	cloudy	C. F. Dickens.
Cleveland, Ohio	29.54	750.3	30.32	770.1	32.0	0.0	68	e.	5	2.2	.....	4 c	sk.	nw.	e.	0.04	1.0	light rain	L. Dunne.
Columbus, Ohio	29.33	745.0	30.22	767.6	46.2	7.9	91	ne.	8	3.6	.....	.....	10 n	.....	.....	0.32	8.1	fair	W. Line.
Concho, Fort, Texas	28.13	714.5	30.10	764.5	40.7	4.8	82	w.	2	0.9	.....	0	0	.....	.....	0	0	light rain	F.T. Williams
Custer, Fort, Montana	26.86	682.2	30.19	766.8	25	— 3.9	88	se.	3	1.3	.....	1 ck	2 s	.....	.....	0	0	clear	O. E. King.
Davenport, Iowa	29.44	747.8	30.13	765.3	37.1	2.8	79	e.	10	4.5	.....	.....	10 n	.....	e.	0.08	2.0	clear	W.J.Daily.
Davis, Fort, Texas	25.19	639.8	30.06	763.5	40.1	4.5	91	calm	0	0	.....	.....	10 ks	.....	se.	0.01	0.3	light rain	R. R. Martin.
Dayton, Washington Ter'y	28.20	716.3	30.02	762.5	37.4	3.0	81	ne.	6	2.7	.....	0	5 s	.....	.....	0.01	0.3	cloudy	J. Williams.
Deadwood, Dakota	25.36	644.1	30.20	767.1	28.5	— 1.9	80	e.	3	1.3	.....	0	0	.....	.....	0.01	0.3	fair	T. Gibson.
Delaware Breakwater, Del.	30.27	768.8	30.29	769.4	42.0	5.6	78	ne.	19	8.5	.....	0	9 s	.....	.....	0	0	clear	G.W.Scott.
Denver, Colorado	24.72	627.9	30.16	766.1	32.6	0.3	77	s.	2	0.9	.....	0	0	.....	.....	0	0	cloudy	G.A.Martin.
Des Moines, Iowa	29.16	740.7	30.12	765.0	36	2.2	89	e.	7	3.1	.....	.....	10 n	.....	e.	inap.	inap.	clear	E. M. Neal.
Detroit, Michigan	29.61	752.1	30.36	771.1	31.0	— 0.6	68	se.	8	3.6	.....	3 c	0	e.	.....	0.19	4.8	light rain	F. W. Conrad.
Dodge City, Kansas	27.46	697 5	30.19	766.8	28.6	— 1.9	64	nw.	4	1.8	.....	0	0	.....	.....	0.12	3.0	clear	N.B.Conger.
Dubuque, Iowa	29.46	748.3	30.21	767.3	35	1.7	77	ne.	5	2.2	.....	.....	10 s	.....	.....	0.07	1.8	clear	J.E.Lanouette.
Duluth, Minnesota	29.50	749.3	30.29	769.4	20.4	— 6.4	57	calm	0	0	.....	0	0	.....	.....	0.01	0.3	cloudy	J. Harvey Smith
Eastport, Maine	29.94	760.5	30.01	762.2	27.0	— 2.8	70	nw.	20	8.9	.....	2 k	1 s	nw.	nw.	0	0	clear	E.R.Brace.
Elliott, Fort, Texas	27.28	692 9	30.11	764.8	28	— 2.2	88	nw.	7	3.1	.....	0	0	.....	.....	0.04	1.0	clear	D. C. Murphy.
El Paso, Texas	26.26	667.0	30.06	763.5	38.2	3.4	71	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
Erie, Pennsylvania	29.60	751.8	30.37	771.4	29.5	— 1.4	80	ne.	3	1.3	.....	2 c	0	.....	.....	0	0	clear	F. Belford.
Escanaba, Michigan	29.65	753.1	30.36	771.1	3.3	—15.9	70	n.	5	2.2	.....	0	0	.....	.....	0.03	0.8	clear	F. Wood.
Fort Smith, Arkansas	29.50	749 3	29.99	761.7	49.0	9.4	86	w.	6	2.7	.....	.....	10 s	.....	.....	0	0	clear	L.M.Pindell.
Galveston, Texas	29.83	757 7	29.87	758.7	59.7	15.4	100	ne.	17	7.6	.....	.....	10 n	.....	ne.	2.81	71.4	cloudy	J. B. Campbell.
Grand Haven, Michigan	29.59	751.6	30.29	769.4	30.3	— 0.9	71	ne.	14	6.3	.....	3 ck	0	sw.	.....	0	0	heavy rain	E. O'C. Macinerney
Grant, Fort, Arizona	25.23	640.8	30.06	762.5	39	3.9	71	e.	4	1.8	.....	0	0	.....	.....	0	0	clear	Joseph E. Mueller.
Hatteras, North Carolina	30.27	768.8	30.28	769.1	55.2	12.9	93	sw.	2	0.9	.....	3 c	0	.....	.....	0	0	clear	Chas. A. Read.
																			R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.84	656.3	30.16	766.1	34	1.1	65	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear.	S. W. Morrison.
Huron, Dakota	28.73	729.7	30.21	767.3	22.5	— 5.3	84	ne.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear.	S. W. Glenn.
Indianapolis, Indiana	29.30	744.2	30.14	765.5	48.0	8.9	86	e	4	1.8	.....	.....	10 s	.....	e.	0.08	2.0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.83	757.7	29.86	758.4	61.2	16.2	94	n	18	8.0	.....	.....	10 s	.....	n.	1.49	37.8	cloudy	I. A. Reed.
Jacksonville Florida	30.13	765.3	30.18	766.6	65.9	18.8	92	se.	6	2.7	.....	4 cs	fg.	sw.	.....	inap.	inap.	fair	J. W. Smith.
Keokuk, Iowa	29.39	746.5	30.08	764.0	35.2	1.8	96	ne.	5	2.2	.....	.....	10 n	.....	ne.	0.07	1.8	light rain	F. Z. Gosewisch.
Key West, Florida	30.08	764.0	30.10	764.5	74.2	23.4	75	e.	11	4.9	.....	0	1 k	.....	e.	0.02	0.5	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.25	768.3	30.27	768.8	51.9	11.1	92	sw.	7	3.1	.....	1 k	0	sw.	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.12	739.6	30.18	766.6	49.2	9.6	79	ne.	3	1.3	.....	.....	10 n	.....	sw.	inap.	inap.	light rain	J. A. Cody.
La Crosse, Wisconsin	29.41	747.0	30.23	767.8	28	— 2.2	77	n.	8	3.6	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	S. C. Emery.
Leavenworth, Kansas	29.06	738.1	30.00	762.0	51	10.6	86	calm	0	0	.....	.....	ron; fg	.....	.....	0.19	4.8	light rain	C. Dill.
Lewiston, Idaho	29.15	740.4	30.01	762.2	38.0	3.3	82	calm	0	0	.....	0	0	.....	.....	0.04	1.0	clear	C. E. Butler.
Little Rock, Arkansas	29.62	752.3	29.95	760.7	56.5	13.6	86	calm	0	0	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	W. U. Simons.
Los Angeles, California	29.73	755.1	30.13	765.3	55.0	12.8	93	w.	3	1.3	.....	.....	10 s	.....	w.	inap.	inap.	cloudy	T. S. Collins
Louisville, Kentucky	29.51	749.5	30.10	764.5	52.8	11.6	78	e.	4	1.8	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.55	750.6	30.27	768.8	52.0	11.1	76	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.70	754.4	30.40	772.1	11.5	—11.4	70	w.	2	0.9	.....	2 c	0	.....	.....	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	30.32	770.1	30.33	770.4	58.0	14.4	93	nw.	4	1.8	.....	0	8 k	.....	sw.	0.02	0.5	cloudy	William Daly.
Maginnis, Fort, Montana	25.58	649.7	30.18	766.6	32.8	0.4	36	se.	3	1.3	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.59	751.6	30.36	771.1	17.2	— 8.2	64	s.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. Gilligan.
Memphis, Tennessee	29.60	751.8	29.95	760.7	58 0	14.4	96	ne.	4	1.8	.....	.....	10 s	.....	.....	0.17	4.3	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.50	749 3	30.29	769.4	31.8	— 0.1	85	e.	7	3.1	.....	.....	10 s	.....	e.	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	29.96	761 0	30.00	762.0	61	16.1	93	e.	5	2.2	.....	.....	10 n	.....	se.	1.71	43.4	thund'r st'm	H. U. Jones.
Montgomery, Alabama	29.76	755.9	30.00	762.0	60.1	15.6	87	s.	6	2.7	.....	.....	10 n	.....	s.	0.51	13.0	heavy rain	S. M. Leitzell.
Moorhead, Minnesota	29.14	740.1	30.22	767.6	1	—17.2	72	s.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	H. Bessant.
Mt. Washington, N. H.	23.46	595.9	29.98	761.5	2.0	—16.7	82	nw.	64	28.6	.....	.....	fg.	.....	nw.	0.15	3.8	dense fog	J. H. Melton.
Nashville, Tennessee	29.46	748.3	30.06	763.5	56.0	13.3	89	se.	12	5.4	.....	.....	10 n	.....	s.	inap.	inap.	light rain	L. N. Jesunofsky.
New Haven, Connecticut	30.14	765.5	30.26	768.6	34.9	1.6	53	nw.	13	5.8	.....	0	0	.....	.....	inap.	inap.	clear	J. H. Sherman.
New London, Connecticut	30.21	767.3	30.26	768.6	37.5	3.1	61	nw.	6	2.7	.....	2 c	0	.....	.....	0.01	0.3	clear	J. G. Lynch.
New Orleans, Louisiana	29.84	757.9	29.90	759.4	62.5	16.9	93	n.	12	5.4	.....	.....	10 n	.....	n.	2.49	63.2	thund'r st'm	M. Herman.
New York, New York	30.13	765.3	30.31	769.9	37.4	3.0	55	nw.	3	1.3	.....	0	5 s	.....	nw.	inap.	inap.	fair	W. Finn.
Norfolk, Virginia	30.21	767.3	30.24	768.1	56.1	13.4	77	calm	0	0	.....	6 k	0	w.	.....	0	0	fair	Wm. Davis.
North Platte, Nebraska	27.10	688.3	30.16	766.1	24.6	— 4.1	78	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	E. F. Brady.
Olympia, Washington Ter	29.92	760.0	29.96	761.0	38.6	3.7	76	calm	0	0	.....	4 cs	0	.....	.....	0	0	fair	J. Dascom.
Omaha, Nebraska	28.88	733.5	30.13	765.3	35.0	1.7	95	n.	8	3.6	.....	.....	ron; fg	.....	.....	0.29	7.4	light rain	A. Pollak
Oswego, New York	30.05	763.3	30.39	771.9	30.5	— 0.8	68	e.	8	3.6	.....	6 ck	0	w.	.....	0.14	3.6	fair	J. G. Linsley.
Palestine, Texas	29.38	746.2	29.95	760.7	54.0	12.2	100	n.	8	3.6	.....	.....	ios; fg	.....	.....	2.18	55.4	cloudy	P. T. Jenkins.
Pensacola, Florida	29.98	761.5	30.01	762.2	65.7	18.7	95	se.	13	5.8	.....	.....	10 s	.....	se.	0	0	cloudy	M. McGauran.
Philadelphia, Pa	30.23	767.8	30.33	770.4	39.0	3.9	73	ne.	11	4.9	.....	10 cs	0	w.	.....	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.65	448.3	30.24	768.1	4.0	—15.6	83	w.	8	3.6	.....	2 k	0	w.	.....	0.02	0.5	clear	H. Hall.
Pittsburg, Pennsylvania	29.46	748.3	30.31	769.9	38.0	3.3	77	ne.	5	2.2	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	15.4	— 9.2	.....	.....	.....	.....	.....	3 ck	0	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.61	752 1	30.33	770.4	25.8	— 3.4	88	ne.	4	1.8	.....	0	0	.....	.....	0.02	0.5	clear	M. H. Perry
Portland, Maine	30.13	765 3	30.18	766.6	33.6	0.9	52	n.	16	7.2	.....	0	2 k	.....	nw.	0.03	0.8	clear	W. W. Eichelberger.
Portland, Oregon	29.82	757.4	29.89	759.2	42.4	5.8	88	s.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	M. L. Hearn.
Prescott, Arizona	24.79	629 7	30.13	765.3	32.0	0.0	88	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	N. D. Lane.
Provincetown, Mass	30.17	766.3	30.20	767.1	34.5	1.4	57	nw.	20	8.9	.....	0	0	.....	.....	0.03	0.8	clear	O. N. Kitchel.
Red Bluff, California	29.63	752.6	30 00	762.0	51.5	10.8	85	s.	12	5.4	.....	.....	10 ks	.....	s.	0	0	cloudy	J. R. Williams
Rio Grande City, Texas	29.72	754.9	29.96	761.0	64.9	18.3	92	n	5	2.2	.....	0	9 ks	.....	nw.	0.15	3.8	cloudy	L. G. Schultz.
Rochester, N. Y.	29.70	754.4	30.40	772.1	29	— 1.7	77	nw.	4	1.8	.....	hz.	sk.	.....	.....	0.07	1.8	clear	E. W. McGann.
Roseburg, Oregon	29.37	746.0	29.93	760.2	45.6	7.6	86	sw.	1	0.4	.....	9 c	0	w.	.....	0	0	cloudy	J. J. Nanry.
Sacramento, California	29.98	761.5	30.05	763.3	51.5	10.8	86	sw.	14	6.3	.....	.....	10 s	.....	s.	0	0	cloudy	J. A. Barwick.
St. Louis, Missouri	29.41	747.0	30.06	763.5	50.0	10.0	100	e.	7	3.1	.....	.....	10 n	.....	e.	0.59	15.0	light rain	J. H. Weber.
St. Michael, Fort, Alaska	29.96	761.0	30.00	762.0	— 2.8	—19.3	85	n.	23	10.3	.....	0	0	.....	.....	0.01	0.3	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.31	745.2	30.25	768.3	21.8	— 5.7	75	nw.	2	0.9	.....	4 cs	0	se.	.....	0	0	fair	P. F. Lyons.
St. Vincent, Minnesota	29.17	740.9	30.11	764.8	11.5	—11.4	89	s.	14	6.3	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.68	652.3	30.20	767.1	36.2	2.3	59	se.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. Craig.
San Diego, California	30.04	763.0	30.11	764.8	57.2	14.0	80	w.	1	0.4	.....	.....	10 s	.....	nw.	0.01	0.3	cloudy	F. R. Day.
Sandusky, Ohio	29.60	751.8	30.32	770.1	34	1.1	78	e.	15	6.7	.....	5 cs	0	e.	.....	0.01	0.3	fair	B. F. Hough.
Sandy Hook, New Jersey	30.28	769.1	30.31	769.9	36.0	2.2	69	n.	20	8.9	.....	5 cs	0	nw.	.....	0	0	fair	V. P. Chappel.
Sanford, Florida	30.12	765.0	30.17	766.3	68.1	20.1	84	se.	4	1.8	.....	0	4 k	.....	se.	0	0	fair	J. B. Marbury
San Francisco, California	30.00	762.0	30.06	763.5	53.6	11.9	91	s.	5	2.2	.....	.....	10 s	.....	sw.	0.01	0.3	cloudy	N. Gorom.
Savannah, Georgia	30.11	764.8	30.20	767.1	58.5	14.7	87	se.	4	1.8	.....	3 ck	3 ks	se.	se.	0	0	fair	H. W. Ford.
Shaw, Fort, Montana	26.42	671.1	30.22	767.6	29.5	— 1.4	80	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.70	754.4	29.87	758.7	58.3	14.6	92	ne.	3	1.3	.....	.....	10 s	.....	ne.	1.87	47.5	cloudy	E. N. Meekins.
Sitka, Alaska	29.62	752.3	29.69	754.1	32.8	0.4	73	e.	2	0.9	.....	0	4 ks	.....	e.	0.37	9.4	fair	F. W. Pickett.
Smithville North Carolina	30.21	768.1	30.28	769.1	58.8	14.9	90	sw.	1	0.4	.....	2 c	7 ks	.....	sw.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.94	709.7	30.07	763.8	30.2	— 1.0	85	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.38	746.2	30.10	764.5	43.0	6.1	93	ne.	7	3.1	.....	.....	fg.	.....	.....	0.13	3.3	dense fog	T. B. Jennings.
Stockton, Fort, Texas	26.98	685.3	30.06	763.5	47.0	8.3	71	calm	0	0	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.73	755.1	29.83	757.7	45.0	7.2	88	e.	22	9.8	.....	.....	10 s	.....	e.	0.03	0.8	cloudy	R. Connor.
Thomas, Camp, Arizona	27.20	692.4	30.04	763.0	38	3.3	77	w.	.....	.....	1	0	fg.	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.57	751.1	30.30	769.6	32	0.0	78	ne.	6	2.7	.....	.....	10 s	.....	sw.	0.01	0.3	cloudy	A. Buell.
Unalashka, Alaska	29.78	756.4	29.80	756.9	23	— 5.0	73	n.	20	8.9	.....	.....	10 s	.....	n.	0	0	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.66	753.4	29.92	760.0	58	14.4	93	s.	2	0.9	.....	.....	ics; fg	.....	n.	1.90	48.3	cloudy	F. W. Mixer.
Washington, D. C.	30.19	766 8	30.31	769.9	49.7	9.8	82	calm	0	0	.....	.....	ron; fg	.....	sw	inap.	inap.	light rain	T. B. Harrison.
West Las Animas, Colorado	26.04	661.4	30.11	764.8	19.5	— 6.9	87	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	F. H. Brandenburg.
Wilmington, N. Carolina	30.22	767.6	30.28	769.1	58 0	12.8	80	sw.	1	0.4	.....	2c; k	4 s	.....	.....	0	0	fair	L. H. Albrecht.
Yankton, Dakota	28.81	731.8	30.20	767.1	28.7	— 1.8	92	ne.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.80	758.4	30.01	762.2	54.1	12.3	84	calm	0	0	.....	0	0	.....	.....	0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.63	752.6	29.65	753.1	32.9	0.5	99	e.	13	5.8	.....	.....	10 n	.....	.....	0.15	3.8	snowing	George Cheruick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	82	27.8	.....	ne.	.....	.....	1	3 c	1 k	.....	ne.	0.28	7.1	fair	W. H. Jackson.
Bogota, U. S. C.	21.96	557.9	.....	.....	54.5	12.5	90	calm	0	0	.....	.....	9 k	.....	n.	0.059	1.5	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.90	701.0	30.12	765.0	— 9	—22.8	100	s.	6	2.7	.....	2 ck	8 s	sw.	sw.	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.	.....	.....	30.06	763.5	70.0	21.1	83	n.	1	0.4	.....	0	0	.....	.....	0.02	0.5	clear	Robert Johnstone.
Paramaribo, S. A	30.03	762.7	30.03	762.7	78	25.6	86	e.	.....	.....	1	5 ck	5 k	e.	e.	0.030	0.8	.....	Dr. C. J. Hering.
Puerto Herrio, U. S. C.	29.39	746.5	29.95	760.7	76	24.4	89	s.	.....	.....	1	4 ck	6 ks	calm	s.	0	0	cloudy	Francisco J. Olsneres.
Rivas, Nicaragua, C. A.	.....	.....	.....	.....	74.2	23.4	85	ne.	.....	.....	1	.....	.....	.....	.....	0	0	clear	Earl Platt.
York Factory, B. A	29.97	761.2	30.04	763.0	—25.0	—31.7	.....	n.	13	5.8	.....	0	0	.....	.....	0	0	clear	Fortescue & Wood.
U. S. OF COLOMBIA.																			
(Sub series).																			
Colon	29.93	760.2	29.94	760.5	78.4	25.8	80	n.	11.2	5.0	.....	.....	6 k	.....	n.	0	0	fair	P. Fasiani.
Naós, Bay of Panama	29.88	759.6	29.95	760.7	72.3	22.4	91	n.	.....	.....	4	.....	1 ck	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the Air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. Armenia, N. 40° 30′, W. 68° 05′ *	30.15	765.8	48	8.9	70	nw.			5		1			½ h'r	½ h'r	mod.	sw.	clear.
S. S. America, Bremerhaven, Germany			51	10.6	93	sw.			3		2		sw.	0	0			clear.
S. S. Athos, Cartagena, U. S. C.						e.			1		0			0	0	sm'h		clear.
S. S. Bothnia, N. 41° 44′, W. 58° 26′	29.98	761.5	51?	10.6?	100	ssw.			5		10		ssw.	8 h'r	8 h'r	mod.	ssw.	drizzling.
S. S. British Princess, N. 45° 20′, W. 36° 00′						w.			6		8		w.	3 h'r	3 h'r	mod.	w.	cloudy.
S. S. Britannic, N. 41° 47′, W. 50° 20′ *†	30.22	767.6	34	1.1		nne.			2		2		n.	0	0	mod.	e.	d. clouds.
S. S. City of Augusta, Savannah river, Ga †	30.30	769.6				ene.			4		4		ne.	0	0			clear.
S. S. Caracas, Curacoa, W. I †	30.01	762.2	79.5	26.4	78	e.			5		3		e.	0	0	light	ene.	fine.
S. S. Celtic, N. 42° 13′, W. 44° 27′ †	30.19	766.8			50	w.			5		8		w.	3 h'r	3 h'r	mod.	w.	hail squalls
S. S. Dora, N. 36° 02′, W. 62° 00′ *†	30.36	771.1	56 3	13.5		w.			4		8		w.	0	0	light	w.	cloudy.
S. S. Canada, (Fr) N. 42° 31′, W. 57° 43′			33.8	1.		wsw.			7	s.			wsw.			large		squally.
S. S. Devonia, N. 52° 27′, W. 26° 36′ †	29.67	753.6	42	5.6		wnw.			4		3		wnw.	7 h'r	7 h'r	long	w.	clear.
S. S. England, N. 47° 12′, W. 30° 39′	29.76	755.9				w.			5		10		w.	0	0	h'vy	w	overcast.
S. S. Elysia, N. 37° 38′, W. 12° 12′ *	30.03	762.7	59	15.0	100	n.			5		0			0	0	mod.	n.	clear
Bk. Fred W. Carlon, N. 37° 50′, W. 73° 25′ †	30.31	769.9				nw.			5		4		wnw.	½h'r	½h'r	mod.	sw.	clear.
S. S. Fulda, N. 44° 54′, W. 39° 03′	30.02	762.4	43.2	6.2	91	nw.			6		5		nw.	0	0	r'gh	nw.	fair.
S. S. Gellert, N. 40° 16′, W. 54° 42′	30.26	768.6	51.0	10.6	86	wnw.					3			0	0	mod.	nw.	
S. S. George W. Thomas, N. 31° 03′, W. 68° 14′						calm			0		10		nw.	0	0	sm'h	nw.	overcast.
S. S. Greece, N. 43° 28′, W. 39° 44′ †	30.05	763.3	46	7.8		nnw.			6		8		nw.	4 h'r	4 h'r	mod.	nnw.	rainy.
S. S. Habsburg, N. 48° 34′, W. 27° 51′	29.88	758.9				wsw.			3		9		wsw.	7 h'r	7 h'r	long	wsw.	overcast.
S. S. Iowa, N. 42° 10′, W. 48° 59′ †	30.30	769.6	40	4.4		w.			2		6		wsw.	1 h'r	1 h'r	sm'h	w.	fair.
Schr. John Bracewell, N. 42° 40′, W. 70° 41′			33	0.6		nnw.			4		1		nw.	2 h'r	2 h'r			clear.
S. S. Lord Clive, N. 41° 27′, W. 49° 53′						nw.			2		10		nw.	0	0	mod.	wnw.	cloudy.
Bg. L. F. Munson, Matanzas, Cuba, W. I * †	30.13	765.3	75	23.9		calm			0		0			0	0			clear.
S. S. Main, N. 40° 42′, W. 54° 46′	30.22	767.6	44.6	7.0		se.			3		3		s.	0	0	sm'h	se.	fair.
S. S. New York, N. 26° 00′, W. 85° 15′ *†	30.08	764.0	76	24.4		sse.			6		6		s.			mod.	s.	fair.
S. S. Nessmore, St. George's channel			52	11.1	86	sw.			6		4		sw.	4 h'r	4 h'r	sm'h	sw.	fair.
S. S. Orinoco, New York, N. Y †	30.25	768.3	42	5.6		n.			2		2			shr's	sh'rs			fine.
Bk. Orpheus, N. 40° 50′, W. 58° 49′			54	12.2		sw.			7		10 k			2 h'r	2 h'r	mod.	sw.	raining.
S. S. Pavonia, N. 47° 07′, W. 34° 34′	29.85	758.2	49?	9.4?	85	nnw.			3		6		n.	0	0	light	var.	fair.
S. S. Rhaetia, N. 42° 21′, W. 55° 16′	30.21	767.3	36	2.2		sse.			5		5		s.	0	0	mod	s.	fair.
S. S. State of Georgia, N. 40° 44′, W. 54° 42′			47	8.3		s.			4		5		s.	3 h'r	3 h'r	light	w.	hazy.
S. S. Salerno, N. 50° 00′, W. 40° 32′ †	30.15	765.8	54	12.2		w.			2		3		w.	0	0	sm'h	w.	hazy.
S. S. Switzerland, N. 48° 32′, W. 12° 51′ *†	30.08	764.0				ssw.			2		0			0	0	long	ssw.	clear.
S. S. Silesia, N. 41° 19′, W. 61° 13′						w			6–7		8		wsw	3 h'r	3 h'r	mod.	w.	covered.
S. S. The Queen N. 40° 29′, W. 61° 35′	30.07	763.8	52	11.1	100	wsw.			7		8		wsw.	2 h'r	2 h'r	long	wsw.	cloudy.
Bg. Teneriffe, N. 38° 20′, W. 72° 50′						n			4		3		n.	0	0		ssw.	fair.
S. S. Valencia, N. 21° 57′ W. 68° 58′ †	30.18	766.6	76	24.4	82	e.			4		4		ese.	1 h'r	1 h'r	mod.	ne.	fair.
S. S. Westernland, N. 40° 40′, W. 51° 30′	30.26	768.6	40	4.4		w.			1		8		w.	1 h'r	1 h'r	light	w	cloudy.
S. S. W. A Scholten, N. 40° 33′, W. 63° 35′	30.05	763.3	50.9	10.5	81	wnw.			6		6		wsw.	0	0	4	w.	
S. S. Weser, N. 38° 52′, W. 62° 18′	30.17	766.3	57.2	14.0		nw.			6		8		nw.	0	0	r'gh	nw.	cloudy.
S. S. Zeeland, N. 41° 15′, W. 48° 03′			44	6.7		nw.			5		10		nw.	hail	hail	high	w.	cloudy.
S. S. Cienfuegos, N. 24° 18′, W. 74° 43′	30.14	765.5	76	24.4		e.			6		1		se.	2 h'r	2 h'r	large	e.	hazy.
S. S. Anchoria, N. 40° 57′, W. 53° 22′						s.			2		2		sw.	0	0	sm'h		clear.
S. S. Baltic, N. 53° 06′, W. 5° 10′ *†	29.88	758.9				s.			4		8		sw.	0	0	mod.	s.	fair.
S. S. Erin, London, Eng			66	18.9		w.			6		8?		sw.	0	0			clear.?
S. S. Grecian, N. 54° 20′, W. 17° 00′	29.57	751.1	53	11.7	80	w			7		9		w.	4 h'r	4 h'r	high	sw.	squally.
Bg. John Wesley, Sagua la Grande, Cuba, W. I.						s.			1		4		se.	0	0			fair.
S. S. Lone Star, N. 24° 28′, W. 83° 00′ *†	30.12	765 0	76	24.4		ese.			4		3		ese.	0	0	r'gh	ese.	clear.
S. S. Ohio, (Am) N. 48° 00′, W. 23° 03′			56	13.3	94	sw.			1		5		sw.	0	0	h'vy	nw.	overcast.
Schr. Viola Reppard, N. 30° 42′, W. 71° 12′ †	30.36	771.1	67	19.4		ene.			2		7		ene.	0	0	long	wnw.	fair.
U. S. S. Kearsarge, Alexandria, Egypt	30.16	766.1	59	15.0	70	nw.			5		5		nw.					fair.
U. S. S. Lancaster, Alexandria, Egypt	30.16	766.1	58	14.4	70	nw.			5		5		nw.			mod.	nw.	squally.
U. S. S. Alliance, N. 15° 24′, W. 61° 33′	30.04	763.0	78	25.6	69	ene.			2		2		calm	0	0	sm'h		clear.
U. S. S. Galena, Port au Prince, Hayti W. I.			75	23.9	68	e.			1		0					sm'h		clear.
U. S. S. Jamestown, Pointe a Pitre, Guadeloupe, W. I.	30.10	764 5	76	24.4	77	ene.			2		5							fair.
U. S. S. Portsmouth, Fort de France, Martinique, W. I	30.02	762.5	73	22.8	95	ne.			3		5		ene.					fair.
U. S. S. Saratoga, N. 37° 42′, W. 46° 11′	30.30	769.6	51	10.6	79	ne.			1–2		2?		ne.	rain	rain	mod.	ne.	overcast ?
U. S. S. Swatara, N. 13° 35′, W. 77° 05′	29.94	760.5	78	25.6	80	ene.			5		2		ene.	light	light	sm'h		fair.
U. S. S. Yantic, Nassau, Bahama Ids, W. I.	30.18	766.6	72	22.2	85	ese.			2		2							clear.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′			54	12.2	74	w.			1		1		w.					blue sky
H. M. S. Alecto, N. 4° 58, E. 80 18′	29.87	758.7	84	28.9		calm			0		9							d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.32	770.1	60	15.6	60	wsw.			3		3		wsw.					d. clouds.
H. M. S. Minotaur, Marmaras Bay, Asia Minor	30.06	763.5	57	13.9	38	wnw.			3		0							blue sky.
H. M. S. Myrmidon, Alexandria, Egypt	30.18	766.6	58.5	14.7	100	nw.			6		5							d. clouds.
H. M. S. Tyne, N. 47° 01′, W. 60 52′			54	12.2		sw.			2		0						3	misty.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	30.09	764.2	71.6	22.0	82	ne.			3		8		sw.	0	0	2	sw.	gloomy.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.87	758.6	86.9	30.5	79	sse.			3		5		sse.	0	0	2	ne.	d. clouds.
S. S. British Crown, N. 49° 37′, W. 24° 36′ †	29.85	758.2	50	10.0		wsw.			6		7?		wsw.	0	0	sl't	sse.	d. clouds.
S. S. Circassian, N. 51° 45′, W. 23° 30′	29.67	753.6	43	6.1	100	wnw.			4		6		wnw.			5	wsw.	clear.?
S. S. Polynesian, N. 42° 28′, W. 46° 16′	30.24	768 1	38	3 3		wnw.			3		9		n.	0	0	mod.	nw.	snowing.
S. S. Scandinavian, N. 41° 57′, W. 48° 40′	30.25	768.3	36	2.2		w.			3		10		w.	snow	snow	mod.	wnw	cloudy.
S. S. Ailsa, Kingston, Jamaica, W. I.			77.5	25.3	91	ne.			1		2		ne.	0	0			overcast.
S. S. Alps, N. 26° 54′, W. 68° 05′ *†	30.33	770.4	74	23.3		ese.			4		2		ese.	0	0	sm'h	ese.	fair.
S. S. Dorian, Naples, Italy	30.29	769.4				var.			1					0	0			fine.
S. S. Galatia, Genoa, Italy *†	30.33	770.4	72?	22.2?		s.			1		0			0	0			
S. S. Carroll, Halifax, N. S *†	29.85	758.2	36	2.2		nw.			3		10		nw.	snow	snow			clear.
S. S. California, N. 47° 21′, W. 22° 12′ *†	30.03	762.7	68.2?	20.1?		nw.			4				nw.	0	0	mod.	wnw.	cloudy.
S. S. Labrador, N. 46° 21′, W. 35° 01′ *†	29.94	760.5	42.8	6		nnw.			4		3?		nw.	rain	rain	r'gh	wnw.	cloudy.
S. S. Wyoming, New York, N. Y	30.31	769.9	34	1.1		nnw.			4		4		wnw.	0	0			covered.?
S. S. Bohemia, Elbe river, Germany						s.			1		4		se.	0	0	sm'h		fair.
S. S. Westphalia, N. 48° 40′, W. 12° 00′			51	10.6		wnw.			3		4							fine.
S. S. Teniers, N. 37° 14′, W. 13° 42′	30.09	764.3	61.0	16.1	86	nne.			3		4?		nw.	3 h'r	3 h'r	mod.	w.	cloudy.?
S. S. Archimede, (It.) N. 37° 12′, W. 57° 36′ †	30.32	770.1	60	15.6		s.			6		0	7 k		0	0	5	nne.	d. clouds.
S. S. Picqua, N. 36° 40′, W. 3° 00′ †	30.05	763.3	58	14.4	?	ene.			1		6		ssw.	0	0	mod.	nnw.	cloudy.
S. S. Oregon, N. 41° 06′, W. 53° 13′	30.23	767.8	40	4.4		wnw.			6					0	0		e.	overcast.
S. S. City of Merida, N. 19° 11′, W. 96° 08′			77.0	25.0		nw.			1		4		sw.	0	0	mod.	wnw.	fine.
S. S. Canada, (Br.) N. 47° 02′, W. 23° 30′ †	30.01	762.2	54	12.2		sw.			3		10		nw.	0	0	light	ne.	fine.
S. S. Helvetia, N. 52° 53′, W. 5° 22′			51	10.6	93	ssw.			4		10		calm	0	0	long	sw.	cloudy.
S. S. Neckar, N. 41° 24′, W. 49° 48′	30.36	771.1	50.0	10.0	02	nw.			5		10			0	0	sm'h	s.	hazy.
S. S. Rhein, N. 50° 05′, W. 3° 44′	30.09	764 3				s.			3		4?		nw.	4 h'r	4 h'r	mod.	nw.	cloudy.?
S. S. Belgenland, N. 49° 53′, W. 52° 21′			50	10.0	93	n.			2		10			0	0			foggy.
S. S. Pennland, N. 49° 08′, W. 12° 10′	30.00	762.0	57	13.9	94	sw.			4				n.	0	0	mod.	nw.	clear.
S. S. Waesland, New York, N. Y	30.30	769.6	40	4.4		nnw.			4		4		s.	5 h'r	5 h'r	sm'h	sw.	hazy.
S. S. P. Caland, N. 42° 50′, W. 38° 03′			55.0	12.8	76	nw.			4		3		nnw.	0	0			clear.
S. S. Zaandam, N. 44° 46′, W. 37° 21′			51.6	10.9	86	wnw.			5		3		n.	2 h'r	2 h'r	4	wnw.	
S. S. Maasdam, N. 48° 26′, W. 11° 54′ *	30.11	764.8	61.5	16.4	91	wsw.			5		6		w.	2 h'r	2 h'r	long	w.	rainy.
S. S. State of Nebraska, N. 42° 26′, W. 53° 25′			32	0.0					6		6		nw.	0	0	4	w.	cloudy.
S. S. Lepanto, N. 49° 36′, W. 4° 24′	30.04	763.0	52	11.1		wsw.					8		w.	0	0	mod.	w.	gloomy.
S. S. Marengo, N. 50° 34′, W. 1° 00′			50	10 0		ese.			3		10		w.	0	0	h'vy	wsw.	misty.
Schr. Arthur Burton, N. 19° 00′, W. 66° 30′ †	30.07	763.8				e.			3		0			0	0	sm'h		clear.
Bk. Aureola, N. 40° 36′, W. 70° 35′ †	30.23	767.8	39	3.9	73	nnw.			4		2		e.	0	0	chop	e.	fine.
Bg. Abbie Clifford, N. 31° 32′, W. 58° 34′			68	20.0		e.			0		5		e.	1 h'r	1 h'r	mod.	sw.	fair.
									3		2					long	nnw.	rain.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—*North Atlantic.*—Continued.																		
Bgt. Achsah, Port of Spain, Trinidad, W.I†	30.00	762.0	80	26.7	.....	ese.	.....	.....	2	.....	4	.....	ene.	½ h'r	½ h'r	.....	.....	clear.
S. Annie, N. 24° 29′, W. 64° 48′*	30.14	765.5	.....	.....	.....	ne.	.....	.....	6	.....	8	.....	ne.	½ h'r	½ h'r	rg'h	n.	cloudy.
Schr. Abbie H. Gheen, Springwood Mills, S.C *†	30.27	768.8	60	15.6	.....	e.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 20° 00′, W. 27° 50′*†	30.10	764.5	70	21.1	.....	e.	.....	.....	4	.....	6	.....	e.	1 h'r	1 h'r	long	n.	cloudy.
Bk. Achille F., N. 20° 30′, W. 33° 30′*†	29.95	760.7	81	27.2	83	ne.	.....	.....	5	.....	2	.....	ene.	0	0	mod.	e.	clear.
Bk. Bore, N. 28° 50′, W. 20° 11′ *†	30.15	765.8	68	20.0	.....	nne.	.....	.....	3	.....	1	.....	nne.	0	0	sm'h	n.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.98	761.5	80	26.7	.....	ene.	.....	.....	4	.....	8	.....	ene.	2 h'r	2 h'r	.....	.....	cloudy.
Bk. Cato, Oporto, Portugal †	30.06	763.5	60	15.6	88	e.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	clear.
Bkt C. S. Bushnell, N. 38° 57′, E. 13° 16′	30.33	770.4	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. David Stewart, N. 19° 42′, W. 68° 12′†	30.06	763.5	79	26.1	.....	e.	.....	.....	4	.....	8	.....	e.	light	light	mod.	e.	squally.
Schr. Edith R. Seward, Orchilla Island, Venezuela	.....	.....	80	26.7	.....	ene.	.....	.....	3	.....	4	.....	ene.	0	0	.....	.....	clear.
Bk. Esmeralda, N. 58° 30′, E. 2° 14′	29.82	757.4	.....	.....	.....	s.	.....	.....	5	.....	2	.....	s.	0	0	mod.	wsw.	clear.
U. S. Fish Com. S.S Fish Hawk. Fernandina, Fla	.....	.....	68	20.0	.....	ne.	.....	.....	2	.....	2	.....	ne.	0	0	light	s.	clear.
Bg. George, Arroyo, Porto Rico, W. I*†	30.04	763.0	.....	.....	.....	ene.	.....	.....	3	.....	2	.....	.....	0	0	mod.	.....	fair.
S. Grecian, N 4° 45′, W. 39° 30′	.....	.....	80	26.7	87	ne.	.....	.....	5	.....	3	.....	ne.	0	0	long	nne.	clear.
Bk. Galeon, N. 28° 20′, W. 15° 05′	.....	.....	63	17.2	.....	n	.....	.....	5	.....	8	.....	n.	rain	rain	long	nw.	blue sky.
S. Gatherer, N. 0° 18′, W. 27° 53′	.....	.....	82	27.8	75	nne.	.....	.....	3	.....	7	.....	ne.	0	0	.....	nnw.	cloudy.
Bk. Heinrich & Tonio, N. 40° 05′, W 25° 17′*†	30.15	765.8	64	17.8	83	sw.	.....	.....	3	.....	0	.....	.....	0	0	long	nw.	clear.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	.....	.....	79	26.1	.....	ne.	.....	.....	5	.....	5	.....	ne.	0	0	.....	.....	
S. Henry Falling, N. 11° 45′, W. 41° 48′*†	30.01	762.2	75	23.9	.....	ne.	.....	.....	6	.....	3	.....	ene.	0	0	long	nne.	clear.
Schr. Jennie N. Huddell, Smithville, N. C†	30.28	769.1	63	17.2	.....	calm	.....	.....	0	.....	10	.....	s.	sh'rs	sh'rs	.....	.....	cloudy.
Bg. John Welsh, jr., Barbadoes, W. I†	29.97	761.2	.....	.....	.....	ene.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.10	764.5	.....	.....	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Cindad, Veneuzuela	.....	.....	75	23.9	.....	ene.	.....	.....	4	.....	4	.....	ene.	0	0	.....	.....	fair.
Bg. L. & W. Armstrong, Pointe à Pitre, Guadaloupe, WI	.....	.....	.....	.....	.....	e.	.....	.....	1	.....	2	.....	e.	½ h'r	½ h'r	.....	.....	fine
Light-house tender Laurel, Key West, Fla †	30.08	764.0	75	23.9	.....	se.	.....	.....	2–3	.....	4	.....	se.	light	light	.....	.....	fair.
S. S. Madrid, Benlat, Spain	.....	.....	61	16.1	82	ene.	.....	.....	5	.....	9	.....	ene.	12 h'r	12 h'r	.....	.....	cloudy.
Schr. Maggie Abbott, Gonaives, Hayti, W I*†	30.02	762.5	.....	.....	.....	n.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Rosalie, N. 50° 46′, W. 8° 47′*†	29.95	760.7	.....	.....	.....	wsw.	.....	.....	5	.....	2	.....	wsw.	3 h'r	3 h'r	mod.	sw.	clear.
Bk. Rosina, N. 39° 44′, W. 34° 00′	29.90	759.4	61	16.1	.....	wnw.	.....	.....	7	.....	9	.....	nw.	2 h'r	2 h'r	large	n.	cloudy
Bk. Sunbeam, Lisbon, Portugal†	30.06	763.5	62	16.7	88	ene.	.....	.....	5	.....	0	.....	.....	4 h'r	4 h'r	.....	.....	clear.
S. Stephen D. Horton, N. 50° 19′, W. 12° 26′ †	30.06	763.5	.....	.....	.....	w.	.....	.....	6	.....	3	.....	wnw.	2 h'r	2 h'r	r'gh	w.	fine.
S. Tasmogora, N. 39° 00′, W. 37° 46′*†	30.00	762.0	.....	.....	.....	nw.	.....	.....	5	.....	9	.....	nw.	rain	rain	long	wnw.	cloudy.
Bk. Tros, N. 24° 49′, W 32° 45′ *†	30.25	768.3	68	20.0	.....	ene.	.....	.....	3	.....	1	.....	ne.	0	0	sm'h	ne.	clear.
S. Vincenzo Accame, N. 38° 55′, E. 8° 00′†	30.27	768.8	62.6	17	.....	ese.	.....	.....	0	.....	0	.....	.....	0	0	r'gh	se.	
Bk. Horace Scudder, N. 0° 33′, E 7° 23′	.....	.....	79	26.1	.....	ssw.	.....	.....	4	.....	5	.....	ne.	2 h'r	2 h'r	.....	.....	fair.
District No. 2—*South Atlantic.*																		
U. S. S. Brooklyn, Cape Town, S. Africa	29.65	753.1	75	23.9	68	wsw.	17	7.6	.....	.....	0	.....	.....	0	0	sm'h	.....	clear.
U. S. S. Pensacola, S. 19° 40′, W 0° 57′	30.09	764.3	74	23.3	76	e.	.....	.....	4	.....	2	.....	e.	0	0	sm'h	.....	clear.
H. M. S. Amethyst, S. 48° 45′, W. 61° 05′	29.20	741.7	47	8.3	85	wsw.	.....	.....	6–8	.....	10	.....	.....	.....	.....	6	sw.	showery.
H. M. S. Boadicea, Congo river, Guinea	29.87	758.7	83	28.3	87	ene.	.....	.....	1	.....	8	ene.	.....	.....	.....	.....	.....	d. clouds
H. M. S. Sylvia, Montevideo, Uruguay	29.92	760.0	69	20.6	76	se.	.....	.....	3	.....	9	.....	.....	.....	.....	.....	.....	d. clouds.
H.P.M.S Rainha de Portugal, Mossamedes, Benguela	29.84	757.8	71.6	22.0	78	w.	.....	.....	3	.....	2	.....	.....	0	0	1	.....	blue sky.
S. S. Archimedes, (Br.) S. 17° 29′, W. 38° 07′	30.00	762.0	.....	.....	.....	ne.	.....	.....	2	.....	8	.....	ese.	1 h'r	1 h'r	light	ese.	fine.
S. S. Hevelius, S. 14° 00′, W 38° 30′*†	30.12	765.0	84	28.9	.....	ene.	.....	.....	3	.....	2	.....	ne.	1 h'r	1 h'r	sm'h	.....	clear.
S. S. Rosse, S. 19° 52′, W. 39° 18′	29.94	760.5	78	25.6	86	nne.	.....	.....	5	.....	4	.....	nne.	1 h'r	1 h'r	.....	.....	fine,
S. Frank N. Thayer, S. 0° 36′, W. 25° 29′ *†	29.92	760.0	79.5	26.4	89	n.	.....	.....	2	.....	10	.....	e.	2 h'r	2 h'r	light	n.	raining.
S. Ismir, S. 19° 15′, W. 27° 10′ *†	29.92	760.0	.....	.....	.....	ese.	.....	.....	4	.....	4	.....	ese.	0	0	.....	se.	fine,
Schr. James Slater, Para, Brazil *†	30.17	760.3	82	27.8	.....	e.	.....	.....	0	.....	10	.....	calm	4 h'r	4 h'r	.....	.....	cloudy.
Bkt. Levanter, S. 32° 05′, W. 44° 09′ *	29.95	760.7	75	23.9	.....	n.	.....	.....	3	.....	9	.....	n.	0	0	cross	.....	hazy.
S. S. Mendoza, S. 7° 20′, W. 33° 47′†	30.00	762.0	.....	.....	.....	se	.....	.....	2	.....	.....	.....	sse.	2 h'r	2 h'r	sm'h	nne.	rainy.
S. S. Leipzig, S. 14° 15′, W. 38° 39′ *	30.00	762.0	84.5	29.2	100	e.	.....	.....	2	.....	6	.....	e.	0	0	mod	e.	cloudy.
U. S. S. Shenandoah, Montevideo, Uruguay*	29.89	759.2	69	20.6	85	ese.	.....	.....	4	.....	10	.....	se.	.....	.....	mod.	.....	cloudy.
District No. 3—*North Pacific.*																		
U. S. Naval Hospital, Yokohama, Japan	.....	.....	42	5.6	61	nne.	.....	.....	2	.....	10	.....	w	0	0	.....	.....	gloomy.
U. S. S. Alert, Shanghai, China	30.24	768.1	48	8.9	85	ne.	.....	.....	1	.....	10	.....	ene.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, Nagasaki, Japan	30.10	764.5	48	8.9	70	n	.....	.....	2	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Juniata, Roze Island, Corea	30.20	767.1	40	4.4	73	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, Woosung, China	30.22	767.6	44	6.7	83	nne.	.....	.....	3	.....	10	.....	calm	.....	.....	sm'h	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	30.12	765.0	63	17.2	95	e.	.....	.....	1	.....	10	e.	.....	.....	.....	.....	.....	misty.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.12	765.0	54	12.2	87	nne.	.....	.....	2	.....	10	.....	.....	.....	.....	1	.....	drizzling.
H. M. S. Champion, Shanghai, China	30.21	767.3	48	8.9	70	nne.	.....	.....	1	.....	3	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.15	765.8	50.2	10.1	88	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	2	e.	raining.
H. M. S. Magpie, N. 1° 17′, E. 103° 51′	29.88	758.9	79.5	26.4	83	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Tamega, Macao, China	30.05	763.3	66.2	19	90	e.	.....	.....	1–2	.....	10	.....	.....	5 h'r	5 h'r	.....	.....	rain & fog.
U. S. S. Monocacy, Canton, China	30.03	762.7	59	15.0	94	n.	.....	.....	2	.....	10	.....	n.	.....	.....	.....	.....	hazy.
S. S. City of Chester, San Francisco, Cal †	30.07	763.8	52	11.1	93	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	
S. S. Columbia, N. 43° 40′, W. 124° 32′ *†	29.80	756.9	50	10.0	89	s.	.....	.....	3	.....	10	.....	s.	.....	.....	light	s.	cloudy.
S. S. Oregon, Portland, Oregon†	29.90	759.4	45	7.2	75	calm	.....	.....	0	.....	10	.....	se.	.....	.....	.....	.....	cloudy
S. S. Alameda, N. 32° 07′, W. 136° 54′†	30.24	768.1	59	15.0	88	w.	.....	.....	2	.....	.....	.....	nne.	0	0	light	w.	clear.
S. S. Ancon, Pt. Loma, Cal†	30.13	765.3	59	15.0	76	ssw.	.....	.....	2	.....	3†	.....	w.	0	0	sm'h	w.	overcast.†
S. S. State of California, San Francisco, Cal †	30.07	763.8	51	10.6	100	sw.	.....	.....	2	.....	10	.....	sw.	.....	.....	.....	.....	drizzling.
S. S. Australia, N. 37° 25′, W. 123° 46′	.....	.....	54	12.2	80	w.	.....	.....	4	.....	9	.....	w.	rain	rain	long	w.	overcast.
S. S. City of Pekin, N. 30° 43′, E. 129° 52′†	30.01	762.2	57	13.9	74	n.	.....	.....	3	.....	10	.....	s.	0	0	sm'h	.....	cloudy.
S. S. City of Rio de Janeiro, N. 27° 11′, W. 148° 27′ †	30.13	765.3	68	20.0	.....	e.	.....	.....	5	.....	.....	.....	ne.	.....	.....	mod.	nw.	overcast.
S. S. City of Tokio, N. 33° 35′, E. 174° 09′†	30.27	768.8	60	15.6	76	sw.	.....	.....	5	.....	10	.....	sw.	.....	.....	mod.	sw.	hazy.
S. S. Colima, N. 26° 19′, W. 113° 59′	.....	.....	61	16.1	88	nw.	.....	.....	4	.....	3	.....	nw.	0	0	mod.	nw.	clear.
S. S. Granada, N. 12° 34′, W. 88° 16′ †	29.90	759.4	78	25.6	82	ese.	.....	.....	4	.....	0	.....	.....	0	0	mod.	ese.	clear
S. S. San Blas, N. 28° 49′, W. 116° 18′†	30.09	764.3	57	13.9	87	nnw	.....	.....	3	.....	10	.....	.....	0	0	mod.	n.	cloudy.
S. S. San Jose, N. 15° 32′, W. 95° 17′ †	29.97	761.2	79	26.1	91	wnw.	.....	.....	2	.....	1	.....	.....	0	0	small	se.	clear.
S. S. Zealandia, N. 24° 36′, W. 152° 16′	30.05	763.3	69	20.6	80	ne	.....	.....	0	.....	4	.....	n.	.....	.....	mod.	w.	fair.
S. S. Benalder, N. 26° 30′, E. 121° — ′	30.18	766.6	53	11.7	94	n.	.....	.....	4–5	.....	8	.....	var.	20 h'r	20 h'r	mod	n.	drizzling.
S. S. J. W. Gildemeister, N. 4° 20′, E 111° 56′	29.92	760.0	80.6	27	84	nnw.	.....	.....	3	.....	3 8	.....	se.	0	0	1–2	nnw.	d. clouds.
U. S. S. Richmond, Woosung, China	30.24	768.1	49	9.4	64	ne.	.....	.....	3	.....	10	.....	ne.	0	0	.....	.....	cloudy.
S. S. Oceanic, N. 34° 37′, W. 108° 09′	30.18	766.6	55	12.8	81	w.	.....	.....	4	.....	4	.....	sw.	0	0	4	w.	fair.
District No. 4—*South Pacific.*																		
U. S. S. Pinta, S 49° 17′, W. 74° 22′	29.81	757.2	43	6.1	83	n.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	rainy.
U. S. S. Wachusetts, Valparaiso, Chili	29.98	761.5	60	15.6	71	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Espiegle, S. 36° 50′, E. 174° 49′	30.12	765.0	64	17.8	88	nne.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	.....	squally.
H. M. S. Lark, S. 36° 50′, E. 174° 48′	30.15	765.8	64.3	17.9	61	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Mutine, Callao, Peru	29.94	760.5	71	21.7	.....	calm	.....	.....	0	.....	4	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 12° 04′, W. 77° 10′	29.98	761.5	72	22.2	90	s.	.....	.....	1	.....	6	s.	.....	.....	.....	.....	.....	d. clouds.
S. S. City of Sydney, Sydney, N.S.W.*†	30.26	768.6	66	18.9	79	s.	.....	.....	4	.....	2 8	.....	s.	.....	.....	.....	.....	clear.
U. S. S. Port Phillip, S. 10° 27′, E. 147° 17′	29.79	756.7	83	28.3	100	w.	.....	.....	2	.....	.....	.....	.....	.....	.....	light	e.	clear.
U. S. S. Onward, Callao Bay, Peru*†	30.00	762.0	71	21.7	95	calm	.....	.....	0	.....	5	.....	.....	.....	.....	long	w.	fair.
U. S. S. Iroquois, Coquimbo, Chili	29.95	760.7	61	16.1	88	n.	.....	.....	2	.....	10	.....	n.	.....	.....	.....	.....	misty.
U. S. S. Lackawanna, Callao, Peru	29.90	759.4	71	21.7	90	se.	.....	.....	1	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—*Indian Ocean.*																		
U. S. S. Trenton, N. 16° 30′, E. 62° 44′	29.93	760.2	84	28.9	83	ne.	.....	.....	2	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
H.M. S. Tourmaline, off Zanzibar, Zanzibar	29.87	758.7	82	27.8	87	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 22° 53′, E. 75° 38′*..	30.06	763.5	.....	.....	.....	ene.	.....	.....	5	.....	5	.....	ne.	0	0	sm'h	.....	fair.

International Chart I. March 18, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 19, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.89	759.2	64.0	17.8	76	se.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair...	Roziers.
Algiers	.....	.....	30.05	763.3	63.7	17.6	61	se.	.....	.....	1	.....	0	.....	.....	inap	inap.	clear.....	Théve.
La Calle	.....	.....	30.15	765.8	72.0	22.2	51	s.	.....	.....	7	.....	4	.....	.....	0	0	cloudy.....	Fonfrède.
Tunis	.....	.....	30.25	768 4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.98	761.6	59.0	15.0	98	se.	.....	.....	2	.....	3	.....	.....	0.142	3.6	pretty fair...	Forfert.
Laghouat	.....	.....	30.11	764.7	59.4	15.2	.....	n.	.....	.....	3	.....	6	.....	.....	0	0	cloudy.....	Abraham.
Biskra	.....	.....	30.19	766.7	72.3	22.4	47	e.	.....	.....	6	.....	6	.....	.....	0	0	cloudy.....	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.19	766.8	67.0	19.4	42	ssw.	4	1.8	.....	.....	0	.....	.....	0	0	clear.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.86	758.4	30.05	763.3	52	11.1	73	s.	10	4.5	.....	.....	7	.....	s.	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	30.07	763.8	30.16	766.0	59.1	15.1	81	sse.	2	0.9	.....	.....	10	.....	.....	0	0	dull.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.59	751.6	30.13	765.3	68.9	20.5	23	sw.	.....	.....	4	.....	5	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.19	741 5	29.95	760.8	59.7	15.4	43	nw.	2.5	1.1	.....	.....	5	.....	.....	0.047	1.2	.....	Dr. Wiersbiski
Eperies	29.10	739 0	29.96	761.0	60.8	16.0	41	s.	.....	.....	2	.....	9 s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.87	733.4	30.10	764.5	64.9	18.3	38	nw.	.....	.....	4	.....	1	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.54	724.9	29.97	761.2	55.9	13.3	37	nnw.	.....	.....	3	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.79	731.3	30.11	764.9	61.7	16.5	49	wnw.	.....	.....	2	.....	3	.....	.....	0	0	fair.....	The Staff.
Lemberg	29.01	736.8	30.01	762.3	45.0	7.2	74	s.	.....	.....	2	.....	5	.....	.....	inap.	inap.	.....	Dr. T. Stanecki.
Pola	30.11	764.8	30.22	767.6	57.6	14.2	85	w.	.....	.....	3	.....	3	.....	.....	0	0	foggy.....	I. R. Hydrographic Office.
Szathmar	29.50	749.2	29.56	760.9	57.7	14.3	47	n.	.....	.....	3	.....	0	.....	.....	0.008	0.2	.....	Joseph Midlinsky, S. J
Szegedin	29.73	755.1	30.00	762.1	61.2	16.2	56	w.	.....	.....	3	.....	6	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.16	766 0	30.26	768.5	57.0	13.9	64	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.38	746.3	30.08	764.1	65.8	18.8	39	w.	.....	.....	2	.....	8	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.74	730.1	30.11	764.8	62.8	17.1	51	sw.	.....	.....	1	.....	1	.....	.....	0	0	.....	
Brussels	29.94	760.4	30.13	765.4	57.7	14.3	62	wsw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Furnes	30.11	764.9	30.13	765.4	60.4	15.8	72	sw.	.....	.....	0–1	.....	4	.....	.....	0	0	.....	
Maeseyck	30.02	762.4	30.14	765 6	59.0	15.0	72	w.	.....	.....	1	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.69	754.1	29.79	756.7	49.6	9.8	48	sw.	16	7.2	.....	.....	5	.....	.....	0.040	1.0	blue sky.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.98	761 5	53.5	11.9	58	sw.	17	7.6	.....	.....	5	.....	.....	.....	.....	d. clouds.....	John Hartnup.
Bolton, Sharples	29.44	747.8	29.97	761.2	51.3	10.7	76	ssw.	6	2.7	.....	.....	8	.....	.....	.....	.....	d. clouds ...	Thomas Mackereth.
Bradford, Yorkshire	29.56	750.8	29.96	761.0	52.1	11.2	62	sw.	.....	.....	4	.....	8	.....	.....	0.01	0.3	d. clouds ..	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.02	762.5	30.06	763.5	79	26.1	70	ne.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds.....	Corp'l O. McGregor, A.H.O
Cardington	.....	.....	.....	.....	53.0	11.7	64	sw.	.....	.....	1,0	.....	8	.....	.....	.....	.....	overcast.....	John McLaren.
Chatham, School M. E	29.94	760.5	30.11	764.8	56.5	13.6	67	w.	.....	.....	1	.....	7	.....	.....	.....	.....	gloomy.....	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.86	758.4	30.09	764.3	52.9	11.6	81	ssw.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds.....	The Staff.
Fort Napier, Natal	27 64	702.0	29.95	760.7	81.0	27.2	74	ne.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky.....	Corp'l O. Stares, A.H.O.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.78	756.4	29.82	757.4	50	10.0	86	sw.	.....	.....	2	.....	4	.....	.....	0.02	0.5	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	30.00?	762.0?	30.10?	764.5?	59.3	15.2	92	se.	.....	.....	3	.....	0	.....	.....	.....	.....	blue sky.....	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.92	760.0	30.10	764.5	58.1	14.5	64	sw.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.83	757.7	30.13	765.3	48.0	8.9	92	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	foggy.....	A. Collenette, F.R.M.S
Kew, Observatory	30.06	763.5	30.10	764.5	54.3	12.4	67	sw.	12	5.4	.....	.....	5	.....	.....	.....	.....	d. clouds.....	The Staff.
Leicester, Museum	29.77	756.1	30.03	762.7	56.6	13.7	90	sw.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky.....	J. C. Smith.
Malta, Mediterranean	30.12	765.0	30.20	767.1	61.4	16.3	69	se.	.....	.....	3	.....	6	.....	.....	0	0	d. clouds.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.13	765.3	30.18	766.6	75.5	24.2	79	se.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.86	758.4	30.08	764.0	51.0	10.6	75	sw.	.....	.....	3	.....	7	.....	.....	.....	.....	d. clouds.....	The Staff.
Plymouth	30.01	762.2	30.08	764.0	52.8	11.6	88	calm	.....	.....	0	.....	10	.....	.....	.....	.....	foggy.....	John Merrifield.
Sandwick Manse, Orkneys	29.52	749.8	29.62	752.3	45.3	7.4	80	.....	.....	.....	.....	.....	0?	.....	.....	.....	.....	showery?....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.98	761.5	30.04	763.0	53.0	11.7	67	sw.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky.....	W. H. Lyne.
Sheffield	29.71	754.6	29.99	761.7	56.3	13.5	64	ssw.	.....	.....	3	.....	1	.....	.....	.....	.....	blue sky.....	W. F. Cooper.
Silloth Rectory	29.88	758.9	29.91	759.7	49.2	9.6	92	sw.	.....	.....	5	.....	10	.....	.....	0.060	1.5	overcast.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.99	761.7	51.3	10.7	63	sw.	14	6.3	.....	.....	7	.....	.....	0.010	0.3	d. clouds.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	56.8	13.8	69	sw.	.....	.....	1.5	.....	8	.....	.....	.....	.....	d. clouds.....	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.73	755.1	29.76	755.9	51.4	10.8	82	s.	40	17.9	.....	.....	10	.....	.....	blank	blank	misty.....	The Met'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.89	759.2	30.28	769.1	63.3	17.4	56	se.	5.6	2.5	.....	3 c	5 n	.....	se.	0.01	0.3	cloudy.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.95	760.7	30.07	763.8	57.7	14.3	97	ene.	4	1.8	.....	.....	10 k	.....	.....	0.561	14.2	cloudy.....	The Staff.
CANADIAN.																			
Bathurst, N. B	30.24	768.1	30.28	769.1	10.0	—12.2	.....	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.23	767.8	30.28	769.1	14	—10.0	82	w.	3	1.3	.....	0	0	.....	.....	0.200	5.1	clear.....	H. J. Cundall, C. E.
Chatham, N. B*	30.25	768.3	30.32	770.1	3	—16.1	100	w	3	1.3	.....	0	0	.....	.....	0	0	clear.....	G. A. Blair.
Cornwall, Ontario	29.99	761.7	30.20	767.1	18.9	— 7.3	92	e.	.....	.....	1	0	2 s	.....	.....	0	0	blue sky.....	Jas. Smith, M. A.
Dalhousie, N. B	30.26	768.6	30.31	769.9	7.0	—13.9	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	H. A. Johnson.
Father Point, Quebec*	30.25	768.3	30.27	768.8	9	—12.8	91	s.	10	4.5	.....	0	0	.....	.....	0	0	clear.....	J. McWilliams
Fort Garry, Manitoba*	29.24	742.7	30.14	765.5	13	—10.6	83	n.	2	0.9	.....	.....	10 n	.....	.....	0	0	fair.....	James Stewart.
Fredericton, N. B	30.32	770.1	30.40	772.1	1.1	—17.2	100	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	Dr. Thos. Harrison.
Grand Manan, N. B	30.30	769.6	30.36	771.1	27	— 2 8	88	nw.	5	2.2	.....	2 c	0	.....	.....	0	0	fair.....	J. Chipman Seeley
Granton, Ontario	28.85	732 8	29.99	761.7	32.1	0.1	97	ne.	5	2.2	.....	.....	10 n	.....	.....	inap.	inap.	raining.....	Jas. Grant.
Halifax, N. S*	30.22	767.6	30.36	771.1	18	— 7.8	87	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	A. Allison.
Hamilton, Ontario	29.60	751.8	30.00	762.0	32.9	0.5	92	ne.	.....	.....	2	10 cs	0	ne.	.....	.....	.....	raining.....	Geo. Dickson, B. A.
Kingston, Ontario*	29.83	757 7	30.18	766.6	28	— 2.2	88	ne.	5	2.2	.....	10 k	0	n.	.....	0	0	fair.....	A. P. Knight, M. A.
Little Glace Bay, N. S	30.13	765.3	30.17	766.3	22.5	— 5.3	86	nw.	2	0.9	.....	0	0	.....	.....	.....	.....	blue sky.....	C. H. Rigby.
London, Ontario	29.04	737.6	30.00	762.0	32.3	0.2	89	ne.	.....	.....	1	.....	10 n	.....	.....	0.200	5.1	overcast.....	E. B. Reed.
Medicine Hat, N. W. T	27.51	698.7	29.89	759.2	23	— 5.0	92	s.	2	0.9	.....	0	0	.....	.....	0.410	10.4	clear..	John Ewart.
Minnedosa, N. W. T	28.12	714.2	30.19	766.8	10	— 8.9	96	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	30.07	763 8	30.30	769.6	20	— 6.7	80	se.	13	5.8	.....	10 cs	0	W.	.....	0	0	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	30.02	762.5	30.27	768.8	10.1	—12.2	81	s.	.....	.....	.....	.....	10 ks	.....	.....	0.100	2.5	overcast.....	A. McCaill, M. A.
Parry Sound, Ontario*	29.39	746.5	30.12	765.0	25	— 3.9	88	s.	6	2.7	.....	.....	10 n	.....	sw.	0	0	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.35	745.5	30.14	765 5	24.3	— 4.3	86	ne.	.....	.....	1	.....	fg.	.....	.....	0	0	misty.....	Wm. O'Connor, M.A.
Port Arthur	29.39	746 5	30.14	765.5	16	— 8.9	91	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29 28	743.7	30.00	762.0	32	0.0	100	ne.	14	6.3	.....	.....	10 n	.....	ne.	0.03	0.8	light rain....	H Morgan.
Port Stanley, Ontario	29.30	744 2	29.97	761.2	34	1.1	89	e.	12	5.4	.....	.....	10 n	.....	se.	0.04	1.0	light rain....	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec	29.96	761 0	30.35	770.9	13	—10.6	91	s.	6	2.7	.....	5 c	0	sw.	.....	0	0	fair.....	Capt. Ashe, R. N.
Rockliffe, Ontario	29.72	754.9	30.22	767.6	10	—12.2	87	calm	0	0	.....	.....	10 s	.....	w.	0	0	cloudy.....	W. H. McIntyre.
St. Andrews, N. B	30.32	770.1	30.37	771.4	18	— 7.8	97	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	
St. John, N. B	30.23	767.8	30.38	771.6	18.2	— 7.7	95	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	.....	.....	29.92	760.0	19.4	— 7.0	.....	n.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	
Stratford, Ontario	29.29	744.0	30.04	763.0	32	0.0	88	e.	12	5.4	.....	.....	10 s	.....	.....	0.03	0.8	cloudy.....	
	28.67	728.2	30.00	762.0	32.0	0.0	92	calm	0	0	.....	.....	10 s	.....	.....	.....	.....	raining.....	W. McBride, M.A.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind.		Clouds. Direction.		Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	30.12	765.0	30.19	766.8	15	— 9.4	83	w.	4	1.8		0	0			0.05	1.3	clear	T.C.Hill, C.E.
Toronto, Ontario*	29.69	754.1	30.09	764.3	32	0.0	88	ne.	15	6.7			10 n		e	inap.	inap.	light rain	Magnetic Observatory.
Woodstock, Ontario	28.93	734 8	30.03	762.7	31.4	— 0.3	94	ne.	14	6.3			10 n					raining	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.33	770.4	30.40	772.1	25	— 3.9	76	calm	0	0			sk			0	0	dense smoke	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.06	763.5	30.09	764.3	67.5	19.7	95	sw.				0	9 s			0	0	fine	I. Garfelt.
Cape Town, The Castle	30.05	763.3			69.0	20.6	50	sse.				0	5 k			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.90	708.6			79	26.1	47									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.60	751.8	29.71	754.5	44.6	7.0	97	e.			1		8		e.	0	0	misty	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					52.9	11.6	71	s.			1	0						clear	Leon Herrera.
Valparaiso	29.77	756.2	29.91	759.8	58.1	14.5	86	s.			1	0	0					clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.14	765.5	30.16	766.1	41.4	5.2	84	e.	7.4	3.3			0			0	0	clear	M.Marc Dechevrens, S.J.
DANISH.																			
Copenhagen	29.84	757 9	29.89	759.1	50.9	10.5	59	wnw.	22	10			7						Oversergent Fischer.
Fanöe	29.92	759.9	29 94	760.4	45.9	7.7	80	w.			4		3						Overloerer Lauridsen.
Godthaab, Greenland	29.58	751.3	29.62	752.4	9.0	—12.8	96	nw.			2		10					snowing	S. Kleinschmidt.
Ivigtut, Gree. land	29.56	750.8	29.58	751.3	17.4	— 8.1		n.			2		5						
Stykkishoim, Iceland	29.26	743.2	29.30	744.3	26.1	— 3.3	80	e.			4		8						A. O. Thorlacius.
Thorshavn	29.31	744.5	29.34	745.1	45.7	7.6	76	w.	22	10			3						Overloerer Bergh.
Upernavik, Greenland	29.51	749.6	29.56	750.8	—14.3	—25.7		calm			0		0					hazy	
Vestervig	29.74	755.3	29.83	757.6	44.2	6.8	87	wsw.			7		0						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	30.09	764.2			64.4	18.		nw.	3.4	1.5			9 k			0	0		Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School	29.58	751.2	30.22	767.7	62.6	17.	61	se.			1		0			0	0	clear	M. Labroue, Director.
Alençon, Normal School	29.63	752.7	30.19	766.7	56.1	13.4	91	s.			1		5 ks		n.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.78	756.3	30.02	762.4	59.0	15.	54	sw.			2		8			0	0	very cloudy	M. Ungerer, Director.
Avignon, Normal School	30.16	766.1	30.24	768.1	66.2	19.	46	nne.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.61	752.1	30.16	766.0	66.4	19.1	39	sse.			1		2			0	0	slightly cl'dy	M. Saillard, Director.
Beauvais, Normal School	29.89	759.1	30.15	765.8	60.4	15.8	61	se.			1		0			0	0	clear	M. Frère Eugène Marie.
Besançon, Normal School	29.24	742.8	30.13	765 2	65.8	18.8	42	ssw.			1		0			0	0	clear	M. Gobin, Director.
Bordeaux, Observatory	29.89	759 2	30.17	766.2	61.7	16.5	55	ese.			1		0			0	0	misty	M. Rayet, Director.
Bourges, Normal School	29.63	752.5	30.17	766.2	66.6	19.2	36	sw.			1		2		sw.	0	0	slightly cl'dy	M. Sauvageot, Director.
Brest, Naval Observatory	29.93	760.2	30.17	766.4	58.3	14.6	80	s.			1		5		s.	0	0	misty	M. de Kermarec, Dir.
Caen, Normal School	30.02	762.6	30.10	764 5	55.0	12.8	95	nw.			1		2		nw.	0	0	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.87	758.8	30.19	766.9	66.7	19.3	53	sse.			1		0			0	0	clear	M. Jadot, Director.
Charleville, Normal School	29.69	754.1	30.20	767.0	65.1	18.4	66	w.			1		8			0	0	¾ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.83	732.3	30.16	766.1	66.0	18.9	30	ne.			1		0			0	0		M. Alluard, Director.
Cluny, Normal School	29.31	744.5	30.16	766.0	68.0	20	40	wnw.			1					0	0		M. de Villemontée, Dir.
Commercy, Normal School	29.32	744.8	30.19	766.9	60.4	15.8	50	wsw.			1		5 k	wsw.	wsw.	0	0	cloudy	Dr. Coulet, Director.
Gap, Normal School	27.70	703 6	30.23	767 8	63.3	17.4	25	w.			1		0			0	0		M. Jarach, Director.
Grésque, du Rhone	29.08	738.6	30.19	766.7	66.7	19.3	46	ne.			1		3		sw.	0	0		M. Kina, Director.
Grenoble. Normal School	29.42	747.3	30.18	766.5	66.6	19.2	43	wsw.			1		0			0	0	clear	M. Ablard, Director.
Guéret, Normal School	28.61	726.7	30.18	766.6	62.6	17.	61	nw.			1		0			0	0	clear	M. Delorme, Dir.
Lambal e Normal School	29.83	757.7	30.11	764.7	63.7	17.6	78	se.			1		kn		se.	0	0		M. Pollpre, Dir.
Lescar, Normal School	29.57	751.1	30.13	765 2	68.4	20.2	59	ene.			1					0	0		M. Ohauvin, Director.
Lorient, Naval Observatory	30.09	764.2	30.19	766.8	53.2	11.8	78	sse.			1		10		se.	0	0	misty	L'. T. Carre, Director.
Lyon, St. Genis-Laval	29.14	740.2	30.19	766.8	64.2	17.9	39	s.			1		0			0	0	misty	M. Andié, Director.
Mans, Normal School	29.87	758.7	30.18	766 5	58.5	14.7	76	w.			4		2 k		w.	0	0	slightly cl'dy	M. Richard, Director
Marseille, Observatory	29.98	761.4	30.25	768.3	62.6	17.0	44	wnw.			1		0			0	0	misty	M. Stephan, Director.
Montlouis	24.94	633 5	29.78	756.5	46.9	8.3	49	e.	11.2	5.0			0			0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	30.13	765.4	30.24	768.2	62.6	17.	81	s.			4		0			0	0	clear	M. Gaizin, Director.
Nancy, Normal School	29.39	746.5	30.15	765.9	64.8	18.2	42				1		0			0	0		M. Hasse, Director.
Nantes, Observatory	30.04	762.9	30.20	767.0	63.7	17.6	59	sw.			0–1	1 c				0	0		M. Larocque, Director.
Perpignan, Observatory	30.13	765 3	30.24	768.1	60.1	15.6	70	se.	9.4	4.2			1		se.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.30	541.1			35.1	1.7		se.			1		0			0	0	clear	M. Vaussenat, Director.
Privas, Normal School	29.15	740.3	30.20	767.0	65.5	18.6	44	calm			0		0			0	0	clear	M. Tallieu.
Puy de Dôme Obs'y, Summit	25.32	643 1			44.6	7.6	59	se.			2		0			0	0		M Alluard.
Rochefort, Naval Obs'y	30.15	765.8	30.18	766.6	68.5	20.3	52	calm			0		0			0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.95	760.7	30.16	766.1	63.7	17.6	63	s.			1		0			0	0		M. Brotlier, Director.
Rodez, Normal School	28 08	713 2	30.24	768.0	62.6	17.	38	w.			0.5		1		e.	0	0	clear	M. Seger, Director.
Rouen, Normal School	30.10	764.4	30.14	765.6	61.5	16.4	72	ssw.			1		5		w.	0	0	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.99	761.7	30.15	765.9	64.8	18.2	46	ssw.			1		2			0	0		M. Renou, Director.
Toulouse, Observatory	29.46	748.3	30.19	766.8	64.9	18.3	48	sse.			4		0			0	0	clear	M. Baillaud, Director.
Tours	29.99	761.8	30.17	766.4	64.8	18.2	53	se.			1		0			0	0	clear	M. de Tastes.
Versailles, Observatory	29 66	753-3	30.15	765.8	63.7	17.6	50	sw.			1		0			0	0	clear	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	30.01	762.2	30.16	766.0	59.7	15.4	68	se.	5.8	2.6			0			0	0	misty	M. Cartier, Director.
GERMAN.																			
Anshach	28.73	729.7	30.16	766.0	62.2	16.8	35	w.			4		3	w.		0	0		Prof. Jnedt.
Bamberg	29.30	744.2	30.15	765.7	62.1	16.7	40	s			2		6 k		s.	0	0		Prof. Dr. Hoh.
Berlin	29.90	759.5	30.05	763.2	53.2	11.8	73	w.			1		10			0	0		Meteorological Institute
Breslau	29.52	749.7	30.05	763.2	58.1	14.5	54	wnw.			2		10			0.008	0.2		Royal University Obs'y
Carlsruhe	29.71	754.6	30.17	766 2	65.5	18.6	41	sw.			2		0			0	0		Albert Senx.
Cassel	29.40	746 7	30.11	764.8	61.5	16.4	60	ssw.			1		7	sw.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.76	756.4	30.14	765.5	64.8	18.2	60	wsw.			1		9			0	0		Physical Society.
Friedrichshafen	28.77	730.7	30.19	766.8	55.4	13.0	67	ssw.			1		2	w.		0	0		Wilhelm, Chief Tel.
Hamburg	29.98	761.6	30.08	763.9	54.0	12.2	62	w.			1		10			0	0		E. Preller.
Kiel	29.97	761 3	29.99	761.7	51.3	10.7	61	w.			4		9			0	0		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.68	753.9	30.10	764.5	60.4	15.8	59	w.			4		9			0	0		H. Leppig, Asst.
Magdeburg	29.89	759.2	30.08	764.0	57.2	14.0	60	w.			2		10	w.		0	0		Weather Observatory.
Memel	29.86	758.4	29.91	759.6	40.8	4.9	100	sw.			1		10	w.		0	0	raining	Issermann.
Munich	28.35	720.1	30.22	767.7	62.2	16.8	34	calm			0		3	w.		0	0		Central Station.
Neufahrwasser	29.91	759.8	29.93	760 2	48.7	9.3	80	s.			1		10			0.028	0.7	raining	A. Lothes.
Neustadt, Palatinate	29.61	752.1	30.14	765.5	66.9	19.4	45	s.			3		4	s.		0	0		Prof. Dickmether.
Stuttgart	29.20	741.6	30.08	763.9	65.3	18.5	43	n.			1		3	sw.		0	0		Prof. Dr. Schoder.
Wustrow	29.95	760 7	29.97	761.3	46.6	8.1	92	sw.			4		10 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.76	756.0	30.15	765.7	64.2	17.9		sw.			1.5	0	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.81	757.2	29.86	758.5	81.7	27.6	75	wsw.	30.0	13.4			0			0	0	blue sky	
Deesa	29.36	745 8	29.82	757.4	97.8	36.6	20	wnw.	1.0	0.4			0			0	0	blue sky	
Bombay	29.83	757.6	29.86	758.5	82.2	27.9	71	nw	17.0	7.6			0			0	0	blue sky	
Poona, Yarrowda	27.99	710.8	29.79	756 6	94.3	34.6	12	s.	8.0	3.6			0			0	0	blue sky	
Belgaum	27.34	694.5	29.86	758.6	79.6	26.4	53	ssw.	11.0	4.9			2	n.	ne.	0	0	d. clouds	
Lahore	29.15	740 5	29 90	759 3	83.5	28.6	24	nw.	2.0	0.9			3			0	0	d. clouds	
Roorkee	28.92	734.4	29.80	757.0	84.7	29.3	15	w.	2.0	0.9			0			0	0	blue sky	
Agra	29.18	741.3	29.74	755.3	91.2	32.9	15	w.	6.0	2.7			0			0	0	blue sky	
Nagpur	28.77	730.7	29.78	756.5	93.9	34.4	9	n.	7.0	3.1			0			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.50	724.0	29.84	757.9	88.7	31.5	12	n.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Lucknow	29.47	748.6	29.84	758.0	88.1	31.2	18	W.	9.0	4.0	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.49	749.1	29.80	756.9	89.7	32.1	15	nw.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.65	753.1	29.83	757.7	87.6	30.9	19	W.	2.7	1.2	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.80	706.0	29.79	756.7	81.5	27.5	10	wnw.	10.0	4.5	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.76	755.9	29.84	758.0	72.5	22.5	90	e.	.....	.....	.....	.....	4	.....	.....	1.15	29.2	d. clouds	
Calcutta, Alipore	29.83	757.6	29.85	758.2	79.5	26.4	49	sse.	9.0	4.0	.....	.....	10	.....	.....	.....	.....	thund'rstorm	
Dhubri	29.70	754.2	29 81	757.2	79.7	26.5	57	ene.	6.9	3.1	.....	.....	8	.....	wsw.	0	0	d. clouds	
Dhittagong	29.77	756.0	29.86	758 3	83.7	28.7	61	wsw.	3.8	1.7	.....	.....	8	.....	.....	0	0	d. clouds	
Sibsagar	29.59	751.6	29.93	760.3	71.4	21.9	70	ne.	2.0	0.9	.....	.....	8	sw.	sw.	0	0	d. clouds	
Jeypore	28.42	722.0	29.84	757.9	90.9	32.7	22	n.	7.5	3.4	.....	.....	0	.....	.....	0	0	blue sky	
Zanzibar	29.90	759.3	29.92	759.9	84.7	29.3	65	wnw.	5.0	2.2	.....	.....	2	ne.	sse.	0	0	d. clouds	
Bellary	28.33	719.6	.....	.....	96.0	35.6	16	e.	6	2.7	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.55	750.6	.....	.....	96.1	35.6	37	ne.	0.3	0.1	.....	0	0	.....	.....	0	0	blue sky	
ITALIAN.																			
Udine	29.82	757.4	30.23	767.9	62.1	16.7	36	sw.	2.5	1.1	.....	.....	0	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.72	754.8	30.24	768.0	62.6	17.0	51	sw.	4.9	2.2	.....	.....	1	.....	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	30.12	765.1	30.23	767.9	57.6	14.2	58	sw.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.31	744.4	30.22	767.5	62.6	17.0	48	se.	3.1	1.4	.....	.....	2	.....	.....	0	0	.....	Prof. F. F. Denza.
Genoa	30.08	764.0	30.27	768 9	58.6	14.8	64	sw.	5.6	2.5	.....	.....	0	.....	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	30.20	767.0	30.24	768.2	54.3	12.4	79	ne.	9.8	4.4	.....	.....	0	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	29.98	761.6	30.24	768.1	58.6	14.8	55	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	30.14	765.6	30.23	767.8	59.4	15.2	66	sw.	1.3	0.6	.....	.....	4	ese.	.....	0	0	.....	Prof. P. Monte.
Rome	30.08	764.0	30.25	768.4	62.2	16.8	37	ssw.	1.8	0.8	.....	.....	1	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	29.97	761.1	30.22	767.6	61.3	16.3	30	nne.	6.3	2.8	.....	.....	0	.....	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	29.35	745.5	30.25	768.4	58.6	14.8	76	se.	2.5	1.1	.....	.....	0	.....	.....	0	0	.....	Prof. D. Conti.
Palermo	30.02	762.4	30.27	768.8	58.1	14.5	61	ne.	4.9	2.2	.....	.....	10	.....	.....	0	0	.....	Prof. G. Cacciatore
Syracuse	30.19	766 9	30.24	768.1	62.6	17.0	69	ssw.	11.2	5.0	.....	.....	10	ssw.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.74	755.3	.....	.....	59.9	15.5	48	sw.	3.1	1.4	.....	.....	1	.....	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.19	766.8	30.22	767.7	30.6	— 0.8	76	calm	.....	.....	0	.....	10 k	.....	W.	0	0	cloudy	H. Hattori.
Awomori	30.14	765.5	30.18	766.6	27.0	— 2.8	85	ssw.	9.3	4.2	.....	0	3 s	.....	.....	0	0	fair	K. Ogawa.
Hakodate	30.16	766.1	30.17	766.4	32.0	0.0	94	W.	12.0	5.4	.....	0	2 s	.....	.....	0	0	clear	Y. Souma.
Hamamatsu	30.09	764.3	30.19	766.8	45.7	7.6	84	ene.	.....	.....	2	0	5 s	.....	e.	0	0	fair	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.17	766.3	30.19	766.7	40.2	4.6	86	n.	3.7	1.7	.....	0	0	.....	.....	0	0	clear	Y. Okamoto.
Kagoshima	30.13	765 2	30.14	765.5	52.9	11.6	78	ene.	.....	.....	2	0	1 s	.....	.....	0	0	clear	
Kanazawa	30.11	764 8	30.22	767.5	37.0	2.8	82	n.	1.6	0.7	.....	0	0	.....	.....	0	0	clear	S. Endo.
Kioto	30.01	762.3	30.19	766 7	39.0	3.9	77	nw.	2.6	1 2	.....	0	0	.....	.....	0	0	clear	M. Tojima.
Kochi	30.14	765.5	30.16	766.0	47.5	8.6	90	s	1.5	0.6	.....	0	0	.....	.....	0	0	clear	K. Kusunose.
Miasaka	30.13	765.2	30.15	765 9	50.1	10.1	87	nne	.....	.....	2	.....	9 s	.....	e.	0	0	cloudy	K. Masusaki&T.Ishitain.
Miyako	30.10	764.5	30.21	767.3	31.1	— 0.5	73	sw.	0.7	0.3	.....	0	2 s	.....	.....	0	0	clear	N.Honno & K.Suwa.
Nagasaki, I. M. Obs'y	29.94	760.5	30.15	765.8	44.4	6.9	82	n.	1.8	0.8	.....	0	0	.....	.....	0	0	clear	
Nemuro	30.04	763 0	30.09	764.3	23.0	— 5.0	73	sse.	3.0	1.3	.....	0	8 s	.....	.....	0	0	cloudy	A Shibuya.
Niigata	30.20	767.1	30.21	768.1	33.2	0.7	95	calm	0	0	.....	0	0	.....	.....	0	0	clear	Satoo & Tomikawa.
Nobiru	30.20	767.1	30.22	767.5	31.8	— 0.1	73	n.	4.3	1.9	.....	0	3 s	.....	.....	0	0	fair	Yoshino & Midzushina.
Numadzu	30.17	766.3	30.20	767.1	43.0	6.1	75	e.	.....	.....	2	.....	10 s	.....	.....	0	0	cloudy	T. Ohgi.
Osaka	30.17	766.2	30.18	766.6	41.8	5.4	79	e.	9.0	4.0	.....	0	0	.....	.....	0	0	clear	H. Omura.
Sakai	30.17	766 3	30.18	766.5	41.5	5.3	74	e.	.....	.....	4	0	0	.....	.....	0	0	clear	Yamawchi & Sakamoto.
Sapporo	30.04	762.9	30.11	764.8	26.0	— 3.3	94	sw.	2.2	1.0	.....	0	0	.....	.....	0	0	clear	
Shimonoseki	30.04	762 9	30.18	766 6	42.0	5.6	78	ne.	.....	.....	1	0	1 s	.....	.....	0.015	0.4	clear	S. Kimura.
Tokei Obs'y, Yeddo	30.15	765.9	30.23	767.9	41.0	5.0	76	se.	4.0	1.8	.....	.....	0	.....	.....	0	0	clear	S. Sakano.
Wakayama	30.11	764.7	30.16	766.1	40.1	4.5	79	calm	0	0	.....	0	0	.....	.....	0	0	covered	The Staff.
MAURITIUS.																			
Mauritius R. A. Observatory	29.78	756.4	29.97	761.2	78.3	25.7	83	se.	8.5	3.8	.....	.....	8 ks	.....	.....	0	0	clear	K. Sakai.
MEXICAN.																			
Leon	24.27	616.4	30.06	763.5	48.9	9.4	69	nnw.	0.9	0.4	.....	10 cs	0	.....	.....	0	0	cloudy	The Staff.
Mazatlan	29.65	753.1	29.91	759.8	64.0	17.8	62	e.	1.6	0.7	.....	4 cs	0	W.	.....	0	0	overcast	M. Leal & M. Pina
NETHERLANDS.																		foggy	F. Quijano, C. E.
Flushing	30.15	765 9	30.15	765.9	57.2	14.0	.....	W.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Groningen	30.01	762.3	30.07	763.7	54.0	12.2	.....	wsw.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Helder	30.08	764.0	30.08	764.0	49.5	9.7	.....	sw.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	30.14	765.6	30.14	765.6	55.4	13.0	69	wsw.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Utrecht	30.08	764.1	30.13	765.3	59.2	15.1	61	sw.	.....	.....	3	.....	6	.....	.....	0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.87	758.8	.....	.....	76.8	24.9	87	ene.	3.5	1.6	.....	.....	10	.....	.....	2.224	56.5	.....	Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.41	746.9	29.47	748.5	45.0	7.2	83	sw.	27	12	.....	.....	10	.....	.....	0.315	8.0	raining	
Bronо	29.22	742.3	29.26	743.3	44.6	7.0	75	s.	.....	.....	4	.....	9	.....	.....	0.236	6.0	.....	
Christiania	29.27	743.4	29.41	747.1	41.7	5.4	77	sw.	13	6	.....	.....	5	.....	.....	0.469	11.9	.....	
Gjesvaer	29.27	743 4	29.29	744.0	42.1	5.6	.....	sw.	.....	.....	7	.....	10	.....	.....	0	0	.....	
Lodingen	29.25	743.0	29.30	744.2	43.7	6.5	75	ne.	.....	.....	2	.....	1	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	30.08	764.0	30.17	766.3	64.4	18.0	63	sw.	5.6	2.5	.....	.....	2	n.	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	29.69	754.0	30.02	762.5	62.1	16.7	85	ne.	19.9	8.9	.....	.....	1	.....	.....	c	0	.....	
Saint Paul de Loando	30.23	767.9	30.30	769 7	59.0	15.0	80	ne.	14.3	6.4	.....	.....	3	.....	.....	0.063	1.6	.....	
St. Vincent, Cape Verd Ids.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
San Salvador, Congo	29.99	761.8	30.03	762.7	68.4	20.2	69	ne.	.....	.....	3	.....	9	.....	.....	0	0	.....	
Serra da Estrella	28.03	711.9	29.83	757.7	85.6	29.8	59	W.	.....	.....	2	.....	2	.....	.....	0	0	.....	
RUSSIAN.	25.31	642.9	30.06	763.5	47.5	8.6	67	ese.	9.8	4.4	.....	.....	2	.....	.....	0	0	.....	
Akmolinski	28.93	734.9	30.11	764.8	9.9	— 12.3	85	calm	0	0	.....	6 ck	0	.....	.....	0	0	light clouds	Major K. Lasarew.
Archangel	29.90	759.5	29.92	760.0	21.9	— 5.6	77	ese.	2	1	.....	0	0	.....	.....	0	0	.....	Capt. Sselliwerstow
Asburada	30.09	764.2	29.99	761.8	51.8	11.0	70	ese.	2	1	.....	0	2 k	.....	.....	0.106	2.7	.....	
Astrakhan	29.91	759 8	29.84	757.9	41.2	5.1	64	sw.	16	7	.....	.....	10 s;h	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	29.82	757.5	29.78	756.3	55.2	12.9	33	wsw.	45	20	.....	0	0	.....	.....	0	0	.....	
Barnaul	29.69	754.1	30.23	767.9	14.4	— 9.8	55	nw.	4	2	.....	.....	4	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.47	748.5	29.97	761.1	23.5	— 4.7	72	nnw.	7	3	.....	.....	10 s	.....	.....	0	0	.....	
Dorpat	29.68	753.8	29.93	760.2	35.6	2.0	66	ssw.	4	2	.....	0	0	.....	.....	0	0	.....	Observatory.
Ekaterinburg	29.09	738.8	30.09	764.3	30.9	— 0.6	38	se.	4	2	.....	10 c	0	.....	.....	0	0	solar ha.o	Meteorological Obs'y
Elisawetgrad	29.45	748.0	29.91	759.8	37.6	3.1	56	nw.	9	4	.....	.....	10 ks	.....	.....	inap.	inap.	.....	
Kasan	29.58	751.3	29.86	758.5	24.3	— 4.3	79	ese.	13	6	.....	.....	10	.....	.....	inap.	inap.	light snow	Observatory.
Kem	29.85	758.2	29.90	759.5	26.2	— 3.2	78	s.	13	6	.....	.....	7 ks	.....	.....	0	0	.....	
Kerch	29.80	759.2	29.91	759.8	42.4	5.8	67	sw.	7	3	.....	0	5 k	.....	.....	0	0	.....	Lagorio & Sastyres.
Kieff	29.23	742.5	29.89	759.1	37.8	3.2	53	nnw.	11	5	.....	.....	10ks;n	.....	.....	0	0	.....	Observatory.
Koslov	29.04	737.6	29.56	750.8	31.5	— 0.3	87	nne.	16	7	.....	.....	10 s	.....	.....	0.059	1.5	.....	
Lagov	29.21	742.0	29.82	757 3	35.4	1.9	69	n.	9	4	.....	.....	7	.....	.....	0.024	0.6	.....	R.I.Ssaweljew, Ensign.
Libau	29.82	757.4	29.84	758 0	39.7	4.3	89	s.	11	5	.....	.....	10	.....	.....	0	0	.....	L. Quade.
Lugan	29.44	747.9	29.65	753.2	37.0	2.8	77	W.	18	8	.....	.....	10	.....	.....	0.004	0.1	.....	Meteorological Obs'y
Moscow	29.27	743.4	29.77	756.1	28.2	— 2.1	65	n.	4	2	.....	.....	10 n	.....	.....	0.043	1.1	snowing	Meteorological Obs'y
Nertschinsk	27.96	708 6	30.43	772.8	5.0	— 15.0	67	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Nikolaiev	29.85	758.3	29.93	760.1	44.6	7.0	53	nw.	13	6	.....	.....	10 kn	.....	.....	0	0	.....	Capt. Kurdakow.

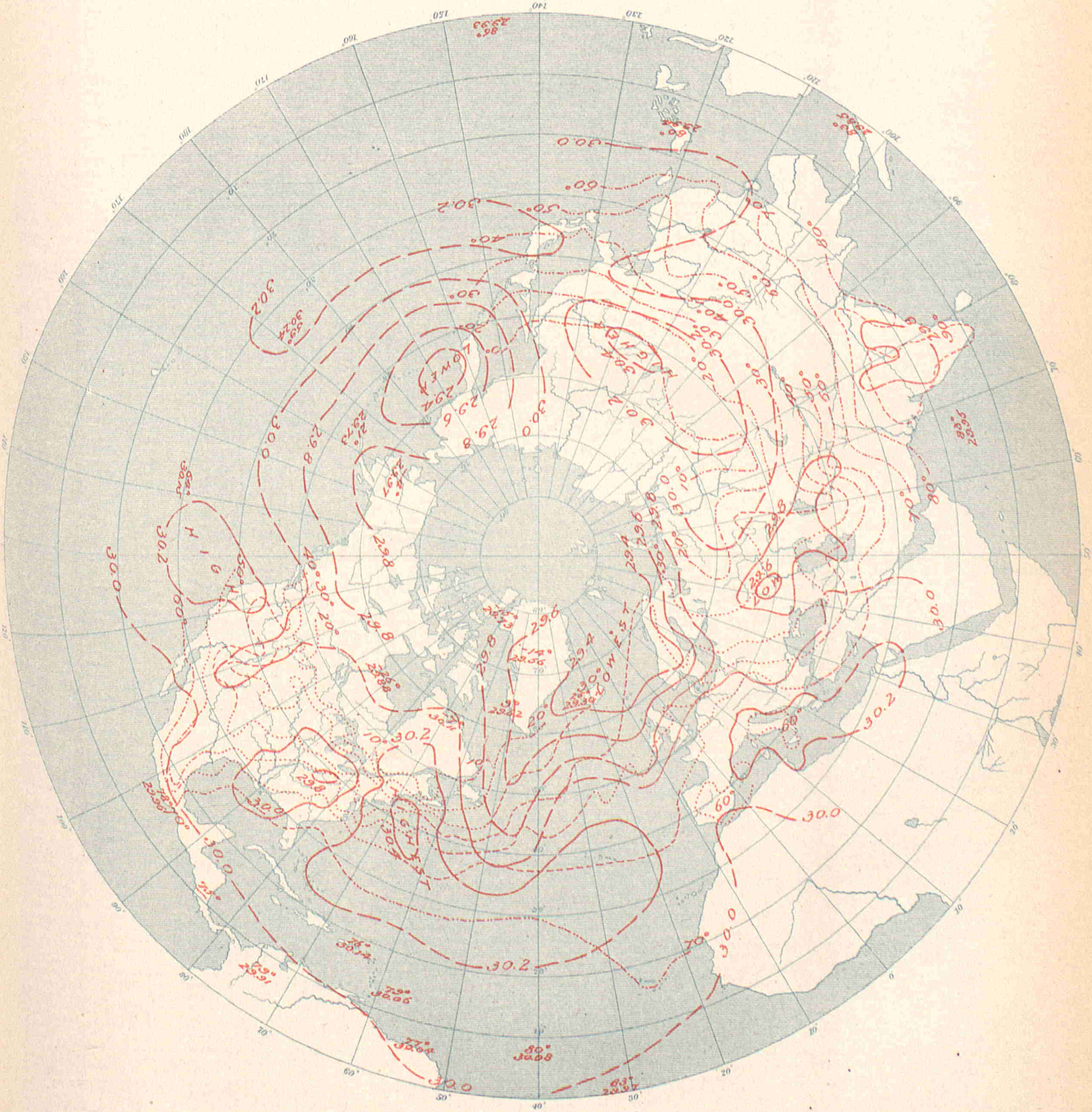
STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.94	760.4	30.02	762.6	4.3	—15.4	52	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.68	753.9	29.82	757.5	49.1	9.5	78	calm	0	0	.....	.....	9 n	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.54	750.4	29.92	759.9	27.7	— 2.4	87	nw.	1.1	0.5	.....	.....	10 n	.....	.....	.....	.....	snowing.....	Walter.
Petrozavodsk	29.76	756.0	29.97	761.3	24.1	— 4.4	75	se.	9	4	.....	.....	10	.....	.....	0	0	light clouds	Dr. Bergmann.
Pinsk	29.48	748.9	29.99	761.7	43.2	6.2	56	wnw.	9	4	.....	3 cs	0	.....	.....	0	0	.....	
Poti	30.00	761.9	30.03	762.7	39.0	3.9	93	s.	11	5	.....	.....	10 n	.....	.....	0.260	6.6	raining	
St. Petersburg	29.92	760.0	29.95	760 6	29.7	— 1.3	67	ene.	4	2	.....	0	2 k	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.28	693.0	29.70	754.4	59.5	15.3	64	s.	7.8	3.5	.....	0	7 k	.....	.....	.....	.....	heavy cl'ds.	Dresch.
Semipalatinsk	29.48	748.9	30.21	767 3	9.9	—12.3	81	calm	0	0	.....	.....	2	.....	.....	inap.	inap.	.....	Major Lasarew
Sevastopol	29.74	755.5	29.97	761.1	41.9	5.5	67	nnw.	11	5	.....	7 cs	0	.....	.....	.....	.....	.....	
Staroi Bykhov	29.32	744.7	29.89	759.2	36.7	2.6	63	wnw.	7	3	.....	.....	9	.....	.....	0.004	0.1	.....	Carl Hagen.
Tashkend, Laboratory	28.13	714.6	29.82	757.4	47.5	8.6	89	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	heavy cl'ds.	Teren, A. M.
Tiflis	28.52	724.4	29.97	761.1	44.6	7.0	41	nw.	20	9	.....	0	4 k	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.30	693.5	29.88	759.0	34.3	1.3	76	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Larlono.
Viatka	29.32	744.6	29.98	761.6	20.3	— 6.5	62	ese.	4	2	.....	.....	3	.....	.....	0.020	0.5	.....	
Vladivostock	29.98	761.4	30.04	763.1	29.3	— 1.5	97	se.	22	10	.....	.....	10 k	.....	.....	0.016	0.4	.....	
Warsaw	29.57	751.1	29.99	761.8	53.2	11.8	66	ssw.	7	3	.....	ck	10 s	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.90	759.4	30.21	767.4	9.5	—12.5	55	n.	2	1	.....	.....	9	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.14	740.1	29.67	753.6	26.6	— 3.0	66	n.	21.0	9.4	.....	.....	10	.....	n.	0.03	0.8	cloudy	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	30.11	764.7	30.22	767.5	56.7	13.7	77	ne.	.....	.....	.....	0	1	.....	.....	0	0	clear.....	B. Jelin.
Bilbao, Met. Obs'y	30.08	763.9	30.13	765.4	72.9	22.7	49	s.	1.3	0.6	.....	0	0	.....	.....	0	0	clear.....	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.17	690 0	30.11	764.8	58.3	14.6	46	e.	4.3	1.9	.....	.....	0	.....	.....	0	0	clear.....	Domingo Martin.
Madrid, Royal Obs'y	27.86	707.7	30.08	764.0	60.4	15.8	52	ne.	12.8	5.7	.....	0	8	.....	.....	0.067	1.7	misty.....	The Staff.
Murcia, Met. Obs'y	29.86	758.4	30.07	763.7	57.6	14.2	91	ene.	8.5	3.8	.....	5	5	W.	.....	0.646	16.4	raining. ...	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.15	740.3	30.02	762.4	70.0	21.1	50	calm	0	0	.....	.....	0	.....	.....	0	0	clear.....	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.02	762.5	30.09	764.2	69.6	20.9	90	ese.	2.2	1.0	.....	0	k	.....	.....	0	0	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	759.0	29.94	760 5	79.8	26.6	76	se.	8.8	3.9	.....	0	1 k	.....	.....	0	0	clear.....	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.89	759.2	29.99	761 7	62.1	16.7	81	e.	10.3	4.6	.....	0	8	.....	se.	0.123	3.1	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.05	763.2	30.14	765.5	75.6	24.2	80	calm	0	0	.....	3 kn	5 k	s.	s.	0	0	cloudy	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	29.63	752.5	29.67	753.5	34.7	1.5	83	s.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Umea	29.54	750.3	29.59	751.6	34.5	1.4	85	sw.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Hernosand	29.37	746.0	29.42	747.3	36.0	2.2	96	ssw.	.....	.....	4	.....	10	.....	.....	0.008	0.2	.....	
Stockholm	29.45	747.9	29.62	752.4	44.8	7.1	81	s.	.....	.....	4	.....	10	.....	.....	0.012	0.3	.....	
Wisby	29.68	753.8	29.74	755.3	43.9	6.6	83	w.	.....	.....	4	.....	3	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.46	748.3	29.55	750.5	41.0	5.0	90	s.	16.1	7.2	.....	.....	9	.....	sw.	0.307	7.8	.....	H. H. Hildebrandesson
Swiss																			
Geneva	28.79	731.2	30.21	767.4	54.7	12.6	53	n.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	
TURKISH.																			
Constantinople	.....	.....	30.06	763.5	54.9	12.7	52	sw.	10	4.5	.....	.....	1	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	30.28	769.0	63.0	17.2	.....	nw.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30 19	766.8	62.1	16.7	53	sw.	.....	.....	2	.....	3 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	30.24	768.1	30.33	770.4	31.3	— 0.4	85	ne.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy.	J. O. Barnes.
Alpena, Michigan	29.36	745.7	30.06	763.5	30	— 1.1	77	e.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy.....	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.95	633.7	29.97	761.2	34.9	1.6	89	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	J. B. Turton.
Assinnaboine, Ft., Montana	27.01	686.0	30.03	762.7	29.0	— 1.7	100	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	J. J. O'Connor.
Atlanta, Georgia	28.78	731.0	29.99	761.7	60.2	15.7	91	sw.	10	4.5	.....	.....	10 s	.....	sw.	2.14	54.4	cloudy	S. W. Beall.
Atlantic City, New Jersey	30.22	767.6	30.23	767.8	40.0	4.4	100	se.	11	4.9	.....	.....	10 n	.....	.....	0.05	1.3	light rain....	B. A. Blundon.
Augusta, Georgia	29.83	757.7	30.03	762.7	65.2	18.4	92	s.	3	1.3	.....	.....	10 s	.....	s.	0.30	7.6	cloudy.....	W. J. Evans.
Baltimore, Maryland	30.12	765.0	30.17	766 3	42.2	5.7	96	e.	5	2.2	.....	.....	10 n	.....	e.	0.36	9.1	light rain....	Geo. W. Felgar.
Barnegat City, New Jersey	30.26	768.6	30.28	769.1	40.0	4.4	89	e.	15	6.7	.....	.....	10 n	.....	.....	0.03	0.8	light rain....	J. P. Sherry.
Bennett, Fort, Dakota	28.45	722 6	30.15	765.8	30.6	— 0.8	94	ne.	2	0.9	.....	.....	10 s	.....	.....	.....	.....	threatening.	A. Pritchard.
Benton, Fort, Montana	27.03	686.5	30.01	762.2	30.1	— 1.1	81	ne.	5	2.2	.....	.....	10 s	.....	sw.	0	0	cloudy.....	C. S. Bennett.
Bismarck, Dakota	28.23	717.0	30.15	765.8	19.8	— 6.8	87	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog....	B. O. Lenoir.
Block Island, Rhode Island	30.35	770.9	30.38	771.6	39.0	3.9	86	s.	5	2.2	.....	9 cs	0	.....	.....	0	0	cloudy.....	J. T. Elker.
Boise City, Idaho	27.13	689.1	30.05	763.3	36.3	2.4	88	nw.	6	2.7	.....	.....	10 n	.....	.....	0.33	8.4	light snow..	James Kenealy.
Boston, Massachusetts	30.24	768 1	30.40	772.1	31.5	— 0.3	68	ne.	1	0.4	.....	.....	10s;hz	.....	.....	0	0	cloudy..	O. B. Cole.
Brownsville, Texas	30.01	762.2	30.07	763.8	53.0	11.7	100	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	John McGlone.
Buffalo, New York	29.25	742 9	30.04	763.0	38.5	3.6	86	ne.	5	2.2	.....	.....	10 n	.....	ne.	0.10	2.5	light rain....	D. Cuthbertson.
Buford, Fort, Dakota	28.00	711.2	30.16	766.1	19.9	— 6.7	88	ne.	8	3.6	.....	9 k	0	W.	.....	0	0	cloudy.....	A. Schneider.
Cairo, Illinois	29.47	748.5	29.89	759.2	54.6	12.6	91	nw.	8	3.6	.....	.....	10 n	.....	nw.	0.26	6.6	light rain....	W. H. Ray.
Canby, Fort, Washington Ter	29.90	759.4	30.10	764.5	44.1	6.7	80	w.	4	1.8	.....	0	2 k	.....	.....	0.15	3.8	clear.....	J. H. Young.
Cape Henry, Virginia	30.09	764.3	30.11	764.8	50.0	10.0	100	se.	12	5.4	.....	.....	10 n	.....	.....	0.08	2.0	light rain....	A. K. Alderson.
Cape May, New Jersey	30.13	765.3	30.16	766.1	42.0	5.6	94	e.	22	9.8	.....	.....	10 n	.....	se.	0.24	6.1	light rain....	W. E. Smith.
Cape Mendocino, California	29.57	751.1	30.26	768.6	45	7.2	76	nw.	9	4.0	.....	0	5 s	.....	nw.	0.13	3.3	fair.....	A. P. Leavitt.
Cedar Keys, Florida	30.01	762.2	30.03	762.7	69.0	20.6	92	se.	18	8 0	.....	3 c	4 s	s.	se.	0	0	fair.....	G. W. Davis.
Charleston, S. Carolina	29.99	761.7	30.05	763.3	66.5	19.2	93	sw.	12	5.4	.....	0	8 s	.....	sw.	0	0	cloudy.....	J. H. Smith.
Charlotte, N. Carolina	29.11	739.4	29.99	761.7	62.6	17.0	93	s.	19	8.5	.....	.....	10 n	.....	s.	0.89	22.6	light rain....	D. O'Donoghue.
Chattanooga, Tennessee	29.06	738.1	29.91	759.7	59.0	15.0	93	s.	5	2.2	.....	.....	10 ks;fg	.....	sw.	1.12	28.4	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.95	608.3	30.15	765.8	25.2	— 3.8	59	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	E. McGovern.
Chicago, Illinois	29.16	740.7	29.90	759 4	35.1	1.7	88	n.	8	3.6	.....	.....	10 n	.....	n.	0.66	16.8	light rain....	Wm. Norrington.
Chincoteague, Virginia	30.12	765 0	30.14	765.5	39.8	4.3	100	se.	15	6.7	.....	.....	10 n	.....	ne.	0.20	5.1	light rain....	C. F. Dickens
Cincinnati, Ohio	29.11	739.4	29.80	756.9	58.0	14.4	84	se.	1	0.4	.....	.....	10 n	.....	se.	0.21	5.3	light rain....	L. Dunne.
Cleveland, Ohio	29.10	739.1	29.88	758.9	47.2	8.4	91	e.	12	5.4	.....	.....	10 n	.....	e.	0.12	3.0	light rain....	W. Line.
Columbus, Ohio	28.90	734.0	29.79	756.7	52.6	11.4	89	ne.	2	0.9	.....	.....	10 n	.....	.....	0.79	20.1	light rain....	F. T. Williams
Concho, Fort, Texas	28.13	714.5	30.10	764.5	39.3	4.1	92	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	C. E. King.
Custer, Fort, Montana	26.69	677.9	30.02	762.5	25	— 3.9	84	w.	2	0.9	.....	0	2 s	.....	.....	0	0	clear.....	W. J. Daily.
Davenport, Iowa	29.25	743.2	29.94	760.5	38.0	3.3	82	ne.	5	2.2	.....	.....	fg.	.....	.....	0.06	1.5	dense fog....	R. R. Martin.
Davis, Fort, Texas	25.21	640.3	30.08	764.0	34.6	1.4	79	calm	0	0	.....	0	6 s	.....	sw.	0.01	0.3	fair.....	J. Williams.
Dayton, Washington T'y	28.22	716.8	30.04	763.0	38.2	3.4	100	sw.	16	7.2	.....	.....	10 n	.....	.....	0.31	7.9	light rain ...	T. Gibson.
Deadwood, Dakota	25.28	642.1	30.12	765.0	32.0	0.0	81	e.	2	0.9	.....	10 k	0	W.	.....	0	0	cloudy	G. W. Scott.
Delaware Breakwater, Del.	30.18	766.6	30.20	767.1	40.4	4.7	95	se.	26	11.6	.....	.....	10 n	.....	.....	0.11	2.8	light rain....	G. A. Martin.
Denver, Colorado	24.68	626.9	30.12	765.0	34.2	1.2	59	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	F. M. Neal.
Des Moines, Iowa	29.03	737.3	29.99	761.7	37.3	2.9	84	e.	4	1.8	.....	.....	10 n	.....	e.	0.16	4.1	light rain....	F. W. Conrau.
Detroit, Michigan	29.20	741.7	29.95	760.7	37.0	2.8	82	ne.	12	5.4	.....	.....	10 n	.....	ne.	0.15	3.8	light rain....	N. B. Conger.
Dodge City, Kansas	27.38	695 4	30.12	765.0	32.8	0.4	74	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	J. E. Lanouette.
Dubuque, Iowa	29.23	742.4	29.98	761.5	35.3	1.8	75	ne.	3	1.3	.....	.....	10 s	.....	.....	0.05	1.3	cloudy.....	J. Harvey Smith
Duluth, Minnesota	29.30	744.2	30.09	764.3	25.0	— 3.9	70	calm	0	0	.....	.....	10 s	.....	w.	0	0	cloudy	E. R. Brace.
Eastport, Maine	30.29	769.4	30.36	771.1	22.5	— 5.3	60	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	D. C. Murphy.
Elliott, Fort, Texas	27.23	691.6	30.06	763.5	40.0	4.4	67	sw.	3	1 3	.....	0	0	.....	.....	0	0	clear.....	J. C. Rickli.
El Paso, Texas	26.22	666 0	30.02	762.5	48.0	8.9	38	w.	2	0.9	.....	0	3 s	.....	.....	0	0	clear.....	F. Belford.
Erie, Pennsylvania	29.17	740.9	29.94	760.5	44.0	6.7	83	se.	13	5.8	.....	.....	10 n	.....	.....	0.16	4.1	light rain....	P. Wood.
Escanaba, Michigan	29.35	745.5	30.06	763.5	17.0	— 8.3	83	n.	8	3.6	.....	8 ck	0	nw.	.....	0	0	cloudy.....	L. M. Pindell.
Fort Smith, Arkansas	29.52	749.8	30.07	762.2	43.2	6.2	93	nw.	3	1.3	.....	.....	10 s	.....	n.	0	0	cloudy	J. B. Campbell.
Galveston, Texas	29.96	761.0	30.00	762.0	59.7	15.4	83	n.	13	5.8	.....	0	1 ks	.....	.....	0.18	4.6	clear.....	E. O'C. Macinerney
Grand Haven, Michigan	29.25	742.9	29.95	760.7	37.5	3.1	85	ne.	11	4.9	.....	.....	10 s	.....	ne.	0.27	6.9	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.18	639.6	30.01	762 2	41.4	5.2	60	se.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	Chas. A. Read.
Hatteras North Carolina	30.12	765.0	30.13	765.3	58.9	14.9	81	se.	9	4.0	.....	0	7 ks	.....	se.	0	0	fair.....	R. M. Crawford.

STATIONS.	Barometer, corrected for instrumental error and for temperature. Inch.	Barometer, corrected Mill.	Barometer, reduced to sea-level. Inch.	Barometer, reduced Mill.	Temperature of the air. Fah.	Temperature Cent.	Relative humidity. Per cent.	Wind Direction. From.	Wind Velocity Miles p. hr.	Wind Velocity Mtrs. p. sec	Wind Force. 0–10	Clouds Amount and kind. Upper. 0–10	Clouds Amount and kind. Lower. 0–10	Clouds Direction. Upper. From.	Clouds Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.64	651.2	29.96	761.0	33	0.6	68	n.	1	0.4	......	3 c	0	......	......	0	0	clear	S.W.Morrison.
Huron, Dakota	28.63	727.2	30.11	764.8	30.6	− 0.8	100	ne.	5	2.2	......	......	10s;fg	......	......	inap.	inap.	cloudy	S. W. Glenn.
Indianapolis, Indiana	28.97	735.8	29.81	757.2	46.3	7.9	90	ne.	6	2.7	......	......	10 n	......	ne.	0.07	1.8	light rain	C. F. R. Wappenhans.
Indianola, Texas	30.01	762.2	30.04	763.0	61.1	16.2	81	nw.	12	5.4	......	7 k	0	n.	......	0.02	0.5	fair	I. A. Reed.
Jacksonville Florida	30.01	762.2	30.06	763.5	69.4	20.8	92	s.	9	4.0	......	2 cs	7 s	......	s.	0.06	1.5	cloudy	J. W. Smith.
Keokuk, Iowa	29.26	743.2	29.95	760.7	36.2	2.3	100	n.	2	0.9	......	......	fg.	......	......	inap.	inap.	dense fog	F. Z. Gosewisch.
Key West, Florida	30.06	763.5	30.08	764.0	76	24.4	82	se.	11	4.9	......	1 cs	5 k	sw.	se.	0	0	fair	J.J.Lackey.
Kittyhawk, North Carolina	30.11	764.8	30.13	765.3	52.4	11.3	93	se.	12	5.4	......	......	10 n	......	......	0.01	0.3	light rain	Wesley Blake.
Knoxville, Tennessee	28.84	732.5	29.90	759.4	60.2	15.7	86	sw.	12	5.4	......	......	10 s	......	sw.	0.68	17.3	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.20	741.7	30.02	762.5	34.5	1.4	78	ne.	9	4.0	......	......	10 s	......	......	0.01	0.3	cloudy	S. C. Emery.
Leavenworth, Kansas	29.09	738.9	30.03	762.7	39	3.9	89	nw.	14	6.3	......	......	10 s	......	nw.	0.03	0.8	cloudy	C.Dill.
Lewiston, Idaho	29.15	740.4	30.01	762.2	47.0	8.3	68	nw.	2	0.9	......	......	10 s	......	......	0.10	2.5	cloudy	C. E. Butler.
Little Rock, Arkansas	29.61	752.1	29.94	760.5	51.0	10.6	83	nw.	5	2.2	......	0	0	......	......	0.07	1.8	clear	W.U.Simons.
Los Angeles, California	29.70	754.4	30.10	764.5	47.5	8.6	89	e.	4	1.8	......	0	0	......	......	0	0	clear	T. S. Collins.
Louisville, Kentucky	29.20	741.7	29.79	756.7	56.2	13.4	92	se.	1	0.4	......	......	10n;fg	......	......	0.33	8.4	light rain	E.B.Garriott.
Lynchburg, Virginia	29.34	745.2	30.06	763.5	44.0	6.7	88	ne.	4	1.8	......	......	10 n	......	ne.	0.90	22.9	light rain	Jno. Healy.
Mackinaw City, Michigan	29.41	747.0	30.11	764.8	23.0	− 5.0	73	ne.	10	4.5	......	0	9 s	......	......	0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.12	765.0	30.13	765.3	62.5	16.9	88	se.	16	7.2	......	0	9 s	......	sw.	0.06	1.5	cloudy	William Daly.
Maginnis, Fort, Montana	25.51	647.9	30.11	764.8	32.6	0.3	45	w.	10	4.5	......	0	0	......	......	0	0	clear	F. Burke.
Marquette, Michigan	29.33	745.0	30.10	764.5	26.5	− 3.1	82	s.	1	0.4	......	7 k	0	s.	......	0	0	fair	J. Gilligan.
Memphis, Tennessee	29.55	750.6	29.90	759.4	57.0	13.9	90	w	1	0.4	......	......	10 s	......	......	0.18	4.6	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.18	741.2	29.97	761.2	32.4	0.2	96	ne.	12	5.4	......	......	fg.	......	......	0.05	1.3	dense fog	S.W.Rhode.
Mobile, Alabama	29.91	759.7	29.95	760.7	61.6	16.4	94	s.	4	1.8	......	......	10 s	......	sw.	2.92	74.2	cloudy	H. U. Jones.
Montgomery, Alabama	29.71	754.6	29.95	760.7	61.6	16.4	93	se.	7	3.1	......	......	10 n	......	se.	1.31	33.3	light rain	S.M.Leitzell.
Moorhead, Minnesota	29.04	737.6	30.12	765.0	17.3	− 8.2	83	calm	0	0	......	......	10 s	......	......	0	0	cloudy	H. Bessant.
Mt. Washington, N. H.	23.85	605.8	30.37	771.4	17.0	− 8.3	78	nw.	20	8.9	......	10 cs	0	......	......	inap.	inap.	cloudy	J.H.Melton.
Nashville, Tennessee	29.25	742.9	29.85	758.2	58.8	14.9	93	sw.	8	3.6	......	......	10 n	......	sw.	0.58	14.7	light rain	L. N. Jesunofsky.
New Haven, Connecticut	30.23	767.8	30.35	770.9	32	0.0	72	ne.	2	0.9	......	......	10 s	......	......	0	0	cloudy	J. H. Sherman.
New London, Connecticut	30.33	770.4	30.38	771.6	33.0	0.6	78	nw.	4	1.8	......	......	10 s	......	......	0	0	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.85	758.2	29.91	759.7	61.7	16.5	85	ne.	4	1.8	......	0	9 ks	......	sw.	0.96	24.4	cloudy	M. Herman.
New York, New York	30.16	766.1	30.34	770.6	38.2	3.4	70	e.	4	1.8	......	......	10n;fg	......	e.	inap.	inap.	light rain	W.Finn.
Norfolk, Virginia	30.10	764.5	30.13	765.3	56.1	13.4	98	se.	8	3.6	......	......	10 n	......	sw.	0.08	2.0	light rain	Wm. Davis.
North Platte, Nebraska	27.04	686.8	30.10	764.5	25.6	− 3.6	75	w.	4	1.8	......	0	0	......	......	0	0	clear	E.F.Brady.
Olympia, Washington T'y	30.13	765.3	30.17	766.3	38.5	3.6	77	w.	3	1.3	......	0	0	......	......	0.15	3.8	clear	J. Dascomb.
Omaha, Nebraska	28.84	732.5	30.09	764.3	35.2	1.8	92	nw.	5	2.2	......	......	10 s	......	......	0.06	1.5	cloudy	A. Pollak
Oswego, New York	29.80	756.9	30.14	765.5	35.7	2.1	89	se.	14	6.3	......	......	10 n	......	se.	inap.	inap.	light rain	J. G. Linsley.
Palestine, Texas	29.48	748.8	30.05	763.3	48.4	9.1	84	nw.	4	1.8	......	2 cs	4 s	nw.	......	inap.	inap.	fair	P. T. Jenkins.
Pensacola, Florida	29.94	760.5	29.97	761.2	62.7	17.1	97	s.	11	4.9	......	......	10 s	......	s.	0.69	17.5	cloudy	M. McGauran.
Philadelphia, Pa.	30.17	766.3	30.27	768.8	40.0	4.4	100	ne.	8	3.6	......	......	10 n	......	......	0.10	2.5	light rain	T. F. Townsend.
Pike's Peak, Colorado	17.64	448.0	30.23	767.8	5.0	−15.0	69	nw.	10	4.5	......	0	0	......	......	0.01	0.3	clear	H. Hall.
Pittsburg, Pennsylvania	29.08	738.6	29.93	760.2	46.5	8.1	88	e.	9	4.0	......	......	10 n	......	s.	0.47	11.9	light rain	O. D. Stewart.
Poplar River, Montana	......	......	......	......	13.7	−10.2	......	......	......	......	......	......	10 s	......	......	0	0	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.25	742.9	29.97	761.2	33.0	0.6	92	ne.	8	3.6	......	......	10 n	......	......	0.03	0.8	light rain	M. H. Perry
Portland, Maine	30.34	770.6	30.40	772.1	29.6	− 1.3	68	nw.	2	0.9	......	hz.	sk.	......	......	0	0	clear	W. W. Eichelberger.
Portland, Oregon	30.04	763.0	30.11	764.8	42.5	5.8	78	s.	4	1.8	......	0	8 ks	......	......	0.15	3.8	cloudy	M. L. Hearne.
Prescott, Arizona	24.62	625.3	30.02	762.5	32.0	0.0	81	calm	0	0	......	0	0	......	......	0	0	clear	N. D. Lane.
Provincetown, Mass	30.38	771.6	30.41	772.4	34.0	1.1	88	s.	1	0.4	......	6 cs	0	......	......	0	0	fair	C. N. Kitchel.
Red Bluff, California	29.87	758.7	30.24	768.1	42.5	5.8	70	n.	6	2.7	......	0	0	......	......	0.26	6.6	clear	J. R. Williams.
Rio Grande City, Texas	29.87	758.7	30.11	764.8	52.0	11.1	90	n.	2	0.9	......	0	0	......	......	0	0	clear	L. G. Schultz.
Rochester, N. Y	29.39	746.5	30.09	764.3	35.8	2.1	100	se.	14	6.3	......	......	10n;fg	......	......	inap.	inap.	light rain	E. W. McGann.
Roseburg, Oregon	29.67	753.6	30.23	767.8	40.7	4.8	87	sw.	5	2.2	......	......	10 n	......	sw.	0.30	7.6	light rain	J. J. Nanry.
Sacramento, California	30.13	765.3	30.20	767.1	46.5	8.1	93	calm	0	0	......	0	0	......	......	inap.	inap.	clear	J. A. Barwick.
St. Louis, Missouri	29.26	743.2	29.91	759.7	46.8	8.2	98	nw.	11	4.9	......	......	10s;fg	......	nw.	0.45	11.4	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.93	760.2	29.97	761.2	− 4	−20.0	65	n.	23	10.3	......	0	0	......	......	0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.14	740.1	30.05	763.3	36.6	2.6	74	n.	6	2.7	......	......	10 n	......	n.	0.20	5.1	light rain	P. F. Lyons.
St. Vincent, Minnesota	29.21	741.9	30.15	765.8	16	− 8.9	83	calm	0	0	......	......	fg.	......	......	0	0	dense fog	C. B. Dilley.
Salt Lake City, Utah	25.44	646.2	29.96	761.0	45	7.2	53	calm	0	0	......	......	10 s	......	......	0	0	cloudy	J. Craig.
San Diego, California	29.99	761.7	30.06	763.5	53.0	11.7	89	ne.	8	3.6	......	3 k	0	nw.	......	0	0	clear	E. R. Day.
Sandusky, Ohio	29.17	740.9	29.89	759.2	37.	2.8	89	e.	13	5.8	......	......	10 n	......	......	0.20	5.1	light rain	B. F. Hough.
Sandy Hook, New Jersey	30.30	769.6	30.33	770.4	39.8	4.3	82	e.	17	7.6	......	......	10 n	......	e.	inap.	inap.	light rain	V.P.Chappel.
Sanford, Florida	30.00	762.0	30.05	763.3	72.5	22.5	79	s.	12	5.4	......	7 k	0	se.	......	0	0	fair	J. B. Marbury
San Francisco, California	30.14	765.5	30.20	767.1	48.7	9.3	78	n.	12	5.4	......	0	0	......	......	0.05	1.3	clear	N. Gorom.
Savannah, Georgia	29.94	760.5	30.04	763.0	67	19.4	87	s.	10	4.5	......	......	10 ks	......	s.	inap.	inap.	threatening.	H.W.Ford.
Shaw, Fort, Montana	26.19	665.2	29.99	761.7	26.5	− 3.1	77	w.	2	0.9	......	0	0	......	......	0	0	clear	A.L.Mathews
Shreveport, Louisiana	29.75	755.6	29.92	760.0	52.4	11.3	82	w.	8	3.6	......	0	8 k	......	sw.	inap.	inap.	cloudy	E.N.Meekins.
Sitka, Alaska	29.67	753.6	29.74	755.4	33	0.6	83	ne.	4	1.8	......	0	0	......	......	0	0	clear	F. W. Fickett.
Smithville North Carolina	30.02	762.5	30.06	763.5	62.3	16.8	90	s.	16	7.2	......	7 cs	3 s	w.	......	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.79	705.9	29.92	760.0	39.0	3.9	96	sw.	6	2.7	......	......	10 n	......	......	0.40	10.2	light rain	D.Moore.
Springfield, Illinois	29.18	741.2	29.90	759.4	41.5	5.3	92	n.	8	3.6	......	......	fg.	......	......	0.78	19.8	dense fog	T. B. Jennings.
Stockton, Fort, Texas	26.97	685.0	30.05	763.3	43.0	6.1	76	calm	0	0	......	0	0	......	......	inap.	inap.	clear	J.W.Byram.
Tatoosh Id., Wash. Ter	29.94	760.5	30.04	763.0	43.5	6.4	84	nw.	18	8.0	......	0	7ks;s	......	nw.	0.56	14.2	fair	R. Connor.
Thomas, Camp, Arizona	27.24	691.9	30.02	762.5	39.2	4.0	80	w.	......	......	1	0	1 s	......	......	0	0	clear	R. O. Lord.
Toledo, Ohio	29.14	740.1	29.88	758.9	34.3	1.3	98	ne.	12	5.4	......	......	10n;fg	......	ne.	0.09	2.3	light rain	A. Buell.
Unalashka, Alaska	29.71	754.6	29.73	755.1	21	− 6.1	70	nw.	30	13.4	......	......	10 n	......	nw.	0.09	2.3	light snow	Samuel Applegate
Vicksburg, Mississippi	29.70	754.4	29.96	761.0	56	13.3	93	sw.	3	1.3	......	......	fg.	......	......	0.39	9.9	dense fog	F.W.Mixer.
Washington, D. C.	30.03	762.7	30.15	765.8	39.9	4.4	94	e.	6	2.7	......	......	10 n	......	se.	0.65	16.5	heavy rain	T. B. Harrison.
West Las Animas, Colorado	26.00	660.4	30.07	763.8	25	− 3.9	85	w.	3	1.3	......	0	0	......	......	0	0	clear	F. H. Brandenburg
Wilmington, N Carolina	30.00	762.0	30.06	763.5	65.7	18.7	93	s.	11	4.9	......	4 c;ck	5k;s	sw.	s.	0	0	cloudy	L.H.Albrecht.
Yankton, Dakota	28.71	729.2	30.10	764.5	33.7	0.9	92	n.	3	1.3	......	......	9 k	......	nw.	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.78	756.4	29.93	760.2	54.7	12.6	80	calm	0	0	......	0	0	......	......	0	0	clear	W.S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.23	742.4	29.25	742.9	33.0	0.6	98	e.	7	3.1	......	......	10 n	......	......	0.13	3.3	cloudy	George Cheruick.
Bluefields, Nicaragua, C.A.	......	......	......	......	82	27.8	......	ne.	......	......	2	1 cs	4 k	......	ne.	0	0	fair	W. H. Jackson.
Bogota, U. S. C.	21.93	558.3	......	......	53.6	12.0	86	sw.	2	1	......	4 fc	2 k	n.	n.	0.071	1.8	......	Joaquin Gomez.
Chimo, Fort, Ungava	29.95	760.7	30.11	764.8	− 7	−21.7	100	nw.	14	6.3	......	0	0	......	......	0.09	2.3	clear	L.M.Turner.
Kingston, Jamaica, W. I.	......	......	30.08	764.0	71.0	21.7	80	calm	0	0	......	0	0	......	......	0.01	0.3	clear	Robert Johnston.
Paramaribo, S. A.	30.04	763.0	30.04	763.0	77	25.0	91	e.	......	......	2	5 k	8 ks	e.	e.	0.200	5.1	......	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.35	745.5	29.91	759.7	79	26.1	89	s.	......	......	1	......	10 ks	......	s.	0	0	cloudy	Francisco J. Olsu[illegible]
Rivas, Nicaragua, C. A.	......	......	......	......	75	23.9	85	ne.	......	......	1	......	......	......	......	0	0	clear	Earl Flint.
York Factory, B. A.	29.81	757.2	29.88	758.9	−26.0	−32.2	......	n	9	4.0	......	2 0	2 s	n.	n.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. (*Sub series*).																			
Colon	29.93	760.2	29.94	760.5	78.4	25.8	80	n	11.2	5.0	......	......	6 k	......	n.	0	0	fair	P.Fasiani.
Naos, Bay of Panama	29.88	759.0	29.95	760.7	72.7	22.6	91	nw.	......	......	4	......	......	......	......	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Assyrian Monarch, N. 48° 50′, W. 12° 15′	.....	.....	59	15.0	.....	wsw.	.....	.....	6	.....	8	.....	wsw.	2 h'r	2 h'r	mod.	wnw.	cloudy.
S. Armenia, N. 39° 20′, W. 71° —′ *	30.37	771.4	50	10.0	72	ese.	.....	.....	4	.....	10	.....	.....	0	0	sm'h	.....	overcast.
S. S. America, Bremerhaven, Germany	.....	.....	51	10.6	93	sw.	.....	.....	3	.....	2	.....	sw.	0	0	.....	.....	clear.
S. S. Athos, Cartagena, U. S. C	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S Bothnia N. 41° 02′, W. 63° 21′	30.37	771.4	52	11.1	93	wnw.	.....	.....	4	.....	2	.....	W.	0	0	mod.	s.	clear.
S. S. British Princess, N. 43° 50′ W. 41° 45′	.....	.....	.....	.....	.....	W.	.....	.....	6	.....	10	.....	W.	0	0	r'gh	w	overcast.
S. S. Britannic, N. 43° 40′, W. 42° 30′*†	29.86	758.4	53	11.7	.....	ssw.	.....	.....	6	.....	5	.....	W.	4 h'r	4 h'r	high	sw.	squally.
S. S. City of Augusta, Savannah, Ga†	30.10	764.5	.....	.....	.....	sse.	.....	.....	4	.....	10	.....	sse.	rain	rain	.....	.....	cloudy.
S. S. Caracas, Curacoa, W. I *†	30.01	762.2	79	26.1	82	e.	.....	.....	5	.....	3	.....	e.	0	0	light	ene.	fine.
S. S. Celtic, N. 41° 36′, W. 51° 15′†	29.92	760.0	48	8.9	63	nw.	.....	.....	6	.....	6	.....	nw.	3 h'r	3 h'r	h'vy	wnw.	squally.
S. Dora, N. 36° 21′, W. 63° 53′ *†	30.43	772.9	55.4	13.0	.....	nnw.	.....	.....	3	.....	4	.....	n.	0	0	light	nnw.	fair.
S. S. Canada, (Fr) N. 41° 45′, W. 63° 08′	.....	.....	33.8	1	.....	wnw	.....	.....	6	.....	10	.....	.....	.....	.....	.....	wnw.	overcast.
S. S. Devonia, N. 50° 24′, W. 32° 06′†	30.07	763.8	42	5.6	.....	wsw.	.....	.....	4	.....	9	.....	wsw.	2 h'r	2 h'r	long	w.	cloudy.
S. S. England, N 45° 24′, W. 35° 52′	30.10	764.5	.....	.....	.....	sw.	.....	.....	5	.....	0	.....	.....	0	0	mod.	w.	clear.
S. S. Elysia, N. 38° 34′, W. 16° 08′ *...	30.12	765.0	57.5	14.2	100	n.	.....	.....	4	.....	3	.....	n.	0	0	mod.	nw.	clear.
Bk. Fred. W. Carlon, N. 39° 40′, W. 73° 40′†	30.31	769.9	.....	.....	.....	ese.	.....	.....	4	.....	4	.....	e.	1 h'r	1 h'r	mod.	ese.	cloudy.
S. S. Fulda, N. 42° 35′, W. 46° 16′	29.82	757.4	41.9	5.5	100	wnw.	.....	.....	5	.....	9	.....	wnw.	3 h'r	3 h'r	r'gh	wnw.	cloudy.
S. S. Gellert, N. 40° 51′, W. 46° 45′	29.82	757.4	48.0	8.9	100	wnw.	.....	.....	5	.....	4	.....	.....	3 h'r	3 h'r	r'gh	w.	fair.
S. S. George S. Thomas, N. 32° 47′, W. 69° 17′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	4	.....	nw.	0	0	sm'h	nnw.	fair.
S. S. Greece, N. 41° 50′, W. 44° 08′ †	29.89	759.2	57	13.9	.....	ssw.	.....	.....	6	.....	10	.....	sw.	7 h'r	7 h'r	mod.	sw.	rainy.
S. S Habsburg, N. 47° 23′, W. 33° 46′	30.21?	767.3?	.....	.....	.....	wsw.	.....	.....	4	.....	4	.....	wsw.	8 h'r	8 h'r	mod.	w.	fair.
S S. Iowa, N. 42° 19′, W. 53° 35′ †	29.95	760.7	34	1.1	.....	w.	.....	.....	6	.....	9	.....	W.	4 h'r	4 h'r	r'gh	w.	cloudy.
Schr. John Bracewell, N. 42° 40′, W. 70° 41′ †	30.41	772.4	28	— 2.2	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Lord Clive, N. 41° 12′, W. 53° 54′	.....	.....	.....	.....	.....	wnw.	.....	.....	6	.....	9	.....	wnw.	2 h'r	2 h'r	high	w.	cloudy.
Bg. L. F. Munson, Matanzas, Cuba, W. I*†	30.13	765 3	75	23.9	.....	s.	.....	.....	4	.....	4	.....	s.	0	0	.....	.....	fair.
S. S. Main, N. 41° 08′, W. 47° 45′	29.88	758.9	50.0	10	.....	nnw.	.....	.....	4	.....	6	.....	nw.	4 h'r	4 h'r	mod.	nnw.	fair.
S. S. Nessmore, N. 51° 06′, W. 10° 30′	.....	.....	56	13.3	86	sw.	.....	.....	6	.....	5	.....	wnw.	6 h'r	6 h'r	mod	w.	gloomy.
S. S. Orinoco, New York, N. Y †	.....	.....	42	5.6	.....	ene.	.....	.....	2	.....	10	.....	.....	1 h'r	1 h'r	.....	.....	drizzling
Bk. Orpheus, N. 41° 19′, W. 57° 29′ *	30.10	764.5	40	4.4	.....	nw.	.....	.....	7	.....	9 k	.....	nw.	0	0	long	nw.	cloudy.
S. S. Pavonia, N. 49° 12′, W. 27° 17′	30.12	765.0	51	10.6	79	wnw.	.....	.....	5	.....	2	.....	n.	0	0	light	wnw.	clear.
S. S. Pennsylvania, Liverpool, England†	29.99	761.7	55	12.8	87	w.	.....	.....	3	.....	5	.....	w.	0	0	.....	.....	fine.
S. S. Rhaetia, N. 41° 40′, W. 60° 29′	30.43	772.8	37	2.8	.....	nw.	.....	.....	5	.....	6	.....	nw.	0	0	mod	wnw.	fair.
S. S. State of Georgia. N. 41° 23′, W. 49° 03′	.....	.....	41	5.0	.....	wnw.	.....	.....	6	.....	8	.....	nw.	snow	snow	mod	wsw.	fair.
S. S. Salerno, N. 49° 18′, W. 9° 44′ †	30.05	763.3	56	13.3	.....	ssw.	.....	.....	3	.....	10	.....	ssw.	0	0	mod.	w.	hazy.
S. S. Switzerland, N. 47° 03′, W. 17° 54′*†	30.07	763.8	.....	.....	.....	w	.....	.....	3	.....	5	.....	n.	2 h'r	2 h'r	r'gh	w.	threatening.
S. S. Samaria, Liverpool, Eng	.....	.....	50	10.0	.....	ssw.	.....	.....	2	.....	.....	.....	sw.	0	0	sm'h	.....	fine.
S. S. Silesia, N. 41° 05′, W. 66° 14′	30.45	773.4	.....	.....	.....	nw.	.....	.....	2	.....	2	.....	wnw.	0	0	sm'h	wnw.	clear.
S. S. The Queen, N. 40° 29′, W. 54° 09′	.....	.....	44	6.7	92	nnw.	.....	.....	6	.....	8	.....	nw.	3 h'r	3 h'r	long	wnw	squally.
Bg. Teneriffe, N 39° 30′, W. 73° 30′	.....	.....	.....	.....	.....	se.	.....	.....	4	.....	10	.....	.....	light	light	2	.....	.....
S. S. Valencia, N. 17° 35′, W. 68° 06′†	30.12	765.0	78.5	25.8	78	e.	.....	.....	5	.....	3	.....	e.	2 h'r	2 h'r	h'vy	e.	clear.
S. S. Westernland, N. 40° 19′ W. 56° 26′	30.13	765.3	45	7.2	76	nw.	.....	.....	6	.....	10	.....	nw.	12 h'r	12 h'r	high	nnw.	cloudy.
S. S. W. A. Scholten, N. 40° 45′, W. 67° 37′	30.38?	771.6?	45.7	7.6	70	e.	.....	.....	1	.....	10	.....	e.	16 h'r	16 h'r	3	w.	
S. S. Weser, N. 39° 46′, W. 54° 57′	30.11	764.8	46.4	8.0	.....	nw.	.....	.....	5-6	.....	10	.....	wnw.	8 h'r	8 h'r	h'vy	nw.	rain & hail.
S. S. Zeeland, N. 40° 20′, W. 52° 07′*†	29.94	760.5	46	7.8	.....	nw.	.....	.....	6	.....	5	.....	nw.	.....	.....	h'vy	.....	squally.
S. S. Cienfuegos, N. 19° 52′, W. 75° 00′	30.14	765.5	77	25.0	.....	ene.	.....	.....	6	.....	1	.....	ene.	0	0	small	ene.	clear
S. S. Anchoria, N. 41° 23′, W. 46° 37′	.....	.....	.....	.....	.....	nw	.....	.....	3	.....	5	.....	n.	4 h'r	4 h'r	sli't	w	fair.
S. S. Erin, London, Eng	.....	.....	56	13.3	.....	nnw.	.....	.....	5	.....	10?	.....	sw.	0	0	.....	.....	clear.?
S. S. Grecian, N. 55° 25′, W. 9° 00′	29.67	753.6	48	8.9	92	sse.	.....	.....	5	.....	10	.....	.....	4 h'r	4 h'r	mod	sw.	hazy.
Bg. John Wesley, Laguale Grande, Cuba, W. I	.....	.....	.....	.....	.....	s.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....	clear.
S. S. Lone Star, N. 26° 50′, W. 79° 50′ *†	30.16	766.1	76	24.4	.....	se.	.....	.....	3	.....	4	.....	se.	0	0	small	se.	clear,
S. S. Ohio, (Am) N. 50° 04′, W. 15° 24′†	29.80	756.9	47.5	8.6	96	sw.	.....	.....	7	.....	5?	.....	sw.	2 h'r	2 h'r	h'v'y	sw.	overcast.?
Bgt. Sunlight, N. 9° 27′, W. 59° 00′	.....	.....	.....	.....	.....	ne.	.....	.....	4	.....	9	.....	ne.	½ h'r	½ h'r	mod	ne.	cloudy.
Schr. Viola Reppard, N. 29° 02′, W. 73° 37′ †	30.33	770.4	70	21.1	.....	ene.	.....	.....	4	.....	2	.....	ene.	0	0	sm'h	ene.	clear.
U. S. S. Kearsarge, Alexandria. Egypt	30.27	768.8	63	17.2	62	nw.	.....	.....	2	.....	5	.....	nw.	.....	.....	.....	.....	fair.
U. S. S. Lancaster, Alexandria, Egypt	30.27	768.8	61	16.1	71	nw.	.....	.....	3	.....	8	.....	nw.	.....	.....	sm'h	.....	fair.
U. S. S. Alliance, St. Pierre, Martinique, W. I	30.07	763.8	77	25.0	73	ne.	.....	.....	1	.....	2	.....	ne.	hv'y	hv'y	sm'h	.....	clear
U. S. S. Galena Port au Prince, Hayti, W.I*	30.07	763.8	73	22.8	76	e.	.....	.....	1	.....	2	.....	e.	.....	.....	sm'h	.....	fair.
U S. S. Jamestown, Pointe à Pitre, Guadeloupe, W.I.	30.10	764.5	78	25.6	69	ene.	.....	.....	1	.....	5	.....	ne.	.....	.....	.....	.....	fair.
U. S. S. Portsmouth, Fort de France, Martinique, W.I	30.04	763.0	74	23.3	90	ne.	.....	.....	3	.....	8	.....	ne	.....	.....	.....	.....	cloudy.
U. S. S. Saratoga, N. 38° 34′, W. 43° 26′	30.01	762.2	58	14.4	88	sw.	.....	.....	6	.....	10	.....	sw.	light	light	mod.	sw.	overcast.
U. S. S. Swatara, N. 11° 04′, W. 79° 15′	29.94	760.5	78	25.6	91	ene.	.....	.....	4	.....	2	.....	ene.	0	0	sm'h	.....	clear.
U. S. S. Yantic, N. 26° 49′, W 79° 40′	30.18	766.6	75	23.9	86	sse.	.....	.....	4	.....	5	.....	.....	.....	.....	mod.	se.	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.22	767.6	62	16.7	61	W.	.....	.....	3	.....	1	W.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Alecto, N. 4° 32′, E. 8° 25′	29.86	758.4	84	28.9	.....	var.	.....	.....	1	.....	6	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.27	768.8	65	18.3	68	wnw.	.....	.....	3	.....	3	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, Marmaras Bay, Asia Minor	30.14	765.5	62	16.7	46	sw.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H M. S. Myrmidon, Alexandria, Egypt	30.25	768.3	59	15.0	62	W.	.....	.....	3	.....	2	.....	.....	.....	.....	2	w.	d. clouds.
H. M. S. Tyne, N. 43° 40′, W. 9° 34′	30.09	764.3	59.5	15.3	85	s.	.....	.....	2	.....	0	.....	.....	.....	.....	2	sw.	misty.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	30.05	763.3	72.5	22.5	70	ne.	.....	.....	3	.....	3	.....	sw.	0	0	2	ne.	d. clouds.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	.....	.....	77.4	25.2	90	sse.	.....	.....	6	.....	10	.....	se.	5 h'r	5 h'r	7	ne.	thnd'r st'rm.
S. S. British Crown, N. 51° 05′, W. 17° 40′	.....	.....	.....	.....	.....	wnw.	.....	.....	8	.....	8	.....	wnw.	6 h'r	6 h'r	high	wnw.	squally.
S. S. Circassian, N. 53° 22′ W. 16° 15′	.....	.....	50	10.0	100	s.	.....	.....	6	.....	10	.....	s.	.....	.....	4	s.	drizzling.
S. S. Polynesian, N. 46° 03′, W 40° 28′	29.96	761.0	46	7.8	.....	s.	.....	.....	4	.....	8	.....	sw.	0	0	mod.	sw.	cloudy.
S. S. Scandinavian, N. 44° 38′, W. 43° 53′	29.73?	755.1?	52	11.1	.....	sse.	.....	.....	8	.....	10	.....	wsw.	6 h'r	6 h'r	cross	var.	raining.
S. S. Ailsa, Kingston, Jamaica, W.I.	.....	.....	77.5	25.3	91	ne.	.....	.....	1	.....	2	.....	ne.	0	0	.....	.....	fair.
S. S. Alps, N. 22° 58′, W. 67° 07′	.....	.....	79	26.1	.....	ese.	.....	.....	5	.....	1	.....	ese.	0	0	sm'h	e.	fine.
S. S. Dorian, Castel-a-Mare, Italy	30.17	766.3	.....	.....	.....	var.	.....	.....	1	.....	.....	.....	.....	0	0	.....	.....	
S. S. Galatia, Genoa, Italy*†	30.30	769.6	72?	22.2?	.....	sse.	.....	.....	2	.....	6	.....	sse.	0	0	.....	.....	cloudy.
S. S. Carroll, N 43° 16′, W. 66° 00′	.....	.....	30	— 1.1	.....	ne.	.....	.....	1	.....	0	.....	.....	snow	snow	short	wnw.	clear.
S. S. California, N. 48° 56′, W. 15° 56′	.....	.....	64.3?	17.9?	.....	nw.	.....	.....	6	.....	2	.....	nnw.	0	0	long	nw.	clear.
S. S. Labrador, N. 47° 55′, W. 26° 00′	.....	.....	50.0	10	.....	nw.	.....	.....	5	.....	2	.....	n.	rain	rain	r'gh	nw.	clear.
S. S. Wyoming, N. 40° 37′, W. 68° 17′	30.42	772.7	40	4.4	.....	e.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	fine.
S. S. Westphalia, Lizard Pt. Eng	30.04	763.0	53	11.7	.....	s.	.....	.....	3	.....	2	.....	w.	0	0	sm'h	ssw.	clear.
S. S. Virginian, N. 42° 21′, W. 66° 00′	.....	.....	44	6.7	.....	ene.	.....	.....	4	.....	.....	.....	ese.	4 h'r	4 h'r	mod.	ese.	misty.
S. S. Teniers, N. 40° 01′, W. 13° 01′	30.14	765.5	58.5	14.7	82	ne.	.....	.....	6	0	2 k	.....	.....	0	0	4	n.	blue sky.
S. S. Archimede, (It) N. 37° 09′, W. 51° 32′ †	30.05	763.3	64	17.8	.....	nw.	.....	.....	5	.....	4	.....	nw.	4 h'r	4 h'r	h'vy	wnw.	fair.
S. S. Picqua, N. 36° 58′, E 10° 21′	.....	.....	59	15.0	100	var.	.....	.....	4	.....	.....	.....	.....	6 h'r	6 h'r	.....	ene.	clear.
S. S. Oregon, (Br.) N. 41° 06′, W. 46° 32′	29.87	758.7	46	7.8	.....	nw.	.....	.....	5	.....	10	.....	nw.	6 h'r	6 h'r	mod.	wnw.	cloudy.
S. S. City of Merida, N. 19° 11′, W. 96° 08′	.....	.....	73.4	23	.....	nw.	.....	.....	2	.....	10	.....	nw.	0	0	light	n.	cloudy.
S. S. Canada, (Br) N. 48° 24′, W. 17° 27′†	29.98	761.5	53	11.7	.....	wnw.	.....	.....	6	.....	5	.....	wnw.	4 h'r	4 h'r	r'gh	var.	showery.
S. S. Neckar, N. 40° 48′, W. 53° 20′	.....	.....	41.0	5.0	76	var.	.....	.....	6-7	.....	8	.....	nw.	rain	rain	cross	nw.	h'vy squalls
S. S. Belgenland, N. 41° 06′, W. 45° 26′	.....	.....	54	12.2	87	wnw.	.....	.....	6	.....	.....	.....	nw.	0	0	mod.	nw.	cloudy.
S. S. Pennland, N. 50° 10′ W. 4° 10′	30.05	763.3	52	11.1	.....	sse.	.....	.....	3	.....	6	.....	se.	8 h'r	8 h'r	sm'h	ssw.	misty.
S. S. Waesland, New York, N. Y.	30.30	769.6	41	5.0	.....	ene.	.....	.....	5	.....	10	.....	.....	0	0	.....	.....	overcast.
S. S. Amsterdam, New York, N. Y.	.....	.....	.....	.....	.....	ne.	.....	.....	4	.....	8	.....	ne.	.....	.....	.....	.....	raining.
S. S. P. Caland, N. 44° 36′, W. 32° 07′	30.16	766.1	53.2	11.8	63	ese.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	
S. S. Zaandam, N 43° 40′, W. 42° 26′	.....	.....	58.5	14.7	89	ssw.	.....	.....	6	.....	8	.....	ssw.	3 h'r	3 h'r	h'v'y	ssw.	rainy.
S. S. State of Nebraska, N. 42° 06′, W. 58° 35′*†	30.06	763.5	26	— 3.3	.....	wnw.	.....	.....	6	.....	8	.....	nw.	0	0	short	w.	squally.
S. S. Saxon, Philadelphia, Pa	.....	.....	40	4.4	.....	nne.	.....	.....	2	.....	10	.....	.....	rain	rain	.....	.....	raining.
S. S. Lepanto, N. 47° 06′, W. 7° 41′	30.07	763.8	57	13.9	.....	s.	.....	.....	4	.....	6	.....	nw.	0	0	h'vy	w.	hazy.
S. S. Marengo, N. 52° 47′, E. 1° 57′†	30.03	762.7	56	13.3	.....	wsw.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
Schr. Arthur Burton, N. 17° 40′, W 67° 30′†	30.06	763.5	.....	.....	.....	se.	.....	.....	4	.....	2	.....	e.	0	0	chop	e.	fine.
Bk. Aureola, N. 39° 15′, W. 67° 00′. †	30.43	772.9	45	7.2	76	ese.	.....	.....	2	.....	5	.....	ne.	0	0	sm'h	.....	fair.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bg. Abbie Clifford, N. 30° 24′ W. 58° 23′			67	19.4		nnw.			4		2					mod.	nnw.	fair.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	30.02	762.5	79	26.1		ene.			9		6†		ene.	0	0			clear.?
S. Annie, N. 25° 44′, W. 67° 01′ *	30.22	767.6				ene.			5		3		ene.	0	0	mod.	ene.	clear.
Schr. Abbie H. Gheen, Springwood Mills, S. C. *†	30.09	764.3	60	15.6		sw.			2									rainy.
Bk. Alpha, N. 19° 15′, W. 30° 00′ *†	30.10	764.5	72	22.2		e.			4		4		e.	0	0	sm'h		clear.
Bk Achille F., N. 1° —′, W. 32° —′ *†	29.97	761.2	83	28.3	85	nne.			3		3			0	0	mod	nne.	fair.
Bk. Bore, N. 27° 04′, W. 21° 03′ *†	30.15	765.8	68	20.0		nne.			3		9		nne.	0	0	sm'h	n.	cloudy.
S. S. Braeadale, N. 50° 40′, E. 0° 32′			54	12.2		w.			5		1		n.;w.	0	0	light	w.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana *†.	29.99	761.7	80	26.7		calm			4		6		ene.	1 h'r	1 h'r			fair
Bk. Cato, N. 41° 02′, W. 8° 50 †	30.11	761.8	60	15.6	94	e.			0					0	0			hazy.
Bk. C. S. Bushnell, N. 39° 18′, E. 12° 24′	30.29	769.4				ese.			3		5		ese.	0	0	sm'h		hazy.
S. David Stewart, N. 22° 08′, W. 69° 41′			80	26.7		e.			5		5		ese.	0	0	cross	s.;e.	fair.
Schr. Edith R. Seward, Orchilla Island, Venezuela			80	26.7		ene.			3		5		ene.	0	0			fair.
Bk. Esmeralda, N. 59° 15′, E. 0° 02′	29.63	752.6				w.			9		2		w.	0	0	h'vy	w.	hazy.
U. S. Fish Com. S. S. Fish Hawk, Fernandina, Fla †	30.04	763.0	62	16.7		calm			0		2			0	0	mod	e.	clear.
S. Grecian, N. 7° 20′, W. 41° 18′ †	30.08	764.0	80	26.7	82	ene.			5		6	nw.	ne.	0	0	mod.	nne.	fair.
Bk. Galeon, N. 26° 20′, W. 15° 00′			66	18.9		n.			3		2		n.	0	0		nnw	blue sky.
Bk. Heinrich & Tonio, N. 40° 30′, W. 26° 50′ *†	30.31	769.9	57	13.9	69	calm			0		0			2 h'r	2 h'r	light	nw.	clear.
Bk. Hattie G. McFarland, Aspinwall, U. S. C.			79	26.1		ne.			4		6		ne.	0	0			
S. Henry Failing, N. 14° 27′, W. 43° 02′			75	23.9	100	ne.			4		7		e.	2 h'r	2 h'r	mod.	ne.	cloudy.
Schr. Jennie N. Huddell, Smithville, N. C †	30.10	764.5	64	17.8		ase			5		10		ssw.	0	0			cloudy.
Bg. John Welsh, jr., Barbadoes, W. I.						ene.			5									
Schr. John Bird, Zaza, W. I *†	30.11	764.8				ne.			1		0			0	0			clear.
Schr. Jenny Greenbank, Ciudad, Venezuela			77	25.0		ne.			2		5		ne.	1 h'r	1 h'r			fair.
Bg. L. & W. Armstrong, N. 15° 54′, W. 61° 48′ †	30.04	763.0				ne.			3		1		ene.	1 h'r	1 h'r	sm'h	e.	fine.
Light-house tender Laurel, Key West, Fla †	30.06	763.5	76	24.4		ene.			1–2		8		se.	0	0			threatening.
S. S. Madrid, Benisa, Spain						n.			1		5†		n.	7 h'r	7 h'r			cloudy.†
Schr. Maggie Abbott, Gonaives, Hayti, W. I *†	30.04	763.0							2		0			0	0			clear.
Bk. Rosalie, N. 50° 16′, W. 9° 41′ *†	29.85	758.2				ssw.			6		9		wsw.	1¼ hr	1¼ hr	high	wsw.	cloudy.
Bk. Rosina, N. 40° 09′, W. 31° 55′	30.27	768.8	57	13.9		calm			0		6		se.	0	0	large	n.	cloudy.
Bk. Sunbeam, Lisbon, Portugal †	30.03	762.7	64	17.8	82	ene.			6		0			0	0			clear.
S. Stephen D. Horton, N. 50° 01′, W. 15° 30′						nw.			9		10		nw.	4 h'r	4 h'r	cross	var.	raining.
S. Tsemogora, N. 38° 41′, W. 39° 12′ *†	30.20	767.1				ssw.			4		7		ssw.	0	0	long	nw.	overcast.
Bk. Tros, N. 24° 17′, W. 35° 00′ *†	30.24	768.1	71	21.7		ene.			4		2		ne.	0	0	sm'h	une.	clear.
S. Vincenzo Accame, N. 38° 02′, E. 7° 31′ †	30.09	764.3	62.6	17		e.			6		0			c	0	r'gh	e.	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, S. Africa	29.97	761.2	68	20.0	74	n.	6	2.7			5		n.	0	0	sm'h		fair.
U. S. S. Pensacola, S. 18° 18′, W. 2° 44′	30.12	765.0	76	24.4	60	e.			4		2			light	light	sm'h		clear.
H. M. S. Amethyst, S. 45° 33′, W. 60° 18′	29.66	753.4	58.5	14.7	61	w.			4		4	w.				2	w.	d clouds.
H. M. S. Boadicea, Congo river, Guinea	29.80	756.9	98	36.7	92	ssw.			2		2	sse.						blue sky.
H. M. S. Opal, Table Bay, Cape Colony	30.12	765.0	67	19.4	89	ese.			4		7	ese.						d. clouds.
H. M. S. Sylvia, Montevideo, Uruguay	30.14	765.5	67.5	19.7	68	n.			2		3							blue sky.
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela.	29.95	760.7	74.3	23.5	80	wnw.			2		8			0	0	2		d. clouds.
S. S. Archimedes, (Br) S. 20° 33′, W. 39° 35′	30.05	763.3				nnw.			2		4		ne.	0	0	light	var.	fine.
S. S. Hevelius, S. 13° 00′, W. 38° 00′ *†	30.10	764.5	84	28.9		ene.			3		4		ene.	0	0	sm'h		clear.
S. S. Rosse, S. 16° 55′, W. 38° 07′	29.94	760.5	80	26.7	78	ne.			5		4		ne.	0	0			fine.
S. Frank N. Thayer, S. 1° 13′, W. 25° 28′ *†	29.94	760.5	80.5	26.9	89	e.			1		8			3 h'r	3 h'r	light	n	gloomy.
S. Gatherer. S. 1° 28′, W. 27° 45′ †	29.92	760.0	83	28.3	87	ese.			1		7		ese.	10 minutes		sm'h	n.	cloudy.
Bk. Horace Scudder, Cape Lopez, Guinea *†	30.10	764.5	75	23.9		w.			3					5 h'r	5 h'r			drizzling.
S. Ismir, S. 17° 00′, W. 27° 45′ *†	29.91	759.7				se.			4		4		se.	rain	rain		se.	fine.
Schr. Jas. Slater, Para, Brazil *†	30.18	766.6	82	27.8		calm			0		0			0	0			clear.
Bkt. Levanter, S. 31° 18′ W. 41° 55′ *	30.07	763.8	75	23.9		n.			2		7		n.	0	0	light	n.	fair.
S. S. Mendoza, S. 5° 42′, W. 34° 04′ †	30.00	762.0				s.			1				se.	8 h'r	8 h'r	sm'h	nne.	clear.
U. S. S. Shenandoah, Montevideo, Uruguay *	30.24	768.1	67	19.4	95	ne.			3		2		e.			sm'h		fair.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan			43	6.1	71	calm			0		10		w.	0	0			gloomy.
U. S. S. Alert, Shanghai, China	30.20	767.1	47	8.3	77	e.			2		8		ene.					cloudy.
U. S. S. Essex, Nagasaki, Japan	30.14	765.5	49	9.4	78	ese.			2		0					sm'h		clear.
U. S. S. Juniata, Roze Island, Corea	30.16	766.1	42	5.6	66	w.			1		0			0	0			clear.
U. S. S. Palos, Shanghai, China	30.18	766.6	44	6.7	92	se.			1		0							clear.
H. M. S. Audacious, Hong Kong, China	30.07	763.8	60	15.6	94	calm			0		0	e.						thund'r st'm
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.11	764.8	56	13.3	87	calm			0		10					sm'h		overcast.
H. M. S. Champion, Shanghai, China	30.25†	768.3†	51†	10.6†	86	nne.			1		0							blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 43′	30.13	765.3	51.8	11.0	78	ne.			3		10					2	e.	misty.
H. M. S. Magpie, N. 1° 17′, E. 103° 51′	29.85	758.2	82.7	28.2	78	n.			1		3	se.						blue sky.
H. P. M. S. Tamega, Macao, China	30.11	764.7	62.6	17	95	nw.			1		10			16 h'r	16 h'r			thund'r st'm
U. S. S. Monocacy, Canton, China	30.05	763.3	64	17.8	78	n.			1		10		n.					cloudy.
S. S. Newbern, Guaymas, Mexico *†	30.02	762.5	65	18.3	49	s.			1		0			0	0			clear.
S. S. City of Chester, San Francisco, Cal †	30.19	766.8	48	8.9	85	nw.			4		0			0	0			
S. S. Columbia, N. 37° 47′, W. 143° 30′ *†	30.25	768.3	49	9.4	75	nnw.			2		0					mod.	nw.	clear.
S. S. Oregon, Portland, Oregon †	30.16	766.1	43	6.1	92	calm			0		10		sw.					cloudy.
S. S. Alameda, N. 29° 43′, W. 142° 30′ †	30.15	765.8	64	17.8	83	sse.			4		10		se.	0	0	light	w.	overcast.
S. S. Ancon, Pt. Fermin, Cal †	30.07	763.8	58	14.4	82	w.			2		0			0	0	sm'h	wnw.	clear.
S. S. State of California, San Francisco, Cal †	30.19	766.8	47	8.3	86	nnw.			3		0							clear.
S. S. Australia, N. 35° 38′, W. 129° 01′	30.34	770.6	53	11.7	73	wsw.			4		2		w.	0	0			clear.
S. S. City of Pekin, N. 28° 32′, E. 125° 42′ †	30.03	762.7	56	13.3	69	nne.			3		2		n.	0	0	sm'h		clear.
S. S. City of Rio de Janeiro, N. 28° 46′, W. 144° 43′ †	30.07	763.8	67	19.4		se.			2				e.			mod.	var.	cloudy.
S. S. City of Tokio, N. 32° 46′, E. 178° 47 †	30.25	768.3	60	15.6	82	ssw.			2		10		ssw.			long	sw.	hazy.
S. S. Colima, N. 28° 53′, W. 116° 08′ †	30.07	763 8	62	16.7	82	nw.			4		4		nw.	0	0	mod.	nw.	clear.
S. S. Granada, N. 9° 42′, W. 85° 22′ †	29.88	758.9	78	25.6	86	ese.			2		0			0	0	light	ese.	clear.
S. S. San Blas, N. 25° 44′, W. 113° 23′ †	29.99	761.7	62	16.7	77	wnw.			3		10		nw.	0	0	mod.	nw.	cloudy.
S. S. San Jose, N. 16° 17′, W. 97° 03′ †	29.96	761.0	78	25.6	95	wnw.			2		0			0	0	small	w.	clear.
S. S. Zealandia, N. 26° 51′, W. 148° 06′	30.05	763.3	70	21.1	75	e.			0		0					mod.	w.	clear
S. S. Benalder, N. 23° 15′, E. 117° 30′	30.12	765.0	59	15.0	76	ne.			4		6		ne.	0	0	mod.	ne.	cloudy.
S. S. Port Phillip, N. 0° 24′, E. 144° 34′	29.90	759.4	80.6	27	84	nne.			2–5		1 ks		ne.	0	0			blue sky.
U. S. S. Richmond, Woosung, China	29.93	760.2	86	30.0	88	w.			3							light	e.	cloudy.
S. S. Oceanic, N. 34° 37′, W. 174° 00′	30.19	766.8	49	9.4	85	ese.			3		2		ese.	0	0			clear.
	30.24	768.1	59	15.0	76	w.			4		5		sw.	0	0	4		fair.
District No. 4—South Pacific.																		
U. S. S. Plata, S. 48° 03′, W. 74° 36′	29.62	752.3	50	10.0	72	n.			3		10		nw.					cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	29.95	760.7	60	15.6	88	calm			0		0							clear.
H. M. S. Espiegle, S. 36° 50′, E. 174° 49′	29.90	759.4	67	19.4	84	e.			5–6		9							squally.
H. M. S. Lark, S. 36° 55′, E. 179° 50′	29.92	760.0	62.3	16.8	74	ne			4		5					2	ne.	squally.
H. M. S. Mutine, Callao, Peru	29.90	759.4	67	19.4		calm			0		10							foggy.
S. S. City of Sydney, Sydney, N. S. W *†	29.98	761.5	74	23.3	95	se.			3		5	se.				2	sse.	d. clouds.
U. S. S. Onward, Callao Bay, Peru *†	30.08	764.0	65	18.3	78	calm			0		10 n							light rain.
U. S. S. Iroquois, Coquimbo, Chili	30.00	762.0	67	19.4	100	calm			0		10					long	w.	foggy.
U. S. S. Lackawanna, Callao, Peru	29.96	761.0	60	15.6	88	nw.			1		10		nw.					cloudy.
	29.88	758.9	68	20.0	95	calm			0		5		se.					foggy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 17° 13′, E. 66° 24′	29.95	760.7	83	28.3	79	nnw.			3		0					sm'h		clear.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.92	760.0	83	28.3	79	calm			0		0							blue sky.
S. Orealia, S. 20° 10′, E. 75° 58′ *	30.01	762.2				e.			6		5		e.	2 h'r	2 h'r	mod.	se.	fair.

International Chart I. March 19, 1884. Isobars and Isotherms.



By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 20, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.98	761.4	61.2	16.2	81	se.	.....	.....	2	.....	10	.....	.....	0.701	17.8	covered	Rozière.
Algiers	.....	.....	29.97	761.3	64.4	18.0	71	se.	.....	.....	2	.....	0	.....	.....	0.039	1.0	clear	Thévé.
La Calle	.....	.....	29.99	761.7	64.8	18.2	73	s.	.....	.....	5	.....	5	.....	.....	0.079	2.0	cloudy	Fonfrède.
Tunis	.....	.....	30.11	764.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.00	762.1	57.2	14.0	67	n.	.....	.....	1	.....	0	.....	.....	0.130	3.3	clear	Forfert.
Laghouat	.....	.....	30.10	764.5	66.6	19.2	.....	s.	.....	.....	1	.....	6	.....	.....	0	0	cloudy	Abraham.
Biskra	.....	.....	30.06	763.4	73.4	23.0	71	calm	.....	.....	0	.....	0	.....	.....	0	0	clear	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.12	765.0	63.8	17.7	52	calm	0	0	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.98	761.5	30.17	766.3	50.5	10.3	85	sw.	10	4.5	.....	.....	3	.....	nw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.07	763.8	30.16	766 0	51.5	10.8	72	sse.	6	2.7	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.45	748.0	29.98	761 6	67.1	19.5	21	sw.	.....	.....	5	.....	0	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.07	738.4	29.83	757.7	57.6	14.2	61	w.	6.9	3.1	.....	.....	7	.....	.....	0	0	.....	Dr. Wiersbiski
Eperies	29.02	737.0	29.88	758.9	01.5	16.4	49	calm	.....	.....	0	7 cs	.....	.....	.....	0.016	0.4	.....	Julius Mikolik.
Gratz	28.71	729.2	29.93	760.3	63.9	17.7	36	sw.	.....	.....	3	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.49	723.6	29.90	759.4	59.7	15.4	52	wnw.	.....	.....	5	.....	10	.....	.....	0	0	.....	Prof. A. Gottschilug
Kremsmunster, Obs'y	28.61	726.6	29.93	760.1	60.3	15.7	49	nw.	.....	.....	1	.....	1	.....	.....	0	0	clear	The Staff.
Lemberg	28.88	733.6	29.87	758.7	50.0	10.0	58	n.	.....	.....	5	.....	5	.....	.....	0.165	4.2	.....	Dr. T. Stanecki.
Pola	29.98	761.4	30.09	764.2	58.8	14.9	77	se.	.....	.....	4	.....	0	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.41	746.9	29.86	758.5	59.0	15.0	53	n.	.....	.....	4	.....	0	.....	.....	0	0	.....	Joseph Midlinsky, S. J
Szegedin	29.64	752.9	29.91	759.8	66.9	19.4	39	w.	.....	.....	1	.....	0	.....	.....	0	0	.....	Karl Stancel.
Trieste	30.03	762.8	30.13	765.3	57.7	14.3	69	w.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29 22	742.3	29.92	759.9	67.3	19.6	35	nw.	.....	.....	1	.....	1	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.55	725.2	29.94	760.5	54.0	12.2	70	sw.	.....	.....	2	.....	3	.....	.....	0	0	.....	.....
Brussels	29.78	756.3	29.98	761.5	49.6	9.8	62	wsw.	.....	.....	3	.....	10	.....	W.	.....	.....	.....	.....
Furnes	29.95	760.7	29.97	761.2	54.0	12.2	57	sw.	.....	.....	2	.....	2	.....	.....	0.004	0.1	.....	.....
Maeseyck	29.83	757.6	29.95	760.8	50.4	10.2	71	nw.	.....	.....	1	.....	10	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.02	737.1	29.12	739.6	46.6	8.1	60	w.	33	14.8	.....	.....	6	.....	.....	0.080	2.0	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.77	756.1	46.0	7.8	62	wsw.	40	20.6	.....	.....	6	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	29.20	741.7	29.74	755.4	43.5	6.4	64	wsw.	36	16.1	.....	.....	9	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.31	744.5	29.70	754 4	45.1	7.3	61	nw.	.....	.....	6	.....	7	.....	.....	0	0	squally	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.03	762.7	30.06	763.5	78	25.6	73	ne.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Oardington	.....	.....	.....	.....	48.2	9.0	54	w.	.....	.....	5.0	.....	2	.....	.....	.....	.....	blue sky	John McLaren.
Chatham, School M. E	29.77	756.1	29.95	760.7	48.7	9.3	54	w.	.....	.....	2	.....	7	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.88	758.9	30.12	765.0	45.0	7.2	80	wnw.	.....	.....	5	.....	10	.....	.....	.....	.....	hail showers	The Staff.
Fort Napier, Natal	27.49	698.2	29.80	756.9	82.8	28.2	73	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.82	757.4	29.86	758.4	44	6.7	84	wsw.	.....	.....	6	.....	6	.....	.....	0.16	4.1	threatening	Wm. Ryan.
Gibraltar, Mediterranean	30.05	763.3	30.15	765.8	64.2	17.9	92	nw.	.....	.....	4	.....	0	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.77	756.1	29.94	760.5	49.9	9.9	52	w.	.....	.....	5	.....	3	.....	.....	.....	.....	blue sky	The Staff.
Guernsey	29.82	757.4	30.12	765.0	47.0	8.3	74	w.	.....	.....	2	.....	6	.....	.....	blank	blank	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	29.90	759.4	29.94	760.5	48.1	8.9	53	w.	21	9.4	.....	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.58	751.3	29.83	757.7	48.0	8.9	46	w.	.....	.....	4	.....	5	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.93	760.2	30.01	762.2	60.4	15.8	79	se.	.....	.....	2	.....	10	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.10	764.5	30.15	765.8	77.0	25.0	74	se.	.....	.....	3	.....	4	.....	.....	blank	blank	d. clouds	C. S. Ducombe.
Oxford, Radcliffe Obs'y	29.70	754.4	29.93	760.2	49.[illegible]	9.9	53	wsw.	.....	.....	6	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	30.00	762.0	30.07	763.8	50.0	10.0	70	w.	.....	.....	6	.....	9	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	28.90	734 0	29.00	736.6	44.0	7.0	82	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	showery	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.95	760.7	30.02	762.5	57.8	14.3	64	ssw.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	W. H. Lyne.
Sheffield	29.50	749 3	29.79	756.7	44.4	6.9	72	sw.	.....	.....	6	.....	5	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	29.57	751.1	29.60	751.8	44.4	6.9	94	w.	.....	.....	6	.....	10	.....	.....	0.075	1.9	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.74	755.4	44.1	6.7	62	w	46	20.6	.....	.....	6	.....	.....	0.055	1.4	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	50.4	10.2	65	w.	.....	.....	4.0	.....	3	.....	.....	.....	.....	blue sky	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	30.05	763.3	30.08	764.0	45.9	7.7	69	wnw.	30	13.4	.....	.....	7	.....	.....	blank	blank	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.73	755.1	30.12	765.0	60.8	16.0	75	se.	8.1	3.6	.....	4 ck	0	W.	.....	0	0	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.91	759 7	30.03	762.7	61.6	16.4	94	ne.	2	0.9	.....	.....	4 k	.....	.....	0	0	fair	The Staff.
CANADIAN.																			
Bathurst, N. B	30.00	762.0	30.04	763.0	19.0	— 7.2	.....	calm	0	0	.....	7 c	0	.....	.....	0	0	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.01	762.2	30.05	763.3	28	— 2.2	79	s.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	H. J. Cundall, C. E
Chatham, N. B*	29.98	761.5	30.05	763.3	21	— 6.1	91	sw.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.62	752.3	29.82	757.4	32.3	0.2	96	e.	.....	1	.....	.....	10 s	.....	.....	0.507	12.9	overcast	Jas. Smith, M. A.
Dalhousie, N. B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. A. Johnson.
Farmer Point, Quebec*	29.98	761.5	30.01	762.2	14	—10.0	91	calm	0	0	.....	2 cs	2 n	.....	.....	0	0	clear	J. McWilliams
Fort Garry, Manitoba*	29.35	745.5	30.28	769.1	2	—16.7	100	se.	1	0.4	.....	.....	10 n	.....	.....	0	0	misty	James Stewart.
Fredericton, N. B	29.97	761.2	30.00	762 0	29.0	— 1.7	89	calm	0	0	.....	.....	10 n	.....	.....	inap.	inap.	snowing	Dr. Thos. Harrison.
Grand Manan, N. B	29.90	759.4	29.96	761.0	31	— 0.6	100	e.	16	7.2	.....	.....	10 n	.....	.....	0.10	2.5	light snow	J. Chipman Seeley
Granton, Ontario	28.79	731.3	29.93	760.2	33.0	0.6	100	calm	0	0	.....	.....	10 n	.....	.....	inap.	inap.	snowing	Jas. Grant.
Halifax, N. S*	29.96	761.0	30.10	764.5	30	— 1.1	100	s.	5	2.2	.....	.....	10 n	.....	.....	0.010	0.3	light snow	A. Allison.
Hamilton, Ontario	29.51	749.5	29.91	759.7	34.2	1.2	89	ne.	.....	.....	1	10 cs	0	e.	.....	0.630	16.0	snowing	Geo. Dickson, B. A.
Kingston, Ontario*	29.47	748.5	29.82	757.4	33	0.6	92	ne.	9	4.0	.....	.....	10 n	.....	.....	0.74	18.8	light snow	A. P. Knight, M. A
Little Glace Bay, N. S	29.98	761.5	30.02	762.5	32.0	0.0	91	sw.	2	0.9	.....	.....	10 n	.....	.....	0	0	overcast	C. H. Rigby.
London, Ontario	29.00	736.6	29.93	760.2	33.3	0.7	95	n.	.....	1	.....	.....	10 ks	.....	.....	0.020	0.5	overcast	E. B. Reed.
Medicine Hat, N. W. T	27.77	705.3	30.15	765.8	28	— 2.2	96	w.	3	1.3	.....	.....	10 n	.....	.....	0	0	cloudy	John Ewart.
Minnedosa, N. W. T	28.17	715.5	30.27	768.8	11	—11.7	100	nw.	3	1.3	.....	2 c	2 s	nw.	nw.	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.68	753.9	29.89	759.2	29	— 1.7	96	ne.	10	4.5	.....	.....	10 n	.....	.....	0.48	12.2	light snow	C. H. McLeod, C. E.
Ottawa, Ontario	29.66	753.4	29.89	759.2	32.9	0.5	89	nne.	.....	.....	.....	.....	10 s	.....	.....	0.050	1.3	snowing	A. McGill, M. A.
Parry Sound, Ontario*	29.23	742.4	29.95	760.7	34	1.1	89	n.	12	5.4	.....	5 k	5 k	nw.	nw.	0.02	0.5	fair	Rev. R. Mosley.
Peterboro, Ontario	29.10	739.1	29.86	758.4	33.7	0.9	87	n.	.....	.....	1	.....	10	.....	.....	0.48	12.2	misty	Wm. O'Connor, M.A.
Port Arthur	29.00	751.8	30.34	770 6	34	1.1	89	calm	0	0	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.18	741.2	29.90	759.4	33	0.6	100	n.	9	4.0	.....	.....	10 n	.....	.....	0.51	13.0	light rain	H. Morgan.
Port Stanley, Ontario	29.24	742.7	29.90	759.4	34	1.1	89	nw.	4	1.8	.....	.....	10 n	.....	n.	0.27	6.9	cloudy	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec*	29.59	751 6	29.97	761.2	31	— 0.6	96	n.	16	7.2	.....	10 cs	0	n	.....	0	0	cloudy	Capt. Asne, R. N.
Rockliffe, Ontario*	29.50	749.3	29.97	761.2	32	0.0	85	ne.	5	2.2	.....	5 cs	0	w.	.....	0	0	fair	W. H. McIntyre.
St. Andrews, N. B	29.91	759.7	29.96	761.0	31	— 0.6	94	se.	4	1.8	.....	.....	10 n	.....	.....	0.30	7.6	heavy snow	
St. John, N. B	29.86	758.4	30.02	762.5	30.5	— 0.8	100	e.	8	3.6	.....	.....	10 n	.....	.....	.....	.....	snowing	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sturgeon, Ontario*	29.22	742.2	29.97	761.2	28	— 2.2	88	n.	10	4.5	.....	.....	10 s	.....	.....	0.38	9.7	cloudy	
Stratford, Ontario	28.58	725.9	29.91	759.7	32.5	0.3	90	calm	0	0	.....	.....	10 s	.....	.....	1.200	30.5	snowing	W. McBride, M.A.

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	30.05	763.3	30.11	764.8	20	— 6.7	87	calm	0	0		10 cs	0			0	0	cloudy	**T. C. Hill, C.E.**
Toronto, Ontario*	29.50	749.3	29.90	759.4	34	1.1	96	n.	12	5.4			10 n			0.30	7.6	sleeting	**Magnetic Observatory.**
Woodstock, Ontario	28.84	732.5	29.94	760 5	34.0	1.1	90	nw.	10	4.5			10 n			0.040	1.0	snowy	**Prof. N Wolverton, M.A.**
Yarmouth, N. S*	29.83	757.7	29.90	759.4	31	— 0.6	88	e.	18	8.0			10 n			0.42	10.7	light snow	**Lt. F. E. Wilmot, R. N.**
CAPE COLONY.																			
Cape St. Francis Lt. House	29.96	761.5	30.01	762.2	61.0	16.1	77	sw.				0	8 k			0.040	1.0	cloudy	**I. Garfelt.**
Cape Town, The Castle	30.06	763.5			64.0	17.8	48	sse.				0	4 k			0.06	1.5		**Capt. R. Gardner Warton**
Springbok Fontein	27.92	709.2			57	13.9	82									0	0		**J. T. Eustace**
CHILIAN.																			
Iquique																			**Rafael Moreno.**
Niebla	29.49	749.1	29.60	751.8	52.5	11.4	97	w.			1		7		w.	0.709	18.0	drizzling	**Federico Köhling.**
Punta Caldera																			**Manuel Tobar.**
Punta Corona																			**Francisco Alvarado.**
Quiriquina					55.4	13.0	84	n.			2		10 n		n.	0.173	4.4	cloudy	**Leon Herrera.**
Valparaiso	29.87	758.6	30.01	762.2	57.6	14.2	86	s.			1	0	0					clear	**Paez-I-Ampuero.**
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.01	762.2	30.03	762.8	48.7	9.3	84	e.	5.6	2.5			0			0	0	clear	**M. Marc Dechevrens, S. J**
DANISH.																			
Copenhagen	29.65	753.0	29.69	754.2	45.9	7.7	90	ssw.	16	7.			10					foggy	**Oversergent Fischer.**
Fanöe	29.65	753.2	29.67	753 7	44.8	7.1	83	wsw.			4		1						**Overloerer Laurid sen.**
Godthaab, Greenland	29.66	753.3	29.70	754.4	6.1	—14.4	100	n.nw.			4–6		10					snowing	**S. Kleinschmidt.**
Ivigtut, Greenland	29.58	751.2	29.60	751.7	21.9	— 5.6		calm			0		10						
Stykkisholm, Iceland	29.03	752.5	29.67	753.6	22.6	— 5.2	85	ne.			7		8						**A. O. Thorlacius.**
Thorshavn	29.23	742.4	29.25	743.0	39.4	4.1	87	nne.	16	7			10						**Overloerer Bergh.**
Upernavik, Greenland	29.64	752.9	29.69	754.1	— 8.1	—22.3		e.			2		10						
Vestervig	29.48	748.8	29.57	751.1	43.9	6.6	85	sw.			7		0						**Loerer Oesterbol.**
EGYPTIAN.																			
Cairo	29.91	759.8			63.5	17.5		n.	2.7	1.2			6 k			0	0		**Albert Ismatun, Dir.**
FRENCH.																			
Agen, Normal School	29.52	749 9	30.17	766.4	55.0	12.8	83	wnw.			1		10			0	0	misty	**M. Labroue, Director.**
Alençon, Normal School	29.56	750.9	30.11	764.9	50.0	10.	74	ne.			1		5 n		sw.	0	0	cloudy	**M. Nicot, Director.**
Arras, Normal School	29.85	758.3	30.10	764.5	52.2	11.2	56	w.			4		8			0	0	very cloudy	**M. Ungerer, Director.**
Avignon, Normal School	30.02	762.6	30.10	764.6	61.2	16.2	52	se.			1		0			0	0	clear	**M. Giraud, Director.**
Bar-sur-Seine	29.46	748.2	30.02	762.6	57.7	14.3	62	n.			1		8		sw.	0	0	very cloudy	**M. Saillard, Director.**
Beauvais, Normal School	29.80	756.8	30.07	763.7	52.5	11.4	45	wnw.			1		8			0	0	very cloudy	**M. Frère Eugène Marie.**
Besançon, Normal School	29.11	739.3	29.99	761.7	65.8	18.8	43	s.			1		0			0	0	clear	**M. Gobin, Director.**
Bordeaux, Observatory	29.83	757.7	30.09	764.3	59.7	15.4	74	n.			1		5		nnw.	0	0	cloudy	**M. Rayet, Director.**
Bourges, Normal School	29.50	749.2	30.06	763.4	60.1	15.6	68	w.			2		5		w.	0.04	1.	cloudy	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.98	761.5	30.22	767.7	55.4	13.0	61	w.			2		2		w.	0.039	1.0		**M. de Kermaréc, Dir.**
Caen, Normal School	29.95	760.8	30.03	762.7	55.4	13.	93	nw.			1		8		nw.	0	0	very cloudy	**M. Berson, Director.**
Châlons-sur-Marne, N. Sch'	29.83	757.7	30.15	765.8	55.9	13.3	70	sw			2		5		sw.	0	0	cloudy	**M. Jadot, Director.**
Charleville, Normal School	29.53	750.1	30.05	763.3	53.2	11.8	63	nnw.			1		10 k		wnw.	0	0	covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.67	728.2	30.00	761.9	65.1	18.4	23	nne.			1		k			0	0		**M. Alluard, Director.**
Cluny, Normal School	29.15	740.4	29.98	761.6	65.7	18.7	35	w.			1		2			0	0	slightly cl'dy	**M. de Villemontés, Dir.**
Commercy, Normal School	29.12	739.6	29.96	761.0	60.8	16.	59	w.			4		5 k	w.	w.	0	0	cloudy	**Dr. Coulet, Director.**
Gap, Normal School	27.52	699.0	30.00	762.0	62.6	17	44	s.			6		0			0	0		**M. Jarach, Director.**
Gréasque, du Rhone	28.93	734.8	30.04	763.1	62.1	16.7	49	nnw.			4		5		sw.	0	0		**M. Kina, Director.**
Grenoble. Normal School	29.24	742.8	30.00	761.9	64.0	17.8	47	wnw.			4		k		n.	0	0		**M. Ablard, Director.**
Guéret, Normal School	28.48	723 4	30.05	763.2	57.2	14.	57	ne.			1		k			0	0		**M. Delorme, Dir.**
Lambal e Normal School	29.84	758.0	30.12	765.0	50.7	10.4	52	nw.			4		kn		nw.	0	0		**M. Pollpre, Dir.**
Lescar, Normal School	29.60	751.9	30.17	766.3	52.5	11.4	78	nw.			1		10					raining	**M. Chauvin, Director.**
Lorient, Naval Observatory	30.09	764 2	30.17	766 2	58.6	14.8	41	nnw.			4		5		nw.	0	0	½ covered	**L. T. Carre, Director.**
Lyon, St. Genis-Laval	28 97	735.8	30.01	762.2	64.4	18.0	41	s.			2		0			0	0	misty	**M. André, Director.**
Mans, Normal School	29.83	757.7	30.15	765.7	48.9	9.4	77	nne.			1		2 k		nne.	0	0	slightly cl'dy	**M. Richard, Director**
Marseille, Observatory	29.83	757 7	30.10	764.6	59.5	15.3	66	wsw.			0–1		7		sse	0	0		**M. Stephan, Director.**
Montlouis	25.01	635.3	29.85	758.3	45.5	7.5	53	ne.	16.8	7.5			6	e.		0	0		**M. Cave for Dr. Fines.**
Montpellier, Normal School	29.98	761.6	30.10	764.4	58.3	14.6	98	s.			2		5	sw.		0	0	cloudy	**M. Galzin, Director.**
Nancy, Normal School	29.17	740 8	29.94	760 4	61.5	16.4	49	calm			0		kn		sw.	0	0		**M. Hasse, Director.**
Nantes, Observatory	30.04	763.0	30.20	767.1	53.2	11.8	67	nnw.			4		8k;kn		nnw.	0	0		**M. Larocque, Director.**
Perpignan, Observatory	30.00	761.9	30.11	764.8	58.6	14.8	58	e.	1.8	0.8			10		nw.	0	0		**Dr. Fines, Director.**
Pic-du-Midi, Summit	21.19	538.2			27.0	— 2.8		calm			0		10		n.	0.169	4.3	light snow	**M. Vaussenat, Director.**
Privas, Normal School	29.00	736.7	30.06	763.5	51.3	10.7	38	s.			1		0			0	0	clear	**M. Taillieu.**
Puy de Dôme Obs'y, Summit	25.17	639 4			42.3	5.7	62	nw.			1		5 k			0	0		**M. Alluard.**
Rochefort, Naval Obs'y	30.13	765.2	30.16	766.0	56.1	13.4	62	nnw.			4		2		nnw.	0	0	¼ covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.93	760 2	30.15	765.7	52.2	11.2	65	n.			1				n.	0	0		**M. Brotlier, Director.**
Rodez, Normal School	27.93	709.4	30.07	763.7	57.2	14	50	e.			0–5		1 k		w.	0	0	clear	**M. Seger, Director.**
Rouen, Normal School	30.05	763.3	30.10	764.5	49.6	9.8	69	nw.			4		2		w.	0	0	slightly cl'dy	**M. Moullot, Dir.**
Saint Maur, Observatory	29.93	760.1	30.09	764.3	47.8	8.8	59	wnw.			2		10		nw.	0	0		**M. Renou, Director.**
Toulouse, Observatory	29.43	747 5	30.15	765 9	56.1	13.4	70	wsw.			2		10	wnw.		0	0	covered	**M. Baillaud, Director.**
Tours	29.97	761.1	30.15	765.7	51.6	10.9	62	nw.			2		10		nnw.	0	0	covered	**M. de Tastes.**
Versailles, Observatory	29.60	751.8	30.09	764.3	46.4	8.0	67	n.			1		10			0	0	covered	**Dr. A. Berigny, Director.**
Sub-series.																			
St. Martin du Hinx	30.04	763.0	30.19	766.8	53.8	12.1	83	w.	9.8	4.4			10 kn		w.	0.008	0.2	covered	**M. Cartier, Director.**
GERMAN.																			
Anshach	28.52	724.4	29.95	760.6	61.2	16.2	40	w.			4		3	w.		0	0		**Prof. Jnedt.**
Bamberg	29.10	739.1	29.94	760.5	60.1	15.6	39	sw.			2		7 k		sw.	0	0		**Prof. Dr. Hoh.**
Berlin	29.71	754 5	29.85	758.1	61.2	16.2	57	w.			3		8			0	0		**Meteorological Institute**
Breslau	29.35	745.6	29.88	759.0	58.6	14.8	62	sse.			2		8	wnw.		0.016	0.4		**Royal University Obs'y**
Carlsruhe	29.49	749 1	29.95	760.6	63.3	17.4	44	sw.			1		2	sw.		0.500	12.7		**Albert Senz.**
Cassel	29.15	740.4	29.86	758.5	61.9	16.6	52	ssw.			3		7	sw.		0	0		**Dr. H. Möhl.**
Frankfort-on-the-Main	29.54	750.3	29.90	759.5	62.4	16.9	56	sw.			1		6			0	0		**Physical Society.**
Friedrichshafen	28 58	725.8	29.98	761.5	58.3	14.6	54	w.			1		0			0.268	6.8		**Wilhelm, Chief Tel.**
Hamburg	29.74	755.4	29.83	757.7	51.4	10.8	79	w.			2		10			0	0		**E. Prelier.**
Kiel	29.75	755.6	29.76	756.0	48.0	8.9	83	wsw.			4		6			0.008	0.2		**Prof. Dr. G. Karsten.**
Leipsic, Astron'l Obs'y	29.46	748.2	29.87	758.8	60.4	15.8	53	sw.			5		4			0	0		**H. Leppig, Asst.**
Magdeburg	29.67	753 6	29.85	758.3	60.3	15.7	56	w.			1		5	wsw.		0	0		**Weather Observatory.**
Memel	29.79	756.6	29.84	757.8	41.7	5.4	92	w.			2		9 cs						**Issermann.**
Munich	28.15	715.0	30.01	762.3	62.1	16.7	35	nw.			3		3	n.		0	0		**Central Station.**
Neufahrwasser	29.82	757.5	29.84	757.9	49.6	9.8	87	sw.			4		10			0	0		**A. Lothes.**
Neustadt, Palatinate	29.40	746.7	29.92	760.0	64.4	18.0	44	w.			2		6	w.		0	0		**Prof. Dicknether.**
Stuttgart	29.00	736 6	29.87	758.8	63.5	17.5	46	ne.			3		6	w.		0	0		**Prof. Dr. Schoder.**
Wustrow	29.72	755.0	29.75	755.6	48.0	8.9	84	sw.			1		4	w.		0.260	6.6		**Profs. Brandes & Reimer**
GREEK.																			
Athens	29.77	756.2	30.15	765 9	66.4	19.1		s.			1.0	1	0			0	0		**Kokkides & Wourlisch.**
INDIAN.																			
Kurrachee	29.77	756.1	29.82	757.4	81.8	27.7	73	wsw.	26.0	11.6			0			0	0	blue sky	
Deesa	29.32	744.8	29.78	756.3	101.1	38.4	19	wnw.	9.0	4.0			0			0	0	blue sky	
Bombay	29.78	756.4	29.82	757.4	82.7	28.2	77	nw.	11.0	4.9			0			0	0	blue sky	
Poona, Yarrowda	27.95	709 8	29.74	755.4	95.8	35.1	10	n.	6.0	2.7			0			0	0	blue sky	
Belgaum	27.28	692.9	29.78	756.4	83.6	28.7	53	sw.	9.0	4.0			1	w.	e.	0.01	0.3	d. clouds	
Lahore	29.03	737.4	29.76	755 9	87.0	30.6	25	calm	0	0			0			0	0	blue sky	
Roorkee	28.76	730 5	29.64	752.7	90.2	32.3	13	w.	6.0	2.7			0			0	0	blue sky	
Agra	29.19	741 4	29.74	755.4	92.2	33.4	13	w.	6.0	2.7			0			0	0	blue sky	
Nagpur	28.73	729 7	29.74	753.3	96.7	35.9	6	calm	1.0	0.4			0			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p.sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Jubbulpore	28 46	722.8	29.78	756.5	90.7	32.6	13	n.	2.0	0.9	...	...	0	...	...	0	0	blue sky	
Lucknow	29.39	746.6	29.76	756.0	94.0	34.4	36	wsw.	12.0	5.4	...	...	0	...	...	0	0	misty	
Allahabad	29.41	747.1	29.72	754.8	92.4	33.6	21	calm	0	0	...	...	0	...	...	0	0	misty	
Patna	29.57	751.1	29.75	755.7	87.0	30.6	21	n.	2.6	1.2	...	...	0	...	...	0	0	blue sky	
Hazaribagh	27.76	705 1	29.75	755 6	82.5	28.1	15	nnw.	4.0	1.8	...	...	0	...	...	0	0	blue sky	
Cuttack	29.68	753.8	29.76	755.8	85.0	29.4	63	sw.	...	...	...	...	0	...	...	0	0	blue sky	
Calcutta, Alipore	29 75	755.5	29.77	756.1	84.3	34.6	40	wnw.	5.5	2.5	...	...	1	...	...	0.06	1.5	d. clouds	
Dhubri	29.69	754.1	29.81	757.1	77.7	25.4	56	ene.	7.8	3.5	...	...	0	...	...	0.08	2.0	blue sky	
Chittagong	29.74	755.4	29.83	757.7	76.9	24.9	71	sw.	3.5	1.6	...	...	2	...	...	0	0	d. clouds	
Sibsagar	29.55	750 4	29.89	759.2	69.0	20.6	81	ne.	2.0	0.9	...	...	4	...	...	0.02	0.5	d. clouds	
Jeypore	28.34	719.9	29.74	755.5	94.7	34.8	25	nnw.	7.5	3.4	...	...	0	...	...	0	0	blue sky	
Zanzibar	29.82	757.3	29.84	757.9	84.2	29.0	64	nnw.	6.0	2.7	...	...	1	...	...	0	0	d. clouds	
Bellary	28.29	718.6	...	...	95.0	35.0	19	n.	6	2.7	...	2 c	0	...	...	0	0	d. clouds	
Trichinopoly	29.53	750.0	...	...	96.0	35.6	40	nne.	0.2	0.1	...	0	0	...	...	0	0	blue sky	
ITALIAN.																			
Udine	29.68	753.8	30.09	764 3	61.3	16.3	45	ne.	0.7	0.3	...	...	0	...	...	0	0	...	Prof. Giovanni Clodig.
Milan	29.54	750.4	30.06	763.6	63.3	17.4	50	sw.	4.3	1.9	...	...	0	...	...	0	0	...	Prof. G.V.Schiapparelli
Padua	29.97	761.2	30.08	764 0	58.3	14.6	67	se.	8.1	3.6	...	...	0	...	...	0	0	...	Prof. Dott. Lorenzoni.
Moncalieri	29.11	739.5	30.02	762 6	62.8	17.1	42	e.	4.9	2.2	...	...	2	...	...	0	0	...	Prof. F. F. Denza.
Genoa	29.93	760.3	30.13	765 2	58.1	14.5	63	sw.	5.6	2.5	...	...	2	s.	...	0	0	...	Prof. G. M. Garibaldi.
Pesaro	30.02	762.5	30 c7	763.7	57.2	14.0	69	e.	9.4	4.2	...	...	0	...	...	0	0	...	Prof. Luigi Guidi.
Florence	29.82	757.3	30.07	763.8	60.8	16.0	51	sw.	...	...	2	...	1	...	...	0	0	...	Prof. Costantino Pittei.
Leghorn	29.96	761.0	30.05	763.2	59.2	15.1	57	s.	1.3	0.5	...	...	4	...	...	0	0	...	Prof. P. Monte.
Rome	29.91	759 7	30.08	764.1	63.0	17.2	43	sw.	9.8	4.4	...	...	1	...	...	0.205	5.2	...	Prof. P. Tacchini.
Lecce	29.88	758.9	30.13	765.4	64.0	17.8	42	ssw.	7.4	3.3	...	...	2	...	...	0	0	...	Prof. C. de Giorgi.
Cosenza	29.21	742.0	30.08	763.9	58.3	14.6	76	wsw.	3.1	1.4	...	...	3	sw.	...	0	0	...	Prof. D. Conti.
Palermo	29.82	757.4	30.07	763.8	59.4	15.2	68	ne.	4.3	1.9	...	...	10	...	...	0	0	...	Prof. G. Cacciatore
Syracuse	30.12	765 0	30.16	766.1	61.2	16.2	69	se.	6.3	2.8	...	...	10	sse.	...	0	0	...	Sig. V. Giuli no.
Sub-series.																			
Naples, Astron'l Obs'y	29.57	751.0	...	...	62.6	17.0	54	e.	1.3	0.6	...	...	1	...	...	0	0	...	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.07	763.7	30.10	764 6	33.8	1.0	84	calm	...	...	0	0	0	...	...	0	0	clear	H. Hattori.
Awomori	30.00	762.0	30.03	762.7	37.1	2.8	73	sw.	11.2	5.0	...	0	1 s	...	...	inap.	inap.	clear	K. Ogawa.
Hakodate	29.99	761.8	30.00	762.1	38.2	3.4	90	wsw.	10.2	4.6	...	...	10 n	...	...	0.118	3.0	raining	Y.Souma.
Hamamatsu	30.06	763.5	30.16	766 0	44.0	6.7	88	e.	...	...	2	1 cs	0	...	...	0.063	1.6	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.02	762.5	30.04	762.9	49.0	9.4	88	n.	2.9	1.3	...	...	10 n	...	w.	0.630	16.0	raining	Y. Okamoto.
Kagoshima	29.94	760.6	29.96	760.9	55.9	13.3	94	e.	...	...	2	...	10 n	...	...	0.213	5.4	raining	
Kanazawa	29.97	761.2	30.07	763.9	44.0	6.7	71	e.	6.2	2.8	...	0	0	...	...	0.059	1.3	clear	S. Endo.
Kioto	29.93	760.1	30.10	764.5	49.8	9.9	74	ne.	1.9	0.8	...	0	5 s	...	...	0.497	12.6	fair	M. Tojima.
Kochi	30.03	762.8	30.05	763.3	56.1	13.4	81	e.	13.9	6.2	...	...	10 n	...	...	0.915	23.2	raining	K. Kusunose.
Miasaka	29.96	761.0	29.99	761.7	55.0	12.8	94	nw.	...	...	1	...	10 n	...	w.	0.311	7.9	raining	K. Masusaki&T.Ishitain.
Miyako	29.96	761.1	30.07	763 9	32.2	0.1	85	w.	6.6	2.9	...	0	0	...	...	0	0	clear	N.Honno & K.Suwa.
Nagasaki, I. M. Obs'y	29.77	756.1	29.98	761.5	50.8	10.4	96	nne.	0.9	0.4	...	...	10 n	...	...	0.520	13.2	raining	
Nemuro	29.86	758.4	29.91	759.7	32.3	0.2	75	sw.	12.0	5.4	...	1 k	0	...	...	0	0	clear	A Shibuya.
Niigata	30.05	763.3	30.09	764.3	39.6	4.2	90	w.	0.2	0.1	...	0	0	...	...	0	0	clear	Satoo & Tomikawa.
Nobiru	30.08	763.9	30.09	764.3	33.1	0.6	99	nnw.	3.6	1.6	...	0	0	...	...	0	0	clear	Yoshino & Midzushina.
Numadzu	30.12	765.0	30.16	766.0	49.9	9.9	68	wsw.	...	...	2	0	4 s	...	...	0.004	0.1	fair	T.Ohgi.
Osaka	30.06	763.6	30 08	764.0	49.4	9.7	81	ne.	12.2	5.4	...	0	3 s	...	...	0.315	8.0	clear	H. Omura.
Sakai	30.01	762.3	30.02	762.5	47.8	8.8	89	ne.	...	...	2	0	6 s	...	nw.	0.240	6.1	fair	Yamawchi & Sakamoto.
Sapporo	29.92	760.0	29.99	761.7	33.0	0.6	95	nw.	9.4	4.2	...	...	10 n	...	...	...	...	snowing	S. Kimura.
Shimonoseki	29.85	758.1	29.99	761.8	50.0	10.0	92	ne.	...	...	1	...	10 n	...	...	0.437	11.1	raining	S. Sakano.
Tokei Obs'y, Yeddo	30.07	763.9	30.15	765.9	46.2	7.9	81	s.	12.2	5.4	...	0	0	...	...	0	0	clear	The Staff.
Wakayama	30.00	762.1	30.06	763 4	49.9	9.9	78	ne.	2.8	1.3	...	4 ck	6 s	...	...	0.214	5.4	cloudy	K.Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.73	755.1	29.92	760.0	81.5	27.5	69	ese.	13.0	5.8	...	30;cs	4k;ks	wsw.	ese.	0.07	1.8	fair	The Staff.
MEXICAN.																			
Leon	24.29	617.0	30.06	763.5	50.4	10.2	74	nnw.	0.9	0.4	...	6 c;ck	4 cn	...	...	0	0	overcast	M. Leal & M.Pina
Mazatlan	29.66	753 4	29.92	760.0	65.0	18.3	84	e.	5.3	2.3	...	4 cs	0	sw.	...	0	0	foggy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.97	761.1	29.97	761.1	50.9	10.5	...	wsw.	...	...	4	...	...	...	...	0	0	...	
Groningen	29.78	756 3	29.83	757.7	49.6	9.8	...	wnw.	...	...	2	...	...	...	...	0	0	...	
Helder	29.85	758 2	29.85	758 2	46.6	8.1	...	sw.	...	...	4	...	...	...	...	0.008	0.2	...	
Hellevoetsluis	29.93	760.3	29.93	760.3	48.2	9.0	63	w.	...	...	4	...	...	...	...	0	0	...	
Utrecht	29.88	758 9	29.93	760.1	51.6	10.9	51	sw.	...	...	4	...	6	...	...	0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.84	757 9	...	...	75.9	24.4	92	wnw.	0	0	...	...	8	...	...	0.157	4.0	...	Lt.J.J. Roptman,R.D.N
NORWEGIAN.																			
Bergen	29.18	741.2	29.24	742.8	43.9	6.6	74	s.	25	11	...	...	10	...	...	0.394	10.0	raining	
Brono	29.33	745.0	29.37	746.0	44.2	6.8	71	sw.	...	...	4	...	8	...	...	0.039	1.0	...	
Christiania	29.34	745.2	29.48	748.9	44.8	6.8	73	ssw.	9	4	...	...	10	...	...	0	0	...	
Gjæsvær	29.12	739 6	29.24	740.2	39.6	4.2	...	ssw.	...	...	9	...	0	...	...	0	0	...	
Lodingen	29.17	740.8	29.21	742.0	38.1	3.4	92	ssw.	...	...	6	...	10	...	...	0.394	10.0	rain & fog	
PORTUGUESE.																			
Angra, Azores	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dr. J. A. Sampaio.
Campo Major	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dr. A. M. R. dos Santos.
Funchal, Madeira	30.13	765 2	30.21	767.4	62.6	17.0	70	sw.	3.8	1.7	...	...	8	n.	...	0	0	...	Capt. D. A. de Cunha.
Lisbon, Observatory	29.81	757.1	30.14	765.6	62.2	16.8	65	nne.	8.7	3.9	...	...	0	...	...	0	0	...	The Staff.
Ponta Delgada, Azores	30.20	767.1	30.27	768.9	62.2	16.8	78	se.	10.5	4.7	...	...	4	...	...	0	0	...	
Saint Paul de Loando	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
St. Vincent, Cape Verd Ids.	30.02	762.5	30.06	763.4	69.1	20.6	67	ene.	...	...	3	...	1	...	...	0	0	...	
San Salvador, Congo	28.04	712.2	29.86	758.4	80.4	26.9	67	sw.	...	...	3	...	10	...	...	0	0	...	
Serra da Estrella	25.37	644 3	30.13	765.2	47.3	8.5	67	nnw.	12.5	5.6	...	...	5	...	...	0	0	...	
RUSSIAN.																			
Akmolinski	28.90	734.0	30.09	764.2	4.3	—15.4	95	ene.	16	7	...	0	0	...	...	0	0	...	Major K. Lasarew.
Archangel	29.92	759.9	29.94	760.4	25.5	— 3.6	78	s.	9	4	...	2 cs	0	...	...	0	0	...	Capt. Ssellwerstow.
Ashurada	29.98	761.5	29.89	759.1	43.7	6.5	66	n.	9	4	...	0	0	...	...	0.024	0.6	...	
Astrakhan	30.06	763.5	29.98	761.6	43.7	6.5	55	wsw.	9	4	...	...	10 ks	...	...	...	...	...	Capt. Wisganow.
Baku	29.96	761.0	29.91	759.8	48.6	9.2	81	sse.	13	6	...	2 cs	0	...	...	0	0	...	
Barnaul	29.70	754.3	30.24	768.0	15.8	— 9.0	60	n.	4	2	...	...	0	...	...	0	0	...	Meteorological Office.
Bieloserk	29.50	749.4	30.00	761.9	24.8	— 4.0	79	ne.	7	3	...	...	10 s	...	...	0	0	...	
Dorpat	29.60	751.9	29.85	758.3	32.0	0.0	74	e.	9	4	...	0	3 ks	...	...	0	0	...	Observatory.
Ekaterinburg	29.18	741.1	30.19	766.8	29.3	— 1.5	49	s.	4	2	...	5 c	0	...	...	0	0	light clouds	Meteorological Obs'y
Elissawetgrad	29.24	742.8	29.71	754.6	35.8	2.1	84	wnw.	4	2	...	...	10 s;n	...	...	0.039	1.0	...	
Kasan	29.74	755 3	30.02	762.5	24.8	— 4.0	66	e.	4	2	...	...	10	...	...	blank	blank	...	Observatory.
Kem	29.82	757.4	29.87	758.7	28.4	— 2.0	70	sw.	9	4	...	...	0	...	...	0	0	...	
Kertch	29.76	755.9	29.78	756.5	42.4	5.8	76	s.	7	3	...	...	10 n	...	...	0.146	3.7	...	Lagorio & Sastyre.
Kieff	29.05	737.8	29.70	754.4	36.0	2.2	89	w.	7	3	...	...	10 n	...	...	0.138	3.5	raining	Observatory.
Koslov	29.12	739.7	29.64	752.9	31.5	— 0.3	74	calm	0	0	...	...	10 s	...	...	0.020	0.5	...	
Lgov	29.13	740.0	29.74	755 3	31.5	— 0.3	75	n.	9	4	...	...	8	...	...	0.075	1.9	...	R.I.Ssaweljew, En'in'r.
Libau	29.75	755 6	29.77	756.2	40.5	4.7	89	sw.	4	2	...	...	3	...	...	0.102	2.6	...	I. Quaas.
Lugan	29.52	749.8	29.73	755.2	34.2	1.2	83	sw.	9	4	...	...	10	...	...	0.110	2.8	...	Meteorological Obs'y
Moscow	29.25	743.0	29.76	755.8	25.5	— 3.6	78	ene.	4	2	...	...	10 n	...	...	0.016	0.4	light snow	Meteorological Obs'y
Nertschinsk	27 84	707.2	30.40	772.1	— 0.4	—18.0	57	calm	0	0	...	...	0	...	...	0	0	...	
Nikolaiev	29.61	752.2	29.69	754.0	43.3	6.3	83	nw.	31	14	...	...	10 n	...	...	0.118	3.0	...	Capt. Kurdakow.

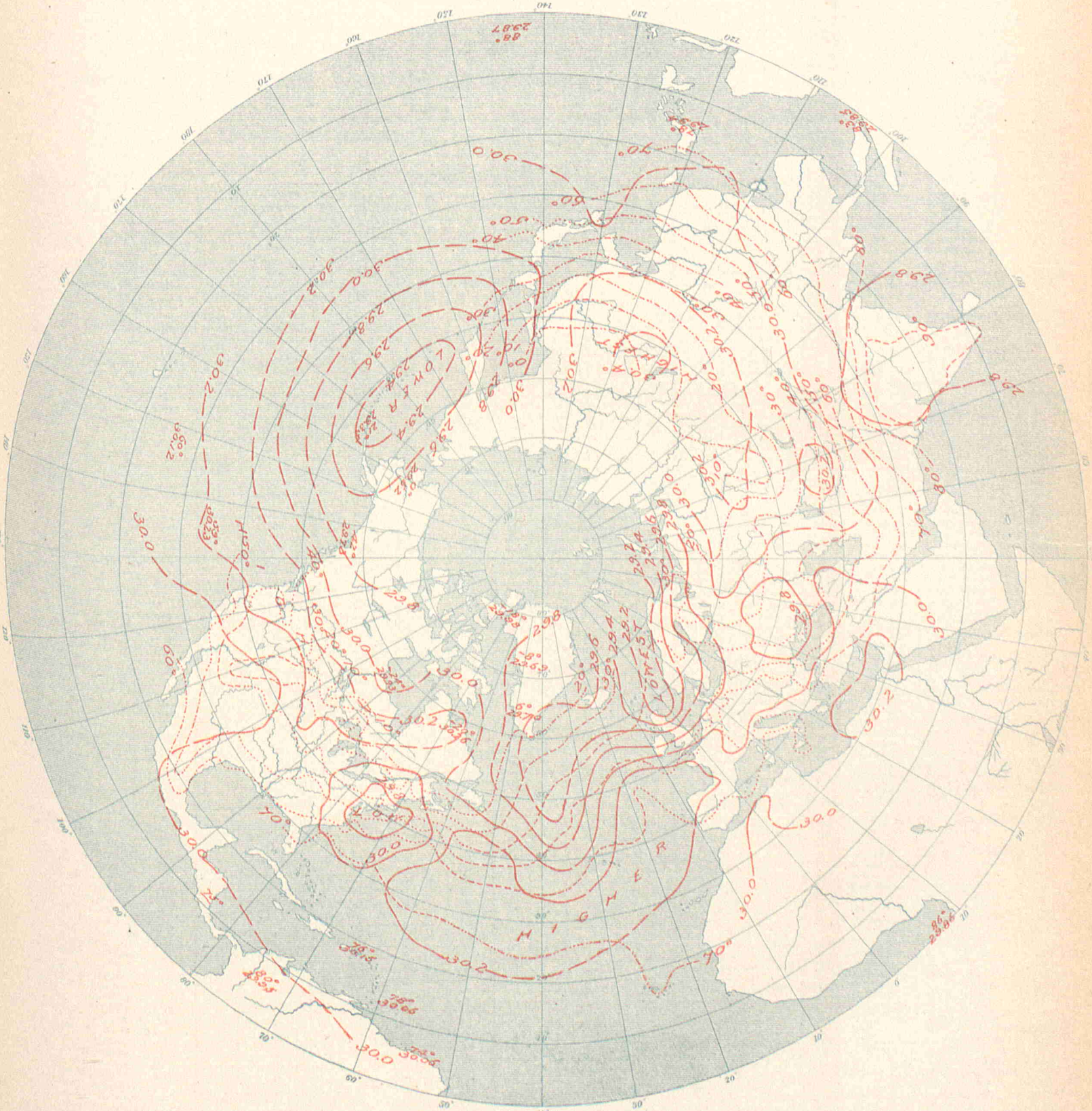
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaiewsk-on-the-Amoor.	29.96	761.0	30.05	763.2	— 2.2	—19.0	52	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.05	763 3	30.19	766.9	32.0	0.0	92	calm	0	0	.....	.....	10 n	.....	.....	0.260	6.6	.....	Siang.
Petro-Alexandrovsk	29.83	757.6	30.19	766.8	45.3	7.4	72	s.	2	1	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.76	756.0	29.97	761.3	27.3	— 2.6	70	ese.	11	5	.....	8 ck	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.30	744.1	29.80	756.9	44.6	7.0	79	nnw.	13	6	.....	.....	10 k	.....	.....	0.209	5.3	.....	
Poti	30.06	763 6	30.10	764.4	43.0	6.1	94	ssw.	13	6	.....	.....	10 n	.....	.....	1.035	26.3	raining	
St. Petersburg	29.91	759.6	29.93	760.2	29.1	— 1.6	52	se.	11	5	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.67	702.9	30.19	766.8	46.2	7.9	68	nw.	7.8	3.5	.....	0	7 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.48	748.9	30.20	767.0	16.0	— 8.9	81	calm	0	0	.....	.....	8	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.60	751.8	29.82	757.4	40.5	4.7	89	wsw.	27	12	.....	.....	10 n	.....	.....	0.177	4.5	h'vy clouds	
Staroi Bykhov	29.23	742.5	29.81	757.1	33.4	0.8	49	ne.	9	4	.....	.....	9 ks	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.54	724.9	30.26	768.5	44.8	7.1	65	calm	0	0	.....	.....	4 s	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.61	726.7	30.06	763 6	43.7	6.5	48	nw.	31	14	.....	0	4 ks	.....	.....	inap.	inap.	.....	Physical Observatory
Vernoe	27.52	699.1	30.13	765.2	33.6	0.9	86	ne.	2	1	.....	.....	10 n	.....	.....	.....	.....	.....	Lariono.
Viatka	29.45	748 0	30.11	764.8	27.3	— 2 6	49	se.	2	1	.....	.....	1	.....	.....	0	0	.....	.....
Vladivostock	30.10	764.6	30.17	766.3	20.3	— 6.5	68	n.	18	8	.....	.....	6 k	.....	.....	0	0	.....	.....
Warsaw	29.44	747.7	29.86	758.5	48.9	9.4	55	w.	11	5	.....	2 ck	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.95	760.7	30.26	768.6	12.4	—10.9	62	calm	0	0	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.11	739 4	29.62	752.3	24.8	— 4.0	73	ne.	21.7	9.7	.....	.....	10 n	.....	ne.	0.04	1.0	light snow..	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.94	760 4	30 05	763.2	55.2	12.9	71	ne.	.....	.....	.....	7 c	0	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	30.17	766.4	30.23	767.9	56.7	13.7	75	nw.	3.4	1.5	.....	.....	10	.....	.....	0	0	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.15	689.7	30.17	766.3	48.7	9.3	66	ne.	6.3	2.8	.....	.....	8	.....	.....	0	0	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.54	707.1	30.05	763 2	62.4	16.9	59	nw.	5.6	2.5	.....	0	6	.....	.....	0	0	cloudy	The Staff.
Murcia, Met. Obs'y	29.88	758.9	30.00	762.0	64.2	17.9	71	wnw.	2.7	1.2	.....	4	5	e.	.....	0.079	2.0	raining	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.33	744.9	30.24	768.1	52.7	11.5	69	n.	24.8	11.1	.....	.....	7	.....	.....	0.004	0.1	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.04	762.9	30.10	764.6	70.6	21.4	90	se.	3.1	1.4	.....	1cs;ck	8	w.	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.89	759.1	29.94	760.5	78.2	25.7	64	e.	5.5	2.5	.....	0	ks	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	30.04	763.1	30.14	765.6	62.1	16.7	82	wnw.	5.8	2.6	.....	0	4	.....	w.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.06	763.4	30.15	765.7	75.6	24.2	75	se.	2.5	1.1	.....	3 cs	5 k	se.	se.	0.126	3.2	d. clouds	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	29.57	751 1	29.61	752.1	31.1	— 0.5	100	s.	.....	.....	4	.....	10	.....	.....	0	0	.....	.....
Umea	29.56	750.8	29.63	752.6	32.7	0.4	100	sw.	.....	.....	2	.....	10	.....	.....	0.299	7.6	.....	.....
Hernosand	29.50	749.3	29.55	750.6	42.4	5.8	73	calm	.....	.....	0	.....	3	.....	.....	0.268	6.8	.....	.....
Stockholm	29.45	748.1	29.63	752.6	48.6	9.2	61	wsw.	.....	.....	2	.....	8	.....	.....	0.091	2.3	.....	.....
Wisby	29.67	753.5	29.72	755.0	41.0	5.0	78	wsw.	.....	.....	4	.....	0	.....	.....	0.118	3.0	.....	.....
Sub-series.																			
Upsala	29.50	749.2	29.58	751.4	46.0	7.8	74	ssw.	9.2	4.1	.....	.....	3	w.	.....	0.126	3.2	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.59	726.2	29.98	761.6	66.0	18.9	38	ssw.	.....	.....	1	.....	0	.....	.....	0	0	clear	.....
TURKISH.																			
Constantinople	.....	.....	30.11	764.8	60.4	15.8	52	sw.	17	7.5	.....	.....	6	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	30.25?	768.4?	65.3	18.5	.....	sw.	.....	.....	3	.....	2	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.22	767.5	64.0	17.8	62	sw.	.....	.....	2	.....	2 n	.....	se.	0.018	0.5	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	29.68	753.9	29.77	756.1	39.5	4.2	78	n.	3	1.3	.....	.....	10 n	.....	.....	0.61	15.5	light rain	J. O. Barnes.
Alpena, Michigan	29.39	746.5	30.09	764.3	34.8	1.6	64	n.	11	4.9	.....	.....	10 s	.....	.....	0	0	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.87	631.7	29.89	759.2	30.7	— 0.7	85	n.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.25	692.1	30.27	768.8	31.3	— 0.4	100	sw.	3	1.3	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	J. J. O'Connor.
Atlanta, Georgia	28.87	733.3	30.08	764.0	53.0	11.7	93	w.	8	3.6	.....	0	fg.	.....	.....	0.22	5.6	clear	S. W. Beall.
Atlantic City, New Jersey	29.64	752.8	29.65	753.1	41.0	5.0	100	ne.	6	2.7	.....	.....	10 n	.....	.....	1.37	34.8	light rain	B. A. Blundon.
Augusta, Georgia	29.84	757.9	30.04	763.0	59	15.0	87	calm	0	0	.....	0	fg.	.....	.....	0.26	6.6	clear	W. J. Evans.
Baltimore, Maryland	29.69	754.1	29.74	755.4	48.5	9.2	93	nw.	4	1.8	.....	.....	10 s	.....	nw.	1.41	35.8	cloudy	Geo. W. Felger.
Barnegat City, New Jersey	29.62	752.3	29.64	752.8	38.0	3.3	100	ne.	16	7.2	.....	.....	10n;fg	.....	.....	0.56	14.2	light rain	J. P. Sherry.
Bennett, Fort, Dakota	28.53	724.6	30.23	767.8	27.8	— 2.3	90	ne.	9	4.0	.....	.....	10 s	.....	.....	0.01	0.3	threatening	A. Pritchard.
Benton, Fort, Montana	27.35	694.7	30.33	770.4	33.5	0.8	59	calm	0	0	.....	.....	10 s	.....	.....	blank	blank	cloudy	C. S. Bennett.
Bismarck, Dakota	28.32	719 3	30.24	768.1	22.8	— 5.1	87	e.	1	0.4	.....	10s;fg	.....	.....	e.	0	0	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.64	752.8	29.67	753.6	37.2	2.9	92	ne.	20	8.9	.....	.....	10 s	.....	ne.	1.04	26.4	cloudy	J. T. Elker.
Boise City, Idaho	27.23	691 6	30.15	765.8	37.3	2.9	82	nw.	10	4.5	.....	.....	10 s	.....	nw.	0.09	2.3	cloudy	James Kenealy.
Boston, Massachusetts	29.55	750 6	29.71	754.6	35.5	1.9	100	ne.	16	7.2	.....	.....	10n;fg	.....	ne.	0.80	20.3	light rain	O. B. Cole.
Brownsville, Texas	29.95	760.7	30.01	762.2	61.3	16.3	100	ne.	7	3.1	.....	10 cs	0	s.	.....	0	0	cloudy	John McGlone.
Buffalo, New York	29.09	738.9	29.88	758.9	32.1	0.1	98	n.	10	4.5	.....	.....	10 s	.....	ne.	0.27	6.9	cloudy	D. Cuthbertson.
Buford, Fort, Dakota	28.08	713.2	30.24	768.1	19.3	— 7.1	94	ne.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	A. Schneider.
Cairo, Illinois	29.71	754 6	30.13	765.3	48.2	9.0	84	n.	7	3.1	.....	.....	10 s	.....	n	0.02	0.5	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	30.12	765.0	30.32	770.1	41.0	5.0	92	e.	1	0.4	.....	3 ck	0	.....	.....	0.04	1.0	clear	J. H. Young.
Cape Henry, Virginia	29.73	755.1	29.75	755.6	61.0	16.1	84	sw.	12	5.4	.....	0	3 s	.....	.....	1.18	30.0	clear	A. K. Alderson.
Cape May, New Jersey	29.65	753.1	29.68	753.9	41.5	5.3	100	nw.	18	8.0	.....	.....	10n;fg	.....	.....	1.31	33.3	light rain	W. E. Smith.
Cape Mendocino, California	29.47	748.5	30.16	766 1	43.4	6.3	75	ne.	12	5.4	.....	0	0	.....	.....	0	0	clear	A. P. Leavitt.
Cedar Keys, Florida	30.06	763.5	30.08	764.0	66.5	19.2	92	nw.	7	3.1	.....	0	9 k	.....	w.	0.75	19.0	cloudy	G. W. Davis.
Charleston, S. Carolina	29.90	759.4	29.96	761.0	62.5	16.9	87	w.	6	2.7	.....	0	0	.....	.....	0.50	12.7	clear	J. H. Smith.
Charlotte, N. Carolina	29.08	738.6	29.96	761.0	56.0	13.3	90	w.	4	1.8	.....	0	fg.	.....	.....	0.17	4.3	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.21	741.9	30.06	763.5	51.5	10.8	93	sw.	4	1.8	.....	4 cs	fg.	.....	.....	0.33	8.4	fair	B. L. Goulding.
Cheyenne, Wyoming	23.74	603 0	29.94	760.5	29.9	— 1.2	75	e.	4	1.8	.....	0	6 s	.....	.....	0	0	fair	E. McGovern.
Chicago, Illinois	29.35	745.5	30.09	764.3	36.0	2.2	81	n.	7	3.1	.....	.....	10 s	.....	n	0.05	1.3	cloudy	Wm. Norrington.
Chincoteague, Virginia	29.69	754 1	29.71	754.6	50.0	10.0	100	nw.	17	7.6	.....	.....	10 s	.....	nw.	1.38	35.1	cloudy	C. F. Dickens
Cincinnati, Ohio	29.33	745.0	30.02	762.5	48.2	9.0	82	nw.	6	2.7	.....	.....	10 s	.....	nw.	0.13	3.3	cloudy	L. Dunne.
Cleveland, Ohio	29.21	741.9	29.99	761 7	33.0	0.6	100	w.	8	3.6	.....	.....	fg.	.....	.....	0.20	5.1	dense fog	W. Line.
Columbus, Ohio	29.08	738.6	29.97	761.2	41.6	5.3	87	w.	7	3.1	.....	.....	10 s	.....	w.	0.38	9.7	cloudy	F. T. Williams
Concho, Fort, Texas	28.05	712.5	30.02	762.5	51.7	10.9	74	s.	21	9.4	.....	0	0	.....	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.78	680.2	30.11	764.8	34	1.1	89	n.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	W. J. Daily.
Davenport, Iowa	29.44	747.8	30.13	765.3	40.0	4.4	76	ne.	5	2.2	.....	.....	10s;fg	.....	ne.	0	0	cloudy	R. R. Martin.
Davis, Fort, Texas	25.15	638.8	30.02	762.5	41.5	5.3	74	s.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty	28.47	723.1	30.29	769.4	38.2	3.4	81	sw.	3	1.3	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	T. Gibson.
Deadwood, Dakota	25.27	641.8	30.11	764.8	30.0	— 1.1	100	ne.	4	1.8	.....	.....	fg.	.....	.....	0	0	dense fog	G. W. Scott.
Delaware Breakwater, Del.	29.68	753.9	29.70	754.4	46.1	7.8	100	nw	11	4.9	.....	.....	10n;fg	.....	nw.	1.74	44.2	light rain	G. A. Martin.
Denver, Colorado	24.46	621.3	29.90	759.4	36.7	2.6	65	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	F. M. Neal.
Des Moines, Iowa	29.20	741.7	30.16	766 1	37.2	2.9	83	n.	4	1.8	.....	.....	10 s	.....	n.	0.02	0.5	cloudy	F. W. Conrad.
Detroit, Michigan	29.27	743.4	30.02	762.5	36.1	2.3	89	n.	5	2.2	.....	.....	10 s	.....	.....	0.32	8.1	cloudy	N. B. Conger.
Dodge City, Kansas	27.27	692.6	30.00	762.0	44.6	7.0	68	e.	17	7.6	.....	3 cs	2 s	sw.	sw.	0	0	fair	J. E. Lanouette.
Dubuque, Iowa	29.38	746.2	30.13	765 3	37.8	3.2	79	n.	2	0.9	.....	.....	10 s	.....	.....	0.26	6.6	cloudy	J. Harvey Smith
Duluth, Minnesota	29.43	747.5	30.22	767.6	30.0	— 1.1	78	ne.	1	0.4	.....	0	7 s	.....	ne.	0	0	fair	E. R. Brace.
Eastport, Maine	29.91	759.7	29.98	761.5	30.8	— 0.7	100	e.	12	5.4	.....	.....	10n;fg	.....	e.	0.19	4.8	heavy snow	D. C. Murphy.
Elliott, Fort, Texas	27.10	688.3	29.93	760.2	40	4.4	82	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
El Paso, Texas	26.16	664.5	29.96	761.0	48.2	9.0	44	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.16	740.7	29.92	760 0	34.4	1.3	95	n.	8	3.6	.....	.....	10 n	.....	.....	0.39	9.9	light snow	P. Wood.
Escanaba, Michigan	29.46	748.3	30.17	766.3	21.0	— 6.1	70	n.	8	3.6	.....	6 c	0	.....	.....	0.01	0.3	fair	L. M. Pindell.
Fort Smith, Arkansas	29.62	752.3	30.11	764.8	41.2	5.1	92	e.	4	1.8	.....	10 cs	0	n.	.....	0	0	cloudy	J. B. Campbell.
Galveston, Texas	30.02	762.5	30.06	763.5	61.0	16.1	89	sw.	2	0.9	.....	0	1 s	.....	.....	0	0	clear	E. O'C. Macinerney
Grand Haven, Michigan	29.38	746.2	30.08	764 0	38.6	3.7	76	n	3	1.3	.....	.....	10 s	.....	n.	0.29	7.4	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.11	637 8	29.94	760.5	41.8	5.4	59	se	3	1.3	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras North Carolina	29.81	757.2	29.82	757.4	60.2	15.7	93	sw.	10	4.5	.....	hz.	3 k	.....	sw.	0.21	5.3	clear	R. M. Crawford

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature. Inch.	Mill.	BAROMETER. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	WIND. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	CLOUDS. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.87	657.1	30.19	766.8	35	1.7	100	W.	4	1.8			10 n			0.06	1.5	light snow	S.W.Morrison.
Huron, Dakota	28.75	730.2	30.23	767.8	32.2	0.1	90	ne.	3	1.3			10 s			inap.	inap.	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.19	741.4	30.03	762.7	39.8	4.3	80	nw.	8	3.6			10 s		nw.	0.13	3.3	cloudy	C. F. R. Wappenhans.
Indianola, Texas	30.01	762.2	30.04	763.0	60.0	15.6	93	s.	9	4.0		0	2 s			0	0	clear	I. A. Reed.
Jacksonville Florida	30.03	762.7	30.08	764.0	66.0	18.9	90	calm	0	0		4 cs	0	W.		0.30	7.6	fair	J. W. Smith.
Keokuk, Iowa	29.42	747.3	30.11	764.8	38.0	3.3	92	calm	0	0			10 s			0.03	0.8	cloudy	F. Z. Gosewisch.
Key West, Florida	30.06	763.5	30.08	764.0	74	23.3	94	se.	4	1.8		6 cs	0	sw.		0	0	fair	J. J. Lackey.
Kittyhawk, North Carolina	29.76	755.9	29.78	756.4	60.4	15.8	89	w	14	6 3		0	8 ks		w.	0.85	21.6	cloudy	Wesley Blake.
Knoxville, Tennessee	28.98	736.1	30.04	763.0	50.7	10.4	95	sw.	6	2.7		0	3s;fg		sw.	0.31	7.9	clear	J. A. Cody.
La Crosse, Wisconsin	29.35	745.5	30.17	766.3	35.5	1.9	80	n.	4	1.8			10 s			0.02	0.5	cloudy	S. C. Emery.
Leavenworth, Kansas	29.24	742.7	30.18	766.6	40	4.4	82	calm	0	0			10 s		n	0	0	cloudy	C. Dill.
Lewiston, Idaho	29.41	747.0	30.27	768.8	43.0	6.1	68	calm	0	0			10 s			0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.78	756.4	30.11	764.8	44.5	6.9	88	calm	0	0		0	hz.			0	0	clear	W.U.Simons.
Los Angeles, California	29.58	751.3	29.98	761.5	48.5	9.2	82	ne.	4	1.8		0	0			0	0	clear	T. S. Collius.
Louisville, Kentucky	29.44	747.8	30.03	762.7	48.5	9.2	82	w.	8	3.6			10 s		w.	0.10	2.5	cloudy	E.B.Garriott.
Lynchburg, Virginia	29.09	738.9	29.81	757.2	55.0	12.8	80	w.	4	1.8		8 k	0	w.		0.47	11.9	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.44	747.8	30.14	765.5	27.9	— 2.3	77	n	3	1.3		4ck;cs	3 s			0	0	fair	D. B. Notson.
Macon, Fort, North Carolina	29.88	758.9	29.89	759 2	58.0	14.4	80	sw.	25	11.2		0	4 s		sw.	0.16	4.1	fair	William Daly.
Maginnis, Fort, Montana	25.66	651.8	30.26	768 6	35.1	1.7	65	ne.	14	6.3		10 k	0			0	0	cloudy	F. Burke.
Marquette, Michigan	29.45	748.0	30.22	767 6	27.7	— 2.4	77	nw.	8	3.6		3 c	0	nw.		0	0	clear	J. Gilligan.
Memphis, Tennessee	29.73	755.1	30 08	764.0	46.5	8.1	80	nw.	7	3.1		0	0			0.01	0.3	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.33	745.0	30.12	765.0	33.6	0.9	80	n.	9	4.0		4 c	0	n.		0.02	0.5	fair	S.W.Rhode.
Mobile, Alabama	30.04	763.0	30.08	764.0	58.6	14.8	96	w	2	0.9		8 ck	1k;fg	w.	w.	0.05	1.3	cloudy	H. U. Jones.
Montgomery, Alabama	29.84	757.9	30.08	764.0	56.1	13.4	88	sw.	1	0.4		0	0			0.19	4.8	clear	S.M.Leitsell.
Moorhead, Minnesota	29.17	740.9	30.25	768.3	19.4	— 7.0	84	ne.	3	1.3			10 s			0	0	cloudy	H. Bessant.
Mt. Washington, N. H	23.47	596.1	29.99	761.7	20.0	— 6.7	100	se.	39	17.4			10n;fg		se.	0.19	4.8	light snow	J.H.Melton.
Nashville, Tennessee	29.45	748.0	30.05	763.3	52.6	11.4	94	w.	1	0.4			10s;fg		w.	0.09	2.3	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.57	751.1	29.69	754.1	35.6	2.0	92	ne.	16	7.2			10 s		ne.	0.77	19.6	cloudy	J. H. Sherman.
New London, Connecticut	29.64	752 8	29.68	753.9	38.0	3.3	100	n.	11	4.9			10 n		n.	0.90	22.9	light rain	J. G. Lynch.
New Orleans, Louisiana	30.01	762.2	30.07	763.8	62.0	16.7	90	n.	6	2.7		5 c	hz.	sw.		0.04	1.0	fair	M. Herman.
New York, New York	29.51	749 5	29.69	754.1	39	3.9	91	ne.	8	3.6			10n;fg			1.02	25.9	light rain	W.Finn.
Norfolk, Virginia	29.70	754.4	29.73	755.1	62.0	16.7	85	w.	9	4.0		0	0			1.81	46.0	clear	Wm. Davis.
North Platte, Nebraska	27.01	686.0	30.07	763.8	38.1	3.4	92	e.	16	7.2			10 n			0.06	1.5	light rain	E.F.Brady.
Olympia, Washington Ter	30.27	768 8	30.31	769.9	42.0	5.6	82	calm	0	0			10 s			0	0	cloudy	J. Descombe.
Omaha, Nebraska	28.96	735.6	30.22	767.6	34.2	1.2	92	ne.	8	3.6			10s;fg			0	0	cloudy	A. Pollak
Oswego, New York	29.45	748.0	29.79	756.7	34.5	1.4	89	ne.	10	4.5			10s;fg		ne.	0.93	23.6	cloudy	J. G. Linsley.
Palestine, Texas	29.53	750.0	30.10	764.5	51.3	10.7	71	ne.	7	3.1		0	0			0	0	clear	P. T. Jenkins.
Pensacola, Florida	30.04	763.0	30.07	763.8	60.3	15.7	98	sw.	3	1.3			10s;fg			0.02	0.5	cloudy	M. McGauran.
Philadelphia, Pa	29.60	751.8	29.70	754.4	42.5	5.8	100	ne.	7	3.1			10 n		ne.	1.64	41.7	light rain	T. F. Townsend.
Pike's Peak, Colorado	17.46	443.5	30.05	763.3	2.0	—16.7	83	sw.	27	12.1		4 k	0	w.		0	0	fair	H. Hall.
Pittsburg, Pennsylvania	29.05	738.1	29.91	759.7	41.0	5.0	84	w.	8	3.6			10 n		w.	0.24	6.1	light rain	O. D. Stewart.
Poplar River, Montana					15.6	— 9.1							10 s			0	0	cloudy	Geo.A.Carden.
Port Huron, Michigan	29.25	742.9	29.97	761.2	32.2	0.1	100	n.	13	5.8			10 n			0 42	10.7	light snow	M. H. Perry
Portland, Maine	29.78	756.4	29.84	757.9	35.0	1.7	86	ne.	13	5.8			10 n		ne.	0.74	18.8	sleeting	W. W. Eichelberger.
Portland, Oregon	30.24	768.1	30.32	770.1	35.3	1.8	100	s.	1	0.4			fg.			0.12	3.0	dense fog	M. L. Hearns.
Prescott, Arizona	24.56	623.8	29.95	760.7	30.5	— 0.8	63	ne.	3	1.3		0	0			0	0	clear	N. D. Lane.
Provincetown, Mass	29.63	752.6	29.66	753.4	38.3	3.5	100	ne.	10	4.5			fg.			0.84	21.3	dense fog	C. N. Kitchel.
Red Bluff, California	29.86	758.4	30.23	767.8	40.5	4.7	73	n.	3	1.3		0	0			0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.78	756.4	30.02	762 5	62.0	16.7	87	e.	8	3.6		0	6 s		se.	0	0	fair	L. G. Schultz.
Rochester, N. Y	29.16	740.7	29 86	758 4	32	0.0	100	n.	11	4.9			10n;fg			0.70	17.8	sleeting	E. W. McGann.
Roseburg, Oregon	29.74	755.4	30.30	769.6	37	2.8	91	e.	4	1.8			10 s		w.	0.29	7.4	threatening	J. J. Nanry.
Sacramento, California	30.05	763.3	30.12	765.0	49.5	9.7	67	nw.	16	7.2		0	0			0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.48	748.8	30.13	765.3	43.2	6.2	96	w.	7	3.1			10 s		w.	0.02	0.5	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.58	751.3	29.62	752.3	0	—17.8	83	n.	27	12.1		0	8 s			0	0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.26	743.2	30.17	766.3	36.8	2.7	58	w.	3	1.3		9 cs	0	ne.		0.24	6.1	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.33	745.0	30.27	768.8	4	—15.6	82	calm	0	0			fg.			0	0	dense fog	C. B. Dilley.
Salt Lake City, Utah	25 52	648.2	30.04	763.0	31.2	— 0.4	79	nw.	4	1.8			10 s			1.12	28.4	threatening	J. Craig.
San Diego, California	29.87	758.7	29.94	760.5	51.4	10.8	92	ne.	5	2.2		0	0			0	0	clear	F. R. Day.
Sandusky, Ohio	29.28	743.7	30.00	762.0	34.3	1.3	100	nw.	13	5.8			10 n		nw.	0.37	9.4	light snow	B. F. Hough.
Sandy Hook, New Jersey	29.67	753.6	29.70	754.4	39.2	4.0	92	ne.	12	5.4			10 n		ne.	1.10	27.9	light rain	V.P.Chappel.
Sanford, Florida	30.02	762.5	30.07	763.8	68.6	20.3	90	calm	0	0			10 c			0.08	2.0	cloudy	J. B. Marbury
San Francisco, California	30.04	763.0	30.11	764.8	52.0	11.1	72	n.	9	4.0		0	0			0	0	clear	N. Gorom.
Savannah, Georgia	29.93	760.2	30.02	762.5	63.4	17.4	82	sw.	6	2.7			10 ks		w.	0.13	3.3	cloudy	H.W.Ford.
Shaw, Fort, Montana	26.47	672.3	30.27	768.8	33	0.6	85	w.	2	0.9		0	9 k		nw.	0	0	cloudy	A.L.Mathews.
Shreveport, Louisiana	29.86	758.4	30.04	763.0	49.8	9.9	87	nw.	3	1.3		2 cs	hz.			0	0	clear	E.N.Meekins.
Sitka, Alaska	29.66	753.4	29.73	755.1	41.9	5.5	71	e.	26	11.6			10 n		e.	0.17	4.3	light rain	F. W. Fickett.
Smithville North Carolina	29.86	758.4	29.90	759.4	59.6	15.3	94	w	15	6.7		0	0			0.43	10.9	clear	O. Parker.
Spokane Falls, Wash. Ter.	28.12	714.2	30.25	768.3	35.0	1.7	85	calm	0	0			10 s			0.15	3.8	cloudy	D.Moore.
Springfield, Illinois	29.38	746.2	30.10	764.5	44.0	6.7	93	nw.	6	2.7			10s;fg		nw.	0.01	0.3	cloudy	T. B. Jennings.
Stockton, Fort, Texas	26.90	683.2	29.98	761.5	46.5	8.1	74	calm	0	0		0	0			0	0	clear	J.W.Byram.
Tatoosh Id., Wash. Ter	30.23	767.8	30.33	770.4	40.1	4.5	89	calm	0	0		0	3 s			0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.15	689.6	29.93	760.2	39.5	4.2	59	w.			1	0	0			0	0	clear	R. C. Lord.
Toledo, Ohio	29.24	742.7	29.97	761.2	35	1.7	94	n.	5	2.2			10 n		n.	0.41	10.4	light rain	A. Buell.
Unalashka, Alaska	29.33	745.0	29.35	745.5	21	— 6.1	70	sw.	8	3.6			10 s			0.12	3.0	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.84	757.9	30.10	764.5	54	12.2	86	n.	1	0.4		3 cs	2 s	w.	sw.	0.04	1.0	fair	F.W.Mixer.
Washington, D. C	29.63	752.6	29.75	755.6	44.0	6.7	95	nw.	3	1.3			10 s		nw.	1.56	39.6	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.77	654.5	29.84	757.9	39.5	4.2	62	s.	6	2.7		3 c	0	s.		0	0	clear	F. H. Brandenburg.
Wilmington, N. Carolina	29.84	757.9	29.90	759.4	62.5	16.9	89	w.	12	5.4		2 k	0	w.		0.11	2.8	clear	L.H.Albrecht.
Yankton, Dakota	28.84	732.5	30.23	767.8	32.4	0.2	90	se.	8	3.6			fg.			0	0	dense fog	E. H. Thompson.
Yuma, Arizona	29.72	754.9	29.87	758.7	52.9	11.6	86	e.	2	0.9		0	0			0	0	clear	W.S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.38	746.2	29.40	746.7	33.2	0.7	96	ne.	26	11.6			10 n			0.01	0.3	cloudy	George Cherunick.
Bluefields, Nicaragua, C.A.					80	26.7		ne.			3	0	7 k		ne.	0	0	cloudy	W. H. Jackson.
Bogota, U. S. C.																			
Chimo, Fort, Ungava	21.98	558.3			55.4	13.0	87	n.	2	1		2 cs	2 k	s.	n.	0	0		Joaquin Gomez.
Kingston, Jamaica, W. I	30.10	764.5	30.26	768.6	—20	—28.9	100	sw.	13	5.8		10ck;k	0			0	0	cloudy	L.M.Turner.
Paramaribo, S. A			30.11	764.8	71.0	21.7	78	n.	1	0.4		0	0			0	0	clear	Robert Johnston.
Puerto Berrio, U.S. C	30.06	763.5	30.06	763.5	74	23.3	90	e.			3		10 n	e.	e.	0.220	5.6	raining	Dr. C. J. Hering.
Rivas, Nicaragua, C. A	29.39	746.5	29.95	760.7	80	26.7	89	calm			0		9 ks	s.	s.	0	0	cloudy	Francisco J. Olsucrs
York Factory, B. A					75.2	24.0	84	ne.			2					0	0	clear	Earl Flint.
	29.86	758.4	29.93	760.2	—24.0	—31.1		nw.	16	7.2			10 n		nw.	0.02	0.5	snowing	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.95	760.7	29.96	761.0	78.8	26.0	81	n.	13.0	5.8			6 k		n.	0	0	fair	P.Fasiani.
Naós, Bay of Panama	29.88	758.9	29.95	760.6	72.7	22.6	91	nw.			4		1 k		n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Assyrian Monarch, N. 49° 54′, W. 5° 23′			54	12.2		nw.			5		0			4 h'r	4 h'r	mod.	nw.	clear.
S. Armenia, N. 38° 20′, W 73° 30′ *	29.69	754.1	51	10.6	93	ssw.			4		10		wsw.	5 h'r	5 h'r	mod.	ssw.	foggy.
S. S. America, N. 52° —′, E. 30° —′*	29.90	759.4	51	10.6	93	sw.			6		1		sw.	0	0	cross	sw.	clear.
S. S. Athos, N. 10° 00′, W. 80° 00′						n.			4		0?			0	0	long	ne.	fair?
S. S. Bothnia, N. 40° 26′, W. 69° 40′	29.63	752.6	51	10.6	100	ssw.			2		10			10 h'r	10 h'r	mod.	sse.	dense fog.
S. S. British Princess, N. 41° 28′, W. 46° 25′						w.			6		7		w.	6 h'r	6 h'r	mod.	wnw.	fair.
S. S. Britannic, N. 47° 00′, W. 35° 10′*†	29.70	754.4	47	8.3		w.			5		5		w.	5 h'r	5 h'r	high	sw.	raining.
S. S. Caracas, N. 14° 13′, W. 69° 02′ *†	30.10	764.5	79	26.1	78	e.			6		3		ene.	½h'r	½hr	r'gh	ene	fine.
S. S. Celtic, N. 41° 00′, W. 57° 00′†	30.26	768.6			57	w.			2		8		sw.	2 h'r	2 h'r	sm'h		overcast.
S. Dora, N. 37° 14′, W. 66° 20′ *†	29.98	761.5	67.1	19.5		sw.			5		8		sw.	0	0	mod.	sw.	overcast.
S. S. Canada, (Fr) N. 40° 40′, W. 69° 32′	29 59	751.5	48.2	9.0		wsw.			5		fg.					r'gh		foggy.
S. S. Devonia, N 48° 15′, W. 38° 24′ †	29.45	748.0	44	6.7		sw.			6		5		sw.	5 h'r	5 h'r	h'vy	sw.	squally.
S. S. England, N. 43° 22′, W. 40° 28′	29.80	756.9				wnw.			6		5		wnw.	0	0	high	wnw.	fair.
S. S. Elysia, N. 39° 33′, W. 20° 06′*	30.33	770 4	62	16.7	88	e.			3		5		e.	0	0	sli't	nw.	fair.
S. S. Fulda, N. 41° 45′, W. 53° 42′	30.29	769.4	27.4	3 0	75	wnw			4		8		wnw.	0	0	r'gh	wnw.	cloudy.
S. S. Gellert, N. 43° 12′, W. 40° 13′	29.86	758.4	45.0	9.4	93	nw.			5		3?		nw.	3 h'r	3 h'r	r'gh	w.	covered.?
S. S. George S. Thomas, N. 35° 42′, W. 71° 40′						w.			10		10		wnw.	8 h'r	8 h'r	h'vy		hurricane.
S. S. Greece, N. 41° 26′, W. 47° 34′ †	30.20	767.1	37	2.8		nw.			4		7		nw.	0	0	mod.	nw.	fine.
S. S. Habsburg, N. 45° 47′, W. 38° 59′						sw;w.			6–8		9		wsw.	7 h'r	7 h'r	r'gh	wsw.	squally.
S. S. Iowa, N. 42° 21′, W. 57° 56′†	30.22	767.6	36	2.2		ssw.			3		9		sw.	1 h'r	1 h'r	sm'h	sw.	hazy.
Schr John Bracewell, Salem, Mass			37	2.8		ne.			1		10		ne.	15 h'r	15 h'r			raining.
S. S. Lord Clive, N. 40° 57′. W. 58° 41′						s.			1		0			0	0		sm'h	clear.
Bg. L. F. Munson, Matanzas, Cuba, W.I*†	30.13	765.3	72	22.2		sw.			3		hz			0	0			hazy.
S. S. Main, N. 43° 02′ W. 40° 25′			48.2	9.0		nw.			6		5		nw.	4 h'r	4 h'r	cross	nw.	squally.
S. S. Nessmore, N. 50° 29′, W 13° 30′	30.03	762.7	54	12.2	87	w.			6		4		wnw.	6 h'r	6 h'r	cross	w.	hazy.
S. S. Orinoco, New York, N. Y†	29.69	754.1	43	6.1		ne.			2		10		ne.	20 h'r	20 h'r	mod.	n.	hazy.
Bk. Orpheus, N. 40° 49′, W. 58° 53′			52	11.1		se.			3		8 k		w.	0	0	sm'h		drizzling.
S. S. Pavonia, N. 50° 31′, W. 19° 40′	30.29	769.4	56	13.3	81	wsw.			2		3		wsw.	0	0	mod	wnw	clear.
S. S. Pennsylvania, Waterford Hook, Ireland			48	8.9	70	wnw.			6		2		w.	1 h'r	1 h'r			clear
S. S. Rhaetia, N. 40° 58′ W. 66° 31′						sw.			6		6		w.	24 h'r	24 h'r	long	sw.	foggy.
S. S. Rugia, N. 53° 47′, E. 6° 06′	29.75	755.6				w.			5		8		w.	0	0			fair.
S. S. State of Georgia, N. 43° 27′ W. 42° 40′†	29.87	758.7	43	6.1		wnw.			7		10		nw.	rain	rain	sharp	wnw.	hailing.
S. S. Salerno, N. 48° 33′, W. 13° 13′†	30.37	771.4	52	11.1		wnw.			4		3		wnw.	0	0	r'gh	wnw.	fine.
S. S. Switzerland, N. 45° 58′, W. 22° 50′ *†	30.33	770.4				sse.			3		8		ssw.	0	0	r'gh	sse.	cloudy.
S. S. Silesia, N. 40° 40′, W. 72° 39′	29.66	753.4				ne.			5		10			10 h'r	10 h'r		ne.	rainy.
S. S. The Queen, N. 40° 40′, W. 47° 27′	30.31	769.9	41	5.0	91	nw.			6		8		nnw.	2 h'r	2 h'r	r'gh	nw.	cloudy.
S. S. Valencia, N. 13° 13′, W. 68° 47′†	30.04	763.0	79.5	26.4	82	e.			6		6		e.	3 h'r	3 h'r	h'vy	e.	squally.
S. S. Westernland, N. 40° 39′, W. 62° 40′	29.99	761.7	58	14.4	82	sse.			7		10		sse.	6 h'r	6 h'r	mod	sse.	overcast.
S. S. Wieland, N. 49° 37′, W. 10° 08′			49	9.4		wnw.			5		3		wnw.	1 h'r	1 h'r	r'gh	nw.	clear.
S. S. Weser, N. 40° 42′, W. 48° 50′	30.28	769.1	40.1	4.5		nnw.			5		8		n.	2 h'r	2 h'r	r'gh	nw.	cloudy.
S. S. Zeeland, N. 39° 52′, W. 56° 16′ *†	30.24	768.1	48	8.9		wnw.			5				wnw.	0	0	long	nw.	clear.
S. S. Cienfuegos, St. Jago, Cuba, W.I	30.10	764.5	72	22.2		nw.			1		0			0	0			clear.
S. S. Anchoria, N. 43° 47′, W. 40° 20′						w.			4		4		w.	8 h'r	8 h'r	mod	w.	fine.
S. S. Chalmette, Algiers, La *†	30.07	763.8	59	15.0		ese.					3			1 h'r	1 h'r			foggy.
S. S. Erin, London, Eng.			54	12.2		w.			6		8?		w.	2 h'r	2 h'r			clear.?
S. S. Grecian, Greenock, Scotland	29.49	749.0	42	5.6	83	w.			6		9		w.	6 h'r	6 h'r			squally.
Bg. John Wesley, Sagua le Grande, Cuba, W. I.						sse.			1		1			0	0			clear.
S. S. Lone Star, N. 31° 38′, W. 78° 40′ *†	30.02	762.5	71	21.7		w.			4		4		wnw.	6 h'r	6 h'r	r'gh	cross	fair.
S. S. Ohio, (Am.) N. 52° 07′, W. 60 56′			48	8.9	92	w.			4		5		w.	2 h'r	2 h'r			clear.
S. S. St. Laurent, N. 40° 25′, W. 68° 45′			52.7	11.5		ssw.			3		10			20 h'r	20 h'r	r'gh	s.	misty.
Bgt. Sunlight, N. 12° 20′, W. 60° 00′						ne.			5		4		ne.	½h'r	½h'r	mod.	ne.	raining.
Schr. Viola Reppard, N. 27° 40′, W. 76° 05′			74	23.3		s.			4		5		s.	0	0	sm'h	sse.	fair.
S. S. Werra, N. 40° 10′, W. 67° 36′ *	29.80	757.0	51.8	11.0		sw.			5		10		sw.	0	0	mod.	sw.	foggy.
U. S. S. Kearsarge, Alexandria, Egypt	30.25	768.3	67	19.4	74	wnw.			1		0							clear
U. S. S. Lancaster. Alexandria, Egypt	30.25	768.3	64	17.8	67	nw.			1		5					sm'h		fair.
U. S. S. Alliance, St. Pierre, Martinique, W.I	30.11	764.8	76	24.4	73	nne.			2		2		ne.	light	light	sm'h		clear.
U. S. S. Galena, Port au Prince, Hayti, W.I*	30.09	764.3	76	24.4	68	e.			2		2		e.			sm'h		fair.
U. S. S Jamestown, Pointe à Pitre, Gaudeloupe, W. I.	30.12	765.0	78	25.6	65	ne.			2		5		ene.					fair.
U. S. S. Portsmouth, Fort de France, Martinique, W.I	30.08	764.0	74	23.3	95	ene.			4		5		ne.					fair.
U. S. S. Saratoga, N. 38° 51′, W 40° 38′	30.03	762.7	52	11.1	73	nw.			3–5		8		nw.	hv'y	hv'y	r'gh	nw.	cloudy.
U. S. S. Swatara, Aspinwall, U.S.C	29.93	760.2	80	26.7	87	nne.			3		5		nne.	o	o	mod.		fair.
U. S. S Yantic, N. 31° 40′, W. 79° 51	30.06	763 5	64	17.8	89	w.			5		2					sm'h	sw.	clear.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.23	767.8	70	21.1	66	ese.			1		2		ese.					d. clouds
H. M. S. Alecto, N. 4° 03′, E. 6° 10′	29.89	759.2	83	28.3		e.			1		5		sse.			3	sse.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.22	767.6	65	18.3	73	s.			4		3		wsw.					d. clouds.
H. M. S. Minotaur, Marmaras Bay, Asia Minor	30.17	766.3	64	17.8	58	sse.			1		0							blue sky.
H. M. S. Myrmidon, Port Said, Egypt	30.28	769.1	62	16.7	69	nne.			1		2							d. clouds.
H. M. S. Tyne, N. 38° 49′, W. 9° 40	30.13	765.3	58	14.4	82	nnw.			5		0					3	nnw.	blue sky.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	30.11	764.8	73.4	23.0	91	ne.			3		5		sw.	0	0	2	ne.	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.86	758.5	85.8	29.9	79	s.			6		7		se.	3 h'r	3 h'r	4	se.	d. clouds.
S. S. British Prince, Delaware river				6.7	92	nw.			2		10		wsw.	16 h'r	15 h'r			hazy.
S. S. Circassian, N. 54° 50′, W. 12° 10′	29.77	756.1	46	7.8	69	w.			6		5		w.			6	wnw.	squally.
S. S. Polynesian, N. 49° 02′, W. 33° 45′	29.65	753.1	50	10.0		ssw.			4		10		sw.	5 h'r	5 h'r	mod.	sw.	overcast.
S. S. Scandinavian, N. 47° 05′, W. 38° 10′	29.52	749.8	47	8.3		sw.			7		7		sw.	shr's	shr's	high	sw.	showery.
S. S. Ailsa, Kingston, Jamaica, W.I			80	26.7	91	ne.			2				ne.	o	o			fair.
S. S. Alps, N. 18° 41′, W. 66° 50′			84	28.9		se.			4		4		se.	rain	rain	sm'h	se.	fine.
S. S. Dorian, Castel a Mare, Italy	30.09	764.3				var.			1					o	o			
S. S. Galatia, Genoa, Italy*†	30.18	766.6	75?	23.9?		sse.			3		5?		sse.	o	o			cloudy.?
S. S. California, N. 49° 18′, W. 9° 36′*†	30.25	768.3	67.2?	19.6?		nw.			5				nw.	o	o	long	nw.	clear.
S. S. Gallia, N. 40° 30′, W. 68° 04′	29.62	752.3	54	12 2		sw.			4		fg.			rain	rain	mod.	s.	foggy
S. S. Labrador, N. 48° 52′, W. 18° 45′ *†	30.32	770.0	60.8	16.0		w.			2–5		2		nw.	½ h'r	½ h'r	r'gh	w.	
S. S. Wyoming, N. 41° 02′, W. 61° 14′	30.07	763.7	51	10.6		se.			4		9		sse.	8 h'r	8 h'r	mod.	sse.	light rain.
S. S. Westphalia, Dover, England	29.92	760.0	58	14.4		nw.			4		2		w.	o	o	sm'h	w.	clear.
S. S. Teniers, N. 42° 44′, W. 10° 40′	30.32	770.1	57.0	13.9	64	ne.			6	0	4 k			o	o	5	wnw.	d. clouds.
S. S. Archimede, (It.) N. 36° 47′, W. 46° 03′ †	30.23	767.8	58	14.4		nne.			4		3		nnw.	4 h'r	4 h'r	hv'y	nw.	clear.
S. S. Picqua, N. 37° 51′, E. 5° 20′†	30.12	765.0	65	18.3	84	var.			2					o	o		var.	overcast
S. S. Oregon, (Br) N. 43° 19′, W. 40° 28′	29.86	758 4	43	6.1		wnw.			6		5		wnw.	5 h'r	5 h'r	mod.	wnw.	squally.
S. S City of Merida, N. 19° 11′, W. 96° 08′			77.0	25.0		n.			2		10		n.	o	o	light	n.	cloudy
S. S. Canada, (Br) N. 49° 20′, W. 11° 19′ †	30.26	768.6	55	12.8		nw.			6		8		nw.	sh'rs	sh'rs	long	nw.	showery.
S. S. Neckar, N. 40° 45′, W. 61° 04′	30.12	765.0	53.6	12.0	100	ese.			0–3		9		sw.	3 h'r	3 h'r	sm'h	s	rainy.
S. S. Belgenland, N. 42° 50′, W. 38° 43′			50	10.0	65	nw.			6				nw.	o	o	long	nw.	clear.
S. S. Pennland, Antwerp, Belgium	29.97	761.2	40?	4.4?	100	wnw.			5		8		nw.	7 h'r	7 h'r			cloudy
S. S Waesland, New York, N. Y.	29.72	754.9	40	4.4		n.			5		10			8 h'r	8 h'r			rainy.
S. S. Amsterdam, N. 40° 27′, W. 69° 19′					88	sw.			3		10						s.	dense fog.
S. S. P. Caland, N. 46° 56′, W. 25° 43′			53.2	11.8	84	s.			4–5		0			o	o	3	wnw.	
S. S. Zaandam, N. 42° 56′, W. 45° 50′*	29.99	761.7	48.2	9.0	85	var.			6		9		w.	8 h'r	8 h'r	h'vy	wnw	rainy.
S. S State of Nebraska, N. 41° 16′, W. 64° 40′			44	6.7		se.			6		10		s	8 h'r	8 h'r	sm'h		rainy.
S. S. Saxon, Philadelphia, Pa*†	29.75	755.6	44	6.7		nne.			2		5			rain	rain			raining.
S. S. Lepanto, N. 43° 54′, W 10° 20′	30.31	769.9	65?	18.3?		ne.			4					o	o	h'vy	w;nw	clear.
S. S. Marengo, Hull, England			46	7.8		wsw.			6		5?		sw.			sm'h		clear.?
Schr. Arthur Burton, N. 17° 40′, W. 67° 00′†.	30.09	764.3				ene.			4		2		e.	o	o	chop	e.	fine.
Bk. Aureola, N. 39° 30′, W. 65° 00′†	29.89	759.2	59	15.0	82	ssw.			7		10		sw.	5 h'r	5 h'r	h'vy	var.	threatening
Bg. Abbie Clifford, N. 28° 14′, W. 58° 41′ †	30.24	768.1	70	21.1		ne.			3		3		e.			mod.	nnw.	fair.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from.	
District No. 1—North Atlantic.—Continued.																		
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.05	763.3	80	26.7	.....	ne.	.....	.....	5	.....	4	.....	ene.	0	0	.....	.....	clear.
S. Annie, N. 27° 32′, W. 68° 55′*	30.16	766.1	.....	.....	.....	ssw.	.....	.....	2	.....	2	.....	.....	0	0	mod.	e.	clear.
Schr. Abbie H. Gheen, Sprungwood Mills, S. C*†	30.01	762.2	62	16.7	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 19° 07′, W. 32° 10′ *†	30.10	764.5	78	25.6	.....	e.	.....	.....	2	.....	3	.....	e.	0	0	sm'h	.....	clear.
S. S. Bracadalle, N. 49° 32′, W. 4° 10′	30.09	764.3	69	20.6	.....	ese.	.....	.....	3	.....	4	.....	ese.	0	0	sm'h	n.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	.....	.....	56	13.3	.....	nw.	.....	.....	6	.....	1	.....	nw.	0	0	mod.	nw.	clear.
Bk. Cato, N. 38° 25′, W. 9° 15′†	30.00	762.0	79	26.1	.....	e.	.....	.....	4	.....	8	.....	ene.	1 h'r	1 h'r	.....	.....	fair.
Bk. C. S. Bushnell, N. 38° 48′, E 9° 14′	30.18	766.6	60	15.6	91	nne.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	hazy.
S. David Stewart, N. 23° 49.′ W. 71° 17′†	30.03	762.7	.....	.....	.....	ese.	.....	.....	5	.....	8	.....	ese.	0	0	r'gh	ese.	cloudy.
Schr. Edith R. Seward, Orchilla Island, Venezuela	30.14	765.5	80	26.7	.....	ese.	.....	.....	4	.....	5	.....	ese.	0	0	mod.	ese.	fair.
U. S. Fish. Com. S. S. Fish Hawk, Kings Ferry, Fla†	.....	.....	79	26.1	.....	ene.	.....	.....	4	.....	4	.....	e	0	0	.....	.....	clear.
Bg. George, Arroyo, Porto Rico, W. I	30.16	766.1	60	15.6	.....	sw.	.....	.....	1	.....	2	.....	calm	0	0	.....	.....	clear.
S. Grecian, N. 10° 00′, W. 42° 12′†	.....	.....	.....	.....	.....	ene	.....	.....	2	.....	8	.....	.....	rain	rain	mod.	.....	squally.
Bk. Galeon, N. 24° 47′, W. 160° 06′	30.11	764.8	77	25.0	91	ene.	.....	.....	5	.....	4	.....	ene.	1 h'r	1 h'r	mod.	ne.	clear.
Bk. Heinrich & Tonio, N. 40° 50′, W. 29° 30′*†	.....	.....	67	19.4	.....	ene.	.....	.....	4	.....	2	.....	ne.	0	0	.....	n.	blue sky.
Bk. Hattie G. McFarland, Aspinwall, U.S.C	30.10	764.5	61	16.1	82	s.	.....	.....	5	.....	10	.....	s.	5 h'r	5 h'r	mod.	s.	rainy.
S. Henry Failing N 17° 19′, W. 44° 23′ *†	.....	.....	79	26.1	.....	ene.	.....	.....	4	.....	5	.....	ne.	0	0	.....	.....	.....
Schr. Jeanie N. Huddell, Smithville, N. C†	30.17	766.3	74	23.3	100	ne.	.....	.....	4	.....	3	.....	ne.	3 h'r	3 h'r	mod.	ne.	clear.
Bg. John Welsh, jr, Barbadoes, W. I	29.95	760.7	61	16.1	.....	wsw.	.....	.....	5	.....	2	.....	wsw.	sq 'lls	sq 'lls	.....	.....	clear.
Schr. John Bird, Zaza, W.I*†	.....	.....	.....	.....	.....	ene.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	.....
Schr. Jenny Greenbank, Cindad, Venezuela	30.10	764.5	.....	.....	.....	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. L. & W. Armstrong, N. 16° 40′, W. 64° 05′†	.....	.....	77	25.0	.....	ene.	.....	.....	2	.....	9	.....	ene.	4 h'r	4 h'r	.....	.....	rainy.
Lighthouse Tender Laurel, Key West, Fla †	30.10	764.5	.....	.....	.....	ne.	.....	.....	3	.....	3	.....	ne.	½ h'r	½ h'r	sm'h	ne.	.....
S. S. Madrid, Benisa Spain †	30.06	763.5	76	24.4	.....	sse.	.....	.....	1	.....	0	.....	sse.	0	0	.....	.....	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W.I*†	30.07	763.8	60	15.6	88	n.	.....	.....	5	.....	8	.....	n.	3 h'r	3 h'r	r'gh	ne.	raining.
Bk. Rosalie, N. 48° 41′, W. 9° 44′*†	30.08	764.0	.....	.....	.....	.....	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Rosina, N. 41° 06′, W. 29° 24′	30.32	770.1	.....	.....	.....	w.	.....	.....	6	.....	2	.....	wnw.	3 h'r	3 h'r	high	w.	clear.
Bk. Sunbeam, Lisbon, Portugal†	30.12	765.0	59	15.0	.....	sse.	.....	.....	7	.....	8	.....	s.	6 h'r	6 h'r	large	se.	cloudy.
S. Stephen D. Horton, N. 49° 30′, W. 15° 50′†	30.14	765.5	66	18.9	74	nw.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
S. Tsemogora, N. 37° 44′, W. 42° 17′*†	30.26	768.6	.....	.....	.....	wnw.	.....	.....	4	.....	5	.....	w.	5 h'r	5 h'r	mod.	nw.	fair.
Bk. Tros, N. 23° 58′, W. 36° 39′*†	30.05	763.3	.....	.....	.....	nw.	.....	.....	4	.....	3	.....	nw.	rain	rain	long	wnw.	clear.
S. Vincenzo Accame, N. 39° 10′, E. 8° 17′	30.22	767.6	72	22.2	.....	n.	.....	.....	1	.....	1	.....	ne.	0	0	sm'h	nne.	clear.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	62.6	17	.....	e.	.....	.....	9	.....	7	.....	e	0	0	.....	.....	.....
District No. 2—South Atlantic.	.....	.....	86	30.0	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Brooklyn, Cape Town, South Africa	29.98	761.5	64	17.8	68	s.	9	4.0	.....	.....	2	.....	s.	0.07	1.8	sm'h	.....	clear.
U. S. S. Pensacola S 15° 46′, W. 4° 42′	30.12	765.0	76	24.4	68	ese.	.....	.....	5	.....	2	.....	.....	0.05	1.3	sm'h	.....	clear.
H. M. S. Amethyst, S. 44° 20′, W. 61° 00′	29.42	747.3	61.5	16.4	85	n.	.....	.....	7	.....	0	.....	.....	.....	6	n.	.....	misty.
H. M. S. Boadicea, Congo river, Guinea	29.89	759.2	80	26.7	96	sw.	.....	.....	1	.....	2	ssw.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Opal, Table Bay, Cape Colony	30.12	765.0	60	15.6	94	s.	.....	.....	3	.....	6	.....	.....	.....	.....	.....	.....	showery.
H. M. S. Sylvia, Montevideo, Uruguay	30.10	764.5	67.2	19.6	79	ne.	.....	.....	3	.....	9	calm	.....	.....	.....	.....	.....	d. clouds
H.P.M.S. Rainha de Portugal, Moçsamedes, Benguela	29.87	758.7	72.1	22.3	74	wnw.	.....	.....	2	.....	2	.....	.....	0	0	2	.....	blue sky.
S. S. Archimedes, (Br) S. 23° 25′, W. 41° 40′	30.16	766.1	.....	.....	.....	ne.	.....	.....	1–2	.....	3	.....	ese.	0	0	sm'h	.....	fine.
S. S. Hevelius, S. 9° 39′, W. 34° 50′ * †	30.10	764.5	83	28.3	.....	e.	.....	.....	4	.....	0	.....	ese.	4 h'r	4 h'r	sm'h	.....	fair.
S. S. Rosse, S. 13° 39′, W. 36° 42′	29.96	761.0	81	27.2	74	ene.	.....	.....	5	.....	3	.....	ene	0	0	mod.	ene.	clear.
Bk. Adelaide, S. 23° 40′, W. 41° 32′ *†	30.24	768.1	83	28.3	.....	ene.	.....	.....	2	.....	1	.....	ne.	0	0	light	ne.	clear.
Bk. Achille F., S. 0° 30′, W. 31° —*†	29.98	761.5	79.5	26.4	91	ne.	.....	.....	5	.....	5	.....	nne.	0	0	long	var.	fine.
S. Frank N. Thayer, S. 1° 50′, W. 25° 24′*†	29.97	761.2	84	28.9	75	s.	.....	.....	2	4 ck	0	.....	.....	rain	rain	light	n.	showery.
S. Gatherer, S. 2° 20′, W. 27° 15′†	29.95	760 7	78	25.6	95	sse.	.....	.....	1	.....	5	.....	s.	12 ml	nutes	sm'h	n.	fair.
S. Ismir, S. 14° 48′, W. 28° 16′ *†	29.91	759.7	.....	.....	.....	ese.	.....	.....	5	.....	3	.....	ese.	0	0	.....	se.	fine.
Bkt. Levanter, S. 31° 06′, W. 41° 45′*	30.30	769.0	78	25.6	.....	e.	.....	.....	1	.....	1	.....	.....	0	0	mod.	se.	clear.
S. S. Mendoza, S. 4° 10′. W. 34° 39′ †	30.00	762.0	.....	.....	.....	ssw.	.....	.....	1	.....	.....	.....	s.	0	0	sm'h	n.	clear.
S. S. Leipzig, S. 12° 31′, W. 37° 31′*	30.04	763.0	82.0	27.8	100	se.	.....	.....	3	.....	6	.....	se.	0	0	mod.	ese.	cloudy.
U. S. S. Shenandoah, Montevideo, Uruguay*	30.13	765.3	67	19.4	95	nne.	.....	.....	3	.....	10	.....	calm	.....	.....	sm'h	.....	cloudy.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama Japan	30.13	765.3	48.5	9.2	73	sw.	.....	.....	2	.....	2	.....	w.	0	0	.....	.....	clear.
U. S. S Alert, Shanghai, China	30.05	763.3	55	12.8	87	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Essex, N. 31° 12′, E. 130° 06′	29.92	760.0	60	15.6	88	sw.	.....	.....	5	.....	8	.....	.....	.....	.....	.....	ese.	fair.
U. S. S. Juniata, Roze Island, Corea	30.06	763.5	43	6.1	74	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, Shanghai, China	30.04	763.0	50	10.0	100	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
H.M.S. Audacious, Hong Kong, China	30.05	763.3	61	16.1	88	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.03	762.7	62	16.7	77	sse.	.....	.....	1	.....	1	.....	.....	.....	.....	sm'h	.....	blue sky.
H. M. S. Champion, Shanghai, China	30.01	762.2	57	13.9	81	s.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 57′	30.04	763.0	55.8	13.2	87	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Tamega, Macao, China	29.85	758.2	83.0	28.3	77	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
U. S. S. Monocacy, Canton, China	30.04	763.0	68.9	20.5	81	calm	.....	.....	0	.....	0?	.....	.....	0	0	.....	.....	overcast.?
S. S. Newbern, N. 25° 38′, W. 110° 32′	30.02	762.5	67	19.4	84	s.	.....	.....	1	.....	2	.....	calm	.....	.....	.....	.....	hazy.
S. S. City of Chester, near Cape Mendocino, Cal†	.....	.....	63	17.2	62	s.	.....	.....	2	.....	0	.....	.....	0	0	small	sw.	clear.
S. S. Oregon, Portland, Oregon†	30.17	760.3	50	10.0	72	nw.	.....	.....	4	.....	0	.....	.....	0	0	light	sw.	.....
S. S. Willamette, N. 48° 12′, W. 124° 57′†	30.33	770.4	38	3.3	81	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	foggy.
S. S. Alameda, N 27° 07′, W. 147° 52′†	30.34	770.6	46	7.8	84	ne.	.....	.....	1	.....	5	.....	ne.	0	0	mod.	wsw.	fair.
S. S. Ancon, Point Conception, Cal †	30.12	765.0	60	15.6	.....	n.	.....	.....	3	.....	10	.....	n.	0	0	light	w.	cloudy.
S. S. State of California, San Francisco, Cal †	29.93	760.2	55	12.8	39	nw.	.....	.....	4	.....	0	.....	.....	0	0	light	w.	clear.
S. S. Australia, N. 33° 52′, W. 134° 50′	30.11	764.8	50	10.0	86	nw.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. City of Pekin, N. 26° 15′, E. 121° 30′ †.	30.23	767.8	59	15.0	94	s.	.....	.....	5	.....	8	.....	w.	0	0	sm'h	.....	threatening.
S. S. City of Rio deJaneiro, N. 30° 20′, W. 140° 00′†	30.05	763.3	57	13.9	63	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear
S. S. City of Tokio, N. 31° 41′, W. 174° 28′†	30.12	765.0	61	16.1	.....	nw.	.....	.....	5	.....	.....	.....	n.	.....	.....	mod.	nw.	cloudy.
S. S. Colima, N 31° 39′, W. 117° 05′†	30.22	767.6	61	16.1	77	ssw.	.....	.....	0	.....	10	.....	ssw.	.....	.....	mod	ssw.	hazy.
S. S. Granada, N. 8° 52′, W. 84 10′†	29.97	761.2	66	18.9	79	calm	.....	.....	0	.....	7	.....	nw.	0	0	mod.	wnw.	cloudy.
S. S. San Blas, N. 23° 10′, W. 110° 23′†	29.90	759.4	80	26.7	82	e.	.....	.....	1	.....	5	.....	e.	0	0	light	s.	fair.
S. S. San José, N. 16° 51′, W. 99° 55′†	29.94	760.5	65	18.3	87	nne.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	n.	clear.
S. S. Zealandia, N. 29° 48′, W. 142° 41′	30.01	762.2	77	25.0	91	wnw.	.....	.....	2	.....	2	.....	nne.	0	0	small	w.	clear.
S. J. W. Gildemeister, N. 3° 09′, E 108° 40′	30.04	763.0	69	20.6	75	ese.	.....	.....	4	.....	2	.....	n.	.....	.....	mod.	ne.	clear.
S. S. Port Phillip, N. 2° 10′, E. 142° 30′	30.04	763.0	64	17.8	89	e.	.....	.....	2	.....	8	.....	.....	5 h'r	5 h'r	.....	.....	cloudy.
U. S. S. Richmond, N. 30° 28′, E. 123° 15′	29.87	758.7	80.6	27	80	ne.	.....	.....	2-3	7 cs	k	.....	ne.	0	0	1	nne.	overcast.
S. S. Oceanic, N. 34° 37′, W. 176° 40′	29.87	758.7	88	31.1	80	nw.	.....	.....	3	.....	.....	.....	.....	.....	.....	light	e.	gloomy.
District No. 4—South Pacific.	30.07	763.8	53	11.7	100	sse.	.....	.....	3	.....	2	.....	sse.	0	0	sm'h	.....	clear.
U. S. S. Pinta, S. 48° 03′, W. 74° 30′	30.01	762.2	60	15.6	88	s.	.....	.....	5–6	.....	9	.....	sw.	4 h'r	4 h'r	4	sw.	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	29.40	746.7	45	7.2	76	n.	.....	.....	4	.....	10	.....	n.	.....	.....	.....	.....	cloudy.
H. M. S. Espeigle, S. 36° 50′, E. 174° 49′	30.06	763.5	57	13.9	94	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Lark, S. 36° 46′, E. 179° 50′	29.83	757.7	66	18.9	89	nnw.	.....	.....	1	.....	3	w.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Mutine, Callao, Peru	29.82	757.4	64.3	17.9	81	nw.	.....	.....	2	.....	5	.....	.....	.....	.....	1	n.	showery.
S. S. Sappho, S. 15° 00′, W. 75° 30′	29.93	760.2	71	21.7	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	misty.
U. S. S. City of Sydney, Sydney, N S. W*†	30.03	762.7	70	21.1	100	se.	.....	.....	4	.....	0	se.	.....	.....	.....	4	se.	d. clouds.
U. S. S. Onward, Callao Bay, Peru *†	30.13	765.3	68	20 0	74	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Iroquois, Coquimbo, Chili	30.02	762.5	71	21.7	95	s.	.....	.....	1	.....	0	.....	.....	.....	.....	long	w.	clear.
U. S. S. Lackawanna, Callao, Peru	29.97	761.2	60	15.6	82	nw.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.	29.91	759 7	71	21.7	90	calm	.....	.....	0	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
U. S. S. Trenton, N. 18° 17′, E. 70° 28′	29.86	758.4	87	27.2	81	n.	.....	.....	3	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
H. M. S. Tourmaline, off Zanzibar	29.88	758.9	92	29.4	85	wnw.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealla, S. 17° 52′, E. 76° 42′*	29.96	761.0	.....	.....	.....	e.	.....	.....	5	.....	5	.....	e.	0	0	mod.	se.	fair.

International Chart I. March 20, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 21, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	...	.....	30.11	764.7	61.5	16.4	81	se.	.....	.....	1	.....	0	.....	.....	.....	.....	clear.....	Roziere.
Algiers	.....	.....	.....	29.97	761.1	60.1	15.6	73	se.	.....	.....	1	.....	0	.....	.....	0.732	18.6	clear.....	Théve.
La Calle	.....	.....	.....	29.84	757.9	58.6	14.8	89	wnw.	.....	.....	4	.....	6	.....	.....	0.472	12.0	cloudy.....	Fonfrède.
Tunis	.....	.....	.....	29.89	759 3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	.....	30.06	763.6	51.8	11.0	87	nw.	...	.....	2	.....	1	.....	.....	0	0	very fair....	Forfert.
Laghouat	.....	.....	.....	30.06	763.6	63.3	17.4	.....	nnw.	.....	.....	5	.....	2	.....	.....	0	0	fair.....	Abraham.
Biskra	.....	.....	.....	29 93	760.3	73.8	23.2	58	calm	.....	.....	0	.....	0	.....	.....	0	0	clear.....	Gouzon.
AUSTRALIAN.																				
Adelaide, South Australia	.....	.....	.....	29.99	761.7	74.0	23.3	34	calm	0	0	.....	.....	0	.....	.....	0	0	clear.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.85	758.2	30.04	763.0	55	12.8	83	nne.	5	2.2	.....	.....	6	.....	n.	0	0	fair.....	Com. J. Short, R.N.
Melbourne, Victoria	30.01	762.2	30.10	764.5	58.6	14.8	83	s.	1	0.4	.....	.....	3	.....	.....	0	0	fine.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.21	742.0	29.75	755.7	59.5	15.3	33	sw.	.....	.....	5	.....	10	.....	.....	0.118	3.0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.85	732.9	29.60	751.9	61.7	16.5	54	nnw.	0.7	0.3	.....	9	... ...	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	28.85	732.9	29.71	754.7	61.3	16.3	52	s.	.....	.....	4	cs	8 s	.....	...	0	0	.....	Julius Mikolik.
Gratz	28.48	723.5	29.71	754.5	62.2	16.8	62	s.	.....	.....	2	.....	10	.....	.....	0	0	... .	Andreas Rospini.
Hermannstadt	28.36	720.4	29.74	755.4	66.7	19.3	38	se.	... ...	.....	4	.....	5	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.57	725 6	29.95	760.6	38.7	3.7	90	wsw.	.....	.....	5	.....	10	.....	.....	0.217	5.5	cloudy.....	The Staff.
Lemberg	28.79	731.3	29.70	755.9	57.2	14.0	62	s.	.....	.....	2	.....	4	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.63	752.7	29.74	755.5	57.4	14.1	75	se	.....	.....	5	.....	9	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.26	743.1	29.71	754.5	67.1	19.5	41	w.	.....	.....	5	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.48	748.9	29.76	755.8	63.1	17.3	38	s.	.....	.....	3	.....	8	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.73	755.2	29.83	757.7	60.1	15.6	59	se.	.....	.....	1	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.00	738.2	29.79	756 7	45.5	7.5	70	w.	.....	.....	0	.....	9	.....	.....	0.110	2.8	....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.49	723.7	29.91	759.6	38.8	3.8	88	sw.	.....	.....	2	.....	6	.....	.....	0.008	0.2	sleeting	
Brussels	29.70	754.3	29.90	759.5	43.2	6.2	80	wnw.	.....	.....	3	.....	10	.....	nw.	0.063	1.6	.....	
Furnes	29.93	760.1	29.95	760.6	45.3	7.4	72	wnw.	.....	.....	2	.....	8	.....	.....	0.028	0.7	....	
Maeseyck	29.77	756.2	29.90	759.4	44.4	6.9	79	nw	.....	.....	1	.....	9	.....	.....	0.035	0.9	.....	
BRITISH.																			
Aberdeen	29.72	754.9	29.82	757.4	42.5	5.8	56	nw.	23	10.3	.....	.....	4	.....	.....	0.010	0.3	squally.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	.....	30.01	762.2	44.9	7.2	76	w.	35	15.6	.....	.....	7	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharpies	29.45	748.0	29.99	761.7	43.0	6.1	73	w.	12	5.4	.....	.....	9	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.55	750.6	29.94	760.5	46.7	8 2	59	nw.	.....	.....	4	.....	4	.....	.....	0.04	1 0	d. clouds....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.05	763.3	30.08	764.0	78	...	25.6	69	ne.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	48.0	8.9	60	nw.	.....	.....	3.0	.....	3	.....	.....	.....	.....	d clouds	John McLaren.
Chatham, School M. E	29.82	757.4	30.00	762.0	48.1	8.9	60	nw.	.....	.....	1	.....	6	.....	.....	blank	blank	gloomy.....	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.98	761.5	30.21	767.3	48.0	8.9	58	nw.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.39	695.7	29.70	754.4	58.0	14.4	97	s.	.....	.....	1	... .	10	.....	.....	.....	.....	raining	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	30.07	763 8	30.11	764.8	47	8.3	77	w.	.....	.....	1	.....	4	.....	.....	0.08	2.0	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	30.01	762.2	30.11	764.8	63.0	17.2	95	e.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky.....	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.83	757.7	30.00	762.0	49.8	9.9	58	nnw.	.....	.....	5	.....	7	.....	.....	.....	.....	d. clouds....	The Staff.
Guernsey	29.83	757.7	30.14	765.5	48.5	9.2	60	nw.	.....	.....	3	c	4	.....	.....	.....	.....	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	29.98	761.5	30.02	762 5	48.0	9.2	50	nw	15	6.7	.....	.....	0	.....	.....	.....	.....	d clouds	The Staff.
Leicester, Museum	29.73	755.1	29.98	761.5	50.2	10.1	61	nw.	.....	.....	2	.....	5	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.64	752.8	29.72	754.9	60.2	15.7	88	sw.	.....	.....	3	.....	6	.....	.....	0.02	0.5	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.13	765.3	30.17	766.3	77.5	25.3	80	se.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.80	756.9	30.03	762.7	49.9	8.3	57	nw.	.....	.....	5	.....	7	.....	.....	.....	.....	d. clouds....	The Staff.
Plymouth	30.08	764.0	30.15	765.8	49.8	9.9	68	nw.	.....	.....	2	.....	10	.....	.....	.....	.....	showery.....	John Merrifield.
Sandwick Manse, Orkneys	29.68	753.9	29.78	756.4	39.1	3.9	73	.....	.....	.....	.....	.....	7	.....	.....	.....	.....	showery.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.94	760.5	30.00	762.0	60.6	15.9	63	sw.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds....	W. H. Lyne.
Sheffield	29.78	756 4	29.97	761.2	48.2	9.0	61	wsw.	.....	.....	3	.....	1	.....	.....	.....	.....	blue sky.....	W. F. Cooper.
Silloth Rectory	29.91	759.7	29.94	760.5	46.0	7.8	74	n.	.....	.....	3	.....	6	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	.....	29.99	761.7	45.0	7.2	62	wnw.	24	10.7	.....	.....	10	.....	.....	0.052	1.3	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	.....	48.6	9.2	62	nw.	.....	.....	3.5	.....	2	.....	.....	.....	.....	blue sky.....	Rev. G. H. Griffiths, F.M.S
Valencia, Observatory	30.17	766.3	30.20	767.1	49.7	9.8	75	wsw.	12	5.4	.....	.....	8	.....	.....	blank	blank	d. clouds...	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.38	746.2	29.77	756.1	59.4	15.2	83	ne.	6.2	2.8	.....	.....	10 n	.....	ne.	0.10	2.5	raining.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.85	758.2	29.97	761.2	63.7	17.6	96	e.	28	12.5	.....	.....	10 k	.....	se.	0.300	7.6	cloudy.....	The Staff.
CANADIAN.																			
Bathurst, N. B	30.22	767.6	30.26	768.6	10.0	—12.2	.....	calm	0	0	.....	0	2 n	.....	.....	0	0	blue sky.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.13	765.3	30.17	766.3	22	— 5.6	89	n.	15	6.7	.....	.....	10 s	.....	.....	0	c	cloudy.....	H. J. Cundall, C. E
Chatham, N. B*	30.20	767.1	30.27	768 8	15	— 9.4	90	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	G. A. Blair.
Cornwall, Ontario	30.00	762.0	30.21	767 3	26.1	— 3.3	92	ne.	.....	.....	1	3 cs	0	.....	.....	0	0	blue sky.....	Jas. Smith, M. A.
Dalhousie, N. B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	blue sky.....	H. A. Johnson.
Father Point, Quebec*	30.22	767.6	30.27	768.8	20.5	— 6.4	.....	w.	.....	.....	1	0	0	.....	.....	0	0	clear.....	J. McWilliams
Fort Garry, Manitoba*	30.26	768.6	30.28	769.1	13	—10.6	80	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	James Stewart.
Fredericton, N. B	29.33	745.0	30.24	768.1	13	—10.6	80	nw.	15	6.7	.....	0	0	.....	.....	0	0	blue sky.....	Dr. Thos. Harrison.
Grand Manan, N. B	30.20	767 1	30.28	769.1	10.0	— 8.9	91	calm	0	0	.....	0	0	.....	.....	0	0	fair.....	J. Chipman Seeley
Granton, Ontario	30.17	766.3	30.23	767.8	30	— 1.1	74	ne.	12	5.4	.....	hz.	0	.....	.....	0.22	5.6	fair.....	Jas. Grant.
Halifax, N. S*	29.14	740.1	30.30	769.6	29.0	— 1.7	100	calm	0	0	.....	10	0	.....	.....	0	0	gloomy.....	A. Allison.
Hamilton, Ontario	29.98	761.5	30.11	764.8	25	— 3.9	81	n.	9	4.0	.....	0	0	.....	.....	0.276	7.0	clear.....	Geo. Dickson, B. A.
Kingston, Ontario	29.76	755.9	30.18	766.6	38 2	3.4	84	sw.	.....	.....	1	2 k	0	w.	.....	0	0	blue sky	A. P. Knight, M. A.
Little Glace Bay, N. S	29.90	759.4	30.25	768.3	29	— 1.7	84	n.	7	3.1	.....	8 c	0	n.	.....	inap.	inap.	fair.....	C. H. Rigby.
London, Ontario	30.04	763.0	30.08	764.0	19.5	— 6.9	92	n.	6	2.7	.....	3 k	0	.....	.....	0	0	blue sky.....	E. B. Reed.
Medicine Hat, N. W. T	29.33	745.0	30.28	769.1	29.3	— 1.5	94	calm	.....	.....	0	0	8 s	.....	.....	0	0	d. clouds.....	John Ewart.
Minnedosa, N. W. T	27.83	706.9	30.25	768.3	22	— 5.6	92	se.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	28.20	716.3	30.28	769.1	14	—10.0	91	ne.	5	2.2	.....	0	5 s	.....	ne.	0	0	clear.....	C. H. McLeod, C. E.
Ottawa, Ontario	30.04	763.0	30.20	768 6	27	— 2.8	88	ne.	6	2.7	.....	0	0	.....	.....	0.07	1.8	clear.....	C. H. McLeod, C. E.
Parry Sound, Ontario*	30.01	762.2	30.25	768.3	10.8	— 8.4	85	n.	.....	.....	.....	0	0	.....	.....	inap.	inap.	blue sky.....	A. McCall, M. A.
Peterboro, Ontario	29.53	750.0	30.27	768.8	21	— 6.1	84	n.	3	1.3	.....	2 ck	2 ks	nw.	nw.	0	0	fair	Rev. R. Mosley.
Port Arthur	29.47	748.5	30.25	768.3	28.7	— 1.8	74	nw.	.....	.....	1	3 c	0	sw.	.....	0	0	blue sky.....	Wm. O'Connor, M.A.
Port Dover, Ontario	29.29	744.0	30.04	763.2	19	— 7.2	91	calm	0	0	.....	5 ck	0	sw.	.....	0	0	fair.....	W. P. Cooke.
Port Stanley, Ontario	29.53	750.0	30.26	768.6	31	— 0.6	89	nw.	3	1.3	.....	10 cs	0	nw.	.....	0.01	0.3	fair.....	H. Morgan.
Qu Appelle, N. W. T	29.59	751.6	30.27	768.8	31	— 0.6	92	nw.	2	0.9	.....	.....	10 k	.....	nw.	0.01	0.3	cloudy..	M. Payne.
Quebec, Quebec*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Rockliffe, Ontario*	29.89	759.2	30.27	768 8	22	— 5.6	96	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	Capt. Aswe, R. N.
St. Andrews, N. B	29.77	756.1	30.27	768.8	11	—11.7	87	n.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W. H. McIntyre.
St. John, N. B	30.15	765 8	30.20	767.1	29	— 1.7	90	ne.	2	0.9	.....	0	0	.....	.....	0.15	3.8	clear.....	
St. Pierre, N. F	30.06	763.5	30.21	767.3	25.2	— 3.8	96	ne.	8	3.6	.....	0	0	.....	.....	0.100	2.5	blue sky.....	G. Hutchinson.
Sangeen, Ontario*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commercial.
Stratford, Ontario	29.49	749.0	30.24	768.1	28	— 2.2	96	s.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy.....	
	28.94	735.1	30.28	769.1	31.0	— 0.6	81	calm	0	0	.....	6 ck	0	w.	.....	0.050	1.3	d. clouds.....	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	29.96	761.0	30.03	762.7	21	— 6.1	84	n.	18	8.0		0	5 k		n.	0	0	fair	T.C.Hill, C.E.
Toronto, Ontario*	29.88	758.9	30.28	769.1	33	0.6	65	n.	6	2.7		8 cs	0	w.		0.05	1.3	fair	Magnetic Observatory.
Woodstock, Ontario	29.19	741.4	30.31	769.9	30.0	— 1.1	85	w.	0	0		0	9 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	30.09	764.3	30.16	766.1	29	— 1.7	84	n.	4	1.8		2 c	0	w.		0.20	5.1	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.06	763.5	30.09	764.3	57.0	13.9	87	sw.					10 n			0.070	1.8	showery	I. Garfelt.
Cape Town, The Castle	30.10	764.5			61.0	16.1	58	sse.				2 ck	0			0.09	2.3		Capt.R.Gardner Warton
Springbok Fontein	27.93	709.4			68	20.0	51									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.58	751.4	29.69	754.1	43.5	6.4	97	e.			1		8		e.	0.370	9.4	misty	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					56.1	13.4	75	se.			1	0				0	0	clear	Leon Herrera.
Valparaiso	29.85	758.2	29.99	761.8	59.0	15.0	89	s.			1	0	0					clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.93	760.2	29.95	760.8	53.6	12.0	87	se.	3.8	1.7			10			0	0	covered	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.52	749.8	29.57	751.0	44.8	7.1	69	sw.	9	4			5						Oversergent Fischer.
Fanöe	29.52	749 8	29.54	750.3	41.5	5.3	87	w.			6		10					raining	Overloerer Lauridsen.
Godthaab, Greenland	29.41	747.1	29.46	748.2	0.5	—17.5	100	nw.			4–6		10					snowing	S. Kleinschmidt.
Ivigtut, Greenland	29.26	743.1	29.28	743.6	8.6	—13.0		n.			6		8						
Stykkisholm, Iceland	29.74	755.4	29.78	756.5	24.1	— 4.4	88	e.			8		8						A. O. Thoriacius.
Thorshavn	29.82	757.5	29.85	758.1	33.4	0.8	63	nw.	22	10.			7						Overloerer Bergh.
Upernavik, Greenland	29.43	747.4	29.47	748.6	—10.8	—23.8		calm			0		10					hazy	
Vestervig	29.32	744.7	29.41	747.0	41.2	5.1	88	w.			6		10						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	30.06	763.5			68.4	20.2		ne.	4.9	2.2		2 ck				0	0		Albert Ismatun, Dir.
FRENCH.																			
Agen, Normal School	29.62	752 4	30.28	769.2	49.3	9.6	92	w.			1		10 cn;n	nw.	nw.	0	0		M. Labroue, Director.
Alençon, Normal School	29.56	750.8	30.11	764.8	48.2	9	86	nw.			4		5		se.	0.043	1.1	cloudy	M. Nicot, Director.
Arras, Normal School	29.75	755.7	30.00	762.0	40.8	4.9	98	w.			4		8			0.071	1.8	very cloudy	M. Ungerer, Director.
Avignon, Normal School	29.90	759.5	29.98	761.5	55.8	13.2	26	nnw.			8		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.45	747.9	30.02	762.5	41.9	5.5	84	n.			1		10 kn		ne.	0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.75	755.6	30.02	762 4	48.2	9	52	wnw.			4		8		nw.	0.12	3.	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	29.07	738.4	29.97	761.3	41.0	5	87	ssw.			1		10 kn		ne.	0.138	3.5	raining	M. Gobin, Director.
Bordeaux, Observatory	29.95	760.8	30.22	767.5	51.4	10.8	72	nw.			1		5		nnw.	0	0	cloudy	M. Rayet, Director.
Bourges, Normal School	29.50	749.2	30.06	763.4	48.6	9.2	57	nw.			4		5		nw.	0.051	1.3	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	30.02	762.4	30.26	768 5	53.2	11.8	56	n.			2		3		n.	0.008	0.2		M. de Kermarec, Dir.
Caen, Normal School	29.94	760.4	30.01	762.3	50.4	10.2	97	nnw.			2		5		nnw.	0.12	3.	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.63	752.7	29.96	761.0	41.5	5.3	87	w.			1		10			0.039	1.0	covered	M. Jadot, Director.
Charleville, Normal School	29.45	748.1	29.97	761 1	46.0	7.8	63	nw.			1		10		wnw.	0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.71	729.3	30.11	764.8	41.7	5.4	63	nw.			2		10			0	0		M. Alluard, Director.
Cluny, Normal School	29.18	741.1	30.04	762 9	42.4	5.8	91	w.			1		8			0	0	very cloudy	M. de Villemontée, Dir.
Commercy, Normal School	29.10	739.1	29.97	761.3	39.9	4.4	92	wsw.			4		5 n	w.	w.	0.043	1.1	cloudy	Dr. Coulet, Director.
Gap, Normal School	27 32	693.9	29.86	758.4	50.0	10.	62	w.			6		1 k			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.76	730.4	29.89	759.1	52.3	11.3	18	nw.			10		1		n.	0	0		M. Kina, Director.
Grenoble, Normal School	29.27	743.5	30.01	762.2	51.1	10.6	43	wnw.			4		7 kn		n.	0	0		M. Ablard, Director.
Guéret, Normal School	28.54	725.0	30.17	766.4	39.2	4.	73	ne.			1		10 kn		ne.			hailing	M. Delorme, Dir.
Lambal e Normal School	29.89	759.2	30.17	766.2	46.8	8.2	61	n.			4		n		n.	0	0		M. Polipre, Dir.
Lescar, Normal School	29.74	755.4	30.29	769.4	55.0	12.8	50	w.			4		10			0.68	2	raining	M. Chauvin, Director.
Lorient, Naval Observatory	30.12	765.1	30.22	767.7	52.2	11.2	59	nw.			4		8	w.	nw.	0	0	¾ covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	29.00	736.7	30.08	764.0	46.0	7.8	52	s.			1		8 kn		nw.	0.130	3.3	very cloudy	M. André, Director.
Mans, Normal School	29.81	757 1	30.12	765.0	49.5	9.7	50	w.			4		5 kn		w.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.61	752.0	29.88	758.9	54.9	12.7	50	nw			10		1		nw.	0	0		M. Stephan, Director.
Montlouis	24.81	630.1	29.65	753 1	37.8	3.2	60	nw.	15.0	6.7			3	nw.		0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.87	758.6	29.98	761.4	57.9	14.4	67	nw.			8		2	nw.		0	0	slightly cl'dy	M. Galzin, Director.
Nancy, Normal School	29.10	739.2	29.91	759.6	43.5	6.4	70	ssw.			1					0	0		M. Hasse, Director.
Nantes, Observatory	30.06	763.6	30.22	767.7	48.7	9.3	63	nnw.			4		7 k;kn		nnw.	0	0		M. Larocque, Director.
Perpignan, Observatory	29.98	761.4	30.09	764.3	54.0	12.2	37	nw.	37.4	16.7			4		nw.	0.043	1.1		Dr. Fines, Director.
Pic-du-Midi, Summit	21.16	537.4			16.3	— 8.7		se.			1		5			0.551	14.0	cloudy	M. Vaussenat, Director.
Privas, Normal School	28.96	735.6	30.04	763.0	51.1	10.6	48	n.			6		1	s.	s.	0	0	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	25 05	636.2			26.2	— 3.2	100	w.			6		10			0.106	2.7		M. Alluard.
Rochefort, Naval Obs'y	30.17	766 2	30.22	767.6	57.2	14.0	57	w.			4		2		w.	0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.97	761.2	30.19	766.7	51.8	11	56	s.			1				nw.	0	0		M. Brotlier, Director.
Rodez, Normal School	27.97	710 5	30.17	766 4	43.7	6.5	58	se.			2		10		nw.			rain & hail	M. Seger, Director.
Rouen, Normal School	30.00	762.1	30.05	763.3	46.0	7.8	75	nw.			3		5		w.	0.106	2.7	cloudy	M. Moullot, Dir.
Saint Maur, Observatory	29.86	758.4	30.02	762.6	47.1	8.4	57	nw.			4		4		nw.	0.043	1.1		M. Renou, Director.
Toulouse, Observatory	29.52	749.8	30.25	768.3	50.2	10.1	70	wnw.			4		10	nw.		0.055	1.4	covered	M. Baillaud, Director.
Tours	29.95	760.7	30.13	765.3	49.6	9.8	61	nnw.			2			n.	nnw	inap.	inap.		M. de Tastes.
Versailles, Observatory	29.53	750.0	30.02	762 6	46.4	8.0	70	nw.			2		5			0.047	1.2	fair	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	30.15	765.7	30.30	769.5	54.3	12.4	57	nw.	25.5	11.4			4 k	w.	nw.	0.020	0.5		M. Carlier, Director.
GERMAN.																			
Ansbach	28.46	722.9	29.94	760.5	43.9	6.6	51	w.			4		9	w.		0.205	5.2		Prof. Jnedt.
Bamberg	29.02	737.1	29.86	758.4	48.4	9.1	44	w.			3		7 k		w.	0.217	5.5		Prof. Dr. Hoh.
Berlin	29.62	752.3	29.76	756.0	48.9	9.4	56	w.			3		10			0.087	2.2		Meteorological Institute
Breslau	29.30	744.1	29.82	757.5	38.7	3.7	95	nw.			4		10			0.028	0.7	sprinkling	Royal University Obs'y
Carlsruhe	29.48	748.8	29.95	760.7	43.9	6.6	71	w.			5		10	sw.		0.453	11.5		Albert Senx.
Cassel	29.09	738.8	29.80	756 9	47.1	8.4	62	wnw.			5		7	w.		0.098	2.5		Dr. H. Möhl.
Frankfort-on-the-Main	29.50	749.2	29.86	758.5	50.9	10.5	51	sw.			2		7			0.016	0.4		Physical Society.
Friedrichshafen	28.54	725.0	29.98	761.6	45.5	7.5	73	ssw.			3		7	w.		0.236	6.0		Wilhelm, Chief Tel.
Hamburg	29.63	752.7	29.72	755.0	43.9	6.6	76	wnw.			5		7			0	0		E. Preller.
Kiel	29.61	752.2	29.63	752.6	45.7	7.6	62	w.			4		7			0	0		Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.40	746.8	29.82	757.5	49.8	9.9	51	w.			2		8			0.189	4.8		H. Leppig, Asst.
Magdeburg	29.59	751.6	29.78	756.4	47.8	8.8	64	sw.			4		8	w.		0.102	2.6		Weather Observatory.
Memel	29.73	755.1	29.78	756.3	36.3	2.4	94	se.			3		10					foggy	Issermann.
Munich	28 12	714.2	29.98	761.4	40.8	4.9	81	w.			2		10	nw.		0.315	8.0	raining	Central Station.
Neufahrwasser	29.76	755.8	29.77	756.2	41.2	5.1	82	nw.			1		10			0.118	3.0		A. Lothes.
Neustadt, Palatinate	29.36	745.8	29.89	759.1	41.4	5.2	84	w.			2		10			0.173	4.4	light rain	Prof. Dickmether.
Stuttgart	28.93	734.9	29.84	757.8	48.7	9.3	49	w.			2		8	w.		0.008	0.2		Prof. Dr. Schoder.
Wustrow	29.66	753 3	29.68	753.9	43.3	6.3	94	sw.			4		8 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.68	753.8	30.06	763.5	62.4	16.9		s.			3.5	9	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.76	755.8	29.81	757.1	80.0	26.7	80	wsw.	26.0	11.6			0			0	0	blue sky	
Deesa	29.30	744.2	29.75	755.7	102.6	39.2	18	sw.	10.0	4.5			0			0	0	blue sky	
Bombay	29.74	755.4	29.78	756.4	82.5	28.1	81	nw.	14.0	6.3			0			0	0	blue sky	
Poona, Yarrowda	27.94	709.6	29.72	755.0	96.7	35.9	6	nne.	7.0	3.1			0			0	0	blue sky	
Belgaum	27.28	692.8	29.78	756.4	81.9	27.7	61	wsw.	11.0	4.9			6	e.		0.01	0.3	d. clouds	
Lahore	29.04	737.7	29.78	756.3	87.0	30.6	31	calm	0	0			0			0	0	blue sky	
Roorkee	28.81	731.8	29.69	754 1	91.2	32.9	27	calm	0	0			0			0	0	misty	
Agra	29.17	741.0	29.72	754.8	98.1	36.7	15	w.	2.0	0.9			0			0	0	blue sky	
Nagpur	28.72	729.6	29.73	755.2	97.2	36.2	11	calm	0	0			0			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.43	722 2	29.75	755.7	93.9	34.4	16	n.	4.0	1.8			0			0	0	blue sky	
Lucknow	29.34	745.1	29.70	754.4	93.0	33.9	20	nw.	4.0	1.8			0			0	0	blue sky	
Allahabad	29.40	746.6	29.70	754.4	94.0	34.4	19	nw.	2.0	0.9			0			0	0	blue sky	
Patna	29.52	749.8	29.70	754.5	88.6	31.4	28	nne.	5.9	2.6			0			0	0	blue sky	
Hazaribagh	27.71	703.9	29.68	753.8	87.6	30.9	20	wnw.	4.0	1.8			0			0	0	misty	
Cuttack	29.65	753.1	29.73	755 2	86.9	30.5	61	wsw.	9.0	4.0			0			0	0	blue sky	
Calcutta, Alipore	29.75	755.6	29.77	756 2	84.5	29.2	51	sse.	9.0	4.0			0			0	0	blue sky	
Dhubri	29.66	753.4	29.78	756 3	82.7	28.2	48	calm	0	0			7		wsw.	0	0	d. clouds	
Chittagong	29.75	755.7	29.84	758.0	78.0	25.6	70	sw.	3.1	1.4			1			0	0	misty	
Sibsagar	29.49	749.1	29.84	757.8	72.2	22.3	69	ne.	2.0	0.9			0			0	0	blue sky	
Jeypore	28.32	719.3	29.71	754 6	68.8	37.1	24	nw.	12.5	5.6			3		nw.	0	0	d. clouds	
Zanzibar	29.82	757.5	29.84	758.0	87.7	30.9	56	ene.	8.0	3.6			3	se.		0	0	d. clouds	
Bellary	28.29	718.6			96.0	35.6	18	ne.	4	1.8		3 ck	4			0	0	d. clouds	
Trichinopoly	29.54	750.3			95.2	35.1	39	ne.	0.2	0.1		2	2			0	0	d. clouds	
ITALIAN.																			
Udine	29.41	746.9	29.82	757.3	50.9	10.5	82	n.	4.3	1.9			10			0.079	2.0		Prof. Giovanni Olodig.
Milan	29.27	743.4	29.78	756.5	53.2	11.8	78	nne.	4.3	1.9			10	ssw.		0	0		Prof. G.V.Schiapparelli
Padua	29.64	752.8	29.75	755 6	56.7	13.7	82	sw.	8.1	3.6			10			0	0		Prof. Dott. Lorenzoni.
Moncalieri	26.82	732.1	29.73	755.1	60.4	15.8	46	e.	3.8	1.7			8	w.		0	0		Prof. F. F. Denza.
Genoa	29.58	751.2	29.77	756.1	59.5	15.3	44	s.	4.9	2.2			8	sw.		0	0		Prof. G. M. Garibaldi.
Pesaro	29.67	753 5	29.71	754.7	55.8	13.2	79	se)	4.9	2.2			10			0	0		Prof. Luigi Guidi.
Florence	29.47	748.4	29.72	754.9	61.2	16.2	46	calm			0		10			0	0		Prof. Costantino Pittei.
Leghorn	29.61	752 2	29.70	754.3	58.3	14.6	66	sw.	2.5	1.1			10			0	0		Prof. P. Monte.
Rome	29.55	750.5	29.72	754.9	52.3	11.3	90	ene.	3.8	1.7			10			0.681	17.3		Prof. P. Tacchini.
Lecce	29.60	751.7	29.85	758.2	58.6	14.8	68	se.	31.1	13.9			10	se.		0	0		Prof. C. de Giorgi.
Cosenza	28.90	734 1	29.80	756.8	53.6	12.0	76	sse.	3.1	1.4			10	se.		0.346	8.8		Prof. D. Conti.
Palermo	29.45	748.0	29.70	754.4	55.2	12.9	91	wsw.	2.5	1.1			10			0.224	5.7		Prof. G. Caccialore
Syracuse	29.68	753.9	29.72	755.0	61.7	16.5	74	sse	3.8	1.7			10	ese.		0.004	0.1		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.24	742.8			55.4	13.0	68	se.	9.8	4.4			10	ssw.		0.059	1.5		Prof. F. Brioschi.
JAPANESE.																			
Akita	29.97	761.2	30.00	762.1	40.6	4.8	87	calm			0		10k;ks		w.	0.276	7.0	cloudy	H. Hattori.
Awomori	29.98	761.5	30.02	762.5	34.0	1.1	85	ne.	0.3	0.1			10 s			0.015	0.4	overcast	K. Ogawa.
Hakodate	30.04	763.1	30.05	763.4	31.5	— 0.3	81	calm	0	0		0	8 s			0	0	cloudy	Y. Souma.
Hamamatsu	29.84	757 9	29.94	760.4	50.8	10.4	79	calm			0	0	0			0.303	7.7	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.00	762.0	30.02	762.5	50.8	10.4	88	n.	4.2	1.9		2 cs	0	w.		0	0	clear	Y. Okamoto.
Kagoshima	30.03	762.7	30.04	763.0	53.6	11.7	86	nw.			2	0	0			0	0	clear	
Kanazawa	29.92	759.9	30.03	762.6	44.5	6.9	87	e.	7.5	3.3		0	0			0	0	clear	S. Endo.
Kioto	29.85	758.1	30.02	762.5	47.1	8.4	79	e.	0.6	0.3		0	0			0	0	clear	M. Tojima.
Kochi	30.00	761.9	30.02	762.4	56.2	13.4	80	n.	4.5	2.0		0	0			0	0	clear	K. Kusunose.
Miasaka	29.99	761.8	30.02	762.5	53.1	11.7	94	se.			1	0	0			0	0	clear	K. Masusaki&T. Ishitain.
Miyako	29.93	760.2	30.04	763.0	34.3	1.3	88	e.	1.1	0.5			10 s			0.138	3.5	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.85	758.2	30.05	763.3	49.0	9.4	88	calm	0	0		0	0			0	0	clear	
Nemuro	30.05	763 3	30.10	764.5	24.0	— 4.4	73	calm	0	0		1 k	2 s			0	0	fair	A Shibuya.
Niigata	29.96	761.0	30.00	762.0	45.7	7.6	87	e.	0.4	0.2			10ks;s		w.	0.050	1.3	covered	Satoo & Tomikawa.
Nobiru	29.97	761.1	29.98	761.5	40.8	4.9	83	e.	5.8	2.6			10 s			0	0	covered	Yoshino & Midzushima.
Numadzu	29.90	759.4	29.94	760.5	44.6	7.0	94	n.			2	0	0			0.367	7.8	clear	T. Ohgi.
Osaka	30.01	762.2	30.03	762.6	47.6	8.7	92	se.	0.8	0.4		0	0			0	0	clear	d. Omura.
Sakai	30.01	762.2	30.02	762.4	51.3	10.7	84	w.			2		9 ks		w.	0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	30.01	762 2	30.08	763.9	29.0	— 1.7	75	nw.	5.9	2.6			10 s			0.125	3.2	covered	S. Kimura.
Shimonoseki	29.90	759.4	30.04	763.1	49.2	9.6	91	wnw.			1	0	0			0	0	clear	S. Sakano.
Tokei Obs'y, Yedo	29.87	758.7	29.95	760.7	44.0	6.7	84	n.	10.7	4.7		0	0			0.163	4.1	clear	The Staff.
Wakayama	29.96	761.0	30.01	762.3	49.7	9.8	86	calm	0	0		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.72	754.9	29.91	759.7	80.2	26.8	74	e.	15.5	6.9			10ka;kn		ese.	0.05	1.3	overcast	The Staff.
MEXICAN.																			
Leon	24.32	617.7	30.07	763.8	51.8	11.0	71	calm	0	0		8 c	2 s			0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.71	754.6	29.97	761.2	67.5	19.7	87	e.	1.6	0.8		10 cs	0	w.		0	0	covered	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.93	760.1	29.93	760.1	45.5	7.5		nw.			5					0.079	2.0		
Groningen	29.70	754.4	29.70	755.8	41.0	5.0		nw.			2					0.055	1.4		
Helder	29.82	757.3	29.82	757.3	41.9	5.5		nw.			4					0	0		
Hellevoetsluis	29.87	758.7	29.87	758.7	43.2	6.2	77	wnw.			3					0.146	3.7		
Utrecht	29 84	757.4	29.87	758.6	45.3	7.4	77	wnw.			4		7			0.126	3.2	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.82	757.3			77.0	25.0	85	w.	2.0	0.9			10			0.492	12.5		Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.27	743.4	29.33	745.0	42.8	6.0	79	nnw.	27	12			10			0	0		
Breno	29.20	741.7	29.24	742.7	45.0	7.2	55	sse.			2		5			0	0		
Christiania	29.13	739.9	29.28	743.6	39.0	3.9	92	s.	9	4			10			0.031	0.8	raining	
Gjæsver	29.38	746.2	29.40	746.8	33.4	0.8		ene.			2		10			0.157	4.0	light snow	
Lodingen	29.24	742.7	29.29	743.9	42.1	5.6	60	ne.			1		9			0.020	0.5		
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos.
Funchal, Madeira																			Capt. D. A. de Cunha.
Lisbon, Observatory	30.03	762.7	30.11	764.9	64.4	18.0	53	e.	11.2	5.0			2	e.		0	0		The Staff.
Ponta Delgada, Azores	29.86	758.5	30.20	767.1	61.0	16.1	47	nne.	13.6	6.1			0			0	0		
Saint Paul de Loando	30.10	764.4	30.17	766.2	63.0	17.2	72	se.	6.3	2.8			4			0.469	11.9		
St. Vincent, Cape Verd Ids.	30.00	761.9	30.03	762.8	69.1	20.6	67	ne.			2		1			0	0		
San Salvador, Congo	27.98	710 7	29.77	756.1	88.7	31.5	58	n.			3		6			0	0		
Serra da Estrella	25.44	646.2	30.21	767.4	47.3	8.5	21	se.	9.8	4.4			3			0	0		
RUSSIAN.																			
Akmolinski	29.13	740 0	30.31	769 9	14.2	— 9.9	80	ese.	9	4		5 cs	0			0	0		Major K. Lasarew.
Archangel	29.97	761.3	29.99	761.8	31.5	— 0.3	76	s.	4	2		0	0			0	0		Capt. Sselliwerstow
Ashuruda	29.97	761.2	29.87	758.8	59.0	15.0	71	nw.	9	4		0	3 k			0	0		
Astrakhan	29.97	761.3	29.90	759.4	43.7	6.5	60	calm	0	0		0	7 s;n						Capt. Wisganow.
Baku	29.92	759.9	29.87	758.7	46.6	8.1	63	nnw.	18	8		5 ck	0			0	0		
Barnaul	29.84	757.8	30.38	771.6	18.0	— 7.8	60	calm	0	0			0			0	0		Meteorological Office.
Bielooersk	29.65	753.1	30.14	765.5	34.0	1.1	63	sse.	4	2			10 ks			0	0		
Dorpat	29.19?	741.5?	29.44?	747.8?	36.0	2.2	75	sse.	9	4			10 n			0.394	10.0	snowing	Rosenthal.
Ekaterinburg	29.26	743.1	30.28	769.0	26.8	— 2.9	57	ese.	4	2		5 c	0			0	0	light clouds	Meteorological Obs'y
Elisawetgrad	29.62	752.4	30.09	764.3	36.9	2.7	57	ese.	4	2			10			0	0		
Kasan																			Observatory.
Kem																			
Kertch	29.90	759.5	29.95	760.8	25.5	— 3.6	71	s.	45	20			7 k			0	0		
Kieff	30.04	763.0	30.06	763.6	35.2	1.8	68	nw.	4	2		4 cs	0			0	0		Lagorio & Sastyres.
Koslov	29.35	745.5	30.01	762.3	30.6	2.2	58	sse.	7	3			10 ks			blank	blank		Observatory.
Lgov	29.40	748.3	29.99	761.7	31.8	— 0.7	71	ene.	9	4			10 s			0	0		
Libau	29.50	749.3	30.12	765.0	27.7	— 2.4	63	calm	0	0			8			0	0		R.I.Ssaweljew, Director.
Lugan	29.71	754.0	29.73	755.2	39.7	4.3	85	ssw.	9	4			10			0	0		L. Quass.
Moscow	29.67	753.5	29.88	758.9	34.7	1.5	67	nnw.	22	9			8			0	0		Meteorological Obs'y
Nertschinsk	29.58	751.3	30.08	764.0	32.5	0.3	68	calm	0	0		0	7 ks			blank	blank		Meteorological Obs'y
Nikolaiev	27.74	704.7	30.23	767.8	10.0	—12.2	51	calm	0	0			0			0	0		
	30.00	761.9	30.07	763.7	43.3	6.3	66	s.	13	6		cs	7 n			0	0		Capt. Kurdakow.

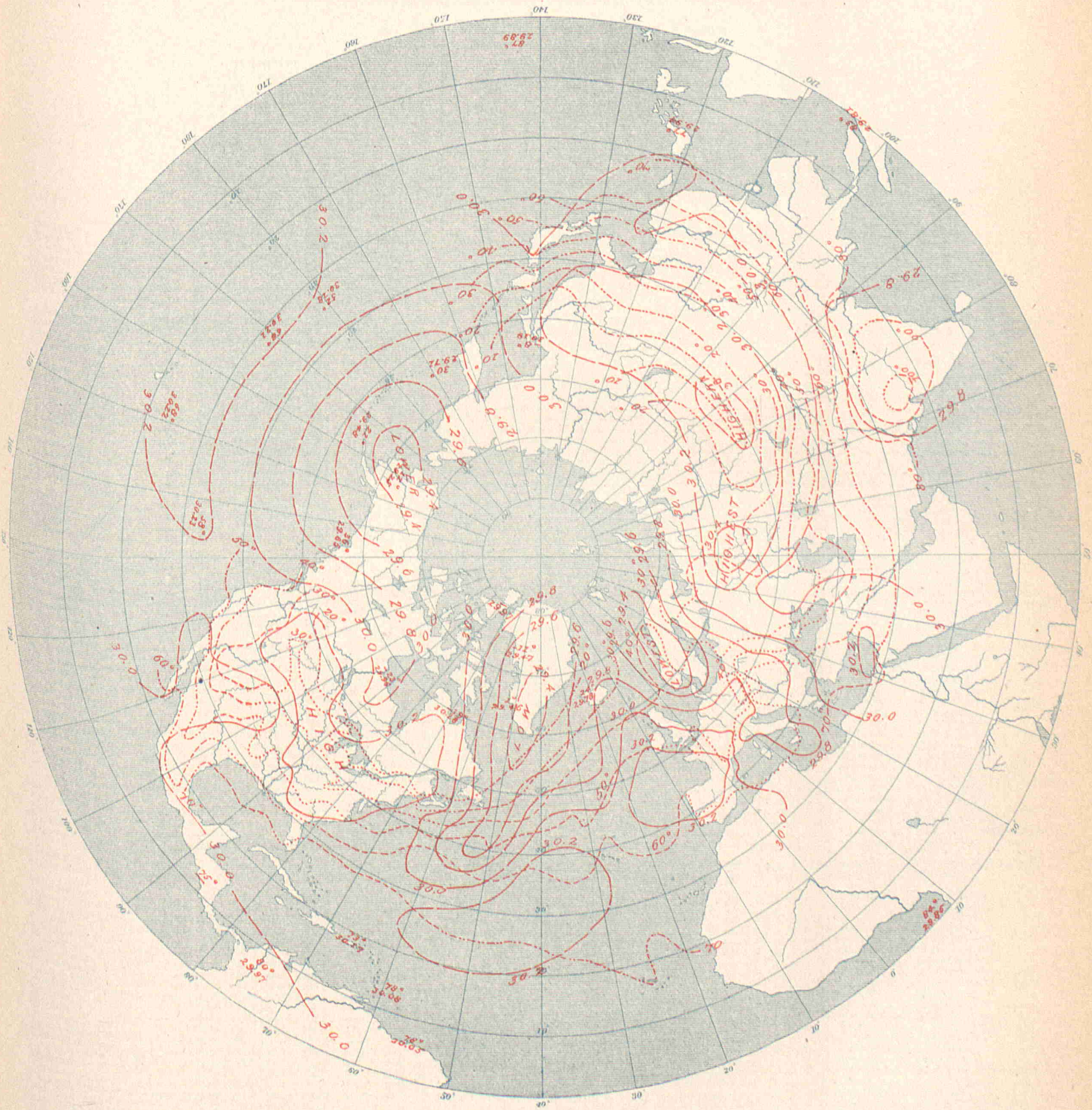
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaiewsk-on-the-Amoor.	30.10	764.5	30.19	766.7	— 7.6	—22.0	59	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.06	763.4	30.20	767.0	34.2	1.2	41	sw.	2	1	.....	0	4 k	.....	.....	0.165	4.2	.....	Siang.
Petro-Alexandrovsk	29.62	752 4	29.97	761 3	58.3	14.6	44	ese.	1.1	0.5	.....	.....	4 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.82	757.5	30.03	762.7	32.2	0.1	60	s.	16	7	.....	.....	9 ks	.....	.....	0	0	.....	Dr. Berkmann.
Pinsk	29.38	746.3	29.89	759.1	44.2	6.8	76	w.	4	2	.....	0	2 k	.....	.....	0	0	.....	
Poti	30.08	764.0	30.11	764 8	44.6	7.0	92	wsw.	7	3	.....	.....	10 n	.....	.....	0.201	5.1	raining	
St. Petersburg	29.95	760.6	29.97	761.2	30.7	— 0.7	64	s.	20	9	.....	.....	10 ks	.....	.....	0	0	light clouds	Central Physical Obs'y.
Samarkand	27.50	698.6	29.97	761.3	53.6	12.0	67	se.	7.8	3.5	.....	0	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.72	754.9	30.46	773.6	5.5	—14.7	82	calm	0	0	.....	.....	10	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.84	757 8	30.05	763.3	50.7	10.4	69	n.	7	3	.....	5 cs	0	.....	.....	0	0	.....	
Staroi Bykhov	29.45	748.1	30.03	762.7	36.3	2.4	52	ese.	9	4	.....	cs	5 k	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.35	720.2	30.02	762.5	55.8	13.2	36	calm	0	0	.....	.....	0	.....	.....	.....	.....	.....	Terch, A. al
Tiflis	28.57	725.7	30.02	762.6	42.4	5.8	55	nnw.	38	17	.....	0	7 n	.....	.....	inap.	inap.	.....	Physical Observatory
Vernoe	27.59	700 7	30.18	766.6	35.8	2.1	67	ne.	2	1	.....	0	1 k	.....	.....	.....	.....	.....	Larlono.
Viatka	29.96	760 9	30.63	777.9	28.8	— 1.8	47	calm	0	0	.....	.....	1	.....	.....	0	0	.....	
Vladivostock	30.18	766.6	30.25	768.3	14.9	— 9.5	62	ne.	22	10	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.26	743.2	29.68	753.8	54.1	12.3	72	se.	11	5	.....	ck	10 s	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.89	759.2	30.19	766.9	26.2	— 3.2	61	sw.	2	1	.....	.....	10	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.47	748.5	29.99	761.7	33 9	1.1	52	s.	9.9	4.4	.....	0	6	.....	se.	blank	blank	fair	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.86	758.5	29.97	761.3	56.8	13.8	69	ne.	.....	.....	.....	0	0	.....	.....	0	0	clear	B. Jelin.
Bilbao, Met. Obs'y	30.27	768.8	30.33	770.3	55.4	13.0	71	nw.	2.0	0.9	.....	2	7	n.	.....	0.291	7.4	almost cov'd	Prof. Manuel de Navaran
Burgos, Met. Obs'y	27.28	692.9	30.33	770.4	46.0	7.8	57	ne.	6.9	3.1	.....	.....	5	.....	.....	0	0.	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.99	710.9	30.26	768.6	51.8	11.0	54	w.	4.3	1.9	.....	1	0	.....	.....	0	0	almost clear	The Staff.
Murcia, Met. Obs'y	29.95	760.7	30.08	763.9	64.0	17.8	59	nnw.	3.8	1.7	.....	0	0	.....	.....	0	0	clear	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.33	744 9	30.22	767.7	60.3	15.7	49	ne.	9.8	4.4	.....	.....	1	.....	.....	0	0	almost clear	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.06	763.5	30.12	765.1	73.8	23.2	82	e.	1.1	0.5	.....	cs	4 k;s	w.	e.	0	0	fair	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	759 0	29.94	760.5	77.3	25.2	57	e.	11.0	4.9	.....	0	s	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	30.05	763.2	30.15	765.7	65.7	18.7	53	ne.	12.9	5.8	.....	0	2	.....	n.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	30.08	764.0	30.17	766 3	72.7	22.6	75	s.	7.4	3.3	.....	4 cs	2 k	s.	s.	0	0	.....	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	29.58	751.3	29.62	752.3	28.0	— 2.2	100	sse.	.....	.....	6	.....	10	.....	.....	0.055	1.4	.....	
Umea	29.43	747.5	29.48	748.8	34.2	1.2	96	sw.	.....	.....	4	.....	10	.....	.....	0.323	8.2	.....	
Hernosand	29.35	745.5	29.40	746.8	34.9	1.6	93	sw.	.....	.....	4	.....	10	.....	.....	0.024	0.6	.....	
Stockholm	29.35	745.5	29.53	750.0	42.4	5.8	82	s.	.....	.....	2	.....	10	.....	.....	0.047	1.2	.....	
Wisby	29.55	750.6	29.61	752.1	43.9	6.6	71	wsw.	.....	.....	4	.....	5	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.38	746 3	29.47	748 5	42.3	5.7	85	s.	14.3	6.4	.....	.....	8	.....	sw.	0.055	1.4	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.61	726.7	30.05	763.3	48.9	9.4	40	wnw.	.....	.....	2	.....	9	.....	.....	0.020	0.5	.....	
TURKISH.																			
Constantinople	.....	.....	30.04	763.1	64.9	18.3	42	sw.	10	4.5	.....	.....	6	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.99?	761.8?	62.2	16.8	.....	s.	.....	.....	3	.....	10	.....	.....	0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.21	767.2	64.0	17.8	66	sw.	.....	.....	2	.....	2 k	.....	se.	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	30.20	767.1	30.29	769.4	38	3.3	82	n	1	0.4	.....	.....	10 s	.....	.....	0.17	4.3	cloudy	J. O. Barnes.
Alpena, Michigan	29.55	750.6	30.25	768.3	24.3	— 4.3	73	nw.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.91	632.7	29.93	760.2	29.2	— 1.6	70	e.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assiniaboine, Ft., Montana	27.34	694.4	30.36	771.1	29.6	— 1.3	81	calm	0	0	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	J.J.O'Connor.
Atlanta, Georgia	29.03	737.3	30.24	768.1	48.6	9.2	75	n.	8	3.6	.....	1 c	0	w.	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	30.20	767.1	30.21	767.3	39.0	3.9	100	n.	1	0.4	.....	.....	10 n	.....	.....	0.05	1.3	light rain	B.A.Blundon.
Augusta, Georgia	30.05	763.3	30.25	768 3	56	13.3	62	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	30.22	767.0	30.27	768.8	45.7	7.6	63	n.	4	1.8	.....	2 cs	0	n.	.....	0	0	clear	Geo. W. Felger.
Barnegat City, New Jersey	30.20	767.1	30.22	767.6	39.0	3.9	89	ne.	10	4.5	.....	.....	10s;fg	.....	.....	0.29	7.4	light rain	J.P.Sherry.
Bennett, Fort, Dakota	28.61	726.7	30.31	769.9	32.0	0.0	94	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	A. Pritchard.
Benton, Fort, Montana	27.42	696 5	30.40	772 1	21.8	— 4.0	62	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	C.S.Bennett.
Bismarck, Dakota	28.39	721.1	30.31	769 9	22.5	— 5.3	96	n.	4	1.8	.....	.....	fg.	.....	.....	0	0	dense fog	B. O. Lenoir.
Block Island, Rhode Island	30.18	766.6	30.21	767.3	38.0	3.3	89	n.	12	5.4	.....	1 cs	9 s	.....	.....	0.74	18.0	cloudy	J. T. Elker.
Boise City, Idaho	27.26	692.4	30.18	766.6	34.8	1.6	84	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	James Kenealy.
Boston, Massachusetts	30.08	764.0	30.24	768.1	38.8	3.8	62	ne.	8	3.6	.....	9 c	0	n.	.....	1.05	26.7	cloudy	O. B. Cole.
Brownsville, Texas	29.90	759.4	29.96	761.0	67.2	19.6	93	ne.	9	4.0	.....	.....	10 s	.....	se.	0.02	0.5	cloudy	John McGlone.
Buffalo, New York	29.48	748 8	30.27	768.8	32.5	0.3	94	sw.	5	2.2	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.19	716.0	30.35	770.9	26	— 3.3	92	nw.	4	1.8	.....	.....	1c s	.....	.....	inap.	inap.	cloudy	A. Schneider.
Cairo, Illinois	29.86	758.4	30.28	769.1	45.5	7.5	83	se.	7	3.1	.....	0	0	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.83	757.7	30.03	762.7	42.3	5.7	89	e.	11	4.9	.....	0	0	.....	.....	0.03	0.8	clear	J.H.Young.
Cape Henry, Virginia	30.23	767.8	30.25	768.3	45.0	7.2	83	ne.	11	4.9	.....	3 cs	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	30.19	766.8	30.22	767.6	41.5	5.3	88	n.	6	2.7	.....	.....	10 s	.....	n.	0.03	0.8	cloudy	W.E.Smith.
Cape Mendocino, California	29.36	745.7	30.05	763.3	44.3	6.8	78	nw.	12	5.4	.....	0	7 s	.....	n.	0	0	fair	A. P. Leavitt.
Cedar Keys, Florida	30.16	766.1	30.18	766.6	64.0	17.8	90	nw.	7	3.1	.....	7 c	0	sw.	.....	0	0	fair	G. W. Davis.
Charleston, S. Carolina	30.10	764.5	30.16	766.1	58.5	14.7	70	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.37	746.0	30.25	768.3	52.7	11.5	59	ne.	4	1.8	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.43	747.5	30.28	769.1	47.5	8.6	86	ne.	2	0.9	.....	0	hz.	.....	.....	inap.	inap.	clear	B. L. Goulding.
Cheyenne, Wyoming	23.84	605.5	30.04	763.0	24.1	— 4.4	88	ne.	12	5.4	.....	.....	10 n	.....	.....	0.53	13.5	light snow	E. McGovern.
Chicago, Illinois	29.55	750.6	30.29	769.4	37.5	3.1	79	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	Wm. Norrington.
Chincoteague, Virginia	30.21	767.3	30.23	767 8	43.0	6.1	74	ne.	6	2.7	.....	0	5 ks	.....	ne.	0	0	fair	C. F. Dickens
Cincinnati, Ohio	29.60	751.8	30.30	769 6	45.8	7.7	80	ne.	4	1.8	.....	.....	10 s	.....	ne.	0	0	cloudy	L. Dunne.
Cleveland, Ohio	29.53	750.0	30.31	769.9	33.0	0.6	100	sw.	3	1.3	.....	.....	fg	.....	sw.	0.01	0.3	dense fog	W. Line.
Columbus, Ohio	29.40	746.7	30.29	769.4	41.2	5.1	73	w.	2	0.9	.....	.....	10 s	.....	w.	inap.	inap.	cloudy	F.T. Williams
Concho, Fort, Texas	28.09	713.5	30.06	763.5	53.1	11.7	86	w.	8	3.6	.....	.....	10 s	.....	s.	0	0	cloudy	C. E. King.
Custer, Fort, Montana	27.00	685.8	30.33	770.4	31	— 0.6	100	n.	2	0.9	.....	.....	10 n	.....	.....	0.07	1.8	light snow	W.J.Daily.
Davenport, Iowa	29.55	750.6	30.24	768.1	38.5	3.6	71	se.	2	0.9	.....	.....	10s;fg	.....	se.	0	0	cloudy	K. R. Martin.
Davis, Fort, Texas	25.17	639.3	30.04	763.c	38.0	3 3	66	sw.	5	2.2	.....	0	7 ks	.....	sw.	0	0	fair	J. Williams
Dayton, Washington T'y	28.36	720.3	30.18	766.6	33.2	0.7	79	e.	6	2.7	.....	0	0	.....	.....	0	0	clear	T.Gibson.
Deadwood, Dakota	25.46	646.7	30.30	769.6	30.5	— 0.8	80	e.	5	2.2	.....	.....	10 n	.....	.....	0.06	1.5	light snow	G.W.Scott.
Delaware Breakwater, Del	30.22	767.6	30.24	768.1	39.7	4.3	92	ne.	7	3.1	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	G.A.Martin.
Denver, Colorado	24.54	623.3	29.98	761'5	31.0	— 0.6	100	n.	6	2.7	.....	.....	10 n	.....	.....	0.20	5.1	light snow	F. M. Neal.
Des Moines, Iowa	29.29	744 0	30.25	768.3	41.8	5.4	85	ne.	2	0.9	.....	.....	10 s	.....	ne.	0.13	3.3	threatening	F. W. Conrad.
Detroit, Michigan	29.56	750.8	30.30	769.6	41.0	5.0	82	calm	0	0	.....	6 ck	0	.....	.....	0.01	0.3	fair	N.B.Conger.
Dodge City, Kansas	27.18	690 4	29.91	759.7	49.2	9.6	71	se.	19	8.5	.....	0	1 s	.....	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.53	750.0	30.28	769.1	37.7	3.2	79	ne.	3	1.3	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	J. Harvey Smith
Duluth, Minnesota	29.30	745.7	30.15	765.8	30.2	— 1.0	84	sw.	9	4.0	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
Eastport, Maine	30.14	765 5	30.21	767.3	30.5	— 0.8	62	n.	12	5.4	.....	0	0	.....	.....	0.03	0.8	clear	D. C. Murphy.
Elliott, Fort, Texas	27.10	688 3	29.93	760.2	51.3	10.7	68	se.	12	5.4	.....	.....	10 s	.....	sw	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.18	665.0	29.98	761.5	48.0	8.9	27	w.	2	0.9	.....	0	5 s	.....	w	0	0	fair	F. Belford.
Erie, Pennsylvania	29.53	750 0	30.30	769.6	35.5	1.9	89	sw.	3	1.3	.....	0	8 k	.....	sw.	0.07	1.8	cloudy	P. Wood.
Escanaba, Michigan	29.18	748.8	30.19	766.8	20.2	— 6.6	73	s.	3	1.3	.....	2 c	0	sw.	.....	0	0	clear	L.M.Pindell.
Fort Smith, Arkansas	29.62	752.3	30.10	764.5	50.2	10.1	64	e.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.03	762.7	30.07	763.8	63.8	17.7	93	e.	8	3.6	.....	6 ck	0	sw.	.....	0	0	fair	E. O'C. Macinerny
Grand Haven, Michigan	29.57	751.1	30.27	768.8	36.2	2.3	88	calm	0	0	.....	.....	10s;fg	.....	sw.	0.03	0.8	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.14	638.5	29.97	761.2	38.8	3.8	51	e.	5	2.2	.....	7 cs	0	sw.	.....	0	0	fair	Chas. A. Read.
Hatteras North Carolina	30.16	766.1	30.18	766.6	51.6	10.9	77	n.	14	6.3	.....	3 k	0	ne.	.....	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. c-to	Clouds. Amount and kind. Upper. c-to	Clouds. Amount and kind. Lower. c-to	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.97	659.6	30.29	769.4	30	— 1.1	76	n.	4	1.8	.....	o	o	.....	.....	0.02	0.5	clear	S.W.Morrison.
Huron, Dakota	28.81	731.8	30.29	769.4	35.4	1.9	81	e	3	1.3	.....	.....	10 k	.....	.....	o	o	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.42	747.3	30.26	768.6	42.5	5.8	73	n	2	0.9	.....	.....	10 s	.....	n.	o	o	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.99	761.7	30.02	762.5	64.2	17.9	99	e.	11	4.9	.....	.....	10 s	.....	s.	o	c	cloudy	L. A. Reed.
Jacksonville Florida	30.12	765.0	30.17	766.3	62.5	16.9	91	e.	4	1.8	.....	5 cs	fg.	W.	.....	o	o	fair	J. W. Smith.
Keokuk, Iowa	29.56	750.8	30.25	768.3	40.0	4.4	89	se.	6	2.7	.....	.....	10 s	.....	se.	0.03	0.8	cloudy	F. Z. Gosewisch.
Key West, Florida	30.10	764.5	30.12	765.0	74	23.3	84	se.	2	0.9	.....	2 cs	2 k	sw.	se.	o	o	fair	J.J.Lackey.
Kittyhawk, North Carolina	30.21	767.3	30.23	767.8	47.2	8.4	78	ne.	16	7.2	.....	4 k	o	ne.	.....	o	o	fair	Wesley Blake.
Knoxville, Tennessee	29.22	742.2	30.28	769.1	42	5.6	96	n.	1	0.4	.....	o	fg.	.....	.....	inap.	inap.	clear	J. A. Cody.
La Grosse, Wisconsin	29.44	747.8	30.26	768.6	37.8	3.2	69	n.	1	0.4	.....	.....	10 s	.....	.....	o	o	cloudy	S. C. Emery.
Leavenworth, Kansas	29.19	741.4	30.13	765.3	41	5.0	92	e.	5	2.2	.....	.....	10 n	.....	e.	0.09	2.3	light rain	C.Dill.
Lewiston, Idaho	29.30	744.2	30.16	766.1	34.0	1.1	78	calm	0	0	.....	o	o	.....	.....	o	o	clear	C. E. Butler.
Little Rock, Arkansas	29.84	757.9	30.17	766.3	49.5	9.7	86	e.	2	0.9	.....	o	o	.....	.....	o	o	clear	W.U.Simons.
Los Angeles, California	29.60	751.8	30.00	762.0	48.7	9.3	73	ne.	7	3.1	.....	o	o	.....	.....	o	o	clear	T. S. Collins.
Louisville, Kentucky	29.68	753.9	30.27	768.8	46.9	8.3	82	nw.	3	1.3	.....	.....	10 s	.....	n.	o	o	cloudy	E.B.Garriott.
Lynchburg, Virginia	29.54	750.3	30.26	768.6	45.5	7.5	76	ne.	2	0.9	.....	10 k	o	W.	.....	o	o	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.52	749.8	30.22	767.6	26.8	— 2.9	61	sw.	1	0.4	.....	o	o	.....	.....	o	o	clear	D. B. Notson.
Macon, Fort, North Carolina	30.18	766.6	30.19	766.8	51.7	10.9	76	ne.	17	7.6	.....	hz.	o	.....	.....	o	o	clear	William Daly.
Maginnis, Fort, Montana	25.64	651.2	30.24	768.1	30.3	— 0.9	59	w.	5	2.2	.....	o	o	.....	.....	o	o	clear	F. Burke.
Marquette, Michigan	29.38	746.2	30.14	765.5	36.4	2.4	68	w	14	6.3	.....	o	5 k	.....	W.	o	o	fair	J. Gilligan.
Memphis, Tennessee	29.83	757.7	30.18	766.6	47.0	8.3	86	ne.	4	1.8	.....	o	o	.....	.....	o	o	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.49	749.0	30.28	769.1	32.9	0.5	83	w.	8	3.6	.....	o	9 s	.....	W.	o	o	cloudy	S.W.Rhode.
Mobile, Alabama	30.11	764.8	30.15	765.8	57.4	14.1	90	n.	5	2.2	.....	8c;cs	o	sw.	.....	o	o	cloudy	H. U. Jones.
Montgomery, Alabama	29.97	761 2	30.21	767.3	52.5	11.4	78	n.	1	0.4	.....	1 cs	o	.....	.....	o	o	clear	S.M.Leitsell.
Moorhead, Minnesota	29.20	741.7	30.28	769.1	25	— 3.9	88	w.	3	1.3	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	H. Bessant.
Mt. Washington, N. H	23.81	604.8	30.33	770.4	19.2	— 7.1	74	e.	2	0.9	.....	2 cs	o	e.	.....	0.13	3.3	clear	J.H.Melton.
Nashville, Tennessee	29.67	753.6	30.27	768.8	44.2	6.8	95	ne.	1	0.4	.....	o	fg.	.....	.....	inap.	inap.	clear	L. N. Jesunofsky.
New Haven, Connecticut	30.10	764 5	30.22	767.6	38	3.3	89	n.	8	3.6	.....	.....	10 s	.....	.....	0.31	7.9	cloudy	J. H. Sherman.
New London, Connecticut	30.18	766.6	30.23	767.8	39.0	3.9	89	nw.	4	1.8	.....	.....	10 s	.....	nw.	0.59	15.0	cloudy	J. G. Lynch.
New Orleans, Louisiana	30.08	764.0	30.14	765.5	62.0	16.7	93	e.	4	1.8	.....	6 c	fg.	W.	.....	o	o	fair	M. Herman.
New York, New York	30.06	763.5	30.24	768.1	41.1	5.1	75	calm	0	0	.....	.....	10n;fg	.....	.....	0.37	9.4	light rain	W.Finn.
Norfolk, Virginia	30.21	767.3	30.24	768.1	48.6	9.2	73	n.	1	0.4	.....	o	4 k	.....	sw.	o	o	fair	Wm. Davis.
North Platte, Nebraska	26.98	685.3	30.04	763.0	34.6	1.4	79	e	20	8.9	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	E.F.Brady.
Olympia, Washington Ter	30.05	763.3	30.09	764.3	40.5	4.7	73	calm	0	0	.....	o	o	.....	.....	o	o	clear	J. Dascomb.
Omaha, Nebraska	28.94	735.1	30.19	766.8	39.1	3.9	91	e.	9	4.0	.....	.....	10 n	.....	e.	0.33	8.4	light rain	A. Pollak
Oswego, New York	29.90	759.4	30.24	768.1	35.5	1.9	73	nw.	2	0.9	.....	7 c	hz.	nw.	.....	0.03	0.8	fair	J. G. Linsley.
Palestine, Texas	29.52	749.8	30.09	764.3	50.2	10.1	70	se.	11	4.9	.....	o	o	.....	.....	o	o	clear	P. T. Jenkins.
Pensacola, Florida	30.13	765.3	30.16	766.1	58.3	14.6	98	e.	3	1.3	.....	1 cs	8 s	.....	sw.	o	o	cloudy	M. McGauran.
Philadelphia, Pa	30.14	765.5	30.24	768.1	41 0	5.0	100	ne.	8	3.6	.....	.....	10 s	.....	ne.	0.06	1.5	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.39	441.7	29.98	761.5	— 3.0	—19.4	79	w.	24	10.7	.....	6 cs	o	W.	.....	inap.	inap.	fair	H. Hall.
Pittsburg, Pennsylvania	29 43	747.5	30.28	769.1	39.0	3.9	86	nw.	2	0.9	.....	.....	1cs;fg	.....	W.	inap.	inap.	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	27.7	— 2.4	.....	.....	.....	.....	.....	o	5 c	.....	.....	0.06	1.5	fair	Geo.A.Carden.
Port Huron, Michigan	29.54	750.3	30.26	768.6	29.5	— 1.4	88	n.	2	0.9	.....	o	6 s	.....	n.	0.05	1.3	fair	M. H. Perry
Portland, Maine	30.21	767.3	30.26	768.6	30.2	2.3	60	n	7	3.1	.....	2 c	o	nw.	.....	0.07	1.8	clear	W. W. Eichelberger.
Portland, Oregon	29.98	761.5	30.05	763.3	35.2	1.8	88	calm	o	o	.....	.....	fg.	.....	.....	o	o	dense fog	M. L. Hearn.
Prescott, Arizona	24.63	625 0	30.02	762.5	22.0	— 5 6	80	calm	o	o	.....	o	o	.....	.....	o	o	clear	N. D. Lane.
Provincetown, Mass	30.19	766.8	30.22	767.6	37.9	3.3	81	n.	12	5 4	.....	10ck;cs	o	.....	.....	0.50	12.7	cloudy	O. N. Kitchel.
Red Bluff, California	29.70	754.4	30.07	763.8	41.5	5.3	69	nw.	8	3.6	.....	o	o	.....	.....	o	o	clear	J. R. Williams.
Rio Grande City, Texas	29.77	756.1	30.01	762.2	67.0	19.4	92	se.	8	3.6	.....	.....	fg.	.....	se.	o	o	dense fog	L. G. Schultz.
Rochester, N. Y	29.55	750.6	30.25	768.3	31	— 0.6	88	nw.	4	1.8	.....	5 c	sk.	W.	.....	0.13	3.3	fair	E. W. McGann.
Roseburg, Oregon	29.51	749.5	30.07	763.8	36	2.2	89	calm	o	o	.....	o	o	.....	.....	o	o	clear	J. J. Nanry.
Sacramento, California	29.98	761.5	30.05	763 3	44.5	6.9	83	se.	6	2.7	.....	o	o	.....	.....	o	o	clear	J. A. Barwick.
St. Louis, Missouri	29.62	752.3	30.27	768.8	43.8	6.6	95	ne.	9	4.0	.....	2cs;hz	6k;sk	.....	W.	o	o	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.22	742.2	29.25	742.9	12.2	—11.0	100	n.	14	6.3	.....	o	8 s	.....	n.	o	o	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.35	745 5	30.26	768.6	31.0	— 0.6	77	sw.	5	2.2	.....	.....	10 s	.....	.....	o	o	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.31	744 5	30.25	768.3	14.5	— 9.7	86	nw.	6	2.7	.....	o	o	.....	.....	o	o	clear	C. B. Dilley.
Salt Lake City, Utah	25.08	652.3	30.20	767.1	26.4	— 3.1	54	se.	2	0.9	.....	o	o	.....	.....	0.51	13.0	clear	J. Craig.
San Diego, California	29.89	759.2	29.96	761.0	53.0	11.7	91	n.	5	2.2	.....	4 cs	o	.....	.....	o	o	fair	F. R. Day.
Sandusky, Ohio	29.54	750.3	30.20	768.6	37	2.8	82	nw.	4	1.8	.....	.....	10 s	.....	nw.	0.01	0.3	cloudy	B. F. Hough.
Sandy Hook, New Jersey	30.21	767.3	30.24	768.1	40.6	4.8	77	ne.	14	6.3	.....	.....	10 s	.....	.....	0.30	7.6	cloudy	V.P.Chappel.
Sanford, Florida	30.10	764.5	30.15	765.8	69.0	20.6	87	calm	o	o	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	J. B. Marbury
San Francisco, California	29.97	761.2	30.04	763.0	51.5	10.8	83	calm	o	o	.....	o	o	.....	.....	o	o	clear	N. Gorom.
Savannah, Georgia	30.08	764.0	30.17	766.3	58.4	14.7	59	nw.	6	2.7	.....	3 c	o	sw.	.....	o	o	clear	H.W.Ford.
Shaw, Fort, Montana	26.56	674.6	30.30	771.1	23	— 5.0	88	sw.	3	1.3	.....	o	o	.....	.....	inap.	inap.	clear	A.L.Mathews
Shreveport, Louisiana	29.88	758.9	30.06	763.5	51.4	10.8	82	se.	2	0.9	.....	o	hz.	.....	.....	o	o	clear	E.N.Meekins.
Sitka, Alaska	29.58	751.3	29.65	753.1	35.8	2.1	85	e.	4	1.8	.....	.....	10 n	.....	e.	1.23	31.2	light rain	F. W. Fickett.
Smithville North Carolina	30.14	765.5	30.18	766.6	55.3	12.9	81	ne.	12	5.4	.....	o	o	.....	.....	o	o	clear	O. Parker.
Spokane Falls, Wash. Ter.	28.05	712.5	30.18	766.6	29.0	— 1.7	84	calm	o	o	.....	o	o	.....	.....	o	o	clear	D.Moore.
Springfield, Illinois	29.58	751.3	30.30	769.6	46.3	7.9	77	ne.	4	1.8	.....	.....	10 s	.....	n.	o	o	cloudy	T. B. Jennings
Stockton, Fort, Texas	26.89	683.0	29.97	761.2	52.0	11.1	86	se.	10	4.5	.....	o	6 s	.....	.....	o	o	fair	J.W.Byram.
Tatoosh Id., Wash. Ter	29.90	759.4	30.00	762.0	42.0	5.6	82	e.	26	11.6	.....	o	o	.....	.....	o	o	clear	R. Connor.
Thomas, Camp, Arizona	27.24	691.9	30.02	762.5	39.8	4.3	50	W.	.....	.....	1	o	o	.....	.....	o	o	clear	R. C. Lord.
Toledo, Ohio	29.54	750.3	30.27	768.8	38.1	3.4	81	calm	o	o	.....	o	9 k	.....	W.	o.01	0.3	cloudy	A. Buell.
Unalashka, Alaska	29.46	748.3	29.48	748.8	22	— 5.6	73	sw.	10	4.5	.....	.....	10 s	.....	.....	0.16	4.1	cloudy	Samuel Applegate.
Vicksburg, Mississippi	29.89	759.2	30.15	765.8	56	13.3	62	e.	9	4.0	.....	o	o	.....	.....	o	o	clear	F.W.Mixer.
Washington, D. C	30.16	766.1	30.28	769.1	41.9	5.5	73	nw.	4	1.8	.....	o	7 s	.....	nw.	o	o	fair	T. B. Harrison.
West Las Animas, Colorado	25.85	656.6	29.92	760.0	36	2.2	74	n.	7	3.1	.....	.....	10 s	.....	n.	o	o	cloudy	F. H. Brandenburg.
Wilmington, N Carolina	30.13	765 3	30.19	766.8	54.3	12.4	83	ne.	6	2.7	.....	o	hz.	.....	.....	o	o	clear	L.H.Albrecht.
Yankton, Dakota	28.86	733 0	30.25	768 3	33.4	0.8	92	e.	9	4.0	.....	10 k	o	e.	.....	o	o	cloudy	E. H. Thompson.
Yuma, Arizona	29.84	757.9	29.99	761.7	55 5	13.1	21	n.	11	4.9	.....	7 c	o	W.	.....	o	o	fair	W.S Delano.
Sub-series.																			
Behringsland, Kamchatka	29.69	754.1	29.71	754.6	29.8	— 1.2	82	ne.	19	8.5	.....	.....	10 n	.....	.....	0.01	0.3	cloudy	George Cherulck.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	76	24.4	.....	ne.	.....	.....	1	o	4 n	.....	ne.	o	o	threatening	W. H. Jackson.
Bogota, U. S. C	21.98	558.3	.....	.....	57.2	14.0	83	e.	2	1	.....	1 cs	2 k	se.	e.	o	o	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.02	762.5	30.18	766.6	—19	—28.3	100	sw.	5	2.2	.....	3 k	o	.....	.....	o	o	clear	L.M.Turner.
Kingston, Jamaica, W. I	.....	.....	30.12	765.0	71.3	21.8	82	n.	1	0.4	.....	2 cs	3 s	.....	.....	0.01	0.3	fair	Robert Johnston.
Paramaribo, S. A	30.05	763.3	30.05	763.3	78	25.6	82	ne.	.....	.....	3	4 c	5 k	e.	.....	0.100	2.5	fair	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.41	747.0	29.97	761.2	80	26.7	89	calm	.....	.....	o	.....	10 ks	.....	s.	o	o	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	.....	.....	.....	.....	75	23.9	85	ne.	.....	.....	2	3 cs	.....	sw.	.....	o	o	clear	Earl Flint.
York Factory, B. A	29.89	759.2	29.96	761.0	—23.0	—30.6	.....	n.	21	9.4	.....	1 c	o	n.	.....	0.01	0.3	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.95	760.8	29.96	761.0	78.4	25.8	82	n.	13.0	5.8	.....	.....	5 k	.....	n.	o	o	fair	P. Fasiani.
Nuós, Bay of Panama	29.91	759.7	29.98	761.4	73.4	23.0	93	n.	.....	.....	4	.....	.....	.....	.....	o	o	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Assyrian Monarch, English Channel			48	8.9		nw.			5		3		nw.	0	0	sm'h		hazy.
S. S. America, Portland, Eng*	30.12	765.0	50	10.0	72	nw.			5		2		nw.	0	0	cross	nw.	clear.
S. S. Athos, Port Limon, Costa Rica, C. A.						n.			2		0			0	0	long	ne.	clear.
S. S. British Princess, N. 39° 50′, W. 51° 45′†	29.53	759 0				sw.			7		10		W.	12 h'r	12 h'r	10	wsw.	overcast.
S. S. Britannic, N. 49° 00′, W. 25° 56′ *†	29.93	760.2	49	9.4		w.			5		2		nw.	0	0	mod.	nw.	blue sky
S. S. Caracas, N. 17° 58′, W. 67° 51′ *†	30.20	767.1	78	25.6	78	e.			5		5		e.	0	0	mod.	ese.	fine.
S. S. Celtic, N. 40° 55′, W. 62° 25′					67	nne.			7		8		nne.	shr's	sh'rs	h'vy	n.	squally.
S. Dora, N. 37° 57′, W. 66° 45′ *†	30.13	765 2	54.5	12.5		n			4		9		nne.	0	0	mod.	nw.	misty.
S. S. Devonia, N 46° 30′, W. 42° 10′†	29.89	759.2	38	3 3		se.			3		10		se;w.	4 h'r	4 h'r	long	wnw.	cloudy.
S. S. England, N. 41° 31′, W. 44° 55′						sw.			8		10		sw.	3 h'r	3 h'r	h'vy	sw.	overcast
S. S. Elysia, N. 40° 07 , W. 24° 26′ *	30.16	766.1	58	14.4	100	sse.			4		4		ssw.	0	0	sm'h		fine.
S. S. Fulda, N. 41° 11′, W. 61° 34′	29.95	760.6	42.8	6	92	n.			6		10		n.	5 h'r	5 h'r	r'gh	n.	cloudy.
S. S. Gellert, N. 45° 30′, W. 33° 50′	30.08	764.0	52.0	11.1	86	nw.			4		3?			0	0	long	nw.	cloudy.?
S. S. George ... Thomas, N. 36° 52′, W. 70° 11′						n.			2		8		nne.	2 h'r	2 h'r	r'gh	n.	squally.
S. S. Greece, N. 41° 22′, W. 51° 59 †	29.50	749.3	55	12.8		sw.			6		8		sw;w.	8 h'r	8 h'r	high	sw.	cloudy.
S. S. Habsburg, N. 44° 20′, W. 43° 02′						s.			5		5		sw.	10 h'r	10 h'r	mod.	w.	drizzling.
S. S. Iowa, N. 42° 45′, W. 63° 55′†	30.00	762.0	36	2.2		n.			5		1		n.	11 h'r	11 h'r	r'gh	n.	clear.
Schr. John Bracewell, Salem, Mass.			36	2.2		ne.			1		5			10 h'r	10 h'r			fair.
S. S. Lord Clive, N. 40° 27′, W. 62° 15′						n.			6		10		n.	14 h'r	14 h'r	high	sw; w	stormy.
S. S. Lampassas, N. 27° 23′, W. 89° 13′†	30.15	765.8	63	17.2		e.			2		10			0	0	long	se.	overcast.
Bg. L. F. Munson, N. 24° 00′, W. 81° 00′ *†	30.16	766.1	77	25.0		ese.			3		8		sw.	3 h'r	3 h'r	sm'h		overcast.
S. S. Main, N. 45° 40′, W. 33° 45′	30.08	764.0	51.8	11.0		w.			3		3		w.	3 h'r	3 h'r	mod.	w.	fair.
S. S. Nurnberg, N. 36° 55′, W. 74° 55′			50.0	10.0		n.			4		3		n.	0	0	sm'h	e.	clear.
S. S. Nessmore, N. 49° 45′, W. 17° 49′			55	12.8	93	sw.			7		6		sw.	5 h'r	5 h'r	cross	sw.	fair.
S. S. Orinoco, N. 38 25′, W. 71° 28′			46	7.8		ne.			3		10		ne.	6 h'r	6 h'r	long	cross	cloudy.
Bk. Orpheus, N. 41° 04′, W. 60° 24′			44	6.7		n.			7		10 k		ne.	12 h'r	12 h'r	cross	w;n	cloudy.
S. S. Pavonia, N. 51° 07′, W. 11° 39′	30.23	767.8	55	12.8	87	ssw.			3		2		ssw.	0	0	mod.	sw.	clear.
S. S. Pennsylvania, N. 50° 50′, W. 13° 24′ †..	30.29	769.4	52	11.1	79	wnw.			6		5		sw.	0	0	h'vy	w.	fair.
S. S. Rhaetia, N. 40° 41′, W. 72° 34′	30.26	768.6	38	3.3		nne.			4		10		n.	4 h'r	4 h'r	sm'h		cloudy.
S. S. Rugia, N. 50° 41′, E. 0° 21′	29.97	761.2				nw.			5		9		w.	0	0			fair.
S. S. State of Georgia, N. 45° 52′, W. 38° 34′†	30.01	762.2	46	7.8		w.			1		3		sw.	5 h'r	5 h'r	mod.	wnw.	clear.
S. S. Salerno, N. 47° 59′, W. 17° 39′†	30.25	768.3	58	14.4		ssw.			4		5		sw.	0	0	mod.	sw.	fine.
S. S. Switzerland, N. 44° 54′, W. 28° 27′*†	30.14	765.5				wsw.			1		2		sw.	9 h'r	9 h'r	long	ssw.	clear.
S. S. Samaria, N. 51° 16′, W. 12° 49′			48	8.9		wsw.			4		8		wsw.	3 h'r	3 h'r	cross	w.	showery.
S. S. The Queen N. 42° 42′, W. 41° 29′			54	12.2	100	ssw.			6		10		sw.	p	o	mod.	ene.	clearing.
S. S. Valencia, Curacoa, W.I †	30.04	763.0	79	26.1	82	e.			6		2			0	0			clear.
S. S. Westernland, N. 49° 17′, W. 67° 23′	30.07	763.8	48	8.9	70	n.			5		3			6 h'r	6 h'r	mod.	n.	fair.
S. S. Wieland, N. 49° 12′, W. 17° 00′			52	11.1		ssw.			4		6		ssw.	0	0	long	ssw.	fair.
S. S. Weser, N. 42° 37′, W. 43° 33′	29.98	761.5	53.6	12		ssw.			8		10		ssw.	1 h'r	1 h'r	h'vy	ssw.	rainy.
S. S. Zeeland, N. 40° 12′, W. 62° 16′ *†	29.82	757.4	47	8.3		nw.			6		10		nw.			cross	wnw	
S. S. Cienfuegos, N. 20° 28′, W. 78° 46′	30.08	764.0	77	25.0		wnw.			1		6		nne.	0	0	small	nne.	fair.
S. S. Anchoria, N. 46° 46′, W. 34° 31′						w.			3		6		wnw.	4 h'r	4 h'r	mod.	w.	fine..
S. S. Chalmette, N. 27° 18′, W. 86° 50′ *†	30.13	765.3	71	21.7		e.			3		8		se.	0	0	mod.	se.	cloudy.
S. S. Erin, London, Eng			50	10.0		nnw.			5		10		nnw.	2 h'r	2 h'r			cloudy.
S. S. Grecian, Glasgow, Scotland	29.91	759.7	54	12.2	87	wnw.			6		9		wnw.	1 h'r	1 h'r			cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I.						se.			1		4		sw.	0	0			fair.
S. S. Lone Star, N. 36° 05′, W. 75° 00′*†	30.16	766.1	50	10 0		n.			3		2		n.	0	0	sm'h		clear.
S. S. Ohio, (Am) Mersey River, Eng †	30.05	763.3	43.5	6.4	96	wnw.			4		8?		nw.	3 h'r	3 h'r			clear.?
S. S. St. Laurent, N. 40° 58′, W. 63° 00′			44.6	7.0		nnw.			7		7		nnw.	4 h'r	4 h'r	large	nnw.	fair.
Bgt. Sunlight, N. 15° 42′, W. 62° 48′						ene.			4		4		ene.	0	0	sm'h		fair.
Schr. Viola Reppard, N. 27° 22′, W. 75° 52′			76	24.4		s.			0.5		3		calm	0	0	small	s.	clear.
S. S. Werra, N. 41° 19′, W. 59° 57′*	29.94	760.4	41.9	5.5		ne.			7		2		nne.	snow	snow	high	ne.	squally.
U. S. S. Kearsarge, Alexandria, Egypt	30.20	767.1	64	17.8	73	nne.			3		2		calm					fair.
U. S. S. Lancaster, Alexandria, Egypt	30.19	766.8	67	19.4	55	nw.			1		5		s.			sm'h		fair.
U. S. S. Alliance, St. Pierre, Martinique, W.I.	30.13	765.3	77	25.0	69	ne.			2		5?		ne.	light	light	sm h		cloudy.?
U. S. S. Galena, Port au Prince, Hayti W. I.	30.11	764.8	76	24.4	64	e.			2		2		e.			sm'h		fair.
U. S. S. Jamestown, Pointe a Pitre, Guadeloupe, W.I.	30.12	765 0	74	23.3	95	e.			1		8		e.					fair.
U. S. S. Portsmouth, Fort de France, Martinique, W.I	30.25	768.3	53	11.7	67	ene.			3		2		ene.					clear.
U. S. S. Saratoga, N. 39° 09′, W. 37° 09′	29.90	761.0	61	27.2	83	ne.			1		2		ne.	0	0	sm'h		fair.
U. S. S. Swatara, Aspinwall, U. S. C.	30.18	766.6	61	16.1	94	nne.			3-4		5		nne.	mod.	mod.			fair.
U. S. S. Yantic, Charleston, S.C.	30.11	764.8	72	22.2	50	nne.			3		5							fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.96	758.4	84	28.9		wsw.			1		1		wsw.					blue sky.
H. M. S. Alecto, N. 4° 36, E. 4° 00′	30.02	762.5	66	18.9	89	s.			1		6					1	s.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.15	765.8	62	16.7	77	sw.			4		8		wsw.					raining.
H. M. Minotaur, Marmaras Bay, Asia Minor	30.10	764 5	60	15.6	88	sse.			1		4		w.					d. clouds.
H. M. S. Tyne, N. 36° 00′, W. 6° 30′	30.07	763.8	72.5	22.5	87	ne.			3		0					sm'h		misty.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	29.85	758.1	84.4	29.1	83	nw.			2		5		ne.	0	0	2	ne.	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea			43	6.1	83	nnw.			5		5		nw.	0	0	3	nw.	d. clouds.
S. S. British Prince, N. 39° 11′, W. 69° 48′	30.04	763.0	45	7.2	84	ne.			4		10		nne.	0	0	con.	ne.	cloudy.
S. S. Circassian, N. 53° 40′, W. 4° 05′	29.78	756.4	47	8.3		wsw.			4		6		wsw.			3	wsw.	d. clouds.
S. S. Polynesian, N. 51° 38′, W. 26° 43′	29.92	760.0	46	7.8		wnw.			3		4		wnw.	7 h'r	7 h'r	mod.	wsw.	fair.
S. S. Scandinavian, N. 49° 13′, W. 31° 37′			73.2	22.9	89	w.			4		6		w.	sh'rs	sh'rs	con.	sw;w	d. clouds.
S. S. Ailsa, Jeremie, Hayti, W. I.			77	25.0		e			4		6		w.					
S. S. Alps, N. 18° 29′, W. 66° 42′						calm			2		10?		ne.	0	0			fair?
S. S. Dorian, N. 42° 51′, E. 10° 00′	29.82	757.4				var.			0		2		e.	0	0	sm'h	e.	fine.
S. S. Galatia, Leghorn, Italy			60	15.6		nne.			1		10			0	0			
S. S. California, N. 50° 16′, W. 3° 06′*†	30.22	767.6				nne.			3		4		nne.	0	0			threatening.
S. S. Gallia, N. 41° 05′, W. 60° 17′	29.83	757.7	44	6.7		nw.			5		3		nw.	0	0	mod.	nw.	clear.
S. S. Labrador, N. 49° 52′, W. 11° 20′ *†	30.30	769.6	57.2	14.0		n.			6		10			rain	rain	con.		rainy.
S. S. Wyoming, N. 41° 34′, W. 53° 47′			61	16.1		sw.			2		1		w.	0	0	r'gh	wnw.	clear.
S. S. Westphalia, Cuxhaven, Germany			46	7.8		w.			6		5		w.	9 h'r	9 h'r	h'vy	sw.	hazy.
S. S. Teniers, N. 45° 30′, W. 80 24′	30.32	770.1	54.5	12.5	55	ssw.			4		8		wsw.			sm'h		cloudy
S. S. Archimede, (It.) N. 36° 50′, W. 40° 29′†	30.26	768.6	62	16.7		w.			2	0	4 k			0	0		wnw.	d. clouds.
S. S. Picqua, N. 38° 20′, E. 10° 20′ †	29.90	759.4	55	12.8	100	se.			6		4		ese.	0	0	mod.	nnw.	fair.
S. S. Oregon, N. 45° 38′, W. 34° 28′	30.06	763.5	49	9.4		w.			4					6 h'r	6 h'r		ne.	cloudy.
S. S. City of Merida, N. 19° 11′, W. 96° 08′			77.0	25.0		sw.			2		8		wsw.	5 h'r	5 h'r	mod	wnw.	squally.
S. S. Canada, (Br.) N. 49° 54′, W. 5° 12′			53	11.7		n.			2		10		n.	0	0	light	n.	cloudy.
S. S. Neckar, N. 40° 50′, W. 65° 40′	30.13	765.3	48.2	9.0	65	nw.			5		5?		calm	0	0	sm'h		cloudy?
S. S. Belgenland, N. 44° 25′, W. 41° 48′			50	10.0	93	ne.			5		..?		n.	rain	rain	r'gh	var.	cloudy.?
S. S. Pennland, Antwerp, Belgium			48	8.9	92	nnw.			5				nw.	0	0	long	nw.	cloudy.
S. S. Waesland, New York, N. Y			42	5.6		wnw.			3		7		nw.	2 h'r	2 h'r			fair
S. S. Amsterdam, N. 40° 34′, W. 64° 20′*	30.24	768 1				nnw.			4		10			18 h'r	18 h'r			overcast.
S. S. P. Caland, N. 48° 32′, W. 18° 30′	30.12	765.0				n.			5		6		e.	4 h'r	4 h'r	high	s.	cloudy.
S. S. Zaandam, N. 41° 50′, W. 49° 50′*			58.3	14.6	78	ssw.			4-6				var.	3 h'r	3 h'r	3	ssw.	
S. S. State of Nebraska, N 40° 34′, W. 71° 00′	29.49	749.0	54.0	12.2	91	s.			6		10			5 h'r	5 h'r	h'vy	ssw.	rainy.
S. S. Saxon, Philadelphia, Pa *†			38	3.3		n.			4		9		s.	8 h'r	8 h'r	sm'h		cloudy.
S. S. Republic, N. 40° 30′, W. 68° 28′ †	30.18	766.6	40	4.4		ne.			1		10			0	0			overcast.
S. S. Lepanto, N. 40° 06′, W. 10° 15′	30.10	764.5	41	5.0	100	nne.			6		9		n.	2 h'r	2 h'r	mod.	ne.	d. clouds
S. S. Marengo, Hull, Eng						ene.			3		2		se.	0	0	mod.	ene.	clear
Schr. Arthur Burton, N. 17° 40′, W. 67° 00′†			54	12.2		nw.			4		4		nw.			sm'h		clear.
Bk. Aureola, N. 39° 00′, W. 61° 50′ †	30.09	764.3				ene.			4		2		e.	0	0	r'gh	e.	fine.
Bg. Abbie Clifford, N 27° 27′, W. 58° 19′	29.93	760.2	58	14.4	88	nne.			9		9		nne.	2 h'r	2 h'r	cross	w;n	cloudy.
Bgt. Achsah, Port of Spain, Trinidad, W.I†	30.24	768.1	68	20.0		sw.			2		2					light	ne.	fine.
	30.05	763.3	79	26.1		calm			3		2		ene.	0	0			clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from.	
										Upper.	Lower.	Upper.	Lower.					
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—*North Atlantic.*—Continued.																		
S. Annie, N. 29° 17′, W. 70° 11′*	30.11	764.8	.....	.....	.....	sw.	.....	.....	3	.....	3	.....	.....	0	0	mod.	w.	clear.
Schr. Abbie H. Gheen, Springwood Mills, S.C *†	30.20	767.1	60	15.6	.....	ne.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 19° 01′, W 33° 09′*†	30.10	764.5	74	23.3	.....	nw.	.....	.....	1	.....	3	.....	e.	1 h'r	1 h'r	sm'h	.....	clear
Bk. Bore, N 23° 33′, W. 23° 10	.....	.....	71	21.7	.....	nne.	.....	.....	2	.....	9	.....	s.	4 h'r	4 h'r	sm'h	nne.	drizzling.
S. S. Bracadale, N. 46° 40′, W 7° 40′	.....	.....	56	13.3	.....	sw.	.....	.....	2	.....	8	.....	sw.	0	0	mod.	nw.	cloudy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	30.00	762.0	78	25.6	.....	e.	.....	.....	4	.....	10	.....	e.	1 h'r	1 h'r	.....	.....	cloudy.
Bk. Cato, N. 38° 30′, W. 8° 55′†	30.24	768.1	61	16.1	82	nnw	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	clear.
Bk. C. S. Bushnell, N. 38° 19′, E. 6° 42′	29.98	761.5	.....	.....	.....	n	.....	.....	6	.....	8	.....	n.	0	0	rg'h	nne.	cloudy.
S. David Stewart, N. 25° 07′, W. 72° 18′†	30.15	765.8	80	26.7	.....	ese.	.....	.....	4	.....	5	.....	ese.	0	0	mod.	ese.	fair.
Schr. Edith R. Seward, N. 13° 03′, W. 66° 15′	.....	.....	80	26.7	.....	ene.	.....	.....	4	.....	3	.....	ene.	0	0	r'gh	e.	clear.
Bk. Esmeralda, off Orkney Id., Scotland	29.73	755.1	.....	.....	.....	nw.	.....	.....	8–9	.....	4	.....	nw.	7 h'r	7 h'r	mod.	nw.	snowy.
U. S. Fish Com. S.S Fish Hawk, Kings Ferry, Fla†..	30.17	766.3	63	17.2	.....	ne.	.....	.....	1	.....	10	.....	calm	0	0	.....	.....	cloudy.
Bg. George, Arroyo, Porto Rico, W. I*†	30.08	764.0	.....	.....	.....	ene.	.....	.....	2	.....	10	.....	.....	rain	rain	mod.	.....	squally.
S. Grecian, N 12° 58′, W. 44° 25′†	30.14	765.5	75	23.9	86	ene.	.....	.....	6	.....	4	.....	ene.	0	0	mod.	ne.	clear.
Bk. Galeon, N. 23° 18′, W. 17° 38′	.....	.....	67	19.4	.....	ne.	.....	.....	4	.....	0	.....	.....	0	0	.....	ne.	blue sky.
Bk. Heinrich & Tonto, N. 40° 40′, W 31° 45′*†	30.17	766.3	56	13.3	63	nnw.	.....	.....	2	.....	0	.....	.....	10 h'r	10 h'r	light	nw.	clear.
Bk. Hattie G McFarland, Aspinwall, U.S.C.	.....	.....	78	25.6	.....	ene.	.....	.....	4	.....	6	.....	ne.	0	0	.....	.....	
S. Henry Failing, N. 20° 08′, W. 46° 33′*†	30.21	767.3	74	23.3	95	ne.	.....	.....	5	.....	4	.....	ne.	2 h'r	2 h'r	mod.	nne.	clear.
Schr. Jennie N. Huddell, Smithville, N. C†	30.18	766.6	57	13.9	.....	ne.	.....	.....	5	.....	2	.....	nne.	0	0	.....	.....	clear.
Bg. John Welsh, jr., Barbadoes, W. I.	.....	.....	.....	.....	.....	ene.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.10	764.5	.....	.....	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Cindad, Venezuela	.....	.....	77	25.0	.....	ne.	.....	.....	1	.....	2	.....	ne.	1 h'r	1 h'r	.....	.....	clear.
Bg. L. & W. Armstrong, N. 17° 51′, W. 67° 10′	.....	.....	.....	.....	.....	e.	.....	.....	3	.....	1	.....	ene.	0	0	sm'h	ene.	fine.
Light-house tender Laurel, Key West, Fla†	30.11	764.8	76	24.4	.....	ese.	.....	.....	2–3	.....	6	.....	ese.	0	0	.....	.....	fair.
S. S. Madrid, Gibraltar, Mediterranean †	30.15	765.8	61	16.1	82	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	clear.
Schr. Maggie Abbott, Gonaives, Hayti, W. I*†	30.05	763.3	.....	.....	.....	.....	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Rosalie, N. 46° 24′, W. 9° 40′*†	30.31	769.9	.....	.....	.....	wsw.	.....	.....	2	.....	2	.....	nnw.	0	0	long	nw.	clear.
Bk. Rosina, N. 41° 20′, W. 26° 13′	30.12	765.0	61	16.1	.....	sse.	.....	.....	5	.....	7	.....	s.	4 h'r	4 h'r	large	se.	
Bk. Sunbeam, Lisbon, Portugal†	30.20	767.1	64	17.8	67	ene.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	clear.
S. Stephen D. Horton, N. 49° 28′, W. 17° 44′ †	30.17	766.3	.....	.....	.....	ssw.	.....	.....	6	.....	6	.....	nw.	0	0	long	wnw.	fair.
S. Tsemogora, N. 37° 16′, W. 44° 15′*†	30.20	767 1	.....	.....	.....	ssw.	.....	.....	3	.....	2	.....	wsw.	0	0	long	wnw.	clear.
Bk. Tros, N. 23° 01′, W 38° 22′ *†	30.21	767.3	70	21.1	.....	nnw.	.....	.....	3	.....	3	.....	nnw.	0	0	mod.	nnw.	fair.
S. Vincenzo Accaune, N. 38° 50′, E. 9° 14′	.....	.....	59.0	15	.....	n.	.....	.....	5	.....	8	.....	n.	11 hrs	30min	r'gh	e.	stormy.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	86	30.0	.....	nw.	.....	.....	2	.....	5	.....	n.	½ h'r	½ h'r	.....	.....	fair.
District No. 2—*South Atlantic.*																		
U. S. S. Brooklyn, Cape Town, S. Africa	30.04	763.0	63	17.2	72	sse.	8	3.6	.....	.....	8	.....	s.	0.05	1.3	sm'h	.....	fair.
U. S. S. Pensacola, St. Helena Island, Africa	29.98	761.5	80	26.7	66	s.	.....	.....	2	.....	8	.....	s.	0.12	3.0	sm'h	.....	cloudy
H. M. S. Amethyst, S. 42° 37′, W. 60° 20′	29.90	759.4	58	14.4	64	wsw.	.....	.....	3	.....	4	.....	s.	.....	.....	.....	3	sw.	d. clouds.
H. M. S. Boadicea, Congo river, Guinea	29.87	758.7	80	26.7	96	sse.	.....	.....	1	.....	2	.....	sse.	.....	.....	.....	1	sse.	blue sky.
H. P. M S Rainha de Portugal, Mossamedes, Benguela..	29.83	757.7	75.0	23.9	66	nw.	.....	.....	3	.....	9	.....	.....	0	0	.....	1	.....	d. clouds.
S. S. Archimedes, (Br.) S. 26° 02′, W. 44° 17′	30.04	763.0	.....	.....	.....	ne.	.....	.....	4	.....	2	.....	ene.	¼ h'r	¼ h'r	light	var.	fine.
S. S. Hevelius, S. 5° 30′, W 32° 30′*†	30.00	762.0	83	28.3	.....	ese.	.....	.....	5	.....	9	.....	se.	6 hr	6 hr	sm'h	.....	cloudy
S. S. Rosse, S. 10° 34′, W. 35° 26′	29.93	760.2	79	26.1	78	var.	.....	.....	2	.....	9	.....	nnw.	2 h'r	2 h'r	short	ese.	overcast.
Bk. Adelaide, S 23° 01′, W. 41° 25′ *†	30.27	768.8	83	28.3	.....	ne.	.....	.....	3	.....	1	.....	ene.	0	0	mod.	ese.	clear.
Bk. Achille F., S. 1° 30′, W. 31° —*†	29.96	761.0	79	26.1	91	sw.	.....	.....	2	.....	10	.....	.....	6 h'r	8 h'r	long	n.	squally.
S. Frank N. Thayer, S. 2° 25′, W. 25° 43′ *†	29.94	760.5	87	30.6	74	n.	.....	.....	1	.....	3 ku	.....	.....	rain	rain	light	n.	showery.
S. Gatherer, S. 2° 15′, W. 26° 54′†	29.92	760.0	84	28.9	87	nnw.	.....	.....	1	.....	5	.....	calm	6 minutes		sm'h	n.	fair.
S. Iamir, S. 12° 02′, W. 28° 45′ *†	29.89	759.2	.....	.....	.....	se.	.....	.....	5	.....	4	.....	sse.	0	0	.....	se.	fine.
Bkt. Levanter, S. 29° 07′, W. 42° 45′ *	30.26	768 6	79	26.1	.....	ne.	.....	.....	3	.....	2	.....	.....	0	0	mod.	ne.	clear.
S. S. Mendoza, S. 2° 47′, W. 36° 21′†	30.05	763.3	.....	.....	.....	ssw.	.....	.....	1	.....	.....	.....	s.	6 h'r	6 h'r	sm'h	n.	rainy.
S. S. Leipzig. S. 9° 35′, W. 34° 54′ *	30.02	762.5	83.0	28.3	100	ese.	.....	.....	2	.....	7	.....	ese.	1 h'r	1 h'r	mod	ese.	cloudy.
U. S. S. Shenandoah, Montevideo, Uruguay*	30.10	764.5	65	18.3	100	se	.....	.....	6	.....	10	.....	se.	.....	.....	mod.	.....	overcast.
District No. 3—*North Pacific.*																		
U. S. Naval Hospital, Yokohama, Japan	29.90	759.4	45	7.2	88	calm	.....	.....	0	.....	0	.....	.....	0.12	3.0	.....	.....	clear.
U. S. S. Alert, Shanghai, China	29.97	761.2	60	15.6	82	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 30° 58′, E 132° 08′	30.02	762.5	63	17.2	72	wnw.	.....	.....	2	.....	0	.....	.....	.....	.....	mod.	.....	clear.
U. S. S. Juniata, Roze Island, Corea	30.02	762.5	42	5.6	91	nne.	.....	.....	2	.....	10	.....	calm	light	light	.....	.....	cloudy.
H. M. S. Palos, Shanghai, China	29.95	760.7	55	12.8	100	sse.	.....	.....	1	.....	8	.....	calm	.....	.....	.....	.....	fair.
H. M. S. Audacious, Hong Kong, China	29.97	761.2	67	19.4	69	ne	.....	.....	3	.....	8	.....	ene.	.....	.....	.....	.....	misty.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.00	762.0	64	17.8	89	s.	.....	.....	1	.....	9	.....	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Champion, Shanghai, China	29.90	759.4	61	16.1	81	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	30.00	762.0	62.4	16.9	80	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	.....	.....	misty.
H. P. M S. Magpie, N. 1° 17′, E. 103° 51′	29.81	757.2	82.5	28.1	67	ene.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
U. S. S. Tamega, Macao, China	30.00	762.0	68.0	20	79	calm	.....	.....	0	.....	10	.....	.....	5 h'r	5 h'r	.....	.....	rain & fog.
S. S. Monocacy, Canton, China	29.98	761 5	67	19.4	94	wnw.	.....	.....	2	.....	10	.....	w.	.....	.....	.....	.....	thund'r st'm
S. S. Newbern, La Paz, Mexico *†	30.02	762.5	60	15.6	71	se.	.....	.....	3	.....	5	.....	s.	0	0	.....	.....	fair.
S. S. City of Chester, Eureka, Cal †	30.04	763.0	42	5.6	91	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	
S. S. Oregon, Portland, Oregon†	30.04	763.0	32	0.0	79	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	foggy.
S. S. Alameda, N. 24° 21′, W. 152° 23′ †	30.22	767.6	68	20.0	84	ne.	.....	.....	3	.....	10	.....	nne.	½ h'r	½ h'r	light	w.	overcast.
S. S. Ancon, Pigeon Point, Cal †	30.03	762.7	55	12.8	68	nw.	.....	.....	2	.....	0	.....	.....	0	0	light	wnw.	clear.
S. S. State of California, N. 40° 46′, W. 124° 30′†	30.05	763.3	49	9.4	100	calm	.....	.....	0	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
S. S. Australia, N. 31° 25′, W. 140° 06′	.....	.....	59	15.0	65	w.	.....	.....	3	.....	6	.....	.....	1 h'r	1 h'r	.....	.....	cloudy
S. S. City of Pekin, N. 23° 30′, E. 117° 46′†	30.00	762.0	61	16.1	66	var.	.....	.....	2	.....	10	.....	.....	0	0	sm'h	.....	overcast.
S. S. City of Rio de Janeiro, N. 32° 59′, W. 135° 35′ †	30.23	767.8	58	14.4	.....	n.	.....	.....	5	.....	.....	.....	nnw.	.....	.....	mod	nnw.	cloudy.
S. S. Colima, N. 31° 51′, W. 170° 41′†	30.21	767.3	63	17.2	83	sse.	.....	.....	4	.....	10	.....	s.	.....	.....	sm'h	.....	h'vy rain.
S. S. Granada, N. 7° 09′, W. 80° 23′ †	30.00	762.0	56	13.3	75	wnw.	.....	.....	2	.....	2	.....	wsw.	0	0	small	w.	clear.
S. S. San Blas, N. 23° 10′, W. 106° 38′†	29.90	759.4	74	23.3	90	nne.	.....	.....	2	.....	0	.....	.....	0	0	light	s.	clear.
S. S. San José, N. 18° 04′, W. 102° 55′ †	29.95	760.7	69	20.6	90	s.	.....	.....	2	.....	8	.....	sw.	0	0	sm'h	wsw.	smoky.
S. S. Zealandia, N. 31° 25′, W. 137° 12′	29.99	761.7	76	24.4	95	nw.	.....	.....	1	.....	1	.....	nw.	0	0	sm'h	.....	clear.
S. S. Benalder, Hong Kong, China	30.28	769.1	60	15.6	71	n.	.....	.....	5	.....	2	.....	n.	.....	.....	mod.	ne.	fair.
S. J. W. Gildemeister, N. 1° 47′, E. 107° 50′	29.98	761.5	66	18.9	94	e.	.....	.....	2–3	.....	7	.....	e.	4 h'r	4 h'r	.....	.....	raining.
S. S. Port Phillip, N. 3° 44′, E. 141° 52′	29.86	758.4	81.5	27.5	80	nne.	.....	.....	2–3	.....	5 k	.....	nne.	0	0	1	nne.	d. clouds.
U. S. S. Richmond, N. 28° 34′, E. 123° 23′	29.89	759.2	87	30.6	84	ne.	.....	.....	4	.....	.....	.....	.....	.....	.....	light	e.	gloomy.
S. S. Oceanic, N. 34° 22′, E. 178° 20′	30.07	763.8	60	15.6	88	s.	.....	.....	2	.....	2	.....	.....	0	0	sm'h	.....	clear.
	30.18	766.6	52	11.1	88	n.	.....	.....	5	.....	8	.....	sw	0	0	4	sw.	fair.
District No. 4—*South Pacific.*																		
U. S. S. Pinta, S 48° 03′, W. 74° 36′	29.33	745.0	49	9.4	76	nnw.	.....	.....	6	.....	10	.....	n.	.....	.....	.....	.....	drizzling.
U. S. S. Wachusetts, Valparaiso, Chili	29.90	761.0	55	12.8	93	s.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Espiegle, S. 36° 18′, E. 175° 00′	29.88	758.9	65	18.3	84	n.	.....	.....	1	.....	5	.....	.....	.....	.....	1	n.	d. clouds
H. M. S. Lark, S. 36° 18′, E. 175° 01′	29.88	758.9	63.3	17.4	81	n.	.....	.....	1	.....	3	.....	.....	.....	.....	1	n.	blue sky.
H. M. S. Mutine, Callao, Peru	29.94	760.5	71	21.7	.....	calm	.....	.....	0	.....	4	.....	.....	.....	.....	.....	.....	misty.
S. S. Sappho, S. 16° 10′, W. 73° 45′	30.03	762 7	67	19.4	100	se.	.....	.....	3	.....	8	so.	.....	.....	.....	2	se.	d. clouds.
S. S. City of Sydney, Sydney, N.S.W.*†	30.19	766.8	65	17.8	73	s.	.....	.....	2	.....	2 k	.....	s.	.....	.....	.....	.....	clear.
U. S. S. Onward, Callao Bay, Peru*†	30.02	762.5	70	21.1	95	calm	.....	.....	0	.....	10	.....	.....	.....	.....	long	w.	cloudy.
U. S. S. Iroquois, Coquimbo, Chili	30.03	762.7	58	14.4	88	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	71	21.7	95	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....	cloudy.
District No. 5—*Indian Ocean.*																		
U. S. S. Trenton, Bombay, India	29.74	755.4	82	27.8	91	nw.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Myrmidon, Suez Canal, Egypt	30.16	766.1	70.5	21.4	82	ese.	.....	.....	3	.....	5	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.86	758.4	85	29.4	79	e.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 15° 07′, E. 76° 53′*	29.89	759.2	.....	.....	.....	e.	.....	.....	5	.....	5	.....	e.	1 h'r	1 h'r	mod.	se.	fair.

International Chart I. March 21, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 22, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
Algerian.																			
Nemours	.....	.....	30.12	765.0	65.5	18.6	77	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziers.
Algiers	.....	.....	30.00	762.0	59.0	15.0	66	e.	.....	.....	1	.....	4	.....	.....	0	0	cloudy	Théve.
La Calle	.....	.....	29.83	757.7	51.4	10.8	77	wnw.	.....	.....	4	.....	5	.....	.....	1.220	31.0	cloudy	Fonfrède.
Tunis	.....	.....	29.80	757.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Gerlville	.....	.....	30.06	763.6	53.6	12.0	89	nw.	.....	.....	2	.....	2	.....	.....	0.118	3.0	fair	Forfert.
Laghouat	.....	.....	30.03	762.7	61.5	16.4	.....	nw.	.....	.....	3	.....	2	.....	.....	0	0	fair	Abraham.
Biskra	.....	.....	29.96	761.0	65.8	18.8	64	w.	.....	.....	4	.....	4	.....	.....	0	0	cloudy	Gouson.
Australian.																			
Adelaide, South Australia	.....	.....	30.02	762.5	79.5	26.4	25	e.	5	2.2	.....	8 cs	.....	.....	.....	0	0	.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.83	757.7	30.02	762.5	59	15.0	90	calm	2	0.9	.....	.....	9	.....	n.	0	0	overcast	Com. J. Shortt, R.N.
Melbourne, Victoria	29.98	761.5	30.07	763.8	65.2	18.4	65	ese.	1	0.4	.....	.....	2	.....	.....	0	0	fine	R. L. J. Ellery.
Austro-Hungarian.																			
Agram	29.13	740.0	29.69	754.2	42.4	5.8	53	ne	.....	.....	6	.....	10	.....	.....	0.071	1.8	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.03	737.4	29.81	757.2	43.5	6.4	76	n.	0.7	0.3	.....	.....	10	.....	.....	0.098	2.5	.....	Dr. Wierzbiski
Eperies	28.90	734.0	29.80	756.8	41.7	5.4	78	n.	.....	.....	2	.....	10	.....	.....	inap.	inap.	.....	Julius Mikolik.
Gratz	28.54	724.8	29.80	757.0	45.1	7.3	50	n.	.....	.....	5	.....	10	.....	.....	0.079	2.0	.....	Andreas Rospini.
Hermannstadt	28.27	718.0	29.66	753.3	61.5	16.4	47	s.	.....	.....	4	.....	10	.....	.....	0.059	1.5	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.55	725.1	29.92	760.0	40.6	4.8	71	nw.	.....	.....	1	.....	10	.....	.....	0.173	4.4	cloudy	The Staff.
Lemberg	28.80	731.6	29.81	757.1	41.0	5.0	94	e.	.....	.....	1	.....	10	.....	.....	0.276	7.0	.....	Dr. T. Stanecki.
Pola	29.49	749.1	29.60	751.9	46.0	7.8	82	ne.	.....	.....	5	.....	10	.....	.....	0.575	14.6	.....	I. R. Hydrographic Office.
Szathmar	29.21	741 9	29.67	753.7	50.5	10.3	86	s.	.....	.....	2	.....	10	.....	.....	0.189	4.8	.....	Joseph Midlinszky, S. J
Szegedin	29.36	745.7	29.64	752.8	52.7	11.5	87	sw.	.....	.....	2	.....	10	.....	.....	0.307	7.8	.....	Karl Stancel.
Trieste	29.56	750.9	29.66	753.4	46.6	8.1	72	ne.	.....	.....	6	.....	10	.....	.....	0.102	2.6	.....	Royal Academy.
Vienna	29.13	740.0	29.86	758.5	44.2	6.8	60	nw.	.....	.....	3	.....	10	.....	.....	0.134	3.4	raining	I. R. Central Met. Obs'y.
Belgian.																			
Arlon	28.60	726.4	30.03	762.7	39.2	4.6	95	nw.	.....	.....	1	.....	3	.....	.....	0.079	2.0	.....	
Brussels	29.86	758.4	30.06	763.6	44.8	7.1	63	wnw.	.....	.....	2	.....	10	.....	nnw.	0.142	3.6	.....	
Furnes	30.06	763.6	30.08	764.1	49.5	9.7	68	nw.	.....	.....	1	.....	4	.....	.....	0.114	2.9	.....	
Maseyck	29.91	759.8	30.04	763.0	48.2	9.0	.....	n.	.....	.....	1	.....	7	.....	.....	0.114	2.9	.....	
British.																			
Aberdeen	29.71	754.6	29.80	756.9	47.8	8.8	61	sw.	13	5.8	.....	.....	6	.....	.....	0.050	1.3	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.97	761.2	51.0	10.6	59	wsw.	16	7.2	.....	.....	8	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	29.42	747.3	29.96	761.0	45.9	7.7	79	sw.	3	1.3	.....	.....	9	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.55	750.6	29.95	760.7	46.7	8.2	71	sw.	.....	.....	2	.....	8	.....	.....	0.01	0.3	d. clouds	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.04	763.0	30.07	763.8	81	27.2	63	ne.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	48.2	9.0	72	w.	.....	.....	0.6	.....	8	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E.	29.89	759.2	30.07	763.8	47.1	8.4	64	calm	.....	.....	0	.....	10	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.86	758.4	30.09	764.3	50.9	10.5	69	ssw.	.....	.....	3	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27 66	702.6	29.97	761.2	70.8	21.0	15	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.84	757.9	29.88	758 9	49	9.4	85	nw.	.....	.....	3	.....	7	.....	.....	0.03	0.8	threatening	Wm. Ryan.
Gibraltar, Mediterranean	29.89?	759.2?	29.99?	761.7?	63.5	17.5	92	e.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.89	759.2	30.06	763.5	48.5	9.2	61	w.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.86	758.4	30.16	766.1	50.0	10.0	72	wnw	.....	.....	1	.....	7	.....	.....	.....	.....	showery	A. Collenette, F.R.M.S.
Kew, Observatory	30.04	763 0	30.07	763.8	48.0	8.9	58	w	6	2.7	.....	.....	9	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.74	755 4	30.00	762.0	50.6	10.3	69	sw.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.66	753.4	29.74	755.4	60.0	15.0	85	nw.	.....	.....	2	.....	9	.....	.....	0.20	5.1	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.14	765 5	30.19	766.8	77.0	25.0	74	se.	.....	.....	2	.....	5	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.83	757 7	30.06	763.5	49.0	9.4	67	w	.....	.....	3	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	30.01	762.2	30.09	764.3	50.9	10.5	76	wsw.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.60	751.8	29.70	754.4	41.2	5.1	93	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	drizzling	Rev. C. Clouston, L.L.D
Seutari Cemetery, Turkey	29.83	757.7	29.90	759.4	60.0	15.6	49	sse.	.....	.....	1	.....	9	.....	.....	blank	blank	d. clouds	W. H. Lyne.
Sheffield	29.72	754.9	30.01	762.2	49.9	9.9	65	sw.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	29.86	758 4	29.90	759.4	48.5	9.2	87	sw.	.....	.....	3	.....	10	.....	.....	0.040	1.0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.97	761.2	47.4	8.6	70	wsw.	14	6.3	.....	.....	9	.....	.....	0.250	6.3	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	51.2	10.7	69	w.	.....	.....	1.0	.....	7	.....	.....	.....	.....	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	30.03	762.7	30.05	763.3	50.6	10.3	72	nnw.	18	8.0	.....	.....	8	.....	.....	.....	.....	d. clouds	The Met'r'l Office.
Sub-arctic.																			
Gozo, Episcopal Seminary	29.44	747.8	29.83	757.7	58.3	14.6	51	nw.	14.3	6.4	.....	4 c	5 n	w.	nw.	0.23	5.8	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.81	757.2	29.93	760.2	65.7	18.7	93	e.	26	11.6	.....	.....	10 k	.....	se.	1.425	36.2	cloudy	The Staff.
Canadian.																			
Bathurst, N. B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Charlottetown, P. E. Island	29.87	758.7	29.91	759.7	30.0	— 1.1	.....	sw.	18	8.0	.....	9 ck	0	.....	.....	0	0	d. clouds	Hon. J. Ferguson.
Chatham, N. B	30.04	763.0	30.08	764.0	23	— 5.0	85	sw.	6	2.7	.....	8 c	0	sw.	.....	0	0	fair	H. J. Cundall, C. E.
Cornwall, Ontario	29.93	760.2	30.00	762.0	29	— 1.7	84	sw.	9	4.0	.....	8 c	2 k	sw.	sw.	0	0	fair	G. A. Blair.
Dalhousie, N. B	29.95	760.7	30.15	765.8	35.1	1.7	82	nw.	.....	.....	1	0	1 s	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Father Point, Quebec	29.84	757.9	29.89	759.2	14.0	—10.0	.....	w.	.....	.....	1	.....	10 n	.....	.....	0	0	snowing	H. A. Johnson.
Fort Garry, Manitoba	29.93	760 2	29.95	760.7	31	— 0.6	88	nw.	27	12.1	.....	5 cs	5 k	nw.	nw.	0	0	cloudy	J. McWilliams
Fredericton, N. B	29.25	742.9	30.19	766.8	— 1	—18.3	100	se.	1	0.4	.....	0	0	.....	.....	0	0	clear	James Stewart.
Grand Manan, N. B	30.02	762.5	30.08	764.0	30.5	— 0.8	79	e.	2	0.9	.....	3 cs	0	.....	.....	0	0	d. clouds	Dr. Thos. Harrison.
Granton, Ontario	30.08	764.0	30.14	765.5	35	1.7	72	sw.	24	10.7	.....	5 cs	0	sw.	.....	0	0	fair	J. Chipman Seeley
Halifax, N. S	29.16	740.7	30.32	770.1	33.0	0.6	100	calm	0	0	.....	.....	10	.....	.....	0	0	gloomy	Jas. Grant.
Hamilton, Ontario	30.08	764.0	30.21	767.3	28	— 2.2	100	s.	5	2.2	.....	5 cs	0	.....	.....	0	0	fair	A. Allison.
Kingston, Ontario	29.84	757.9	30.26	768.6	40.7	4.8	84	sw.	.....	.....	1	2 c	0	sw.	.....	0	0	blue sky	Geo. Dickson, B. A.
Little Glace Bay, N. S	29.90	759 4	30.25	768 3	31	— 0.6	88	sw.	7	3.1	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A.
London, Ontario	29.98	761.5	30.02	762.5	32.0	0.0	74	nw.	6	2.7	.....	7 ck	0	.....	.....	0	0	d. clouds	C. H. Rigby.
Medicine Hat, N. W. T	29.38	746.2	30.32	770.1	32.5	0.3	95	calm	.....	.....	0	0	8 s	.....	.....	0	0	clear	E. B. Reed.
Minnedosa, N. W. T	27.39	695 7	29.72	754.9	33	0.6	92	s.	1	0.4	.....	0	0	.....	.....	0	0	d. clouds	John Ewart.
Montreal, Quebec	28.03	711.9	30.11	764.8	13	—10.6	96	nw.	7	3.1	.....	.....	fg.	.....	.....	0	0	dense fog	Rev. J. M. Wellwood.
Ottawa, Ontario	29.94	760.5	30.16	766.1	30	2.2	85	sw.	17	7.6	.....	5 cs	5 s	nw.	.....	0	0	cloudy	C. H. McLeod, C. E.
Parry Sound, Ontario	29.96	761.0	30.19	766.8	30.6	— 0.8	88	wsw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Peterboro, Ontario	29.53	750.0	30.28	769.1	21	— 6.1	91	s.	2	0.9	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Port Arthur	29.46	748.3	30.22	767.6	35.7	2.1	61	sw.	.....	.....	1	4 c	0	w.	.....	0	0	d. clouds	Wm. O'Connor, M.A.
Port Dover, Ontario	29.48	748.8	30.23	767.8	18	— 7.8	87	nw.	2	0.9	.....	2 cs	0	nw.	.....	0	0	clear	W. P. Cooke.
Port Stanley, Ontario	29.60	751.8	30.32	770.1	33	0.6	100	sw.	3	1.3	.....	5 k	0	sw.	.....	0	0	fair	H. Morgan.
Qu Appelle, N. W. T	29.66	753.4	30.34	770.6	31	— 0.6	100	se.	1	0.4	.....	5 cs	hz	.....	.....	0	0	hazy	M. Payne.
Quebec, Quebec	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Rockliffe, Ontario	29.68	753 9	30.04	763.0	33	0.6	96	sw.	20	8.9	.....	10 cs	0	w.	.....	0	0	cloudy	Capt. Asne, R. N.
St. Andrews, N. B	29.73	755.1	30.22	767.6	27	— 2 8	77	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. John, N. B	30.06	763.5	30.11	764.8	34	1.1	89	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	
St. Pierre, N. F	29.98	761.5	30.13	765.3	33.5	0.8	94	sw.	20	8.9	.....	3 c	0	w.	.....	0	0	fair	G. Hutchinson.
Saugeen, Ontario	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Stratford, Ontario	29.52	749.8	30.27	768.8	33	0.6	92	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	
	28.97	735.8	30.31	769.9	33.2	0.7	91	sw.	1	0.4	.....	9 ck	0	w.	.....	0	0	d. clouds	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	30.09	764.3	30.16	766.1	16	— 8.9	87	sw.	12	5.4		2 c	0			0	0	clear	T.C.Hill, C.E.
Toronto, Ontario*	29.90	759.4	30.30	769.6	33	0.6	81	sw.	5	2.2		0	0			0	0	clear	Magnetic Observatory.
Woodstock, Ontario	29 24	742.7	30.35	770 9	34.6	1.4	73	sw.	11	4.9		5 cs	0	n.		0	0	d. clouds	Prof. N Wolverton, M.A.
Yarmouth, N. S*	30.15	765.8	30.22	767.6	33	0.6	85	s.	8	3.6		5 ck	0	w.		0	0	fair	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.14	765.5	30.17	766.3	65.0	18.3	89	sw.				0	9 ks			0.500	12.7	cloudy	I. Garfelt.
Cape Town, The Castle	29.98	761.5			73.5	23.1	30	s.				0	0			0	0		Capt. R. Gardner Warton
Springbok Fontein	27.90	708.6			78	25.6	42									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.64	752.8	29.74	755.5	47.8	8.8	97	e.			1		8		e.	0	0	misty	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					55.8	13.2	81	s.			3	0				0	0	clear	Leon Herrera.
Valparaiso	29.85	758.2	29.99	761.8	57.7	14.3	85	s.			1	0	0					clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.13	765.2	30.15	765.8	44.6	7.0	85	nne.	9.6	4.3			10 n			0.012	0.3	covered	M. Marc Dechevrens, S. J.
DANISH.																			
Copenhagen	29.64	752.8	29.69	754.0	44.8	7.1	70	wnw.	22	10			10						Oversergent Fischer.
Fanöe	29.80	757.0	29.82	757.5	41.9	5.5	85	w.			6		5						Overloerer Lauridsen.
Godthaab, Greenland	29.51	749.6	29.56	750.7	— 0.1	—17.8	100	ne.			2-4		6						S. Kleinschmidt.
Ivigtut, Greenland	29.52	749.7	29.54	750.2	1.4	—17.0		n.			2		0						
Stykkisholm, Iceland	29.45	747.9	29.49	749.0	34.2	1.2	87	se.			4		5						A. O. Thoriacius.
Thorshavn	29.55	750.5	29.57	751.1	39.2	4.0	92	se.	20	9.			10					raining	Overloerer Bergh.
Upernavik, Greenland	29.72	754.8	29.76	756.0	—11.4	—24.1		sw.			2		10					snowing	
Vestervig	29.65	753.1	29.74	755.4	41.5	5.3	76	wnw.			4		0						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.86	758.5			74.3	23.5		w.	6.0	2.7		4 ck				0	0		Albert Ismailun, Dir.
FRENCH.																			
Agen, Normal School	29.54	750.4	30.21	767 2	48.2	9.	48	nw.			1		10 cn	nw.	nw.	0.004	0.1		M. Labroue, Director.
Alençon, Normal School	29.59	751.6	30.14	765.6	47.8	8.8	93	n.			1		5		s.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.80	757.0	30.05	763.2	46.4	8	53	wsw.			1		8			0.020	0.5	very cloudy	M. Ungerer, Director.
Avignon, Normal School	29.74	755.4	29.82	757.4	51.8	11.	28	nnw.			8		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.54	750.3	30.11	764.8	45.5	7.5	63	nw.			1		5		nw.	0.091	2.3	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.84	757 9	30.11	764.8	48.6	9 2	61	nw.			1		8		wnw.	0.04	1	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	29.09	738.9	30.00	761 9	46.4	8	50	ne.					kn		s.	0.098	2.5		M. Gobin, Director.
Bordeaux, Observatory	29.91	759 6	30.17	766.3	51.6	10.9	63	n.			1		5		n.	0.004	0.1	cloudy	M. Rayet, Director.
Bourges, Normal School	29.56	750.7	30.08	764.0	47.8	8.8	50	nw.			2		5		nw.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.94	760.5	30.19	766.7	57.9	14.4	67	wnw.			1		5		wnw.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.97	761.2	30.04	763.1	52.9	11.6	90	nw			1		5		nw.	0	0	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.72	754.9	30.05	763.2	45.5	7.5	54	nw.			1		5		ne.	0.094	2.4	cloudy	M. Jadot, Director.
Charleville, Normal School	29.59	751.6	30.11	764.9	45.0	7.2	60	sw.			1		10		ne.	0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.68	728 5	30.08	763.9	43.9	6.6	51	n.			2		8		n.	0.071	1.8		M. Alluard, Director.
Cluny, Normal School	29.13	740.0	29.99	761.7	42.4	5.8	81	ne.			1		5		nw.	0.106	2.7	fair	M. de Villemonté, Dir.
Commercy, Normal School	29.21	742.0	30.10	764 5	41.4	5.2	81	nw.			1		5 kn	nw.	nw.	0.12	3.	cloudy	Dr. Coulet, Director.
Gap, Normal School	27.13	689 2	29.66	753.3	48.9	9.4	33	e.			4		0			0	0		M. Jarach, Director.
Gréasque, du Rhone	26.52	724 5	29.65	753.0	54.1	12.3	25	nw.			8		1		nw.	0	0		M. Kina, Director.
Grenoble, Normal School	29.11	739 5	29.89	759 3	46.4	8.	57	nw			4		kn		n.	0.08	2.		M. Ablard, Director.
Guéret, Normal School	28.54	724 9	30.17	766.3	37.9	3.3	60	se.			4		kn		ne.	0	0		M. Delorme, Dir.
Lambal e Normal School	29.87	758.6	30.14	765.6	50.7	10.4	69	nw.			1		n		nw.	0	0		M. Poilpre, Dir.
Lescar, Normal School	29.65	753.1	30.20	767.1	52.9	11.6	61	w.			1		k			0.157	4.0		M. Ohanvin, Director.
Lorient, Naval Observatory	30.09	764.2	30.19	766.8	51.8	11.0	61	ssw.			2		8		w.	0	0	¼ covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28.94	735.0	30.02	762 4	44.2	6.8	45	n.			6		5		n.	0.055	1.4	fair	M. André, Director.
Mans, Normal School	29.84	757 9	30.15	765.9	48.4	9.1	52	nne.			1		8 kn		nne.	0.217	5.5	very cloudy	M. Richard, Director
Marseille, Observatory	29.41	746.9	29.68	753.8	54.5	12.5	26	nw.			8		0			0	0		M. Stephan, Director.
Montlouis	24.68	626.9	29.52	749 9	29.5	— 1.4	72	w.	22.4	10.0			7	n.		0.256	6.5		M. Cave for Dr. Fines.
Montpellier, Normal School	29.75	755.6	29.86	758.4	54 7	12.6	63	n.			8		0			0	0	clear	M. Galzin, Director.
Nancy, Normal School	29.28	743.6	30.08	764.1	41.7	5.4	44	w.			1	ck			nw.	0.118	3.0		M. Hasse, Director.
Nantes, Observatory	30.03	762.8	30.19	766.7	50.4	10.2	48	n.			0–2		9 kn		nw.	0	0		M. Larocque, Director.
Perpignan, Observatory	29.88	759 0	30.00	762.0	50.7	10.4	35	nw.	31.8	14.2			2		nnw.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.06	534.9			11.5	—11.4		se.			2					0.197	5.0	foggy	M. Vaussenat, Director.
Privas, Normal School	28 78	731.0	29.85	758 3	49.3	9.6	26	n.			6		2	s.	s.	0	0	slightly cl'dy	M. Tallieu.
Puy de Dôme Obs'y, Summit	25.05	636 2			24.3	— 4.3	100	n.			3		8		n.	0.311	7.9		M. Alluard.
Rochefort, Naval Obs'y	30.16	766.0	30.19	766.8	55.8	13.2	58	nw.			1		2		nw.	0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.93	760 3	30.15	765.9	50.0	10	62	n.			1					0	0		M Brothier, Director.
Rodez, Normal School	27.89	708.3	30.08	764.0	43.7	6.5	51	se			2		10 k		nw.	0	0	covered	M. Seger, Director.
Rouen, Normal School	30.11	764.9	30.12	765.1	50.0	10	66	nw.			1		5		w.	0.04	1.	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.94	760.5	30.11	764.7	48.7	9.3	52	nw.			1		6		nnw.	0	0	cloudy	M. Renou, Director.
Toulouse, Observatory	29.43	747.6	30.16	766.0	51.4	10.8	60	nw.			4		5	nw.		0	0	cloudy	M. Baillaud, Director.
Tours	29.92	760 0	30.14	765.6	50.0	10.0	52	n.			1		5	ne.	ne.	0.157	4.0	cloudy	M. de Tastes.
Versailles, Observatory	29.62	752.3	30.11	764.8	46.8	8.2	48	n.			1		8			0	0	very cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	30.06	763.4	30.21	767.2	51.8	11.0	56	nw.	9.8	4.4			9 k		n.	0.043	1.1		M. Carlier, Director.
GERMAN.																			
Ansbach	28.54	725.0	30.04	762.9	39.6	4.2	60	nw.			4		8	nw.		0.028	0.7		Prof. Jnedt.
Bamberg	29.13	739.8	29 97	761.2	43.9	6.6	52	nw.			2		6 k		nw.	0.004	0.1		Prof. Dr. Hoh.
Berlin	29.76	755.8	29 90	759 5	42.9	5.5	70	w.			2		9			0.028	0.7		Meteorological Institute
Breslau	29.41	747.0	29 94	760.4	41.2	5.1	61	wnw.			4		10			0	0		Royal University Obs'y
Carlsruhe	29.57	751.1	30.04	763 0	45.7	7.6	51	n.			1		5	n.		0	0		Albert Senz.
Cassel	29.26	743.3	29.98	761.4	43.2	6.2	58	nnw.			4		8	nw.		0.031	0.8		Dr. H. Möhl.
Frankfort-on-the-Main	29.63	752.7	30.00	762.0	50.2	10.1	48	sw.			1		8			0	0		Physical Society.
Friedrichshafen	28.57	725.6	30.02	762.5	41.7	5.4	64	ne.			3		8	e.		0.016	0.4		Wilhelm, Chief Tsl.
Hamburg	29.81	757.2	29.90	759 5	42.4	5.8	75	w.			4		8			0.094	2.4	sleeting	E. Preller.
Kiel	29.81	757 2	29.83	757.0	42.6	5.9	82	wnw.			2		8			0.094	2.4		Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.54	750 4	29.97	761.3	44.1	6.7	61	wnw.			1		9	w.		0	0		H. Leppig, Asst.
Magdeburg	29.75	755.7	29.94	760.5	41.4	5.2	72	wnw.			4		10			0.024	0.6		Weather Observatory.
Memel	29.78	756.3	29.82	757.5	37.9	3.3	93	sw.			4		10 k						Issermann.
Munich	28.14	714.5	30.00	762.0	36.1	2.3	82	ne.			1		10	n.		0.012	0.3		Central Station.
Neufahrwasser	29.79	756.7	29.81	757 1	45.5	7.5	57	nw.			3		7			0.146	3.7		A. Lothes.
Neustadt, Palatinate	29.46	748.3	29.99	761.7	47.7	8.7	56	s.			1		7	nw.		0	0		Prof. Dickn ether.
Stuttgart	29.06	738.2	29.97	761.3	44.6	7.0	47	n.			1		4	n.		0	0		Prof. Dr. Schoder.
Wustrow	29.76	756 0	29.79	756.0	42.6	5.9	93	sw.			5		8 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.51	749.5	29.89	759.2	66.2	19.0		s.			4.0	9	0			0.016	0.4		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee																			
Deesa	29.74	755.4	29.79	756.6	80.6	27.0	80	wsw.	30.0	13.4			0			0	0	blue sky	
Bombay	29.30	744.1	29.75	755.7	100.4	38.0	17	sw.	17.0	7.6			0			0	0	blue sky	
Poona, Yarrowda	29.78	756.4	29.82	757 4	82.4	28.0	79	w.	10.0	4.5			7	wsw.	w.	0	0	d. clouds	
Belgaum	27.94	709.8	29.73	755.2	97.6	36.4	10	w.	17.0	7.6			0			0	0	blue sky	
Lahore	27.29	693.2	29.82	757.4	78.0	25.6	72	wsw.	8.0	3.6			8	e.		0	0	d. clouds	
Roorkee	28.98	736.1	29.71	754 7	87.0	30.6	32	e.	4.0	1.8			0			0	0	blue sky	
Agra	28.79	731.3	29.66	753.4	93.6	34.2	17	w.	1.5	0.7			0			0	0	misty	
Nagpur	29.14	740.0	29.68	753.7	102.1	38.9	14	w.	2.0	0.9			0			0	0	blue sky	
	28.68	728.3	29.68	753.8	98.7	37.1	14	calm	0	0			3	w.		0	0		

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p.sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Cabbulpore	28.39	721.0	29.70	754.3	96.5	35.8	16	nw.	.....	.....	.....	.....	3	.....	.....	0	0	d. clouds	
Lucknow	29.34	745.1	29.70	754.4	92.1	33.4	31	wnw.	5.0	2.2	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.38	746.3	29.69	754.0	96.4	35.8	18	n.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.55	750.6	29.74	755.3	88.2	31.2	43	ne.	3.7	1.6	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.74	704.5	29.71	754.7	84.6	29.2	22	nnw.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.74	755.3	29.82	757.3	85.0	29.4	62	wnw.	9.0	4.0	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29.70	754.4	29.72	755.0	83.4	28.6	65	sse.	9.0	4.0	.....	.....	1	.....	.....	0	0	d. clouds	
Dhubri	29.71	754.7	29.83	757.7	73.3	22.9	80	ese.	9.7	4.4	.....	.....	6	.....	.....	3.30	83.8	d. clouds	
Chittagong	29.75	755.7	29.84	758.0	78.4	25.8	76	calm	4.6	2.1	.....	.....	0	.....	.....	0	0	blue sky	
Sibsagar	29.54	750.2	29.88	758.9	70.8	21.6	78	se.	2.0	0.9	.....	.....	5	e.	e.	0	0	d. clouds	
Jeypore	28.29	718.6	29.68	753.9	98.7	37.1	10	wnw.	10.0	4.5	.....	.....	2	.....	wsw.	0	0	blue sky	
Zanzibar	29.82	757.5	29.85	758.1	88.1	31.2	57	ene.	18.0	8.0	.....	.....	1	ene.	.....	0	0	d. clouds	
Bellary	28.30	718.8	.....	.....	96.8	36.0	18	nne.	4	1.8	.....	1 c	0	.....	.....	0	0	blue sky	
Trichinopoly	29.55	750.6	.....	.....	96.1	35.6	36	ese.	0.3	0.1	.....	0	0	.....	.....	0	0	blue sky	
ITALIAN.																			
Udine	29.25	742.9	29.66	753.3	51.8	11.0	39	ne.	3.8	1.7	.....	.....	10	.....	.....	0.268	6.8	.....	Prof. Giovanni Olodig.
Milan	29.19	741.4	29.71	754.5	52.3	11.3	50	se.	7.4	3.3	.....	.....	9	.....	.....	0.043	1.1	.....	Prof. G.V.Schiapparelli
Padua	29.59	751.5	29.70	754.3	46.8	8.2	68	ne.	14.3	6.4	.....	.....	10	.....	.....	0.780	19.8	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.77	730.8	29.68	753.8	55.2	12.9	11	n.	5.0	2.5	.....	.....	1	.....	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.42	747.3	29.61	752.2	52.3	11.3	32	n.	12.5	5.6	.....	.....	10	n.	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	29.56	750.7	29.60	751.9	45.9	7.7	89	ne.	27.3	12.2	.....	.....	10	nne.	.....	1.028	26.1	.....	Prof. Luigi Guidi.
Florence	29.28	743.8	29.54	750.3	47.3	8.5	57	ne.	.....	.....	6	.....	10	.....	.....	0.071	1.8	.....	Prof. Costantino Pittei.
Leghorn	29.38	746.2	29.46	748.3	50.0	10.0	55	ene.	8.7	3.9	.....	.....	10	w.	.....	0.173	4.4	.....	Prof. P. Monte.
Rome	29.29	744.0	29.47	748.5	55.2	12.9	46	s.	15.0	6.7	.....	.....	9	sw.	.....	0.232	5.9	.....	Prof. P. Tacchini.
Lecce	29.38	746.3	29.64	752.8	60.1	15.6	57	ssw.	21.0	9.4	.....	.....	7	sw.	.....	0.213	5.4	.....	Prof. C. de Giorgi.
Cosenza	28.78	731.1	29.68	753.8	53.2	11.8	76	wnw.	3.8	1.7	.....	.....	7	w	.....	0.370	9.4	.....	Prof. D. Conti.
Palermo	29.47	748.5	29.72	754.9	59.7	15.4	44	wsw.	13.0	5.8	.....	.....	2	nw.	.....	0.087	2.2	.....	Prof. G. Cacciatore
Syracuse	29.62	752.4	29.67	753.5	66.6	19.2	71	wnw	16.1	7.2	.....	.....	5	wsw.	.....	0.217	5.5	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.09	738.8	.....	.....	54.9	12.7	60	sw	6.3	2.8	.....	.....	5	wsw.	.....	0.476	12.1	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	29.92	760.0	29.95	760.9	37.4	3.0	88	nw.	.....	.....	2	.....	10 n	.....	nw.	0.268	6.8	raining	H. Hattori.
Awomori	29.90	759.4	29.94	760.5	33.3	0.7	94	calm	0	0	.....	.....	10s;ks	.....	.....	0.125	3.2	overcast	K. Ogawa.
Hakodate	29.95	760.8	29.96	761.1	30.2	— 1.0	93	e.	3.0	1.3	.....	.....	10 n	.....	.....	0.298	7.6	snowing	Y. Souma.
Hamamatsu	29.83	757.7	29.93	760.2	51.0	10.6	73	w.	.....	.....	2	1 cs	0	.....	.....	0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.01	762.2	30.02	762.5	54.0	12.2	76	n.	8.0	3.6	.....	0	0	.....	.....	0	0	clear	Y. Okamoto.
Kagoshima	30.04	763.0	30.05	763.3	56.4	13.6	85	n.	.....	.....	2	.....	10 s	.....	.....	0.146	3.7	overcast	
Kanazawa	29.96	761.0	30.06	763.6	42.0	5.6	93	e.	9.7	4.3	.....	.....	10n;ks	.....	.....	0.259	6.6	raining	S. Endo.
Kioto	29.83	757.7	30.00	762.1	52.3	11.3	72	nnw.	3.8	1.7	.....	.....	10 s	.....	.....	0	0	cloudy	M. Tojima.
Kochi	29.97	761.3	30.00	762.0	55.6	13.1	85	n.	2.0	0.9	.....	0	6 s	.....	.....	0	0	fair	K. Kusunose.
Misaaka	30.02	762.5	30.05	763.2	53.9	12.2	90	nw.	.....	.....	1	.....	10 s	.....	w.	0.102	2.6	overcast	K. Masusaki&T.Ishitain.
Miyako	29.80	756.8	29.91	759.6	35.2	1.8	96	calm	0	0	.....	.....	10 s	.....	.....	0.103	2.6	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.85	758.2	30.06	763.5	53.6	12.0	89	calm	0	0	.....	.....	0	5 s	.....	0.050	1.3	fair	
Nemuro	29.98	761.5	30.03	762.8	22.8	— 5.1	72	calm	0	0	.....	.....	0	0	.....	0	0	clear	A Shibuya.
Niigata	29.96	761.0	29.99	761.7	40.8	4.9	86	n.	5.7	2.5	.....	.....	.....	10 n	n.	0.690	17.5	light rain	Satoo & Tomikawa.
Nobiru	29.89	759.2	29.90	759.6	41.4	5.2	78	nnw.	9.2	4.1	.....	.....	10 ks	.....	.....	0	0	overcast	Yoshino & Midzushima.
Numadzu	29.81	757.2	29.85	758.1	56.7	13.7	61	sw	.....	.....	2	2 cs	0	.....	.....	0	0	clear	T. Ohgi.
Osaka	29.99	761.7	30.00	762.1	51.1	10.6	85	nne.	2.7	1.2	.....	.....	10 s	.....	.....	0	0	cloudy	H. Omura.
Sakai	30.06	763.5	30.07	763.7	48.0	8.9	87	nne.	.....	.....	2	.....	10 ks	.....	nne.	0.035	0.9	cloudy	Yamawchi & Sakamoto.
Sapporo	29.91	759.8	29.98	761.5	29.0	— 1.7	86	nw.	0.1	0.04	.....	.....	10 n	.....	.....	0.010	0.3	snowing	S. Kimura.
Shimonoseki	29.89	759.3	30.01	763.0	53.2	11.8	84	nw.	.....	.....	2	.....	10s;ks	.....	.....	0	0	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.78	756.5	29.86	758.4	47.0	8.3	94	e.	3.0	1.3	.....	0	1 s	.....	.....	0	0	clear	The Staff.
Wakayama	29.94	760.6	30.00	761.9	52.4	11.3	78	calm	0	0	.....	.....	10ck;s	.....	.....	0	0	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R.A.Observatory	29.75	755.6	29.94	760.5	75.7	24.3	79	ese.	9.0	4.0	.....	.....	10k-;k	.....	.....	0.48	12.2	overcast	The Staff.
MEXICAN.																			
Leon	24.32	617.7	30.08	764.0	50.9	* 10.5	74	wsw.	0.9	0.4	.....	5 ck	0	.....	.....	0	0	fair	M. Leal & M. Pina
Mazatlan	29.71	754.6	29.97	761.2	66.0	18.9	80	ne.	0.9	0.4	.....	9 cs	0	sw.	.....	0	0	cloudy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.07	763.7	30.07	763.7	49.6	9.8	.....	wsw.	.....	.....	3	.....	.....	.....	.....	0.035	0.9	.....	
Groningen	29.91	759.8	29.97	761.2	41.5	5.3	.....	nnw.	.....	.....	2	.....	.....	.....	.....	0.020	0.5	.....	
Helder	30.00	762.1	30.00	762.1	42.6	5.9	.....	w.	.....	.....	4	.....	.....	.....	.....	0.055	1.4	.....	
Hellevoetsluis	30.04	763.1	30.04	763.1	48.6	9.2	67	wnw.	.....	.....	2	.....	.....	.....	.....	0.004	0.1	.....	
Utrecht	30.00	761.9	30.04	763.1	46.2	7.9	69	nw.	.....	.....	3	.....	5	.....	.....	0.110	2.8	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.85	758.1	.....	.....	77.4	25.2	91	nw.	0.5	0.2	.....	.....	7	.....	.....	0.445	11.3	.....	Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.60	751.8	29.66	753.4	41.0	5.0	84	nnw.	9	4	.....	.....	8	.....	.....	0.063	1.6	.....	
Brono	29.40	746.7	29.44	747.7	39.6	4.2	80	nne.	.....	.....	2	.....	6	.....	.....	0.142	3.6	.....	
Christiansund	29.40	746.7	29.55	750.5	39.6	4.2	80	sw.	4	2	.....	.....	8	.....	.....	0.201	5.1	.....	
Gjesvær	29.40	716.7	29.55	750.5	39.6	4.2	80	ne.	.....	.....	7	.....	10	.....	.....	0.472	12.0	light snow	
Lodingen	29.63	752.7	29.66	753.3	22.3	— 5.4	.....	ne.	.....	.....	4	.....	9	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos.
Funchal, Madeira	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.88	759.0	29.97	761.2	64.4	18.0	60	ese.	8.7	3.9	.....	.....	9	.....	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	29.80	756.9	30.13	765.4	63.1	17.3	27	nne.	4.3	1.9	.....	.....	0	.....	.....	0	0	.....	
Saint Paul de Loando	30.01	763.1	30.11	764.9	63.0	17.2	70	se.	0.9	3.1	.....	.....	4	.....	.....	0	0	.....	
St. Vincent, Cape Verd Ids.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
San Salvador, Congo	29.94	760.5	29.98	761.4	69.3	20.7	71	calm	.....	.....	0	.....	3	.....	.....	0	0	.....	
Serra da Estrella	27.99	710.9	29.78	756.5	87.6	30.9	59	nnw.	.....	.....	1	.....	7	.....	.....	0.409	10.4	.....	
RUSSIAN.	25.39	644.7	30.10	764.4	52.0	11.1	9	n.	5.6	2.5	.....	.....	0	.....	.....	0	0	.....	
Akmolinski	29.10	739.2	30.26	768.7	18.9	— 7.3	75	ene.	9	4	.....	0	0	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	29.91	759.8	29.93	760.3	32.2	0.1	73	s.	18	8	.....	0	4 ks	.....	.....	0	0	.....	Capt. Sselliwerstow
Ashuradа	30.28	769.2	30.19	766.8	54.1	12.3	69	n.	4	2	.....	0	2 k	.....	.....	0.024	0.6	.....	
Astrakhan	30.20	767.0	30.12	765.0	30.0	— 1.1	82	nw.	10	7	.....	.....	10 s;n	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.26	768.6	30.21	767.4	48.7	9.3	53	s.	4	2	.....	0	4 ks	.....	.....	0	0	.....	
Barnaul	29.93	760.3	30.48	774.1	18.5	— 7.5	67	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.65	753.1	30.14	765.5	32.9	0.5	57	sse.	16	7	.....	.....	10 ks	.....	.....	0.055	1.4	.....	
Dorpat	29.50	749.2	30.74	755.5	37.0	2.8	84	ssw.	7	3	.....	.....	10 n	.....	.....	0.063	1.6	.....	Rosenthal.
Ekaterinburg	29.31	744.4	30.33	770.3	27.9	— 2.3	63	se.	4	2	.....	9 c	0	.....	.....	0	0	solar halo	Meteorological Obs'y
Elisawetgrad	29.65	753.2	30.13	765.2	33.8	1.0	79	se.	13	6	.....	.....	10 s;n	.....	.....	0.012	0.3	.....	
Kasan	30.12	765.0	30.41	772.3	28.9	— 1.7	72	wnw.	2	1	.....	1 c	0	.....	.....	0	0	.....	Observatory.
Kem	29.74	755.5	29.80	756.8	28.0	— 2.2	83	s.	45	20	.....	.....	10 n	.....	.....	0.091	2.3	.....	
Kerich	30.08	764.1	30.11	764.7	43.9	6.6	67	se.	9	4	.....	9 c	0	.....	.....	0	0	.....	Lagorio & Sastyres.
Kieff	29.34	745.3	30.00	762.1	35.1	1.7	72	se.	16	7	.....	.....	10ks;n	.....	.....	0.587	14.9	.....	Observatory.
Koslov	29.77	756.1	30.30	769.6	31.8	— 0.1	75	ese.	4	2	.....	.....	10 s	.....	.....	0	0	.....	
Lgov	29.66	753.4	30.28	769.0	32.7	0.4	77	se.	20	9	.....	.....	10	.....	.....	c	0	.....	R.I.Saweljew, Ensign.
Libau	29.70	754.3	29.72	754.9	40.6	4.8	79	ssw.	13	6	.....	.....	9	.....	.....	0.055	1.4	.....	F. Quass.
Lugan	30.03	762.8	30.24	768.2	35.1	1.7	77	sw.	9	4	.....	.....	10	.....	.....	0	0	.....	Meteorological Obs'y
Moscow	29.74	755.4	30.24	768.2	33.4	0.8	70	s.	7	3	.....	0	4 ks	.....	.....	0	0	.....	Meteorological Obs'y
Nertschinsk	27.51	698.7	29.92	759.9	20.5	— 6.4	52	calm	0	0	.....	.....	10	.....	.....	0	0	.....	
Nikolaiev	29.97	761.3	30.04	763.1	43.2	6.2	78	se.	18	8	.....	.....	10 n	.....	.....	0.079	2.0	.....	Capt. Kurdakow.

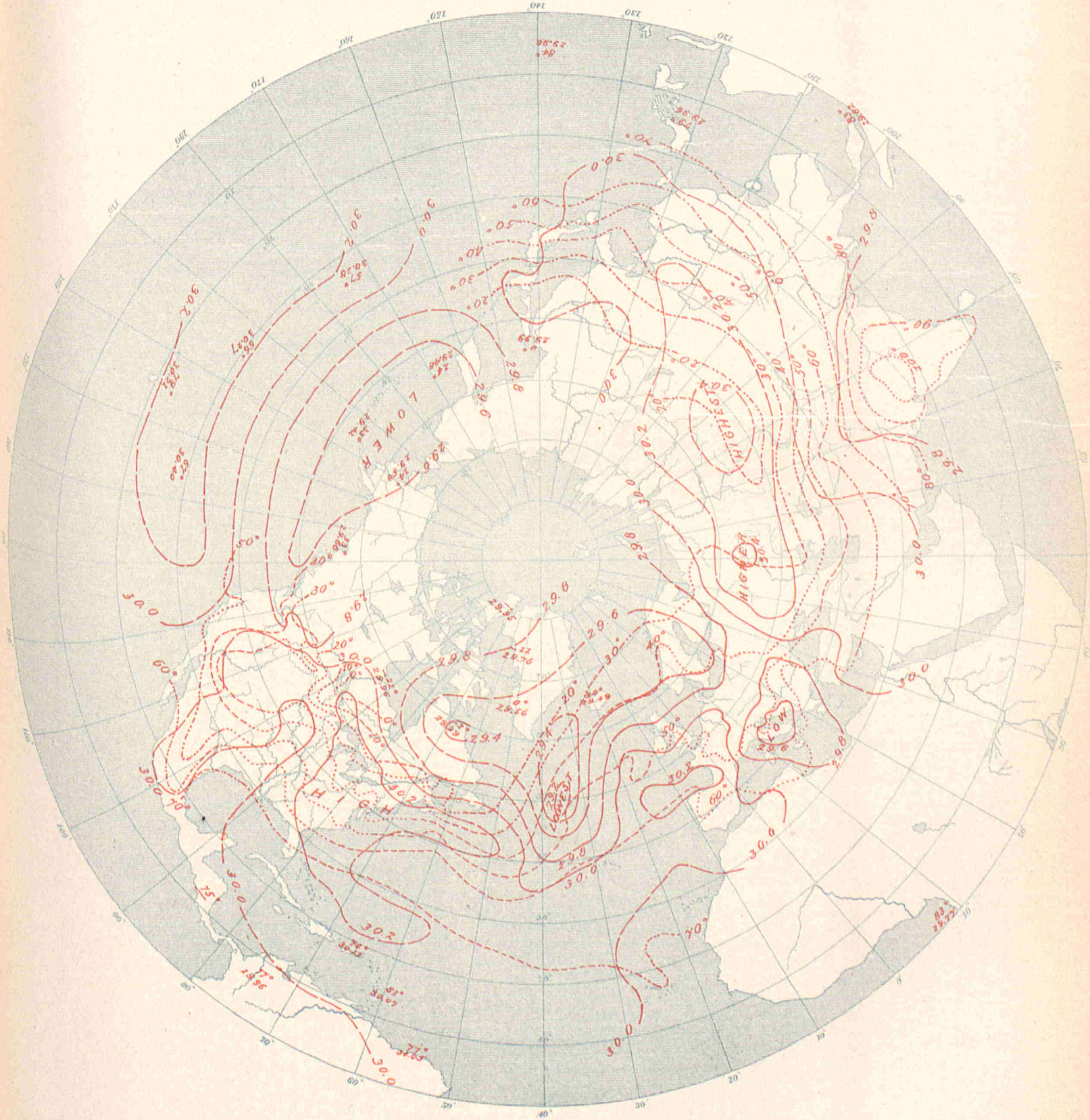
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.90	759.5	29.99	761.7	— 0.1	—17.8	66	calm	0	0		0	0						Iwanow.
Pekin, China	30.07	763.7	30.21	767 3	42.4	5.8	60	sw.	3.4	1.5		0	1 k			0	0		Siang.
Petro-Alexandrovsk	29.62	752.3	29.98	761.4	49.6	9.8	50	s.	1.1	0.5			10 k						Walter.
Petrozavodsk	29.69	754.1	29.89	759.3	31.5	— 0.3	61	s	27	12			10			0.079	2.0		Dr. Bergmann.
Pinsk	29.35	745.4	29.86	758.4	36.1	2.3	98	sse.	9	4			10 n			0.209	5.3		
Poti	30.07	763.8	30.10	764.6	53.6	12.0	84	wsw.	4	2			2 k			0.327	8.3		
St. Petersburg	29.79	756.7	29.82	757.3	28.9	— 1.7	86	sse.	16	7			10 n			0.012	0.3		Central Physical Obs'y.
Samarkand	27.44	696.9	29.87	758.7	58 8	14.9	52	w.	7.8	3.5		0	2 k						Dresch.
Semipalatinsk	29.76	756.0	30.50	774.6	7.3	—13.7	84	calm	0	0			0			0	0		Major Lasarew
Sevastopol	29.79	756.6	30.00	762.1	51.1	10.6	62	n.	7	3			10 n			0	0		
Staroi Bykhov	29.39	746.6	29.97	761.3	32.5	0.3	76	se.	34	15			10			0	0		Carl Hagen.
Tashkend, Laboratory	28.24	717.4	29.89	759.2	59.9	15.5	46	calm	0	0			8 k					light clouds	Terch, Asst.
Tiflis	28.68	728.4	30.12	765.0	50.5	10.3	29	nw.	20	9		0	0			0.004	0.1		Physical Observatory
Vernoe	27.40	695.9	29.97	761.2	36.5	2.5	76	calm	0	0		0	8 k						Larlono.
Viatka	29.74	755.3	30.40	772.2	29.7	— 1.3	50	calm	0	0			0			0	0		
Vladivostock	30.03	762.7	30.10	764.4	20.7	— 6.3	88	ne.	13	6			0			0	0		
Warsaw	29.41	747.1	29.84	757.9	47.3	8.5	62	sw.	7	3		9 ck	0						Astronomical Obs'y.
Yeniseisk	30.06	763.6	30.37	771.3	27.7	— 2.4	65	sw.	4	2			10			0	0		M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.61	752.1	30.14	765.5	33.6	0.9	58	sse.	19.2	8.6		0	7		s.	0	0	fair	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.76	755 8	29.87	758.6	54.5	12.5	62	se.				0	0			0	0	clear	B. Jelin.
Bilbao, Met. Obs'y	30.17	766 3	30.23	767.8	55.4	13.0	70	nw.	1.8	0.8			10			0.173	4.4	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.17	690.1	30.20	767.0	48.2	9.0	58	ne.	4.9	2.2			1			0	0	almost clear	Domingo Martin.
Madrid, Royal Obs'y	27.87	708.0	30.14	765.6	58.1	14.5	41	sw.	3.8	1.7		0	0			0	0	clear	The Staff.
Murcia, Met. Obs'y	29.86	758.4	29.99	761.8	69.6	20.9	48	nnw.	6.7	3.0		0	0			0	0	clear	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.21	741.9	30.08	764.1	66.9	19.4	39	calm	0	0			1			0	0	almost clear	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.05	763.3	30.12	765.0	71.7	22.1	81	ese.	6.0	2.7		2 cs	s	nw.		0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.91	759.6	29.96	761.0	79.0	26.1	67	ese.	4.4	2.0		0	s			0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	30.01	762.3	30.11	764.8	67.8	19.9	51	ne.	3.6	1.6		0	0			0	0		Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.04	763.0	30.13	765.3	73.8	23.2	75	calm	0	0		5 kn	2 s	s.	s.	0.016	0.4	d. clouds	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	29.52	749.8	29.56	750.8	32.0	0.0	96	sse.			2		10			0.394	10.0	snowing	
Umea	29.45	748.1	29.50	749.4	33.6	0.9	87	s.			2		10			0.091	2.3		
Hernosand	29.40	746.8	29.45	748 1	35.6	2.0	89	calm			0		10			0.047	1.2		
Stockholm	29.32	744.6	29.49	749.1	37.4	3.0	93	w.			2		10			0.035	0.9		
Wisby	29.50	749.3	29.56	750.8	39.6	4.2	87	w.			6		10			0	0		
Sub-series.																			
Upsala	29.37	746.1	29.46	748.3	38.1	3.4	91	nnw.	0	0			10		nw.	0.012	0.3		H.H.Hildebrandsson
Swiss																			
Geneva	28.53	724.7	29.99	761.8	42.4	5.8	54	n.			4		3			0	0	fair	
TURKISH.																			
Constantinople			29.93	760.2	61.2	16.2	56	s.	6	2.5			10		sw.	0	0		The Observatory.
Valona			29.76?	756.0?	61.2	16.2		s.			3		10			0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria			30.05	763.3	63.3	17.4	66	ne.			1	8 c	0			0	0		F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	30.22	767.6	30.31	769.9	38	3.3	72	e.	3	1.3		0	hz.			0	0	clear	J. O. Barnes.
Alpena, Michigan	29.60	751.8	30.30	769.6	28	— 2.2	77	nw.	3	1.3		0	4 s			inap.	inap.	fair	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.94	633.5	29.96	761.0	30.3	— 0.9	78	se.	2	0.9		0	3 s			inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	26.97	685.0	29.99	761.7	24.0	— 4.4	93	calm	0	0		0	fg.			0	0	clear	J.J.O'Connor.
Atlanta, Georgia	29.05	737.9	30.25	768.6	53.0	11.7	58	se.	10	4.5		2 c	sk.	w.		0	0	clear	S. W. Beall.
Atlantic City, New Jersey	30.32	770.1	30.33	770.4	36.2	2.3	89	calm	0	0		0	0			inap.	inap.	clear	B.A.Blundon.
Augusta, Georgia	30.14	765.5	30.34	770.6	54	12.2	82	calm	0	0		7 c	hz.			0	0	fair	W.J.Evans.
Baltimore, Maryland	30.34	770.6	30.39	771.9	47.5	8.6	83	s.	3	1.3			10 s		w.	0	0	cloudy	Geo. W. Felger.
Barnegat City, New Jersey	30.32	770.1	30.34	770.6	39.0	3.9	91	sw.	4	1.8		0	5 k		w.	0.04	1.0	fair	J.P.Sherry.
Bennett, Fort, Dakota	28.43	722.1	30.13	765.3	25.0	— 3.9	88	n.	19	8.5			10 n		nw.	0.01	0.3	light snow	A. Pritchard.
Benton, Fort, Montana	26.97	685.0	29.95	760.7	31.0	— 0.6	75	calm	0	0		0	0			0	0	clear	C.S.Bennett.
Bismarck, Dakota	28.23	717.0	30.15	765.8	19 0	— 7.2	87	nw.	1	0.4			fg.			0	0	dense fog	B. O. Lenoir.
Block Island, Rhode Island	30.27	768.8	30.30	769.6	37.5	3.1	79	nw.	2	0.9		0	hz.			0	0	clear	J. T. Elker.
Boise City, Idaho	27.02	686.3	29.94	760.5	46.9	8.3	57	se.	9	4.0		hz.	8 s		sw.	0	0	cloudy	James Kenealy.
Boston, Massachusetts	30.10	764.5	30.26	768.6	34.8	1.6	72	w.	8	3.6		3 c	0			0	0	clear	O. B. Cole.
Brownsville, Texas	29.86	758.4	29.92	760.0	70.3	21.3	100	calm	0	0			10 s		se.	0	0	cloudy	John McGlone.
Buffalo, New York	29.55	750.6	30.34	770 6	33.7	0.9	89	sw.	5	2.2		0	3 k		sw.	0	0	clear	D.Cuthbertson.
Buford, Fort, Dakota	27.91	708 9	30.07	763.8	31.2	— 0.4	88	s.	2	0.9			10 s			0	0	cloudy	A. Schneider.
Cairo, Illinois	29.70	754.4	30.12	765.0	54.6	12.6	56	s.	7	3.1		10 cs	0	s.		0	0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.56	750.8	29.76	755.9	44.0	6.7	89	s.	8	3.6			10 k			0.44	11.2	cloudy	J.H.Young.
Cape Henry, Virginia	30.37	771.4	30.39	771.9	44.0	6.7	93	sw.	2	0.9			10 s		w.	0	0	cloudy	A. K. Alderson.
Cape May, New Jersey	30.34	770.6	30.36	771.1	41.0	5.0	82	nw.	5	2.2		0	3 s			0.04	1.0	clear	W.E.Smith.
Cape Mendocino, California	29.27	743.4	29.96	761.0	43	6.1	96	se.	20	8.9			10 n			0.26	6.6	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.16	766.1	30.18	766.6	63.3	17.4	92	ne.	10	4.5		8 ck	0	s.		0	0	cloudy	G. W. Davis.
Charleston, S. Carolina	30.22	767.6	30.28	769.1	56.6	13.7	100	ne.	6	2.7			fg.			0.02	0.5	dense fog	J. H. Smith.
Charlotte, N. Carolina	29.47	748.5	30.35	770.9	50.6	10.3	80	e.	2	0.9		0	fg.			0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.41	747.0	30.26	768.6	48.0	8.9	77	ne.	3	1 3		5 cs	sk	nw.		0	0	fair	B. L. Goulding.
Cheyenne, Wyoming	23.92	607.6	30.12	765.0	17.2	— 8.2	87	n.	8	3.6		0	0			0.47	11.9	clear	E. McGovern.
Chicago, Illinois	29.45	748.0	30 19	766.8	41.0	5.0	78	se.	6	2.7		4 cs	6ks;s			0	0	cloudy	Wm. Norrington.
Chincoteague, Virginia	30.36	771.1	30.38	771.6	42.0	5.6	96	n.	6	2.7		0	fg			0	0	clear	O. F. Dickens.
Cincinnati, Ohio	29.59	751.6	30.28	769.1	48.2	9.0	76	e.	3	1.3		0	0			0	0	clear	L.Dunne.
Cleveland, Ohio	29.54	750.3	30.32	770.1	36.2	2.3	87	sw.	4	1.8		2 cs	sk.	nw.	sw.	0	0	dense smoke	W.Lilue.
Columbus, Ohio	29.43	747.5	30.32	770 1	39.4	4.1	82	sw.	4	1.8		7 cs	0	sw.		0	0	fair	F.T. Williams.
Concho, Fort, Texas	28.06	712.7	30.03	762.7	55.9	13.3	93	calm	0	0			10 s			0	0	cloudy	C. E. King.
Custer, Fort, Montana	26.73	678.9	30.06	763.5	24	— 4.4	76	se.	5	2.2		0	0			0.02	0.5	clear	W.J.Daily.
Davenport, Iowa	29.35	745.5	30.04	763.0	43.5	6.4	81	se.	14	6.3			10 n		se.	0.08	2.0	light rain	R. R. Martin.
Davis, Fort, Texas	25.18	639.6	30.04	763.0	43.6	6.4	76	calm	0	0			10 s			0	0	cloudy	J. Williams.
Dayton, Washington T'y	27.98	710.7	29.80	756.9	48.0	8.9	65	se.	6	2.7		0	7 s			0	0	fair	T.Gibson.
Deadwood, Dakota	25.25	641.3	30.09	764.3	27.0	— 2.8	80	e.	3	1.3		5 c	0	w.		0.03	0.8	fair	G.W.Scott.
Delaware Breakwater, Del	30.37	771 4	30.39	771.9	40.3	4.6	97	w.	4	1.8			10 ks;fg		w.	0	0	cloudy	G.A.Martin.
Denver, Colorado	24.67	626.4	30.11	764.8	24.2	— 4.3	69	s.	10	4.5		0	0			0.05	1.3	clear	F. M. Neal.
Des Moines, Iowa	28.94	735 1	29.90	759.4	46	7.8	83	se.	9	4.0			10 s		se.	0.68	17.3	cloudy	F. W. Conrad.
Detroit, Michigan	29.60	751.8	30.36	771 1	45.0	7.2	83	sw.	1	0.4		3 ck	0	sw.		0	0	clear	N.B.Conger.
Dodge City, Kansas	27.38	695 4	30.11	764.8	30.6	— 0.8	71	w.	8	3.6		0	0			0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.32	744.7	30.07	763.8	42.2	5.7	80	e.	1	0.4			10 s			0.27	6.9	cloudy	J. Harvey Smith
Duluth, Minnesota	29.39	746.5	30.18	766 6	23.2	— 4.9	83	e.	9	4.0			10 s			0	0	cloudy	E.R.Brace.
Eastport, Maine	30.04	763.0	30.11	764.8	36.0	2.2	73	sw.	8	3.6		3 c	hz.	w.		0	0	clear	D. C. Murphy.
Elliott, Fort, Texas	27.25	692.1	30.08	764.0	34	1.1	66	nw.	14	6.3		0	0			0	0	clear	J. C. Rickli.
El Paso, Texas	26.22	666 0	30.02	762.5	43.2	6.2	38	calm	0	0		0	5 s			0	0	fair	F.Belford.
Erie, Pennsylvania	29.60	751.8	30.37	771.4	40.8	4.9	79	calm	0	0		0	0			0	0	clear	P.Wood.
Escanaba, Michigan	29.54	750.3	30.25	768.3	24.0	— 4.4	73	n.	5	2.2		10c;ck	0	nw.		0	0	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.48	748.8	29.98	761.5	57.4	14.1	80	e.	6	2.7			10 s		s.	0	0	cloudy	J. B. Campbell.
Galveston, Texas	29.93	760.2	29.97	761.2	65.7	18.7	96	sw.	6	2.7			10 n		sw.	0.95	24.1	light rain	E. O'C. Macnamara
Grand Haven, Michigan	29.54	750.3	30.24	768.1	38.5	3.6	89	ne.	3	1.3		4 ck	0			0	0	fair	Joseph E. Mueller
Grant, Fort, Arizona	25.16	639.1	29.98	761.5	45	7.2	44	ne.	6	2.7		3cs;ck	0	sw.		0	0	clear	Chas. A. Read.
Hatteras North Carolina	30.34	770.6	30.35	770.9	52.3	11.3	66	ne.	8	3.6		0	hz.			0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.69	652.5	30.01	762.2	30	— 1.1	70	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	28.51	724.1	29.99	761.7	27.6	— 2.4	98	n.	9	4.0	.....	.....	10 s	.....	.....	0.20	5.1	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.37	746.0	30.21	767.3	44.0	6.7	76	se.	4	1.8	.....	2 cs	0	w.	.....	0	0	clear	C. F. R. Wappenhans.
Indianola, Texas	29.91	759.7	29.94	760.5	67.5	19.7	98	s.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	L. A. Reed.
Jacksonville Florida	30.18	766.6	30.23	767.8	64.0	17.8	92	ne.	4	1.8	.....	3 cs	6 s	.....	ne.	0	0	cloudy	J. W. Smith.
Keokuk, Iowa	29.32	744.7	30.01	762.2	46.3	7.9	87	e.	6	2.7	.....	.....	10 s	.....	e.	0.24	6.1	cloudy	F. Z. Gosewisch.
Key West, Florida	30.12	765.0	30.14	765.5	75.5	24.2	82	e.	8	3.6	.....	4ck;cs	2 k	sw.	e.	0	0	fair	J. J. Lackey.
Kittyhawk, North Carolina	30.37	771.4	30.39	771.9	45.8	7.7	79	e.	7	3.1	.....	0	0	.....	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.22	742.2	30.28	769.1	45.8	7.7	83	ne.	4	1.8	.....	0	fg.	.....	.....	0	0	clear	J. A. Cody.
La Crosse, Wisconsin	29.22	742.2	30.04	763.0	41	5.0	82	ne.	2	0.9	.....	.....	10 n	.....	.....	0.22	5.6	light rain	S. C. Emery.
Leavenworth, Kansas	28.97	735.8	29.91	759.7	49	9.4	77	sw.	5	2.2	.....	.....	10 s	.....	s.	0.46	11.7	cloudy	C. Dill.
Lewiston, Idaho	28.90	734.0	29.76	755.9	42.0	5.6	74	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	O. E. Butler.
Little Rock, Arkansas	29.67	753.6	30.00	762.0	60.0	15.6	84	sw.	4	1.8	.....	.....	10 s	.....	.....	fnap.	fnap.	cloudy	W. U. Simons.
Los Angeles, California	29.58	751.3	29.98	761.5	47.7	8.7	91	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	T. S. Collins.
Louisville, Kentucky	29.61	752.1	30.20	767.1	48.0	8.9	79	ne.	4	1.8	.....	1 c	0	.....	.....	0	0	clear	E. B. Garriott.
Lynchburg, Virginia	29.66	753.4	30.38	771.6	43.0	6.1	83	calm	0	0	.....	.....	10s;fg	.....	.....	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.67	752.1	30.31	769.9	31.4	— 0.3	94	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	D. B. Notson.
Macon, Fort, North Carolina	30.34	770 6	30.35	770.9	51.0	10.6	83	ne.	12	5.4	.....	0	hz.	.....	.....	0	0	clear	William Daly.
Maginnis, Fort, Montana	25.30?	642.6?	29.90?	759.4?	34.8	1.6	49	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.50	749.3	30.27	768.8	25.0	— 3.9	71	w	1	0.4	.....	8 cs	0	w.	.....	0	0	cloudy	J. Gilligan.
Memphis, Tennessee	29.70	754.4	30.04	763.0	59.5	15.3	84	se.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.41	747.0	30.20	767.1	39.2	4.0	81	e.	5	2.2	.....	0	9 s	.....	.....	0.05	1.3	cloudy	S. W. Rhode.
Mobile, Alabama	30.06	763.5	30.10	764.5	60.9	16.1	90	e.	1	0.4	.....	8 ck	fg.	sw.	.....	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.91	759.7	30.15	765.8	57.5	14.2	56	se.	8	3.6	.....	5c;cs	0	.....	.....	0	0	fair	S. M. Leitsell.
Moorhead, Minnesota	29.04	737.6	30.12	765.0	8	—13.3	76	n.	10	4.5	.....	0	0	.....	.....	0	0	clear	H. Bessant.
Mt. Washington, N. H	23.62	599.9	30.14	765 5	16.3	— 8.7	93	nw.	72	32.2	.....	.....	fg.	.....	nw.	0.02	0.5	dense fog	J. H. Melton.
Nashville, Tennessee	29.57	751 1	30.17	766.3	50.0	10.0	75	e.	3	1.3	.....	6 c	0	w.	.....	fnap.	fnap.	fair	L. N. Jesunofsky.
New Haven, Connecticut	30.18	766.6	30.30	769.6	32.6	0.3	88	se.	2	0.9	.....	.....	hz.	.....	.....	0	0	dense haze	J. H. Sherman.
New London, Connecticut	30.27	768.8	30.32	770.1	37.0	2.8	72	w.	1	0.4	.....	0	.....	.....	.....	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	29.96	761.0	30.02	762 5	64.5	18.1	92	e.	1	0.4	.....	.....	10 s	.....	s.	0	0	cloudy	M. Herman.
New York, New York	30.15	765.8	30.33	770.4	37.8	3.2	83	calm	0	0	.....	0	3 s	.....	.....	fnap.	fnap.	clear	W. Finn.
Norfolk, Virginia	30.33	770.4	30.36	771.1	45.2	7.3	88	calm	0	0	.....	0	fg.	.....	.....	0	0	clear	Wm. Davis.
North Platte, Nebraska	26.92	683.8	29.98	761.5	27.6	— 2.4	78	nw.	18	8.0	.....	.....	10 s	.....	.....	0.38	9.7	cloudy	E. F. Brady.
Olympia, Washington Ter	29.72	754.9	29 76	755.9	42.5	5.8	88	s.	3	1.3	.....	.....	10 s	.....	.....	fnap.	fnap.	cloudy	J. Dascomb.
Omaha, Nebraska	28.63	727.2	29.88	758.9	41.7	5.4	90	s.	4	1.8	.....	0	0	.....	.....	0.32	8.1	clear	A. Pollak
Oswego, New York	29.95	760 7	30.29	769.4	39.3	4.1	78	sw.	6	2.7	.....	10s;hz	hz.	.....	.....	0	0	clear	J. G. Linsley.
Palestine, Texas	29.40	746.7	29.98	761.5	59.4	15.2	91	ne.	5	2.2	.....	0	6 s	.....	ne.	0.14	3.6	fair	P. T. Jenkins.
Pensacola, Florida	30.08	764.0	30.11	764.8	64.8	18.2	83	e.	10	4.5	.....	4ko;cs	0	w	.....	0	0	fair	M. McGauran.
Philadelphia, Pa	30.25	768.3	30.35	771.9	45.0	7.2	93	nw.	2	0.9	.....	.....	10 s	.....	nw.	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.56	446.0	30.15	765.8	— 1.0	—18.3	79	nw.	30	13.4	.....	0	0	.....	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.49	749.0	30.34	770.6	42.8	6.0	83	n.	1	0.4	.....	0	7s;fg	.....	w.	0	0	fair	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	30.1	— 1.1	.....	.....	.....	.....	.....	0	8 s	.....	.....	0	0	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.58	751.3	30.30	769.6	31.0	1.6	88	s.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	M. H. Perry
Portland, Maine	30.14	765.5	30.19	766.8	35.0	1.7	72	sw.	9	4.0	.....	2 c	hz.	nw.	.....	0	0	clear	W. W. Eichelberger.
Portland, Oregon	29.71	754.6	29.78	756.4	44.0	6.7	93	s.	10	4.5	.....	.....	10 n	.....	.....	0.44	11.2	light rain	M. L. Hearns.
Prescott, Arizona	24.60	624.8	29.99	761.7	28.0	— 2.2	80	calm	0	0	.....	0	0	.....	.....	0	0	clear	N. D. Lane.
Provincetown, Mass	30.25	768.3	30.28	769.1	35.0	1.7	89	w.	4	1.8	.....	3 c	0	.....	.....	0.02	0.5	clear	C. N. Kitchel.
Red Bluff, California	29.55	750.6	29.92	760.0	51	10.6	83	nw.	8	3.6	.....	.....	10 n	.....	s.	fnap.	fnap.	light rain	J. R. Williams.
Rio Grande City, Texas	29.73	755.1	29.97	761.2	58.0	20.0	93	se.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	29.62	752.3	30.32	770.1	37	2.8	85	sw.	9	4.0	.....	5 c; hz	hz.	.....	.....	0	0	fair	E. W. McGann.
Roseburg, Oregon	29.31	744.5	29.87	758.7	43.6	6.4	92	w.	5	2.2	.....	.....	10 n	.....	sw.	0.36	9.1	light rain	J. J. Nanry.
Sacramento, California	29.86	758.4	29.93	760.2	49.2	9.6	81	se.	10	4.5	.....	.....	10 s	.....	s.	0	0	cloudy	J. A. Barwick.
St. Louis, Missouri	29.42	747.3	30.07	763.8	50.0	10.0	77	se.	13	5.8	.....	4 cs	6 ks	.....	sw.	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.55	750.6	29.58	751.3	13.8	—10.1	94	n.	8	3.6	.....	.....	10 n	.....	.....	0.01	0.3	light snow	Fred. H. Clarke.
St. Paul, Minnesota	29.12	739.6	30.03	762 7	38.0	3.3	82	e.	10	4.5	.....	.....	10 n	.....	e.	0.03	0.8	light rain	P. F. Lyons.
St. Vincent, Minnesota	29.23	742.4	30.17	766.3	2	—16.7	72	se.	2	0.9	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.59	650.0	30.11	764.8	28.5	— 1.9	61	ne.	2	0.9	.....	0	0	.....	.....	fnap.	fnap.	clear	J. Craig.
San Diego, California	29.90	759.4	29.97	761.2	51.5	10.8	88	ne.	3	1.3	.....	5 cs	0	.....	.....	0	0	fair	F. R. Day.
Sandusky, Ohio	29.62	752.3	30.34	770.6	39	3.9	82	s.	8	3.6	.....	3 ck	0	s.	.....	0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	30.31	769.9	30.34	770.6	38.7	3.7	84	s.	7	3.1	.....	10 k	0	w.	.....	0	0	cloudy	V. P. Chappel.
Sanford, Florida	30.12	765.0	30.17	766.3	66.0	18.9	93	se.	2	0.9	.....	.....	fg.	.....	.....	fnap.	fnap.	dense fog	J. B. Marbury
San Francisco, California	29.91	759.7	29.98	761.5	52.4	11.3	81	w.	9	4.0	.....	.....	10 s	.....	w.	0	0	cloudy	N. Gorom.
Savannah, Georgia	30.17	766.3	30.26	768.6	54.5	12.5	94	ne.	2	0.9	.....	2 c	fg.	sw.	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.17	664.7	29.97	761.2	36.5	2.5	64	sw.	19	8.5	.....	0	0	.....	.....	0.01	0.3	clear	A. L. Mathews.
Shreveport, Louisiana	29.76	755.9	29.94	760.5	60.8	16.0	94	e.	3	1.3	.....	.....	10 s	.....	e.	0.87	22.1	threatening	E. N. Meekins.
Sitka, Alaska	29.61	752.1	29.68	753.9	33	0.6	83	e.	3	1.3	.....	0	4 ks	.....	e.	0.49	12.4	fair	F. W. Fickett.
Smithville North Carolina	30.28	769.1	30.32	770.1	56.3	13.5	90	ne.	11	4.9	.....	1 ck	0	.....	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.72	704.1	29.84	757.9	31.5	— 0.3	85	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.34	745.2	30.00	763.5	49.3	9.6	76	se.	13	5.8	.....	hz.	3 s	.....	s	fnap.	fnap.	clear	T. B. Jennings.
Stockton, Fort, Texas	26.94	684.3	30.02	762.5	48.0	8.9	62	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.53	750.0	29.63	752.6	41.1	5.1	92	se.	7	3.1	.....	.....	10 s	.....	se.	0 42	10.7	cloudy	R. Connor.
Thomas, Camp, Arizona	27.19	690.6	29.97	761.2	39.2	4.0	50	w.	.....	.....	1	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.57	751.1	30.30	769.6	38.2	3.4	88	calm	0	0	.....	7 cs	sk.	w.	.....	0	0	clear	A. Buell.
Unalashka, Alaska	29.39	746.5	29.41	747.0	33	0.6	78	se.	20	8.9	.....	.....	10 n	.....	.....	0.02	0.5	light snow	Samuel Applegate.
Vicksburg, Mississippi	29.78	756.4	30.04	763.0	64	17.8	78	se.	3	1.3	.....	.....	10 s	.....	s.	0	0	cloudy	F. W. Mixer.
Washington, D. C	30.29	769.4	30.41	772.4	39.7	4.3	91	e.	1	0.4	.....	2 cs	fg.	.....	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	26.03	661.2	30.10	764.5	25.5	— 3.6	72	w.	10	4.5	.....	0	0	.....	.....	0	0	clear	F. H. Brandenburg.
Wilmington, N Carolina	30 27	768.8	30.33	770.4	49.5	9.7	89	e.	5	2.2	.....	0	0	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.47	723.1	29.86	758.4	38.4	3.6	100	e.	5	2.2	.....	.....	fg.	.....	.....	0.18	4.6	dense fog	E. H. Thompson.
Yuma, Arizona	29.78	756.4	29.93	760.2	49.8	9.9	65	calm	0	0	.....	2 c	0	sw.	.....	0	0	clear	W. S Delano.
Duo-series.																			
Behringsland, Kamchatka	29.46	748.3	29.48	748.8	24.2	— 4.3	85	n.	7	3.1	.....	0	7 k	.....	.....	0.02	0.5	fair	George Oherulck.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	80	26.7	.....	ne.	.....	.....	2	2 c	4 k	.....	ne.	0	0	fair	W. H. Jackson.
bogota, U. S. C	22.00	558.8	.....	.....	50.3	13.5	87	s.	4	2	.....	1 cs	0	n.	.....	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.23	742 4	29.39	746.5	— 2	—18.9	100	nw.	42	18.8	.....	.....	10 n	.....	sw.	0.14	3.6	light snow	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.10	764.5	72.2	22.3	72	wsw.	3	1.3	.....	0	9 s	.....	e.	0	0	cloudy	Robert Johnston.
Paramaribo, S. A	.....	.....	.....	.....	77	25.0	86	ne.	.....	.....	3	4 c	5 k	e.	e.	0	0	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	30.05	763.3	30.05	763.3	77	25.0	86	ne.	.....	.....	3	4 c	5 k	e.	e.	0	0	.....	Dr. C. J. Hering.
Rivas, Nicaragua, C. A	29.40	746.7	29.96	761.0	77	25.0	94	n.	.....	.....	1	.....	7 ks	.....	calm	0	0	fair	Francesco J. Cisneros.
York Factory, B. A	.....	.....	.....	.....	75.2	24.0	84	ne.	.....	.....	2	.....	1 ks	.....	ne.	0	0	clear	Earl Flint.
	29.90	759.4	29.96	761.0	—21.0	—29.4	.....	nw.	14	6.3	.....	1 c	0	nw.	.....	0	0	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.95	760.8	29.96	761.0	78.4	25.8	84	n.	13.9	6.2	.....	.....	5 k	.....	n.	0	0	fair	P. Fusiani.
Naos, Bay of Panama	29.91	759.8	29.98	761.5	73.8	23.2	91	n.	.....	.....	4	.....	1 k	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, N. 38° 12′, W. 74° 06′	.....	.....	42	5.6	.....	s.	.....	.....	3	.....	10	.....	.....	0	0	long	ne.	foggy.
S. S. Alpin, N. 19° 40′, W. 75° —′	.....	.....	79	26.1	.....	e.	.....	.....	2	.....	.....	.....	.....	0	0	sm'h	.....	clear.
S. S. Adriatic, N. 50° 47′, W. 14° 52′	.....	.....	.....	.....	.....	nw.	.....	.....	3	.....	.....	.....	w.	.....	.....	mod.	sw.	fine.
S. S. America, N. 47° 30′, W. 8° 30′ *	30.15	765.8	51	10.6	86	wsw.	.....	.....	4	.....	5	.....	w.	3 h'r	3 h'r	sm'h	w	fair.
S. S. Athos, Port Limon, Costa Rica, C. A	.....	.....	.....	.....	.....	w.	.....	.....	2	.....	5	.....	sw.	4 h'r	4 h'r	long	ne.	fair.
S. S. British Princess, N. 39° 34′ W. 56° 45′ †	30.19	766.8	.....	.....	.....	ne.	.....	.....	2	.....	10	.....	w.	0	0	sm'h	wsw.	overcast.
S. S. Britannic, N. 50° 20′, W. 17° 15′ *†	30.15	765.8	48	8.9	.....	wsw.	.....	.....	4	.....	2	.....	w.	0	0	mod.	w.	clear.
S. S. Caracas, N. 22° 00′, W. 68° 45′ *†	30.20	767.1	76.5	24.7	79	ese.	.....	.....	5	.....	5	.....	ese.	0	0	sm'h	.....	fine.
S. S. Celtic, N. 40° 40′, W. 69° 29′ †	30.30	769.6	.....	.....	71	nw.	.....	.....	3	.....	6	.....	sw.	0	0	sm'h	.....	fine.
S. Dora, N. 38° 50′, W. 69° 48′	.....	.....	46.4	8.0	.....	n.	.....	.....	5	.....	8	.....	nne.	4 h'r	4 h'r	light	nne.	overcast.
S. S. Devonia, N. 44° 54′, W. 43° 52′ †	29.87	758.7	38	3.3	.....	nw.	.....	.....	6	.....	9	.....	nw	6 h'r	6 h'r	h'vy	cross	cloudy.
S. S. England, N 41° 20′, W. 47° 40′	30.15	765.8	.....	.....	.....	nw.	.....	.....	6	.....	5	.....	nw.	8 h'r	8 h'r	h'vy	nnw.	fair.
S. S. Elysia, N. 40° 19′, W. 48° 30′ *	29.98	761.5	59	15.0	100	s.	.....	.....	4	.....	5	.....	s.	0	0	mod.	nw.	fair.
S. S. Fulda, N. 40° 36′, W. 7° 41′	30.32	770.0	36.5	2.5	97	nnw.	.....	.....	3	.....	1	.....	n.	0	0	mod.	n.	clear.
S. S. Gellert, N. 47° 16′, W. 26° 49′	29.84	757.9	56.0	13.3	88	ssw.	.....	.....	6	.....	4?	.....	ssw.	0	0	long	ssw.	covered.†
S. S. George S. Thomas, N. 37° 18′, W. 72° 50′	.....	.....	.....	.....	.....	nne.	.....	.....	2	.....	6	.....	n.	0	0	sm'h	e.	fair.
S. S. Greece, N. 47° 02′, W. 56° 07′ †	30.32	770.1	41	5.0	.....	w.	.....	.....	1	.....	7	.....	sw.	2 h'r	2 h'r	sm'h	nne.	fine.
S. S Habsburg, N. 43° 20′, W. 45° 00′	30.00	762.0	.....	.....	.....	nnw.	.....	.....	6	.....	8	.....	nw.	10 h'r	10 h'r	long	nnw.	cloudy.
S. S. Iowa, Boston Bay, Mass †	30.20?	767.1?	36	2.2	.....	sw.	.....	.....	4	.....	1	.....	sw.	0	0	sm'h	sw.	clear.
Schr. John Bracewell, Salem, Mass	.....	.....	34	1.1	.....	wsw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Lord Clive, N. 39° 54′, W. 68° 25′	.....	.....	.....	.....	.....	n.	.....	.....	4	.....	8	.....	nw.	0	0	sm'h	.....	cloudy.
S. S. Lampassas, N. 25° 35′, W. 84° 43′ †	30.10	764.5	77	25.0	.....	se.	.....	.....	4	.....	1	.....	se.	18 h'r	18 h'r	sm'h	.....	clear.
Bg. L. F. Munson, N. 25° 50′, W. 75° 36′ *†	30.20	767.1	76	24.4	.....	ene.	.....	.....	4	.....	3	.....	ene.	0	0	sm'h	.....	fair.
S. S. Main, N. 47° 46′, W. 26° 06′	29.85	758.2	50.0	10.0	.....	s.	.....	.....	6	.....	5	.....	s.	0	0	cross	s.	fair.
S. S Nurnberg, N 37° 06′, W. 68° 22′	30.12	765.0	57.2	14.0	.....	nnw.	.....	.....	4	.....	8	.....	nnw.	½ h'r	½ h'r	mod.	n.	cloudy.
S. S. Nessmore, N. 48° 34′, W. 23° 39′	.....	.....	53	11.7	80	sw.	.....	.....	6	.....	4	.....	sw.	4 h'r	4 h'r	mod.	w.	threatening.
S. S. Orinoco, N. 35° 00′, W. 68° 15′ †	30.13	765 3	62	16.7	.....	wnw	.....	.....	2	.....	5	.....	wnw.	½ h'r	½ h'r	r'gh	cross	fine.
Bk. Orpheus, N. 40° 42′. W. 62° 20′	.....	.....	54	12.2	.....	e.	.....	.....	2	.....	9 k	.....	ne.	0	0	mod.	e.	cloudy.
S. S. Pavonia, off Holyhead, Eng	29.99	761.7	56	13.3	81	ssw.	.....	.....	2	.....	8?	.....	s.	0	0	sm'h	.....	clear.†
S. S. Pennsylvania, N. 50° 10′, W. 19° 25′	.....	.....	51	10.6	86	sw.	.....	.....	4	.....	4	.....	sw.	0	0	mod.	nw.	clear.
S. S. Rugia, N. 49° 51′, W. 6° 53′	.....	.....	50	10.0	.....	wsw.	.....	.....	3	.....	7	.....	wsw.	0	0	3	wsw.	cloudy.
S. S. State of Georgia, N. 48° —′, W. 35° 12′ †	29.09	738.9	50	10.0	.....	ssw.	.....	.....	3	.....	7	.....	ssw.	sh'rs	sh'rs	h'vy	wsw.	clearing
S. S. Salerno, N. 47° 29′, W. 21° 49′ †	30.17	766.3	57	13.9	.....	s.	.....	.....	9	.....	5	.....	ssw.	0	0	mod	sw.	fine.
S. S. Switzerland, N. 44° 06′, W. 32° 44′ *†	29.61	752.1	.....	.....	.....	s.	.....	.....	5	.....	5	.....	ssw.	0	0	mod	sw.	fine.
S. S. Samaria, N. 50° 55′, W. 180 50′	.....	.....	51	10.6	.....	wsw.	.....	.....	6	.....	10	.....	wsw.	8 h'r	8 h'r	h'vy	s.	raining.
S. S. The Queen, N. 45° 16′, W. 35° 13′	29.57	751.1	49	9.4	85	wsw.	.....	.....	2	.....	8	.....	w.	5 h'r	5 h'r	long	w.	fine.
S. S. Valencia, Curacoa, W. I †	30.04	763.0	79.5	26.4	86	ene.	.....	.....	7	.....	10	.....	w.	3 h'r	3 h'r	hv'y	wsw.	clearing.
S. S. Westernland, New York Harbor, N. Y	30.32	770.1	40	4.4	73	ssw.	.....	.....	5	.....	5	.....	e.	3 h'r	3 h'r	.....	.....	showery.
S. S. Wieland, N. 48° 30′, W. 24° 16′	.....	.....	53	11.7	.....	ssw.	.....	.....	4	.....	8	.....	n.	0	0	.....	.....	cloudy.
S. S. Weser, N. 45° 08′, W. 37° 41′	29.51	749.5	44.6	7.0	.....	ssw.	.....	.....	5	.....	4	.....	ssw.	0	0	long	sw.	fair.
S. S. Zeeland, N. 39° 58′, W. 64° 22′ *†	30.20	767.1	49	9.4	.....	w.	.....	.....	9	.....	10	.....	w.	10 h'r	10 h'r	h'vy	wsw.	squally.
S. S. Ontario, N. 55° 25′, W 100 30′	.....	.....	49	9.4	93	nne.	.....	.....	5	.....	10	.....	n.	0	0	sm'h	.....	dull.
S. S. Cienfuegos, Cienfuegos, Cuba, W. I	30.11	764.8	72	22.2	.....	w	.....	.....	3	.....	10	.....	w.	4 h'r	4 h'r	r'gh	w.	cloudy.
S. S. Anchoria, N. 50° 23′, W. 28° 28′	.....	.....	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	ene.	0	0	.....	.....	clear.
S. S. Chalmette, N. 24° 26′, W 82° 56′	30.15	765.8	74	23.3	.....	s.	.....	.....	6	.....	10	.....	s.	10 h'r	10 h'r	h'vy	s.	overcast.
S. S. Erin, London, Engt	30.06	763.5	49	9.4	.....	ese.	.....	.....	4	.....	4	.....	e	0	0	sm'h	.....	fair.
S. S. Grecian, Glasgow, Scotland	29.90	759.4	52	11.1	79	w.	.....	.....	3	.....	8	.....	w.	0	0	.....	.....	cloudy.
Bg. John Wesley, Sagua le Grande, Cuba, W. I	.....	.....	.....	.....	.....	sw.	.....	.....	6	.....	5	.....	wsw.	2 h'r	2 h'r	.....	.....	cloudy.
S. S. Lone Star, N. 39° 58′, W. 73° 55′ *†	30.28	769.1	39	3.9	.....	sse.	.....	.....	1	.....	6	.....	ssw.	0	0	.....	.....	cloudy.
S. S. Ohio, (Am) Liverpool, Eng †	30.00	762.0	51	10.6	93	sw.	.....	.....	1	.....	5	.....	nw.	0	0	small	e.	light fog.
S. S. St. Laurent, N. 41° 36′, W. 56° 45′	.....	.....	41.0	5	.....	wnw.	.....	.....	1	.....	10	.....	wnw.	0	0	.....	.....	overcast.
Bgt. Sunlight, N. 17° 46′, W. 64° 31′ *†	30.11	764.8	.....	.....	.....	sse.	.....	.....	1	.....	5	.....	nnw.	0	0	r'gh	nne.	fair.
Schr. Viola Reppard, N. 26° 30′, W. 75° 38′ †	30.25	768.3	76	24.4	.....	e.	.....	.....	4	.....	8	.....	ene.	0	0	sm'h	.....	cloudy.
S. S. Werra, N. 41° 26′, W 51° 50′ *	30.30	769.7	34.7	1.5	.....	e.	.....	.....	3	.....	4	.....	e.	0	0	small	se.	fair.
U. S. S. Kearsarge, Alexandria, Egypt	30.06	763.5	66	18.9	74	nne.	.....	.....	4	.....	.....	.....	nne.	0	0	r'gh	nne.	clear.
U. S. S. Lancaster, Alexandria, Egypt	30.06	763.5	65	18.3	89	nne.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
U. S. S. Alliance, St. Pierre, Martinique, W. I	30.09	764.3	76	24.4	73	ene.	.....	.....	3	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Galena Port au Prince, Hayti, W. I*	30.05	763.3	75	23.9	60	e.	.....	.....	3	.....	8	.....	ene.	hv'y	hv'y	sm'h	.....	cloudy.
U S. S. Jamestown, Pointe à Pitre, Guadeloupe, W.I.	30.13	765.3	77	25.0	61	e	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Portsmouth, Fort de France, Martinique, W.I	30.08	764.0	75	23.9	90	ene.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	clear,
U. S S Saratoga, N. 39° 50′, W. 33° 37′	29.93	760.2	58	14.4	76	sw.	.....	.....	5	.....	5	.....	ene.	.....	.....	.....	.....	fair.
U. S. S. Swatara, N. 9° 31′, W. 81° 35′	29.96	761.6	80	26.7	82	nne.	.....	.....	7	.....	8	.....	sw.	0	0	sm'h	.....	cloudy.
U. S. S. Yantic, Charleston, S.C	30.30	769.6	60	15.6	94	ne.	.....	.....	2-3	.....	5	.....	nne.	0	0	sm'h	nne.	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.88	758.9	62	16.7	46	ese.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	foggy.
H. M. S. Alecto, N. 5° 01′, E. 1° 54′	29.83	757.7	84	28.9	.....	ssw.	.....	.....	2	.....	9	ese.	.....	.....	.....	.....	.....	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.14	765.5	64	17.8	73	w.	.....	.....	4	.....	7	wsw.	.....	.....	.....	3	s.	d. clouds.
H. M. S. Minotaur, Marmaras Bay, Asia Minor	30.08	764.0	60	15.6	76	sse.	.....	.....	4	.....	4	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	29.77	756.2	73.4	23.0	91	nw.	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	d. clouds.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	.....	.....	83.3	28.5	70	ssw.	.....	.....	2	.....	6	.....	ne.	0	0	2	sw.	d. clouds.
S. S. British Prince, N. 39° 38′, W 64° 34′	.....	.....	56	13.3	51	e.	.....	.....	4	.....	7	.....	sw.	2 h'r	2 h'r	2	s.	d. clouds.
S. S. Polynesian, N. 53° 34′, W 18° 39′	30.06	763.5	52	11.1	.....	ssw.	.....	.....	3	.....	10	.....	e.	6 h'r	6 h'r	mod.	ene.	cloudy.
S. S. Scandinavian, N. 51° 39′, W. 25° 37′	29.76	755.9	50	10.0	.....	s.	.....	.....	3	.....	3	.....	s.	0	0	sm'h	sw.	fair.
S. S. Sardinian, N. 55° 08′, W. 12° 49′	29.92	760.0	47	8.3	.....	nw.	.....	.....	6	.....	10	.....	s.	sh'rs	sh'rs	cross	ssw.	overcast.
S. S. Ailsa, Port au Prince, Hayti, W.I	.....	.....	77	25.0	88	ene.	.....	.....	4	.....	4	.....	nw.	1 h'r	1 h'r	mod.	wnw.	fair.
S. S. Alps, N. 18° 28′, W. 66° 06′	.....	.....	77	25.0	.....	calm	.....	.....	1	.....	2	.....	ne.	0	0	.....	.....	fair.
S. S. Dorian, Leghorn, Italy	29.50	749.3	.....	.....	.....	nne.	.....	.....	0	.....	1	.....	se.	rain	rain	sm'h	.....	fine.
S. S. Galatia, Leghorn, Italy	.....	.....	54	12.2	.....	nne.	.....	.....	5	.....	8	.....	nne.	6 h'r	6 h'r	.....	.....	
S. S. Gallia, N. 41° 32′, W. 52° 50′	30.28	769.1	39	3.9	.....	ne.	.....	.....	6	.....	8	.....	nne.	2 h'r	2 h'r	.....	.....	threatening
S. S. Labrador, N 49° 50′, W. 4° 30′	.....	.....	60.8	16.	.....	w.	.....	.....	2	.....	2	.....	n.	0	0	mod.	ne.	fine.
S. S. Wyoming, N. 42° 13′, W. 46° 44′	30.14	765.5	33	0.6	.....	nnw.	.....	.....	3	.....	2	.....	sw.	0	0	sm'h	w	
S. S. Westphalia, Hamburg, Germany	29.88	758.9	47	8.3	.....	wsw	.....	.....	6	.....	5	.....	nnw.	3 h'r	3 h'r	hv'y	nnw.	clearing.
S. S. Teniers, N. 4° 50′, W. 4° 55′	30.14	765.5	51.7	10.9	73	wsw.	.....	.....	5	.....	6	.....	w.	2 h'r	2 h'r	.....	.....	cloudy.
S. S. Archimede, (It) N. 36° 50′, W. 34° 37′ †	30.06	763.5	64	17.8	.....	ssw.	.....	.....	3	c	8 s	.....	.....	0	0	long	wnw.	d. clouds.
S. S. Picqua, Messina, Sicily	.....	.....	59	15.0	70	wnw.	.....	.....	3	.....	5?	.....	ssw.	0	0	r'gh	nw.	cloudy.†
S. S. Oregon, (Br.) N. 47° 57′, W. 27° 54′	.....	.....	53	11.7	.....	s.	.....	.....	7	.....	.....	.....	.....	8 h'r	8 h'r	.....	w.	cloudy.
S. S. City of Merida, N. 19° 00′, W. 93° 50′	.....	.....	77.0	25	.....	e.	.....	.....	6	.....	8	.....	ssw.	0	0	mod.	ssw.	cloudy.
S. S. Canada, (Br) N. 50° 40′, E. 0° 55′ †	30.11	764.8	52	11.1	.....	sw.	.....	.....	2	.....	.....	.....	n.	0	0	light	ese.	fine.
S. S. Neckar, N. 40° 24′, W. 72° 00′	30.35	770.9	44.6	7.0	71	w.	.....	.....	4	.....	8	.....	calm	0	0	sm'h	.....	cloudy.
S. S. Belgenland, N. 46° 17′, W. 25° 13′	.....	.....	53	11.7	93	sw.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	ne.	clear.
S. S. Pennland, Antwerp, Belgium	30.03	762.7	44	6.7	.....	wnw.	.....	.....	6	.....	.....	.....	w.	0	0	long	nw.	cloudy.
S. S. Waesland, New York, N. Y	30.32	770.1	40	4.4	.....	s.	.....	.....	3	.....	8	.....	n.	0	0	.....	.....	cloudy.
S. S. Amsterdam, N. 40° 28′ W. 61° 00′	.....	.....	55.4	13.0	98	e.	.....	.....	4	.....	8	.....	nw.	0	0	.....	.....	cloudy.
S. S. P. Caland, N. 47° 08′, W. 11° 10′	.....	.....	53.6	12.0	84	nnw.	.....	.....	5-6	.....	8	.....	e,	3 h'r	3 h'r	light	e;s	
S. S. Zaandam, N. 40° 43′, W. 53° 32′	.....	.....	44.6	7.0	79	n.	.....	.....	3	.....	5	.....	nne.	0	0	5	nw.	
S. S. Saxon, N. 40° 10′, W. 73° 30′	.....	.....	39	3.9	.....	nnw.	.....	.....	1	.....	6	.....	ene.*	4 h'r	4 h'r	mod.	nw.	fair.
S. S. Republic, N. 40° 42′, W. 62° 00′	30.24	768.1	50	10.0	79	e.	.....	.....	5	.....	2	.....	nw.	0	0	.....	.....	fine.
S. S. Lepanto, N. 36° 53′, W. 8° 55′	.....	.....	62	16.7	.....	e.	.....	.....	2	.....	9	.....	e.	0	0	mod.	ne.	d. clouds.
S. S. Marengo, Hull, Engt	29.92	760.0	56	13.3	.....	w.	.....	.....	3	.....	2	.....	e.	0	0	sm'h	.....	clear.
Bk. Aureola, N 38° 40′, W. 60° 30′ †	30.17	766.3	60	15.6	82	ese.	.....	.....	7	.....	2	.....	wnw.	.....	.....	sm'h	.....	clear.
Bg. Abbie Clifford. N. 26° 14′ W. 58° 12′ †	30.21	767.3	72	22.2	.....	wsw.	.....	.....	2	.....	6	.....	e.	0	0	mod.	ne.	fair.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	30.02	762.5	80	26.7	.....	calm	.....	.....	1	.....	1	.....	.....	.....	.....	light	se.	fine.
S. Annie, N. 30° 11′, W. 70° 49′ *	30.16	766.1	.....	.....	.....	ne.	.....	.....	0	.....	2	.....	ene.	0	0	.....	.....	clear
Schr. Abbie H. Gheen, Springwood Mills, S. C. *†	30.33	770.4	60	15.6	.....	calm	.....	.....	3	.....	2	.....	.....	0	0	mod	.....	clear.
Bk. Alpha, N. 18° 20′, W. 35° 45′ *†	30.06	763.5	73	22.8	.....	n.	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	foggy.
									5	.....	2	.....	n.	0	0	sm'h	.....	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bk. Bore, N. 22° 48′, W. 24° 20′*†	29.90	759 4	72	22.2	.....	wsw.	.....	.....	3	.....	3	.....	s.	2 h'r	2 h'r	sm'h	nw.	fair.
S. S. Bracadale, N 43° 13′, W. 9° 44′	.....	.....	60	15.6	.....	nne.	.....	.....	5	.....	0	.....	c	.....	.....	light	nw.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	29.99	761.7	78	25.6	.....	ene.	.....	.....	4	.....	6	.....	e.	1 h'r	1 h'r	.....	.....	fair.
Bk. Cato, Setubal, Portugal†	30.21	767.3	62	16.7	83	nnw.	.....	.....	2	.....	.....	.....	.....	0	0	.....	.....	fair.
Bk. C. S. Bushnell, N. 38° 15′, E. 4° 30′	29.98	761.5	.....	.....	.....	n.	.....	.....	5	.....	2†	.....	nnw.	0	0	cross	.....	cloudy.†
S. David Stewart, N. 26° 49′, W. 73° 42′	.....	.....	80	26.7	.....	ese.	.....	.....	4	.....	8	.....	ese.	0	0	mod.	ese.	cloudy.
Schr. Edith R. Seward, N. 15° 08′, W. 66° 30′	.....	.....	79	26.1	.....	ene.	.....	.....	3	.....	3	.....	ene.	¼ h'r	¼ h'r	r'gh	ene.	clear.
Bk. Esmeralda, off Orkney Ids, Scotland	29.80	756.9	.....	.....	.....	ssw.	.....	.....	4	.....	9	.....	w.	3 h'r	3 h'r	long	nnw.	cloudy.
U. S. Fish Com. S. S. Fish Hawk, Kings Ferry, Fla.	.....	.....	68	20.0	.....	calm	.....	.....	0	.....	8	.....	calm	0	0	.....	.....	cloudy.
Bg. George, Arroyo, Porto Rico W. I.	.....	.....	.....	.....	.....	ene.	.....	.....	2	.....	10	.....	.....	rain	rain	mod.	.....	squally.
S. Grecian, N. 15° 38′, W. 46° 20′†	30.16	766.1	74	23.3	76	ne.	.....	.....	6	.....	4	.....	ne.	0	0	sm'h	.....	clear.
Bk. Galeon, N. 22° 21′, W. 18° 45′	.....	.....	69	20.6	.....	n.	.....	.....	2	.....	1	.....	n.	0	0	.....	n	blue sky.
Bk. Heinrich & Tonio, N. 40° 55′, W. 33° 25′ *†	29.86	758.4	58	14.4	78	sw.	.....	.....	6	.....	10	.....	sw.	0	0	mod.	.....	cloudy.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	.....	.....	78	25.6	.....	ene.	.....	.....	5	.....	8	.....	ne.	0	0	.....	.....	
S. Henry Failing, N. 22° 11′, W. 47° 46′*†	30.15	765.8	73	22.8	95	ne.	.....	.....	3	.....	3	.....	ene.	0	0	mod	une.	clear.
Schr. Jennie N. Huddell, Smithville, N. C†	30.30	769.6	56	13.3	.....	ne.	.....	.....	3	.....	2	.....	sw.	c	0	.....	.....	fair.
Bg. John Welsh, jr., Barbadoes, W. I.	.....	.....	.....	.....	.....	ene.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W. I *†	30.08	764.0	.....	.....	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Ciudad, Venezuela	.....	.....	77	25.0	.....	ene.	.....	.....	3	.....	6	.....	ene.	½ h'r	½ h'r	.....	.....	fair.
Bg. L. & W. Armstrong, Mayaguez, Porto Rico, W.I†	30.06	763.5	.....	.....	.....	calm	.....	.....	0	.....	1	.....	ene.	0	0	.....	.....	flue.
Light-house tender Laurel, Key West, Fla†	30.11	764.8	76	24.4	.....	se.	.....	.....	2	.....	7	.....	sse.	0	0	.....	.....	fair.
S. S. Madrid, N. 36° 00′, W. 8° 58′ †	30.13	765.3	64	17.8	78	ene.	.....	.....	3	.....	0	.....	.....	0	0	mod.	nnw	clear.
Schr. Maggie Abbott, Gonaives, Hayti, W.I*†	30.02	762.5	.....	.....	.....	.....	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Rosalie, N. 45° 45′, W. 9° 50*†	30.23	767.8	.....	.....	.....	sw.	.....	.....	2	.....	3	.....	sw.	0	0	light	nnw.	clear.
Bk. Rosina, N. 41° 18′, W. 24° 07′	30.06	763.5	60	15.6	.....	sse.	.....	.....	6	.....	5	.....	sse.	0	0	mod.	sse.	cloudy.
S. Saga, Sapelo Id, Ga.	.....	.....	61	16.1	.....	nne.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Sunbeam, Lisbon, Portugal†	30.15	765.8	63	17.2	78	ene.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
S. Stephen D. Horton, N. 48° 51′, W. 19° 26′	30.10	766.1	.....	.....	.....	ssw.	.....	.....	4	.....	3	.....	sw.	6 h'r	6 h'r	long	wnw.	clear.
S. Tsemogora, N. 37° 50′, W. 47° 19′ *†	30.07	763.8	.....	.....	.....	n.	.....	.....	4	.....	8	.....	une.	2 h'r	2 h'r	long	wnw.	
Bk. Tros, N. 22° 37′, W. 41° 19′ *†	30.19	766.8	69	20.6	.....	nne.	.....	.....	4	.....	2	.....	n.	0	0	mod.	n.	fair.
S. Vincenzo Accame, N. 37° 24′, E. 12° 29′†	29.74	755.3	60.8	16	.....	w.	.....	.....	6	.....	10	.....	w.	2 h'r	2 h'r	h'vy	wsw.	
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	82	27.8	.....	se.	.....	.....	2	.....	8	.....	.....	6 h'r	6 h'r	.....	.....	hazy.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, S. Africa	29.90	759.4	71	21.7	53	wsw.	5	2.2	.....	.....	0	.....	.....	0	0	sm'h	.....	clear.
U. S. S. Pensacola, St. Helena Id, Africa	29.96	761.0	80	26.7	66	sse	.....	.....	2	.....	5	.....	sse.	0.65	16.5	sm'h	.....	fair.
H. M. S. Amethyst, S. 4.° 44′, W. 59° 30′	29.70	754 4	63	17.2	66	sw.	.....	.....	5	.....	2	s.	.....	.....	.....	3	sw.	blue sky.
H. M. S. Bonaicea, St. Paul de Loando, Guinea	29.79	756.7	82	27.8	83	se.	.....	.....	2–4	.....	2	sse.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	30.03	762.7	70	21.1	85	calm	.....	.....	0	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	29.93	760.2	70.5	21.4	93	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela.	29.88	758.9	75.0	23.9	66	wnw.	.....	.....	2	.....	2	.....	.....	0	0	1	.....	blue sky.
S. S. Archimedes, (Br) S. 28° 45′, W. 46° 55′	30.04	763.0	.....	.....	.....	n.	.....	.....	5	.....	8	.....	n.	¼ hr	¼ hr	mod.	var.	cloudy.
S. S. Hevelius, S. 1° 39′, W. 30° 30′*†	30.00	762.0	80	26.7	.....	nnw.	.....	.....	4	.....	9	.....	n.	7 h'r	7 h'r	sm'h	.....	cloudy.
S. S. Rosse, S. 7° 05′, W. 34° 30′	29.88	758.9	77	25.0	84	ene.	.....	.....	6	.....	10	.....	ese.	4 h'r	4 h'r	short	ese.	squally.
Bk. Adelaide, S. 22° 21′, W. 41° 21′*†	30.20	767.1	82	27.8	.....	calm	.....	.....	0	.....	1	.....	nw.	0	0	light	se.	clear.
Bk. Achille F., S. 2° 45′, W. 30° 30′*†	29.92	760.0	80	26.7	89	nw.	.....	.....	4	.....	5	.....	wnw.	4 h'r	4 h'r	long	nw.	fair.
S. Frank N. Thayer, S. 2° 35′, W. 25° 40′	.....	.....	.....	.....	.....	wsw.	.....	.....	2	.....	9 kn	.....	e.	rain	rain	mod.	se.	showery.
S. S. Gatherer. S. 3° 27′, W. 20° 45′ †	29.92	760.0	78	25.6	95	sw.	.....	.....	2	.....	10	.....	sw.	2 h'r	2 h'r	.....	se.	raining.
S. S. Ismir, S. 9° 03′, W. 29° 09′ *†	29.85	758.2	.....	.....	.....	ene.	.....	.....	5	.....	3	.....	ene.	rain	rain	.....	se.	rainy.
Bkt. Levanter, S. 27° 26′, W. 44° 00′ *.	30.14	765.5	82	27.8	.....	ne.	.....	.....	3	.....	1	.....	.....	0	0	light	e.	clear.
S. S. Mendoza, S. 1° 21′, W. 37° 27′†	30.05	763 3	.....	.....	.....	ne.	.....	.....	1	.....	.....	.....	.....	6 h'r	6 h'r	sm'h	n.	clear.
S. S. Leipzig, S. 6° 15′, W. 32° 55′*	29.98	761.5	75.5	24.2	88	ese.	.....	.....	3	.....	10	.....	ese.	11 h'r	11 h'r	mod.	ese.	covered
U. S. S. Shenandoah, Montevideo, Uruguay *	29.96	761.0	70	21.1	100	nne.	.....	.....	1	.....	10	.....	ne.	.....	.....	sm'h	.....	overcast.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.85	758.2	49.5	9.7	89	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Alert, Shanghai, China	30.16	766.1	48	8.9	92	ne	.....	.....	3–4	.....	10	.....	ene.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 31° 20′, E. 134° 46′.	30.03	762.7	64	17.8	78	ese.	.....	.....	3	.....	5	.....	wnw.	.....	.....	sm'h	sw.	fair.
U. S. S. Juniata, Roze Island, Corea	30.10	766.1	40	4.4	91	wnw.	.....	.....	2	.....	0	.....	.....	light	light	.....	.....	clear.
U. S. S. Palos, Shanghai, China	30.15	765.8	45	7.2	100	ne.	.....	.....	4	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	29.94	760.5	69	20.6	90	ene.	.....	.....	2	.....	10	ene.	.....	.....	.....	.....	.....	overcast.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	29.97	761.2	63	17.2	89	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	raining.
H. M. S. Champion, Shanghai, China	30.13	765.3	46	7.8	77	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	squally.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	29.98	761.5	61	16.1	91	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. P. M. S. Magpie, N. 0° 56′, E. 104° 15′	29.82	757.4	82.5	28.1	75	ne.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
U. S. S. Pamega, Macao, China	29.96	760.9	69.8	21	73	calm	.....	.....	0	.....	10	.....	.....	24 h'r	24 h'r	.....	.....	raining.
S. S. Monocacy, Canton, China	29.93	760.2	67	19.4	100	e.	.....	.....	1	.....	10	.....	e.	.....	.....	.....	.....	raining.
S. S. Newbern, N. 23° 19′, W. 106° 50′	.....	.....	70	21.1	75	nnw.	.....	.....	4	.....	5	.....	sw.	0	0	light	nnw.	fair.
S. S. City of Chester, Eureka, Cal	29.96	761.0	47	8.3	100	w.	.....	.....	2	.....	10	.....	.....	h'vy	h'vy	.....	.....	
S. S. Oregon, Portland, Oregon†	29.82	757.4	44	6.7	84	calm	.....	.....	0	.....	8	.....	sw.	.....	.....	.....	.....	cloudy.
S. S. Alameda, N. 22° 27′, W. 156° 19′†	30.21	767.3	79	26.1	58	ne.	.....	.....	3	.....	10?	.....	une.	0	0	light	w.	clear.?
S. S. Ancon, San Francisco, Cal †	29.97	761.2	52	11.1	68	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. State of California, N. 45° 46′, W. 124° 10′ †	29.73	755.1	56?	13.3?	86	wsw.	.....	.....	3	.....	8	.....	sw.	.....	.....	long	sw.	
S. S. Australia, N. 28° 53′, W. 145° 14′	30.40	772.1	67	19.4	55	se.	.....	.....	4	.....	4	.....	.....	2 h'r	2 h'r	.....	.....	
S. S. City of Pekin, Hong Kong, China†	29.93	760.2	66	18.9	94	ene.	.....	.....	3	.....	10	.....	ene.	0	0	.....	.....	overcast.
S. S. City of Rio de Janeiro, N. 34° 43′, W. 130° 45′†	30.20	767.1	58	14.4	.....	nw.	.....	.....	6	.....	.....	.....	nw.	.....	.....	long	nw.	clear.
S. S. City of Tokio, N. 30° 04′, W. 166° 24 †	30.27	768.8	66	18.9	79	sse.	.....	.....	2	.....	10	.....	sse.	.....	.....	sm'h	.....	heavy rain.
S. S. Colima, N. 36° 40′, W. 121° 55′†	30.00	762.0	54	12.2	80	nw.	.....	.....	5	.....	7	.....	nw.	0	0	mod.	nw.	cloudy.
S. S. Granada, Panama, Panama†	29.92	760.0	74	23.3	86	nw.	.....	.....	1	.....	2	.....	nw.	0	0	.....	.....	clear.
S. S. San Blas, N. 21° 40′, W. 105° 48′†	29.95	760.7	69	20.6	90	ne.	.....	.....	3	.....	1	.....	calm	0	0	sm'h	sw.	clear.
S. S. San José, N. 19° 04′, W. 104° 19′†	30.00	762.0	73	22.8	76	nw.	.....	.....	1	.....	2	.....	.....	0	0	sm'h	.....	clear.
S. S. Zealandia, N. 33° 45′, W. 131° 30′	30.23	767.8	58	14.4	76	nnw.	.....	.....	4	.....	4	.....	n.	.....	.....	mod.	n.	fair.
S. J. W. Gildemeister, S. 6° 10′, E. 107° 38′	.....	.....	67	19.4	89	calm	.....	.....	0	.....	7	.....	se.	0	0	.....	.....	cloudy.
U. S. S. Port Phillip, N. 5° 59′, E. 138° 44′	29.87	758.7	82.4	28	85	ne.	.....	.....	3	.....	2 ks	.....	nw.	0	0	2	une.	d. clouds.
S. S. Richmond, N. 27° 36′, E. 121° 56′	29.96	761.0	84	28.9	83	ne.	.....	.....	3	.....	.....	.....	.....	.....	.....	light	e.	gloomy.
S. S. Oceanic, N. 34° 16′, E. 172° 20′	30.06	763.5	57	13.9	100	n.	.....	.....	5	.....	10	.....	n.	.....	.....	sm'h	.....	rainy.
District No. 4—South Pacific.	30.18	766.6	57	13.9	81	s.	.....	.....	5	.....	6	.....	s.	0	0	4	n.	fair.
U. S. S. Pinta, S. 48° 03′, W. 74° 36′	29.39	740.5	47	8.3	85	nnw.	.....	.....	2	.....	10	.....	wnw.	.....	.....	.....	.....	drizzling.
U. S. S. Wachusetts, Valparaiso, Chili	29.93	760.2	57	13.9	94	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Espiegle, S. 34° 17′, E. 174° 48′	29.73	755.1	64	17.8	89	wsw.	.....	.....	3	.....	5	.....	.....	.....	.....	1	sw.	d. clouds.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.97	761.2	58	14.4	.....	calm	.....	.....	0	.....	8	.....	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Lark, S. 35° 30′, E. 174° 52′	29.75	755.0	63.3	17.4	86	wsw.	.....	.....	2	.....	3	.....	.....	.....	.....	2	ne.	blue sky.
H. M. S. Mutine, Callao, Peru	29.95	760.7	70	21.1	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	misty.
S. S. Sappho, S. 18° 00′, W. 72° 00′	30.03	762.7	75	23.9	90	se.	.....	.....	2	.....	0	.....	.....	.....	.....	2	se.	blue sky.
U. S. S. City of Sydney, Sydney, N. S. W *†	30.17	766.3	65	18.3	84	s.	.....	.....	1	.....	1 k	.....	s.	.....	.....	.....	.....	clear.
U. S. S. Onward, Callao Bay, Peru *†	30.04	763.0	71	21.7	90	sse.	.....	.....	1	.....	10	.....	se.	.....	.....	long	n.	cloudy.
U. S. S. Iroquois, Coquimbo, Chili	29.94	760.5	59	15.0	82	nw.	.....	.....	2	.....	10	.....	nw.	.....	.....	.....	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	71	21.7	85	sse.	.....	.....	1	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.86	758.4	78	25.6	100	sse.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Myrmidon, Suez Canal, Egypt	30.02	762.5	76	24.4	68	nnw.	.....	.....	2	.....	4	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.81	757.2	85	29.4	76	ene.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 12° 23′, E. 77° 07′*	29.85	758.2	.....	.....	.....	ese.	.....	.....	5	.....	5	.....	ese.	0	0	mod.	se.	fair.

International Chart I. March 22, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 23, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	30.04	763.1	62.2	16.8	64	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	30.03	762.8	57.2	14.0	53	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.89	759.1	57.6	14.2	76	nw.	.....	.....	5	.....	5	.....	.....	0.087	2.2	cloudy	Fonfrède.
Tunis	.....	.....	29.82	757.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.06	763.6	57.2	14.0	47	sw.	.....	.....	3	.....	1	.....	.....	0	0	very fair	Forfert.
Laghouat	.....	.....	30.06	763.6	66.6	19.2	.....	ssw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	30.05	763.3	65.1	18.4	60	w.	.....	.....	3	.....	0	.....	.....	0	0	clear	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.03	762.7	77.8	25.4	28	calm	0	0	.....	1 cs	.....	.....	.....	0	0	.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.87	758.7	30.06	763.5	59.8	15.4	89	n.	5	2.2	.....	.....	1	.....	n.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.01	762.2	30.10	764.5	70.5	21.4	69	nne.	3	1.3	.....	.....	9	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.41	747 0	29.97	761.2	45.7	7.6	35	ne.	.....	.....	3	.....	10	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.15	740.3	29.92	760.0	47.1	8.4	57	n.	0	0	.....	.....	10	.....	.....	0.028	0.7	.....	Dr. Wierzbiski
Eperies	29.04	737.5	29.93	760.2	44.2	6.8	57	n.	.....	.....	4	.....	10 s	.....	s.	0.110	2.8	.....	Julius Mikolik.
Gratz	28.70	728.9	29.96	760.9	49.5	9.7	42	nw.	.....	.....	4	.....	8	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.32	719 4	29.74	755.4	53.4	11.9	91	nw.	.....	.....	1	.....	10	.....	.....	0.453	11.5	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.65	727.8	30.03	762.7	41.7	5.4	72	w.	.....	.....	1	.....	10	.....	.....	0	0	cloudy	The Staff.
Lemberg	28.93	734.9	29.95	760.6	40.3	4.6	78	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.74	755.5	29.85	758.3	51.8	11.0	54	ene.	.....	.....	8	.....	2	.....	.....	0.165	4.2	.....	I. R. Hydrographic Office.
Szathmar	29.30	744.1	29.76	755.8	52.9	11.6	64	n.	.....	.....	4	.....	6	.....	.....	0.102	2.6	.....	Joseph Midlinszky, S. J
Szegedin	29.56	750.8	29.84	758.0	45.9	7.7	85	nw.	.....	.....	2	.....	10	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.82	757.5	29.92	760.0	51.6	10.9	43	ne.	.....	.....	5	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.30	744.1	30.03	762.7	45.0	7.2	43	nnw.	.....	.....	2	.....	7	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.62	726.9	30.04	763.0	43.2	6.2	72	sw.	.....	.....	1	.....	3	.....	.....	0.008	0.2	.....	.....
Brussels	29.83	757.6	30.03	762.8	46.0	7.8	93	wsw.	.....	.....	2	.....	10	.....	wsw.	inap.	inap.	raining	.....
Furnes	30.04	762.9	30.06	763.4	47.3	8.5	84	nw.	.....	.....	1	.....	10	.....	.....	0	0	.....	.....
Maeseyck	29.88	759.0	30.01	762.2	47.3	8.5	84	w.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.93	760.2	30.03	762.7	46.6	8.1	46	nw.	27	12.1	.....	.....	3	.....	.....	0	0	blue sky	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.16	766.1	47.2	8.4	74	wnw.	18	8.0	.....	.....	5	.....	.....	.....	.....	d. clouds	John Harnup.
Bolton, Sharples	29.57	751.1	30.12	765.0	46.4	8.0	67	nnw.	19	8.5	.....	.....	5	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.73	755.1	30.12	765.0	47.4	8.6	63	n.	.....	.....	4	.....	9	.....	.....	0.01	0.3	overcast	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.00	762.0	30.03	762.7	83	28.3	53	ne.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	48.0	8.9	63	n.	.....	.....	0.6	.....	7	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E.	29.92	760.0	30.10	764.5	48.5	9.2	68	nw.	.....	.....	1	.....	7	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.96	761.0	30.20	767.1	50.2	10.1	72	sse.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.75	704.8	30.06	763.5	77.5	25.3	52	n.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	30.11	764.8	30.15	765.8	48	8.9	78	nw.	.....	.....	1	.....	3	.....	.....	0	0	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	29.77	756.1	29.87	758.7	61.4	16.3	86	e.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.93	760.2	30.10	764.5	48.1	8.9	67	n.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.89	759.2	30.19	766.8	49.0	9.4	78	nw.	.....	.....	1	cs	10	.....	.....	.....	.....	overcast	A. Collenette, F.R.M.S
Kew, Observatory	30.08	764.0	30.12	765.0	49.0	9.4	57	n.	10	4.5	.....	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.87	758.7	30.13	765.3	49.5	9.7	48	wnw.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.64	752.8	29.72	754.9	51.6	10.9	76	sw.	.....	.....	3	.....	6	.....	.....	0.22	5.6	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.09	764.3	30.14	765.5	77.5	25.3	90	se.	.....	.....	2	.....	7	.....	.....	blank	blank	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.90	759.4	30.13	765.3	48.3	9.1	56	nnw.	.....	.....	4	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	30.09	764.3	30.16	766.1	54.1	12.3	64	calm	.....	.....	0	.....	2	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.90	759.4	30.00	762 0	44.6	7.0	70	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	d. clouds	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.72	754.9	29.79	756.7	62.8	17.1	54	sse.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	W. H. Lyne.
Sheffield	29.84	757.9	30.12	765.0	49.6	9.8	61	nw.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	30.09	764.3	30.12	765.0	46.8	8.2	83	sw.	.....	.....	2	.....	10	.....	.....	0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.14	765.5	47.2	8.4	60	nw.	12	5.4	.....	.....	10	.....	.....	0	0	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	51.9	11.1	61	n.	.....	.....	1.5	.....	0	.....	.....	.....	.....	blue sky	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	30.15	765.8	30.17	766.3	50.9	10.5	77	sse.	17	7 6	.....	.....	5	.....	.....	blank	blank	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29 39	746.5	29.78	756.4	51.4	10.8	82	nw.	15.5	6.9	.....	.....	10 n	.....	nw.	0.26	6.6	drizzling	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.86	758.4	29.98	761.5	66.7	19.3	98	e.	13	5.8	.....	.....	6 k	.....	se.	0	0	fair	The Staff.
CANADIAN.																			
Bathurst, N. B	30.31	769.9	30.35	770.9	10.0	—12.2	.....	calm	0	0	.....	2 cs	0	.....	.....	0	0	blue sky	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.33	770.4	30.38	771.6	13	—10.6	83	ne.	3	1.3	.....	0	0	.....	.....	0.030	0.8	clear	H. J. Cundall, C. E.
Chatham, N. B*	30.34	770.6	30.41	772.4	3	—16.1	91	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	G. A. Blair.
Cornwall, Ontario	29.81	757.2	30.01	762.2	32.2	0.1	79	ne.	.....	.....	1	0	8 s	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	30.30	769.0	30.36	771.1	6.5	—14.2	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	30.28	769.1	30.30	769.6	16	— 8.9	83	s.	4	1.8	.....	5 cs	2 ks	.....	.....	0	0	fair	J. McWilliams
Fort Garry, Manitoba*	28.82	732.0	29.73	755.1	5	—15.0	100	s.	4	1.8	.....	.....	10 n	.....	.....	0	0	fair	James Stewart.
Fredericton, N. B	30.36	771.1	30.43	772.9	10.1	—12.2	77	nw.	1	0.4	.....	10 cs	0	.....	.....	inap.	inap.	overcast	Dr. Thos. Harrison.
Grand Manan, N. B	30.36	771.1	30.41	772.4	31	— 0.6	57	calm	0	0	.....	5 c	0	.....	.....	0	0	fair	J. Chipman Seeley
Granton, Ontario	28.74	730.0	29.84	757.9	44.0	6.7	100	s.	5	2.2	.....	.....	10 n	.....	.....	0.300	7.6	raining	Jas. Grant.
Halifax, N. S*	30.27	768.8	30.41	772.4	24	— 4.4	64	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	A. Allison.
Hamilton, Ontario	29.50	749.3	29.92	760.0	41.2	5.1	93	sw.	.....	.....	1	10 cs	0	sw.	.....	0.060	1.5	raining	Geo. Dickson, B. A.
Kingston, Ontario*	29.64	752.8	29.99	761.7	39	3.9	76	se.	7	3.1	.....	10 k	0	s.	.....	0	0	fair	A. P. Knight, M. A.
Little Glace Bay, N. S	30.20	766.6	30.30	769.6	20.0	— 6.7	85	ne.	1	0.4	.....	0	0	.....	.....	0	0	blue sky	C. H. Rigby.
London, Ontario	28.90	734 0	29.81	757.2	44.2	6.8	88	s.	.....	.....	2	.....	10 ks	.....	.....	0.13	3.3	raining	E. B. Reed.
Medicine Hat, N. W. T	27.30	693.4	29.64	752.8	28	— 2.2	92	s.	1	0.4	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	27.58	700.5	29.58	751.3	21	— 6.1	96	nw.	1	0.4	.....	0	2 s	.....	.....	0	0	foggy	Rev. J. M. Wellwood.
Montreal, Quebec*	29.92	760.0	30.14	765.5	31	— 0.6	81	se.	13	5.8	.....	.....	10 n	.....	.....	0	0	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.82	757.4	30.00	763.5	28.1	— 2.2	85	nne.	.....	.....	.....	0	9 ks	.....	.....	0	0	raining	A. McGill, M. A.
Parry Sound, Ontario*	29.11	739.4	29.81	757.2	39	3.9	82	se.	10	4.5	.....	.....	10 n	.....	s.	0.01	0.3	light rain	Rev. R. Mosley.
Peterboro, Ontario	29.18	741.2	29.93	760 2	36.7	2.6	78	e.	.....	.....	1	10 cs	0	sw.	.....	0	0	misty	Wm. O'Connor, M.A.
Port Arthur	28.70	729.0	29.40	746.7	34	1.1	100	n.	2	0.9	.....	.....	10 n	.....	.....	1.14	29.0	light snow	W. P. Cooke.
Port Dover, Ontario	29.15	740.4	29.86	758.4	43	6.1	100	s.	2	0.9	.....	.....	10 n	.....	.....	inap	inap.	light rain	H. Morgan.
Port Stanley, Ontario	29.19	741 4	29.85	758.2	41	5.0	89	sw.	6	2.7	.....	.....	10 n	.....	sw.	0.01	0.3	light rain	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec*	29.89	759.2	30.28	769.1	20	— 6.7	96	calm	0	0	.....	10 cs	0	W.	.....	0	0	cloudy	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.43	747.5	29.90	759.4	33	0.6	88	e.	19	8.5	.....	.....	10 ks	.....	sw.	inap.	inap.	light rain	W. H. McIntyre.
St. Andrews, N. B	30.29	769.4	30.35	770.9	26	— 3.3	90	e.	1	0.4	.....	0	0	.....	.....	0	0	clear	.....
St. John, N. B	30.25	768.3	30.40	772.1	22.8	— 5.1	92	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.03	737.3	29.74	755.4	44	6.7	89	s.	20	8.9	.....	.....	10 s	.....	.....	0.04	1.0	light rain	.....
Stratford, Ontario	28.52	724.4	29.82	757.4	41.2	5.1	87	s.	1	0.4	.....	.....	10 s	.....	.....	.....	.....	raining	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	30.28	769.1	30.35	770.9	16	— 8.9	73	w.	6	2.7	.....	0	0	.....	.....	0.02	0.5	clear	T.C.Hill, C.E.
Toronto, Ontario*	29.49	749.0	29.88	758.9	37	2.8	89	e.	6	2.7	.....	.....	10 ks	.....	se.	0.01	0.3	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.78	731.0	29.86	758.4	39.6	4.2	97	se.	4	1.8	.....	.....	10 s	.....	.....	0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	30.32	770.1	30.39	771.9	29	— 1.7	70	e.	4	1.8	.....	2 cs	0	w.	.....	0	0	fair	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.04	763 0	30.07	763.8	68.5	20.3	92	ne.	.....	.....	.....	0	0	.....	.....	0	0	fine	I. Garfelt.
Cape Town, The Castle	29.96	761.0	.....	.....	72.0	22.2	51	se.	.....	.....	.....	0	2 k	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.88	708.1	.....	.....	81	27.2	50	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	29.32	744.6	29.42	747.3	57.2	14.0	78	n.	.....	.....	3	.....	4	.....	nw.	0.512	13.0	cloudy	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	55.9	13.3	74	s.	.....	.....	1	.....	3 k	.....	s.	0.260	6.6	clear	Leon Herrera.
Valparaiso	29.74	755.5	29.85	758.1	56.5	13.6	91	sw.	.....	.....	1	0	0	.....	.....	.....	.....	clear	Paez-I-Ampuero.
CHINESE (*Sub-stations*).																			
Zi-Ka-Wei, near Shanghai	30.15	765.8	30.17	766.4	44.1	6.7	70	n.	6.7	3.0	.....	.....	10	.....	.....	0.075	1.9	covered	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.65	753.2	29.70	754.4	37.9	3.3	95	sw.	16	7.	.....	.....	10	.....	.....	.....	.....	raining	Oversergent Fischer.
Fanöe	29.72	754.9	29.74	755.4	39.4	4.1	92	wnw.	.....	.....	6	.....	10	.....	.....	.....	.....	raining	Overloerer Lauridsen.
Godthaab, Greenland	29.25	742.9	29.29	744.0	22.3	— 5.4	100	sse.	.....	.....	4	.....	10	.....	.....	.....	.....	snowing	S. Kleinschmidt.
Ivigtut, Greenland	29.38	746.2	29.40	746.7	25.5	— 3.6	.....	sse.	.....	.....	4–6	.....	10	.....	.....	.....	.....	snowing	.....
Stykkisholm, Iceland	29.04	737.6	29.08	738.7	39.6	4.2	76	se.	.....	.....	9	.....	10	.....	.....	.....	.....	raining	A. O. Thorlacius.
Thorshavn	29.95	760.8	29.98	761.4	44.6	7.0	81	s.	9	4	.....	.....	10	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	29.52	749.8	29.57	751 0	—15.7	—26.5	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....
Vestervig	29.54	750.3	29.63	752.6	41.5	5.3	91	nw.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.68	753.9	.....	.....	84.2	29.	.....	sw.	2.5	1.1	.....	2 ck	.....	.....	.....	0	0	.....	Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.53	750.1	30.19	766.9	52.5	11.4	35	ne.	.....	.....	1	2 c	.....	n.	n.	0	0	.....	M. Labroue, Director.
Alençon, Normal School	29.58	751.2	30.13	765 2	50.7	10.4	74	nw.	.....	.....	1	.....	5	.....	se.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.82	757.5	29.97	761.3	51.6	10.9	65	wsw.	.....	.....	2	.....	8	ene.	ene.	0	0	very cloudy	M. Ungerer, Director.
Avignon, Normal School	29.88	759.0	29.96	761.0	54.3	12.4	29	nnw.	.....	.....	6	.....	0	.....	.....	0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.55	750.6	30.11	764.9	49.6	9.8	42	e.	.....	.....	1	.....	8	.....	ene.	0	0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.84	758.0	30.11	764.9	50.0	10.0	79	nw.	.....	.....	1	.....	10	.....	wnw.	0	0	covered	M. Frère Eugène Marie.
Besançon, Normal School	29.15	740.4	30.06	763.6	46.4	8.	56	ne.	.....	.....	.....	.....	km	.....	s.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.88	758.9	30.14	765 6	51.6	10.9	43	ne.	.....	.....	1	.....	8	.....	.....	0	0	very cloudy	M. Rayet, Director.
Bourges, Normal School	29.60	751.8	30.13	765.3	49.6	9.8	69	w.	.....	.....	1	.....	5	.....	w.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.97	761.1	30.21	767.2	63.7	17.6	65	wsw.	.....	.....	1	.....	3	.....	wsw.	0.008	0.2	.....	M. de Kermaréc, Dir.
Caen, Normal School	29.98	761.5	30.06	763.4	52.7	11.5	94	n.	.....	.....	1	.....	5	.....	n.	0.020	0.5	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.73	755.1	30.05	763.3	45.0	7.2	91	s.	.....	.....	2	.....	8	e	ne.	0	0	very cloudy	M. Jadot, Director.
Charleville, Normal School	29.59	751 5	30.11	764.7	48.6	9.2	66	w.	.....	.....	1	.....	10	.....	.....	0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.74	729.9	30.12	765.1	45.3	7.4	45	n.	.....	.....	2	.....	10	.....	n.	0	0	.....	M. Alluard, Director.
Cluny, Normal School	29.22	742.1	30.07	763.8	47.3	8.5	52	n.	.....	.....	1	.....	5	.....	n.	0	0	cloudy	M. de Villemontée, Dir.
Commercy, Normal School	29.23	742.5	30.13	765.2	47.3	8.5	40	nw.	.....	.....	2	.....	5 kn	nw.	nw.	0.047	1.2	cloudy	Dr. Coulet, Director.
Gap, Normal School	27.36	695.0	29.91	759.6	50.9	10.5	37	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	M. Jarach, Director.
Gréasque, du Rhone	28.77	730.7	29.88	759.0	56.7	13.7	18	n.	.....	.....	2	.....	1	.....	n.	0	0	.....	M. Kina, Director.
Grenoble. Normal School	29.27	743.5	30.04	763.1	48.6	9.2	58	ne.	.....	.....	1	.....	k	.....	.....	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28.51	724.1	30.11	764.7	50.0	10.	62	ne.	.....	.....	4	.....	5 kn	.....	s.	0	0	cloudy	M. Delorme, Dir.
Lam al.e Normal School	29.89	759.3	30.17	766.3	50.7	10.4	69	nnw.	.....	.....	1	.....	n	.....	nnw.	0	0	.....	M. Pollpro, Dir.
Lescar, Normal School	29.55	750.6	30.12	765.0	53.1	11 7	36	ne.	.....	.....	1	.....	kn	.....	.....	0	0	.....	M. Chauvin, Director.
Lorient, Naval Observatory	30.10	764 6	30.21	767 2	60.1	15.6	61	s.	.....	.....	2	.....	5	.....	s.	0	0	½ covered	L'. T. Carré, Director.
Lyon, St. Genis-Laval	29.00	736 7	30.08	764.0	46.0	7.8	38	n.	.....	.....	6	.....	5 k	ssw.	nnw.	0	0	fair	M. Andié, Director.
Mans, Normal School	29.85	758.1	30.16	766.1	48.4	9.1	84	nw.	.....	.....	1	.....	8 kn	.....	nw.	0	0	very cloudy	M. Richard, Director
Marseille, Observatory	29.61	752.2	29.89	759.1	59.7	15.4	27	wnw.	.....	.....	4	.....	1	.....	.....	0	0	.....	M. Stephan, Director.
Montlouis	24 77	629.1	29.61	752 1	34.9	1.6	40	n.	16.8	7.5	.....	.....	3	n.	.....	0	0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.83	757.7	29.94	760.5	55.4	13.	73	n.	.....	.....	2	.....	1	nw.	.....	0	0	clear	M. Gaizin, Director.
Nancy, Normal School	29.29	744.0	30.08	764.1	47.1	8.4	42	.....	.....	.....	1	.....	km	.....	.....	0	0	.....	M. Hasse, Director.
Nantes, Observatory	30.05	763.3	30.21	767.4	57.6	14.2	52	nw.	.....	.....	0–1	.....	6 k; kn	.....	ne.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29.91	759.8	30.03	762.7	54.0	12.2	28	nw.	26.2	11.7	.....	.....	0	.....	.....	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	21.08	535.4	.....	.....	26.2	— 3.2	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Vaussenat, Director.
Privas, Normal School	28 93	734.8	30.01	762.2	51.1	10.6	37	n.	.....	.....	4	.....	1	n.	.....	0	0	clear	M. Tallieu.
Puy de Dôme Obs'y, Summit	25.11	637 7	.....	.....	24.4	— 4.2	98	nne.	.....	.....	3	.....	8	.....	nne.	0.012	0.3	.....	M. Alluard.
Rochefort, Naval Obs'y	30.14	765.6	30.17	766.4	57.2	14.0	47	nnw.	.....	.....	1	.....	2	.....	nnw.	0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.93	760 3	30.15	765 8	54.3	12.4	72	n.	.....	.....	1	.....	.....	.....	.....	0	0	.....	M. Brotlier, Director.
Rodez, Normal School	27.93	709.4	30.12	765.1	46.9	8.3	51	s.	.....	.....	0–5	.....	1 k	.....	n.	0	0	clear	M. Seger, Director.
Rouen, Normal School	30.07	763.7	30.11	764.9	52.5	11.4	83	nw.	.....	.....	1	.....	10	.....	nw.	0	0	covered	M. Moullot, Dir.
Saint Maur, Observatory	29.95	760.6	30.11	764.8	53.1	11.7	55	sw.	.....	.....	1	.....	10	.....	nnw.	0	0	.....	M. Renou, Director.
Toulouse, Observatory	29.43	747 6	30.16	766.1	52.5	11.4	32	nw.	.....	.....	2	.....	5	nw.	.....	0	0	cloudy	M. Baillaud, Director.
Tours	29.93	760.1	30.11	764.7	55.0	12.8	48	n.	.....	.....	1	.....	5	ne.	nne.	0	0	cloudy	M. de Tastes.
Versailles, Observatory	29.61	752.0	30.10	764.5	51.1	10.6	63	n.	.....	.....	1	.....	8	.....	.....	0.008	0.2	very cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	30.00	761.9	30.15	765.7	53.2	11.8	46	e.	9.8	4.4	.....	.....	8 k	.....	e.	0	0	.....	M. Garlier, Director.
GERMAN.																			
Ansbach	28.60	726 5	30.08	764.1	45.1	7.3	39	w.	.....	.....	2	.....	6	w.	.....	0.043	1.1	.....	Prof. Juedt.
Bamberg	29.19	741.3	30.03	762.8	46.8	8.2	52	w.	.....	.....	1	.....	5 k	.....	w.	0	0	.....	Prof. Dr. Hoh.
Berlin	29.77	756.1	29.91	759.8	47.8	8.8	51	sw.	.....	.....	3	.....	9	.....	.....	0.008	0.2	.....	Meteorological Institute
Breslau	29.48	748.7	30.01	762.2	43.0	6.1	57	wnw.	.....	.....	2	.....	10	.....	.....	0.004	0.1	.....	Royal University Obs'y
Carlsruhe	29.61	752.1	30.08	763.9	47.5	8.6	46	sw.	.....	.....	1	.....	1	ne.	.....	0.425	10.8	.....	Albert Senz.
Cassel	29.22	742.2	29.93	760.3	46.6	8.1	80	wnw.	.....	.....	5	.....	10	nw.	.....	0.051	1.3	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.67	753.5	30.03	762.8	50.0	10.0	41	wsw.	.....	.....	1	.....	4	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.63	727.1	30.08	763 9	44.1	6.7	74	sw.	.....	.....	4	.....	8	w.	.....	0.118	3.0	.....	Wilhelm, Chief Tel.
Hamburg	29.78	756.4	29.87	758.7	41.4	5.2	90	w.	.....	.....	4	.....	10	.....	.....	0.169	4.3	light rain	E. Preller.
Kiel	29.78	756.4	29.80	756.8	42.8	6.0	75	w.	.....	.....	2	.....	9	.....	.....	0.122	3.1	.....	Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.55	750.5	29.97	761.3	47.5	8.6	52	sw.	.....	.....	3	.....	8	wsw.	.....	0.004	0.1	.....	H. Leppig, Asst.
Magdeburg	29.72	754.9	29.91	759.7	46.9	8.3	62	wsw.	.....	.....	3	.....	10	.....	.....	0.004	0.1	.....	Weather Observatory.
Memel	29.83	757.6	29.87	758.8	41.2	5.1	85	w.	.....	.....	5	.....	10 k	.....	.....	.....	.....	.....	Isermann.
Munich	28.20	716.2	30.06	763.5	42.3	5.7	44	n.	.....	.....	2	.....	7	ne.	.....	0	0	.....	Central Station.
Neufahrwasser	29.87	758.7	29.89	759.1	42.4	5.8	72	sw.	.....	.....	2	.....	10	.....	.....	0.020	0.5	.....	A. Lothes.
Neustadt, Palatinate	29.52	749.8	30.05	763.2	48.4	9.1	50	sw.	.....	.....	1	.....	6	w.	.....	0.197	5.0	.....	Prof. Dickn ether.
Stuttgart	29.10	739 2	30.01	762.3	46.0	7.8	53	s.	.....	.....	1	.....	8	nw.	.....	0.110	2.8	.....	Prof. Dr. Schoder.
Wustrow	29.79	756.7	29.82	757.3	39.7	4.3	97	ssw.	.....	.....	3	.....	10	.....	.....	0.181	4.6	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.28	743.7	29.67	753.5	60.6	15.9	.....	s.	.....	.....	1.5	10	0	.....	.....	0.429	10.9	.....	Kokkides & Wourlisch
INDIAN.																			
Kurrachee	29.79	756.6	29.84	758.0	85.0	29.4	55	sw.	26.0	11.6	.....	.....	0	.....	.....	0	0	blue sky	
Deesa	29.34	745.2	29.80	756.9	96.0	35.6	17	w.	16.0	7.2	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.80	756.9	29.84	757.8	82.4	28.0	71	wnw.	15.0	6.7	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	27.96	710.2	29.77	756.1	92.3	33.5	16	nw.	24.0	10.7	.....	.....	1	.....	.....	0	0	d. clouds	
Belgaum	27.31	693.7	29.82	757.5	81.5	27.5	56	sw.	9.0	4.0	.....	.....	4	sse.	.....	0.01	0.3	d. clouds	
Lahore	29.06	738.2	29.81	757.1	78.4	25.8	34	nw.	8.0	3.6	.....	.....	6	.....	.....	0	0	d. clouds	
Roorkee	28.86	732.9	29.74	755.4	87.7	30.9	38	e.	.....	.....	.....	.....	0	.....	.....	0	0	blue sky	
Agra	29.18	741.0	29.72	754.8	98.1	36.7	27	w.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.68	728 5	29.68	754.0	100.7	38.2	11	calm	2.0	0.9	.....	.....	7	.....	w.	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p.sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Vubbulpore	28.41	721.6	29.72	754.9	96.3	35.7	20	calm	0	0	.....	.....	6	nw.	.....	0	0	d. clouds	
Lucknow	29.38	746.2	29.74	755.5	97.0	36.1	28	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Allahabad	29.41	747.0	29.71	754.6	96.7	35.9	26	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.58	751.4	29.77	756.0	88.6	31.4	48	ene.	6.8	3.0	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.77	705.4	29.74	755.5	86.6	30.3	22	n.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.66	753.5	29.75	755.5	85.0	29.4	67	w.	10.0	4.5	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29.76	755.9	29.78	756.4	84.5	29.2	64	s.	7.0	3.1	.....	.....	1	.....	se.	0	0	d. clouds	
Dhubri	29.72	754.9	29.84	757.9	76.9	24.9	77	calm	0	0	.....	.....	2	.....	.....	0	0	d. clouds	
Chittagong	29.87	758.7	29.96	761.0	78.7	25.9	79	sw.	5.2	2.3	.....	.....	5	.....	.....	0	0	d. clouds	
Sibsagar	29.50	749.3	29.84	757.9	76.3	24.6	73	ne.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Jeypore	28.34	719.8	29.74	755.5	93.4	34.1	10	w.	11.2	5.0	.....	.....	0	.....	.....	0	0	blue sky	
Zanzibar	29.85	758.2	29.87	758.7	88.0	31.1	56	ene.	8.0	3.6	.....	.....	1	ese.	.....	0	0	d. clouds	
Bellary	28.31	719.1	.....	.....	98.0	36.7	17	se.	2	0.9	.....	2 c	0	.....	.....	0	0	d. clouds	
Trichinopoly	29.54	750.3	.....	.....	95.3	35.2	34	ne.	0.3	0.1	.....	0	0	.....	.....	0	0	blue sky	
ITALIAN.																			
Udine	29.50	749.2	29.93	760.1	55.0	12.8	36	w.	1.3	0.6	.....	.....	3	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.40	746.7	29.91	759.8	54.5	12.5	41	ne.	4.9	2.2	.....	.....	4	ne.	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	29.81	757.1	29.52	759.9	51.8	11.0	55	se.	4.9	2.2	.....	.....	9	.....	.....	0.008	0.2	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.99	736.4	29.90	759.4	56.1	13.4	12	e.	3.8	1.7	.....	.....	0	.....	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.69	754.1	29.88	759.0	58.1	14.5	34	n.	4.3	1.9	.....	.....	2	ne.	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	29.83	757.7	29.88	758.9	50.5	10.3	71	ne.	13.6	6.1	.....	.....	5	nne.	.....	0.496	12.6	.....	Prof. Luigi Guidi.
Florence	29.61	752.2	29.87	758.7	52.7	11.5	58	ne.	.....	.....	6	.....	4	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	29.71	754.7	29.80	756.8	55.9	13.3	42	ene.	9.4	4.2	.....	.....	1	.....	.....	0	0	.....	Prof. P. Monte.
Rome	29.55	750.6	29.73	755.1	56.8	13.8	48	nw.	1.8	0.8	.....	.....	7	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	29.44	747.7	29.69	754.2	58.1	14.5	61	n.	4.3	1.9	.....	.....	4	.....	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	28.82	732.1	29.72	754.8	51.4	10.8	75	ene.	2.5	1.1	.....	.....	10	ne.	.....	0.276	7.0	.....	Prof. D. Conti.
Palermo	29.41	747.1	29.67	753.5	53.6	12.0	75	wsw.	10.5	4.7	.....	.....	10	wnw.	.....	0.031	0.8	.....	Prof. G. Cacciatore
Syracuse	29.65	753.0	29.69	754.1	61.3	16.3	75	w.	22.4	10.0	.....	.....	7	wnw.	.....	0.051	1.3	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.17	741.0	.....	.....	55.8	13.2	52	ne.	1.3	0.6	.....	.....	6	se.	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.01	762.2	30.04	763.1	32.3	0.2	85	calm	.....	.....	0	.....	10 k	.....	w.	0	0	cloudy	H. Hattori.
Awomori	30.00	762.0	30.04	763.0	28.8	— 1.8	73	s.	1.5	0.6	.....	0	4 s	.....	.....	0	0	fair	K. Ogawa.
Hakodate	30.04	763.1	30.05	763.4	25.0	— 3.8	64	calm	0	0	.....	0	2 s	.....	.....	0	0	clear	Y. Souma.
Hamamatsu	29.88	758.9	29.98	761.4	50.5	10.3	83	ene.	.....	.....	2	.....	10 s	.....	.....	0.748	19.0	overcast	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.91	759.7	29.93	760.2	51.2	10.7	81	sw.	0.5	0.3	.....	.....	10 n	.....	.....	0.130	3.3	raining	Y. Okamoto.
Kagoshima	29.86	758.4	29.87	758.7	56.0	13.3	73	nne.	.....	.....	2	.....	10 s	.....	.....	0.213	5.4	overcast	
Kanazawa	29.89	759.2	30.00	761.9	41.0	5.0	81	ne.	6.3	2.8	.....	.....	10ks;s	.....	.....	0.144	3.7	overcast	S. Endo.
Kioto	29.78	756.5	29.96	760.9	48.1	8.9	69	ne.	5.1	2.2	.....	.....	10 n	.....	.....	0.369	9.4	raining	M. Tojima.
Kochi	29.89	759.2	29.91	759.7	52.1	11.2	93	n.	2.5	1.1	.....	.....	10 n	.....	.....	0.510	13.0	raining	K. Kusunose.
Miasaka	29.86	758.4	29.80	759.1	53.2	11.8	96	n.	.....	.....	1	.....	10 n	.....	w.	0.496	12.6	raining	K. Masusaki&T. Ishitain.
Miyako	29.97	761.3	30.08	764.1	33.8	1.0	74	sse.	0.6	0.3	.....	.....	10 s	.....	.....	0	0	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.72	754.9	29.93	760.2	48.7	9.3	89	ne.	2.4	1.1	.....	.....	10 n	.....	.....	0.160	4.1	light rain	
Nemuro	30.01	762.2	30.06	763.5	28.6	— 2.2	80	calm	0	0	.....	0	7 s	.....	.....	.....	.....	snowing	A Shibuya.
Niigata	29.96	761.0	30.00	762.0	38.0	3.3	83	calm	0	0	.....	.....	10 ks	.....	nw.	0	0	cloudy	Satoo & Tomikawa.
Nobiru	30.04	762.9	30.05	763.3	39.2	4.0	79	sse.	22.8	10.2	.....	.....	10 s	.....	.....	0	0	covered	Yoshino & Midzushima.
Numadzu	29.97	761.2	30.01	762.2	48.4	9.1	80	ene.	.....	.....	2	.....	10 ks	.....	.....	0.409	10.4	cloudy	T. Ohgi.
Osaka	29.93	760.2	29.95	760.6	48.6	9.2	77	ne.	13.6	6.1	.....	.....	10 n	.....	.....	0.385	9.8	light rain	d. Omura.
Sakai	29.97	761.1	29.98	761.3	46.8	8.2	80	ne.	.....	.....	2	.....	10 ks	.....	wsw.	0.130	3.3	cloudy	Yamawchi & Sakamoto.
Sapporo	29.96	761.0	30.03	762.7	23.7	— 4.6	74	s.	2.8	1.2	.....	0	8 ns	.....	nw.	0.028	0.7	cloudy	S. Kimura.
Shimonoseki	29.80	756.9	29.94	760.6	48.7	9.3	79	ene.	.....	.....	1	.....	10 s	.....	.....	0.043	1.1	covered	S. Sakano.
Tokei Obs'y, Yeddo	29.90	760.9	30.04	762 9	45.5	7.5	75	sse.	.....	.....	.....	.....	10 s	.....	.....	0.300	9.1	covered	The Staff.
Wakayama	29.87	758.7	29.92	760.0	49.8	9.9	87	calm	0	0	.....	.....	10 n	.....	.....	0.360	9.1	raining	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.75	755.6	29.94	760.5	78.0	25.6	79	e.	10.5	4.7	.....	.....	10ks;k	.....	.....	0.35	8.9	overcast	The Staff.
MEXICAN.																			
Leon	24.29	617.0	30.04	763.0	51.8	11.0	68	nnw.	0.9	0.4	.....	0	0	.....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.70	754.4	29.96	761.0	68.0	20.0	79	nw.	1.6	0.8	.....	.....	10 n	.....	sw.	0	0	covered	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.05	763.3	30.05	763.3	45.9	7.7	.....	nnw.	.....	.....	3	.....	.....	.....	.....	0	0	.....	
Groningen	29.89	759.2	29.95	760.6	43.0	6.1	.....	n.	.....	.....	2	.....	.....	.....	.....	0.047	1.2	.....	
Helder	30.00	761.9	30.00	761.9	43.5	6.4	.....	nw.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	30.02	762.6	30.02	762.6	45.7	7.6	75	n.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Utrecht	29.97	761.2	30.02	762.4	40.8	8.2	71	nnw.	.....	.....	4	.....	8	.....	.....	0.043	1.1	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.86	758.5	.....	.....	75.0	23.9	94	nw.	0	0	.....	.....	7	.....	.....	0.457	11.6	.....	Lt. J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.65	753.1	29.71	754.7	42.4	5.8	58	n.	7	3	.....	.....	3	.....	.....	0.039	1.0	.....	
Brono	29.69	754.1	29.73	755.1	39.2	4.0	70	n.	.....	.....	6	.....	5	.....	.....	0	0	.....	
Christiania	29.54	750.3	29.69	754.0	40.2	7.9	49	e.	4	2	.....	.....	8	.....	.....	0	0	.....	
Gjesvær	29.89	759.1	29.91	759.7	21.2	— 0.0	.....	ne.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Lodingen	29.73	755.2	29.78	756.4	30.2	— 1.0	61	n.	.....	.....	6	.....	3	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A.M.R. dos Santos.
Funchal, Madeira	29.84	758.0	29.93	760.2	65.7	18.7	70	sw.	2.5	1.1	.....	.....	10	.....	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.66	753.3	29.99	761.8	63.5	17.5	47	ssw.	4.9	2.2	.....	.....	3	wnw.	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	30.01	762.3	30.08	764.1	63.0	17.2	72	s.	13.0	5.8	.....	.....	3	wnw.	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	29.97	761.2	30.00	762.1	70.3	21.3	68	ene.	.....	.....	2	.....	3	.....	.....	0	0	.....	
San Salvador, Congo	27.99	711.0	29.79	756.6	87.3	30.7	57	w.	.....	.....	1	.....	5	.....	.....	0.213	5.4	.....	
Serra da Estrella	25.22	640.5	29.95	760.6	47.7	8.7	13	nw.	20.6	9.2	.....	.....	0	.....	.....	0	0	.....	
RUSSIAN.																			
Akmolinski	29.07	738.3	30.24	768.0	16.0	— 8.9	72	e.	13	6	.....	3 c	0	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	29.73	755.1	29.75	755.6	31.1	— 0.5	86	ssw.	9	4	.....	.....	10	.....	.....	0.039	1.0	.....	Capt. Ssellwerstow
Ashurada	30.32	770.1	30.22	767.7	55.8	13.2	58	n.	18	8	.....	0	7 k;s	.....	.....	0	0	light clouds	
Astrakhan	30.35	771.0	30.28	769.0	39.9	4.4	40	ene.	7	3	.....	0	0	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.34	770.7	30.30	769.5	43.3	6.3	79	calm	0	0	.....	0	8 kn	.....	.....	0.608	0.2	.....	
Barnaul	29.89	759.2	30.43	773.0	19.9	— 6.7	63	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.45	748.0	29.93	760.3	32.7	0.4	78	s.	13	6	.....	.....	10 s	.....	.....	0.161	4.1	light snow	
Dorpat	29.50	749.2	29.74	755.5	38.3	3.5	85	sw.	7	3	.....	.....	10 n	.....	.....	0	0	.....	Rosenthal,
Ekaterinburg	29.34	745.1	30.35	771.0	28.4	— 2.0	60	se.	9	4	.....	.....	10	.....	.....	0	0	.....	meteorological Obs'y
Elisawetgrad	29.54	750.2	30.00	762.0	39.6	4.1	85	sse.	9	4	.....	.....	10 s;n	.....	.....	0.122	3.1	.....	
Kasan	30.11	764.7	30.39	772.0	31.0	— 0.2	63	calm	0	0	.....	0	0	.....	.....	0	0	.....	Observatory.
Kem	29.65	753.2	29.71	754.5	33.4	0.8	78	s.	9	4	.....	.....	10	.....	.....	0.126	3.2	h'vy clouds	
Kertch	30.00	762.0	30.02	762.6	46.2	7.9	65	e.	7	3	.....	0	3 k	.....	.....	0	0	.....	Lagorio & Sastyrew.
Kieff	29.25	742.9	29.91	759.7	34.2	1.2	100	se.	7	3	.....	.....	10 n	.....	.....	0.331	8.4	heavy snow	Observatory.
Koslov	29.75	755.7	30.29	769.3	27.3	— 2.6	78	sse.	11	5	.....	0	2 s	.....	.....	0	0	.....	
Lgov	29.51	749.6	30.13	765.2	33.1	0.6	80	se.	27	12	.....	.....	10	.....	.....	0	0	.....	R.I.Ssaweljew, Engineer.
Libau	29.78	756.3	29.80	756.9	37.8	3.2	85	sw.	9	4	.....	.....	10	.....	.....	0.608	0.2	.....	L. Juhas.
Lugin	30.01	762.3	30.23	767.8	29.5	— 1.4	78	sse.	22	10	.....	.....	10	.....	.....	0	0	.....	Meteorological Obs'y,
Moscow	29.58	751.4	30.08	764.1	34.0	1.1	70	sse.	18	8	.....	.....	10 s	.....	.....	0.067	1.7	.....	Meteorological Obs'y
Nertschinsk	27.61	701.2	30.04	763.0	16.7	— 8.5	45	w.	2	1	.....	.....	0	.....	.....	0	0	.....	
Nikolaiev	29.91	759.6	29.98	761.4	45.5	7.5	82	s.	18	8	.....	.....	10 n	.....	.....	0	0	.....	Capt. Kurdakow.

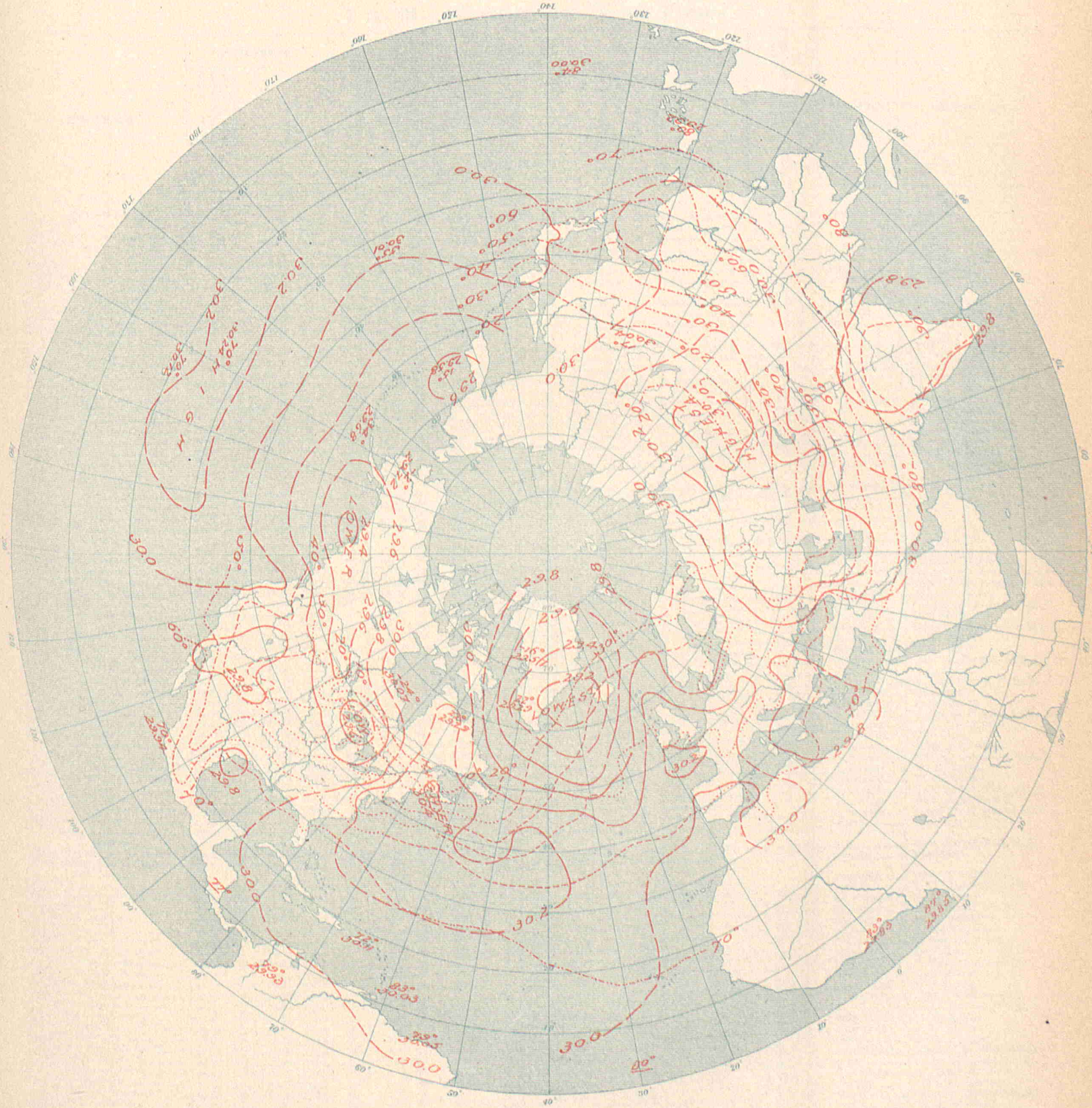
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.																			
Pekin, China	29.86	758.5	30.00	762.1	48.2	9.0	73	calm	0	0		0	3 k			0	0		Iwanow.
Petro-Alexandrovsk	29.81	757.2	30.18	766.5	40.6	4.8	57	w.	5.6	2.5			10 k						Siang.
Petrozavodsk	29.56	750.7	29.76	755.9	34.7	1.5	80	s.	11	5			10			0.004	0.1	light clouds	Walter.
Pinsk	29.44	747.7	29.95	760.6	39.9	4.4	90	calm	0	0			10 ks			0.287	7.3		Dr. Bergmann.
Poti	29.87	758.8	29.91	759.6	63.9	17.7	76	ese.	9	4			4 k			0	0		
St. Petersburg	29.71	754.7	29.74	755.3	36.5	2.5	79	ssw.	9	4			10 n			inap.	inap.		Central Physical Obs'y.
Samarkand	27.64	702.1	30.17	766.2	44.4	6.9	61	w.	13	6			9 k						Dresch.
Semipalatinsk	29.72	754.9	30.46	773.7	3.2	—16.6	81	calm	0	0			0			0	0		Major Lasarew
Sevastopol	29.71	754 7	29.93	760.1	55.4	13.0	54	n.	11	5		2 cs	0			0	0	light clouds	
Staroi Bykhov	29.32	744.6	29.88	759.0	39.7	4.3	76	ese.	7	3			10			0.260	6.6	light rain	Carl Hagen.
Tashkend, Laboratory	28.49	723.7	30.23	767.9	38.3	3.5	93	calm	0	0			10 n					h'vy clouds	Terch, A. M.
Tiflis	28.82	732.0	30.28	769.2	43.5	6.4	66	se.	9	4			10			0	0		Physical Observatory
Vernoe	27.36	694.9	29.91	759.8	39.0	3.9	70	calm	0	0		0	7 k						Lariono.
Viatka	29.65	753.2	30.32	770.0	29.5	— 1.4	64	s.	2	1			10			0	0		
Vladivostock	29.82	757.3	29.88	759.0	31.8	— 0.1	95	se.	18	8			10 n			0	0		
Warsaw	29.52	749.8	29.95	760.7	43.9	6.6	62	w.	9	4			9 ks						Astronomical Obs'y.
Yeniseisk	30.12	765.0	30.42	772.7	31.5	— 0.3	56	w.	2	1			0			0	0		M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.44	747.8	29.97	761.2	33.8	1.0	58	s.	19.8	8.9			10		s.	0.12	3.0	cloudy	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.91	759.7	30.02	762.6	56.8	13.8	62	sw.				5 ck	0			0	0		
Bilbao, Met. Obs'y	30.10	764.4	30.15	765.9	53.4	11.9	68	nw.	1.3	0.6		2	7	ne.		0.051	1.3	almost cov'd	B. Jelin.
Burgos, Met. Obs'y	27.09	688.0	30.14	765.5	43.5	6.4	65	ne.	7.4	3.3			5			0	0	cloudy	Prof. Manuel de Naveran
Madrid, Royal Obs'y	27.72	704.0	29.92	760.0	60.3	15.7	36	ne.	5.1	2.3		1	0	sw.		0	0	almost clear	Domingo Martin.
Murcia, Met. Obs'y	29.82	757 4	29.95	760.7	63.7	17.6	55	ese.	4.3	1.9		0	0			0	0	clear	The Staff.
Santiago, Met. Obs'y	29.11	739 3	30.00	761.9	59.4	15.2	45	ne.	13.0	5.8			6			0	0	cloudy	Olayo Diaz, Director.
Sub-series.																			R. Gil Villanueva, Dir.
Havana, Cuba	30.01	762.3	30.08	764.0	72.2	22.3	81	ese.	2.0	0.9		0	0			0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.87	758.6	29.92	760.0	80.4	26.9	65	se.	11.0	4.9		0	1 s			0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.84	757.9	29.94	760 3	72.0	22.2	39	ese.	8.5	3.8		1	0	e.		0	0		Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.02	762.4	30.11	764.7	72.3	22.4	85	calm	0	0		0	5 k		w.	0	0		Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	29.67	753.6	29.71	754.6	28.8	— 1.8	94	n.			4		10			0.213	5.4		
Umea	29.61	752.2	29.67	753.5	36.7	2.6	75	ne.			2		10			0	0		
Hernosand	29.61	752.1	29.66	753.4	37.0	2.8	89	calm			0		10			0.047	1.2		
Stockholm	29.46	748.2	29.63	752.7	43.2	6.2	63	w.			2		0			0.008	0.2		
Wisby	29.63	752.5	29.69	754.0	37.8	3.2	83	w.			4		0			0	0		
Sub-series.																			
Upsala	29.53	750.1	29.62	752.3	45.1	7.3	68	w.	5.4	2.4			7		wnw.	0.008	0.2		H.H.Hildebrandesson
Swiss																			
Geneva	28.61	726.7	30.07	763.7	44.6	7.0	42	n.			2		1			0	0	clear	
Turkish.																			
Constantinople			29.82	757.5	66.4	19.1	34	se.	3	1.5			10		sw.	0.012	0.3		The Observatory.
Valona			29.80?	756.8?	53.4	11.9		se.			1		10			1.18	30.	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria			29.88	759.0	70.5	21.4	57	sw.			1	8 c	0			0	0		F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.14	765.5	30.23	767.8	37	2.8	72	w.	1	0.4		7ck;cs	0	w.		0	0	fair	J. O. Barnes.
Alpena, Michigan	28.95	735.3	29.65	753.1	38.2	3.4	100	s.	14	6.3			10 n		s.	0.04	1.0	light rain	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.75	628.6	29.77	756.1	38.8	3.8	77	sw.	8	3.6			10 s			0	0	threatening.	J. B. Turton.
Assiniaboine, Ft., Montana	26.82	681 2	29.84	757.9	32.5	0.3	79	w.	8	3.6		0	0			0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.81	731.8	30.02	762.5	62.0	16.7	93	sw.	8	3.6			10 n		sw.	0.63	16.0	light rain	S. W. Beall.
Atlantic City, New Jersey	30.23	767.8	30.24	768.1	42.3	5.7	92	sw.	2	0.9		0	0			0	0	clear	B.A.Blundon.
Augusta, Georgia	29.87	758.7	30.07	763.7	62.2	16.8	93	se	3	1.3			10 s		s.	0.33	8.4	threatening.	W.J.Evans.
Baltimore, Maryland	30.17	766.3	30.22	767.6	49.1	9.5	78	se.	4	1.8			10 s		s.	0	0	cloudy	Geo. W. Felgar.
Barnegat City, New Jersey	30.24	768.1	30.26	768.6	44.0	6.7	93	s.	8	3.6		hz.	hz.			0	0	dense haze	J.P.Sherry.
Bennett, Fort, Dakota	28.11	714.0	29.81	757.2	25.5	— 3.6	82	calm	0	0		0	0			inap.	inap.	clear	A. Pritchard.
Benton, Fort, Montana	26.92	683 8	29.90	759.4	33.2	0.7	67	sw.	3	1.3		3 cs	0	nw.		0	0	clear	C.S.Bennett.
Bismarck, Dakota	27.79	705.9	29.71	754.6	20.2	— 3.2	88	calm	0	0		0	0			0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	30.27	768.8	30.30	769 6	40.0	4.4	84	s.	2	0.9		0	hz.			0	0	clear	J. T. Elker.
Boise City, Idaho	26.90	683 2	29.82	757.4	38.3	3.5	84	w.	6	2.7			10 s			0.49	12.4	cloudy	James Kenealy.
Boston, Massachusetts	30.15	765.8	30.31	769.9	39.5	4.2	77	se.	4	1.8		hz.	0			0	0	clear	O. B. Ogle.
Brownsville, Texas	29.74	755.4	29.80	756.9	72.0	22.2	97	s.	14	6.3			10 s		s.	0	0	cloudy	John McGlone.
Buffalo, New York	29.13	739.9	29.92	760.0	52	11.1	67	s.	9	4.0			10 s		s.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	27.58	700.5	29.74	755.4	24	— 4.4	94	sw.	3	1.3		8 ck	0	w.		0	0	cloudy	A. Schneider.
Cairo, Illinois	29.56	750.8	29.98	761.5	55.0	12.8	90	sw.	7	3.1		3 cs	0	sw.		0.24	6.1	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.94?	760.5?	30.14?	765.5?	42.2	5.7	93	n	1	0.4		0	4 k			0.14	3.6	fair	J.H.Young.
Cape Henry, Virginia	30.21	767.3	30.23	767.8	49.0	9.4	86	se.	10	4.5			10 s		w.	0	0	cloudy	A. K. Alderson.
Cape May, New Jersey	30.21	767.3	30.24	768.1	43.3	6.3	89	se.	6	2.7			10 s		se.	0	0	cloudy	W.E.Smith.
Cape Mendocino, California	29.32	744.7	30.01	762.2	40.3	4.6	94	nw.	16	7.2			10 n			0.56	14.2	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.06	763.5	30.08	764.0	70.8	21.6	87	se.	16	7.2		1 c	0	s.		0	0	clear	G. W. Davis.
Charleston, S. Carolina	30.01	762.2	30.07	763.8	64.5	18.1	97	se.	19	8.5			10 n		sw.	0.10	2.5	light rain	J. H. Smith.
Charlotte, N. Carolina	29.21	741.9	30.09	764.3	58.0	14.4	94	s.	12	5.4			10 n		s.	0.32	8.1	light rain	D. O'Donoghue.
Chattanooga, Tennessee	29.10	739.1	29.95	760.7	59.5	15.3	93	s.	2	0.9			10 n		sw.	0.61	15.5	light rain	B. L. Goulding.
Cheyenne, Wyoming	23.72	602.5	29.92	760.0	23.2	— 4.9	56	w.	8	3.6			5 s			0	0	fair	E. McGovern.
Chicago, Illinois	29.05	737.9	29.79	756.7	44.0	6.7	78	sw.	8	3.6		0	0			0.36	9.1	clear	Wm. Norrington.
Chincoteague, Virginia	30.21	767.3	30.23	767.8	46.7	8.2	86	se.	9	4.0			10 ks;hz			0	0	cloudy	O. F. Dickens.
Cincinnati, Ohio	29.23	742.4	29.92	760.0	58.2	14.6	78	s.	7	3.1			10 n		s.	0.26	6.6	light rain	L.Dunne.
Cleveland, Ohio	29.10	739.1	29.88	758.9	55.0	12.8	74	s.	8	3.6			10 s		s.	0.01	0.3	cloudy	W.Line.
Columbus, Ohio	29.00	736.6	29.89	759.2	52	11.1	88	se.	4	1.8			10 s		s.	0.09	2.3	cloudy	F.T. Williams.
Concho, Fort, Texas	27.90	708.6	29.87	758.7	55.1	12.8	93	s.	15	6.7		0	7 k		s.	0.11	2.8	fair	C. E. King.
Custer, Fort, Montana	26.52	673.6	29.84	757.9	25	— 3.9	76	se.	4	1.8		0	0			0	0	clear	W.J.Daily.
Davenport, Iowa	29.16	740.7	29.85	758.2	39.5	4.2	78	nw.	8	3.6			10 s		nw.	0.30	7.6	cloudy	R. R. Martin.
Davis, Fort, Texas	25.04	636 0	29.91	759.7	40.3	4.6	85	s.	8	3.6		0	0			0.24	6.1	clear	J. Williams.
Dayton, Washington Ter'y	28.13	714.5	29.95	760.7	38.0	3.3	82	sw.	12	5.4			10 s			0.06	1.5	cloudy	T.Gibson.
Deadwood, Dakota	25.07	636.8	29.91	759 7	28.0	— 2.2	80	nw.	4	1.8		0	0			0	0	clear	G.W.Scott.
Delaware Breakwater, Del.	30.23	767.8	30.25	768.3	43.6	6.4	86	s.	16	7.2			10 s		s.	0	0	cloudy	G.A.Martin.
Denver, Colorado	24.46	621.3	29.90	759.4	32.0	0.0	74	calm	0	0			2 s			inap.	inap.	clear	F. M. Neal.
Des Moines, Iowa	28.94	735.1	29.90	759.4	35.2	1.8	73	nw.	2	0.9		0	5 s		nw.	0	0	fair	F. W. Conrad.
Detroit, Michigan	29.08	738.6	29.83	757.7	51.0	10.6	93	sw.	12	5.4			10 s			0.19	4.8	cloudy	N.B.Conger.
Dodge City, Kansas	27.16	689.9	29.89	759.2	36.8	2.7	69	e.	7	3.1		3 cs	0			0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.06	738.1	29.81	757.2	37.2	2.9	79	w.	8	3.6			10 s		nw.	0.52	13.2	cloudy	J. Harvey Smith
Duluth, Minnesota	28.78	731 0	29.58	751.3	36.6	2.6	93	w.	11	4.9			10 s		nw.	0.37	9.4	cloudy	E.R.Brace.
Eastport, Maine	30.27	768.8	30.34	770.6	27.0	— 2.8	64	ne.	22	9.8		4 c	5 s		ne.	0	0	cloudy	D. C. Murphy.
Elliott, Fort, Texas	27 04	686.8	29.87	758 7	46.5	8.1	54	s.	10	4.5			10 s			0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.06	661.9	29.86	758.4	48.2	9.0	85	calm	0	0		0	2 s			0.19	4.8	clear	F.Belford.
Erie, Pennsylvania	29.13	739.9	29.90	759 4	53.0	11.7	72	s.	16	7.2			10 n		s.	0.03	0.8	light rain	P.Wood.
Escanaba, Michigan	28.85	732.8	29.56	750.8	37.0	2.8	94	s.	8	3.6			10 ks		w.	0.28	7.1	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.40	746.7	29.89	759 2	50.5	10.3	86	e.	3	1.3			10 s		s.	0	0	cloudy	J. B. Campbell.
Galveston, Texas	29.76	755.9	29.83	756.5	67.8	19.9	98	se.	10	4.5			10 n			0.07	1.8	light rain	E. O'C. Macinerney
Grand Haven, Michigan	29.04	737.6	29.74	755.4	42.1	5.6	82	s.	16	7.2		0	2 s			0.47	11.9	clear	Joseph E. Mueller
Grant, Fort, Arizona	24.98	634.5	29.81	757.2	44.2	6.8	55	se.	1	0.4			10 s		se.	0	0	cloudy	Chas. A. Read.
Hatteras North Carolina	30.20	767.1	30.21	767.3	54.7	12.6	80	e.	5	2.2		6 c	3 k	e.	se.	0	0	cloudy	R. M. Crawford

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	c=10	c=10	c=10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.54	648.7	29.86	758.4	32	0.0	80	W.	5	2.2		0	0			0	0	clear	S. W. Morrison.
Huron, Dakota	28.34	719.8	29.82	757.4	28.4	— 2.0	95	s.	8	3.6			10 s			0.02	0.5	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.02	737.1	29 86	758.4	55.6	13.1	82	sw.	6	2.7			10 s		sw.	0.13	3.3	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.74	755.4	29.77	756.1	69.0	20.6	100	s.	17	7.6			10 s			0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.04	763.0	30.08	764.0	68.2	20.1	93	se.	5	2.2			10 s			0.25	6.3	cloudy	J. W. Smith.
Keokuk, Iowa	29.21	741.9	29.90	759.4	38.3	3.5	88	w.	1	0.4		0	0			0.20	5.1	clear	F. Z. Gosewisch.
Key West, Florida	30.06	763.5	30.08	764.0	75	23.9	76	se.	9	4.0		1 cs	2 k	sw.	se.	inap.	inap.	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.22	767.6	30.24	768.1	50.8	10.4	87	se.	13	5.8			10 s			0	0	cloudy	Wesley Blake.
Knoxville, Tennessee	28.90	734.0	29.96	761.0	53.9	12.2	98	n	2	0.9			10n;fg			0.40	10.2	light rain	J. A. Cody.
La Crosse, Wisconsin	28.96	735.6	29.78	756.4	37.3	2.9	82	w.	8	3.6			10 s			0.20	5.1	cloudy	S. C. Emery.
Leavenworth, Kansas	29.01	736.8	29.95	760.7	30	2.2	89	calm	0	0		0	0			0	0	clear	C. Dill.
Lewiston, Idaho	29.09	738.9	29.95	760.7	43.0	6.1	88	calm	0	0			10 s			0.04	1.0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.60	751.8	29.93	760.2	57.0	13.9	90	s.	2	0.9			fg.			0.41	10.4	dense fog	W. U. Simons.
Los Angeles, California	29.52	749 8	29.92	760.0	46.2	7.9	71	n.	8	3.6		0	0			0	0	clear	T. S. Collins.
Louisville, Kentucky	29.31	744.5	29.90	759.4	58.5	14.7	82	s.	5	2.2			10 s		w.	0.52	13.2	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.38	746.2	30.10	764.5	53.0	11.7	86	s.	6	2.7			10 s		s.	0.25	6.3	cloudy	Jno. Healy.
Mackinaw City, Michigan	28.90	734.0	29.60	751.8	44-5	6.9	88	sw.	4	1.8			10 s		sw.	0.37	9.4	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.18	766.6	30.19	766.8	60.0	15.6	84	se.	20	8.9			10 s		sw.	0.29	7.4	threatening.	William Daly.
Maginnis, Fort, Montana	25.30	642.6	29.90	759.4	42.6	5.9	51	nw.	12	5.4		0	0			0	0	clear	F. Burke.
Marquette, Michigan	28.79	731.3	29.56	750.8	42.0	5.6	73	sw.	6	2.7		0	5 k		sw.	0.26	6.6	fair	J. Gilligan.
Memphis, Tennessee	29.61	752.1	29.96	761.0	56.5	13.6	90	sw.	2	0.9			fg.			1.12	28.4	dense fog	D. T. Flannery.
Milwaukee, Wisconsin	28.94	735.1	29.73	755.1	39.2	4.0	79	w.	16	7.2			10 s		w.	0.07	1.8	cloudy	S. W. Rhode.
Mobile, Alabama	29.92	760.0	29.96	761.0	65.6	18.7	95	s.	3	1.3			10 s		s.	0.73	18.5	cloudy	H. U. Jones.
Montgomery, Alabama	29.74	755.4	29.98	761.5	65.2	18.4	95	sw.	3	1.3			10 ks		sw.	0.53	13.5	threatening.	S. M. Leitzell.
Moorhead, Minnesota	28.67	728.2	29.75	755.6	18	— 7.8	83	s.	3	1.3		0	0			0.04	1.0	clear	H. Bessant.
Mt. Washington, N. H.	23.84	605.5	30.36	771.1	20.2	— 6.6	76	w.	38	17.0		5 cs	0			inap.	inap.	fair	J. H. Melton.
Nashville, Tennessee	29.35	745.5	29.95	760.7	57.0	13.9	92	w.	7	3.1			10 s		w.	0.96	24.4	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	30.18	766.6	30.30	769.6	35.7	2.1	94	calm	0	0			fg.			0	0	dense fog	J. H. Sherman.
New London, Connecticut	30.27	768.8	30.32	770.1	39.0	3.9	73	calm	0	0		0	sk.			0	0	clear	J. G. Lynch.
New Orleans, Louisiana	29.83	757.7	29.89	759.2	67.0	19.4	93	s.	1	0.4			10 n		s.	0.38	9.7	thund'r st'm	M. Herman.
New York, New York	30.09	764 3	30.27	768.8	42.6	5.9	70	calm	0	0		0	6 s			0	0	fair	W. Finn.
Norfolk, Virginia	30.16	766.1	30.19	766.8	52.8	11.6	75	se.	6	2.7			10 s			0	0	cloudy	Wm. Davis.
North Platte, Nebraska	26.84	681.7	29.90	759.4	28.1	— 2.2	70	calm	0	0		0	0			0	0	clear	E. F. Brady.
Olympia, Washington Ter	29.93	760.2	29.97	761.2	42.0	5.6	92	calm	0	0			10 s			0.53	13.5	cloudy	J. Dascomb.
Omaha, Nebraska	28.69	728.7	29.94	760.5	34.1	1.2	85	s.	5	2.2		0	0			0	0	clear	A. Pollak
Oswego, New York	29.65	753.1	29.99	761 7	43.0	6.1	74	s	14	6 3			10 s		sw.	0	0	cloudy	J. G. Linsley.
Palestine, Texas	29.30	744.2	29.87	758.7	63.2	17.3	93	se.	3	1.3			10 n			0.04	1.0	light rain	P. T. Jenkins.
Pensacola, Florida	29.94	760.5	29.97	761.2	66.1	18.9	100	calm	0	0			10 o		s.	0.13	3.3	cloudy	M. McGauran.
Philadelphia, Pa	30.14	765.5	30.24	768.1	45.0	7.2	93	se.	3	1.3		10 cs	hz.			0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.46	443.5	30.05	763.3	2.0	—10.7	83	w.	39	17.4		7 cs	0	w.		0	0	fair	H. Hall.
Pittsburg, Pennsylvania	29.13	739.9	29.98	761.5	50.0	13.3	74	s.	12	5.4			10 n		s.	0.27	6.9	light rain	O. D. Stewart.
Poplar River, Montana					19.5	— 6.9							10 n			0.13	3.3	light snow	Geo. A. Carden.
Port Huron, Michigan	29.06	738.1	29.78	756.4	46.0	7.8	93	s.	12	5.4			10 n			0.09	2.3	light rain	M. H. Perry
Portland, Maine	30.28	769.1	30.33	770.4	36.0	2.2	71	calm	0	0		hz.	sk.			0	0	clear	W. W. Eichelberger.
Portland, Oregon	29.88	758.9	29.95	760.7	43.0	6.1	89	s	1	0.4			10 s			0.13	3.3	cloudy	M. L. Hearne.
Prescott, Arizona	24.34	618.2	29.73	755.1	37.0	2.8	75	s.	14	6.3			10 n			inap.	inap.	light snow	N. D. Lane.
Provincetown, Mass	30.28	769.1	30.31	709.9	40.3	4.6	77	se.	15	6.7		10 c	0			0	0	cloudy	C. N. Kitchel.
Red Bluff, California	29.57	751.1	29.94	760.5	40.5	4.7	61	nw.	1	0.4		0	0			0.33	8.4	clear	J. R. Williams.
Rio Grande City, Texas	29.50	750.8	29.80	756.9	72.0	22.2	90	se.	8	3.6		0	9 ks		sw.	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	29.24	742.7	29.94	760.5	49	9.4	71	s.	16	7.2			10s;ks		s.	0	0	threatening.	E. W. McGann.
Roseburg, Oregon	29.41	747.0	29.97	761.2	44	6.7	91	sw.	1	0.4			10 n		sw.	0.23	5.8	light rain	J. J. Nanry.
Sacramento, California	29.84	757.9	29.91	759 7	44.4	6.9	80	nw.	8	3.6		0	0			0.44	11.2	clear	J. A. Barwick.
St. Louis, Missouri	29.28	743.7	29.93	760.2	48.7	9.3	71	sw.	14	6.3		0	0			0.03	0.8	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.68	753.9	29.72	754.9	— 2.2	—19.0	81	sw	5	2.2		0	0			0.02	0.5	clear	Fred. H. Clarke.
St. Paul, Minnesota	28.82	732.0	29.73	755.1	38.6	3.7	67	w.	9	4.0			10 s		w.	0.15	3.8	cloudy	P. F. Lyons.
St. Vincent, Minnesota	28.75	730.2	29.69	754.1	5	—15.0	70	s.	5	2.2		0	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.18	639.6	29.70	754.4	44	6.7	60	ne.	9	4.0			10 s			0	0	threatening	J. Craig.
San Diego, California	29.77	750.1	29.84	757.9	54.0	12.2	64	w.	24	10.7		0	1 k		w.	0.24	6.1	clear	F. R. Day.
Sandusky, Ohio	29.16	749.7	29.88	758.9	52	11.1	86	s.	8	3.6			10 n		s.	0.01	0.3	light rain	B. F. Hough.
Sandy Hook, New Jersey	30.24	768.1	30.27	768.8	46.0	7.8	77	s.	8	3.6		10 k	0			0	0	cloudy	V. P. Chappel.
Sanford, Florida	30.03	762.7	30.08	764.0	69.5	20.8	90	se.	4	1.8			10 ks			0.13	3.3	cloudy	J. B. Marbury
San Francisco, California	29.84	757.9	29.91	759.7	47.3	8.5	69	nw.	11	4.9		0	0			0.08	2.0	clear	N. Gorom.
Savannah, Georgia	29.96	761.0	30.05	763.3	67	19.4	87	s.	10	4.5			10 n		s.	0.42	10.7	light rain	H. W. Ford.
Shaw, Fort, Montana	26.11	663.2	29.91	759.7	31.5	— 0.3	81	w.	3	1.3		4 k	0			0	0	fair	A. L. Mathews
Shreveport, Louisiana	29.66	753.4	29.84	757.9	63.6	17.6	91	se	6	2.7			10 s		se.	0.11	2.8	cloudy	E. N. Meekins.
Sitka, Alaska	29.26	743.2	29.34	745.2	36.1	2.3	72	e.	25	11.2			10 s		e.	0	0	cloudy	F. W. Fickett.
Smithville North Carolina	30.09	764.3	30.13	765.3	61.1	16.2	86	se.	14	6.3			10 s		s.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.78	705.6	29.91	759.7	37.8	3.2	88	sw.	1	0.4		0	0			0.06	1.5	clear	D. Moore.
Springfield, Illinois	29.18	741.2	29.90	759.4	45.8	7.7	77	w	8	3.6		0	0			0.09	2.3	clear	T. B. Jennings.
Stockton, Fort, Texas	26.79	680.5	29.87	758.7	49.0	9.4	83	calm	0	0						0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.86	758.4	29.96	761.0	41.0	5.0	96	calm	0	0			10 s			0.22	5.6	fair	R. Connor.
Thomas, Camp, Arizona	27.00	685.8	29.78	756.4	38.5	3.6	79	w.			1	0	5 c			0	0	cloudy	R. C. Lord.
Toledo, Ohio	29.08	738.6	29.81	757.2	52	11.1	93	sw.	10	4.5			9 s		w.	0.02	0.5	light rain	A. Buell.
Unalashka, Alaska	29.66	753.4	29.68	753.9	34	1.1	78	s.	12	5.4			10 n		w.	0.06	1.5	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.68	753.9	29.94	760.5	61	16.1	87	e.	4	1.8			10 s			0.34	8.6	cloudy	F. W. Mixer.
Washington, D. C.	30.09	764.3	30.21	767.3	45.1	7.3	83	se.	4	1.8			10 s		w.	0	0	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.73	653.5	29.80	756.9	28.5	— 1.9	54	se.	3	1.3		8 c	0			0	0	cloudy	F. H. Brandenburg.
Wilmington, N. Carolina	30.09	764.3	30.15	765.8	64.0	17.8	73	se.	13	5.8			10 s	sw.		0	0	cloudy	L. H. Albrecht.
Yankton, Dakota	28.48	723.4	29.87	758.7	28.8	— 1.8	70	se.	2	0.9					se.	0	0	clear	E. H. Thompson.
Yuma, Arizona	29.55	750.6	29.70	754.4	57.7	14.3	54	s.	4	1.8		0	0			0.05	1.3	cloudy	W. S Delano.
Sub-series.												0	9 s		s.	0	0		
Behring Island, Kamchatka	29.56	750.8	29.58	751.3	15.1	— 9.4	83	e.	5	2.2		0	6 k			0	0	fair	George Oherulick.
Bluefields, Nicaragua, C. A.					82	27.8		ne.			2	1 c	4 k		ne.	0	0	fair	W. H. Jackson.
bogota, U. S. C.	22.01	559.0			57.2	14.0	78	calm	0	0			10 pk		n.	0.031	0.8		Joaquin Gomez.
Chimo, Fort, Ungava	30.07	763.8	30.23	767.8	—22	—30 0	100	sw.	16	7.2		0	0			0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I.			30.08	764.0	71.0	21.7	77	n.	1	0.4		0	2 s		e.	0	0	clear	Robert Johnston.
Paramaribo, S. A.	30.04	763.0	30.05	763.3	79	26.1	82	e.			2	5 ck	5 k	e.		0.060	1.5		Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.37	746.0	29.93	760.2	79	26.1	95	s.			1	6 ck	3 ks	calm	calm	0.05	1.3	cloudy	Francisco J. Olsuares.
Rivas, Nicaragua, C. A.					79.8	24.9	83	ne.			1		6 ks		ne.	0	0	fair	Earl Flint.
York Factory, B. A.	30.00	762.0	30.07	763.8	—24.0	—31.1		nw.	13	5.8		1 c	1 s	n.	n.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.91	759.8	29.93	760.1	78.4	25.8	82	n.	13.9	6.2			6 k		n.	0	0	fair	P. Fastiani.
Naós, Bay of Panama	29.87	758.7	29.94	760.4	73.0	22.8	93	n.			3		2 k		n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
										Amount and kind.		Direction.						
						Direction.	Velocity.		Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Alvo, N. 34° 12′, W. 74° 02′	30.31	769.9	61	16.1		se.			4-5		10		se.	0	0	mod.	ese.	overcast.
S. S. Arizona, off Stags Rock, Ireland			53	11.7		sw.			2		3		sw.	0	0	sm'h		fine.
S. S. Alpin, N. 22° 46′, W. 74° 25′			77	25.0		e.			2					0	0	sm'h		clear.
S. S. Adriatic, N. 49° 49′, W. 22° 25′†	29.84	757.9				sw.			6				w.			high	w.	stormy.
S. S. America, N. 45° —′, W. 15° —′*	30.14	765.5	54	12.2	74	ssw.			3		6?		sw.	0	0	sm'h	sw.	covered.†
S. S. Athos, Port Limon, Costa Rico, C. A						n.			3		0			0	0	long	ne.	clear.
S. S. British Princess, N. 39° 18′, W. 64° 00′†	30.25	768.3				n.			2				w.	2 h'r	2 h'r	sm'h	wsw.	clear.
S. S. Britannic, N. 51° 30′, W. 8° 20′*†	30.21	767.3	47	8.3		se.			2		2		e.	0	0	mod.	s.	blue sky.
S. S. City of Augusta, N. 33° 40′, W. 78° 11′						ese.			7		10?		sse.	0	0			clear.†
S. S. Caracas, N. 25° 55′, W. 69° 40′*†	30.20	767.1	74.5	23.6	81	ene.			4-5		3		e.	0	0	light	nne.	showery.
S. S. Dora, N. 38° 51′, W. 71° 25′*†	30.36	771.1	50.9	10.5		se.			2		1		se.	0	0	light	se.	blue sky.
S. S. Donau, N. 40° 18′, W. 69° 56′	30.33	770.4				ne			1		2		sw	0	0	sm'h		clear.
S. S. Devonia, N. 42° 04′, W. 48° 54′†	30.14	765.5	36	2.2		calm			0		8		sse.	0	0	sli't	ne.	clear
S. S. Ely-ia, N. 40° 23′, W. 32° 07′*	30.01	762.2	52.5	11.4	96	nw.			4		0			0	0	mod.	n.	clear.
S. S. France, N. 49° 47′, W. 5° 45′*†	30.22	767.6				wnw.			5		4		n.	2 h'r	2 h'r	high	nw.	fair.
S. S. Gellert, N. 48° 43′, W. 18° 50′	29.93	760.2	58.5	14.7	79	calm			0		2		s.	0	0	sm'n		clear.
S. S. George S. Thomas, N. 37° 50′, W. 73° 42′						sw.			6		0			0	0	r'gh	ssw.	clear.
S. S. Greece, N. 41° 15′, W. 61° 30′†	30.32	770.1	46	7.8		se.			1		2		se.	0	0	sm'h	se.	hazy.
S. S. Habsburg, N. 41° 11′, W. 50° 33′	30.14	765.5				nnw.			4		4		nnw.	0	0	sm'h	nnw.	fair.
Schr. John Bracewell, N. 41° 32′, W. 70° 00′†	30.34	770.6	38	3.3		ese.			3		6		sw.	0	0	sm'h	ese.	fair.
S. S. Lord Clive, N. 39° 09′, W. 73° 59′						sse.			1		0			0	0	long	ese.	clear.
Bg. L. F. Munson, N. 29° 10′, W. 79° 46′*†	30.16	766.1	74	23.3		s.			1		0			0	0	sm'n		clear
S. S. Main, N. 48° 54′ W. 17° 39′	29.97	761.2	51.8	11.0		se.			4		4		se.	0	0	mod.	se.	hazy.
S. S. Nurnberg, N. 37° 49, W. 62° 45′	30.24	768.1	59.0	15.0		s.			5		5		se.	0	0	mod.	s.	fair.
S. S. Nessmore, N. 47° 42′, W. 28° 12′			50	10.0	86	nne.			5		7		nne.	0	0	cross		fair.
S. S. Orinoco, Hamilton, Bermuda, W.I†	30.27	768.8	68	20.0		w.			6		5		w.	6 h'r	6 h'r	cross	w.	gloomy.
Bk. Orpheus, N. 40° 40′, W. 64° 34′*	30.29	769.4	50	10.0		nne.			3		4		nne.	0	0			clear.
S. S. Pennsylvania, N. 49° 07′, W. 25° 30′†	29.82	757.4	48	8.9	85	ne.			3		2 k		ne.	0	0	sm'h		fine.
S. S. Rugia, N. 49° 36′, W. 14° 05′	30.18	766.6	52	11.1		wsw.			6		4		w.	1 h'r	1 h'r	mod	sw.	clear.
S. S. Rhynland, N. 50° 20′, W. 2° 00′			48	8.9		sw.			4		9		sw.	1 h'r	1 h'r	3	sw.	sprinkling.
Bg. Rising Sun, N. 39° 35′, W. 72° 33′			50	10.0		w.			1				w.	0	0	sm'h		clear.
S. S. State of Georgia, N. 50° 35′ W. 29° 12′†	29.56	750.8	43	6.1		se.			3		1		s	0	0	mod.	s.	clear.
S. S. Salerno, N. 46° 49′, W. 26° 17′†	29.88	758.9	52	11.1		wnw			7		8		wnw.	shr's	shr's	r'gh	var.	showery.
S. S. Salier, N. 51° 47′, E. 2° 38′	30.04	763.0				wsw.			4		5		wsw.	0.3	8.	h'vy	wsw.	fine.
S. S. Switzerland, N. 42° 22′, W. 37° 03′ *†	30.17	766.3				n			5		8		n.	7 h'r	7 h'r	mod.	n.	cloudy.
S. S. Samaria, N. 50° 12′ W. 24° 57′						nw.			2		2		w.	6 h'r	6 h'r	h'vy	nw.	fair.
S. S. The Queen, N. 47° 15′, W. 28° 29′			47	8.3		sw.			8				wsw.	10 h'r	10 h'r	h'vy	sw.	clear.
Bk. Tuck Sing, Cienfuegos, Cuba, W.I.*†	30.09	764.3	44	6.7	?	w.			5		10		w.	2 h'r	2 h'r	mod	w.	showery.
S. S. Valencia, Puerto Cabello, Venezuela†	29.98	761.5	78	25.6	82	ne.			1		0			0	0	sm'n		clear.
S. S. Westernland, Jersey City, N J.	30.27	768.8	54?	12.2?	80	ene.			3		3		ese.	0	0			clear.
S. S. Wieland, N. 47° 52′, W. 29° 58′			54	12.2		ssw.			1		0			0	0			clear.
S. S. Weser, N. 47° 02′, W. 21° 41′	29.99	761.7	48.2	9.0		nw.			4		3		nw.	0	0	long	nw.	fair.
S. S. Zeeland, N. 39° 28′, W. 70° 09′			48	8.9		wnw.			6		8		wnw.	7 h'r	7 h'r	h'vy	nw.	cloudy.
S. S. Ontario, N. 54° 34′, W. 16° 57′*	29.73	755.1	49	9.4	93	wsw.			4				wsw.	0	0	sm'n		clear.
S. S. Cienfuegos, Cienguegos, Cuba, W.I	30.09	764.3	73	22.8		s.			6		10		s.	6 h'r	6 h'r	h'vy	w.	cloudy
S. S. Anchoria, N. 53° 03′, W. 22° 02′						calm			0					0	0			clear.
Schr. Adda Doane, Rock Creek, Md †	30.17	766.3				s.			3		7		s.	2 h'r	2 h'r	h'vy	w.	fair.
S. S. Chalmette, N. 27° 58′, W. 80° 45′*†	30.17	766.3	74	23.3		e.			2		10		e.	0	0			cloudy.
S. S. Erin, London, Engt.	30.12	765.0	54	12.2		se.			4		7		se.	0	0	mod.	se.	fair.
Bg. John Wesley, Sagua la Grande, Cuba, W. I.						ssw.			2		5		sw.	0	0			fair.
S. S. Ohio, (Am.) Liverpool, Eng†						se.			1		0			0	0			clear.
S. S. St. Laurent, N. 42° 10′, W. 50° 15′	30.15	765.8	47	8.3	100	nw.			1		2		w.	0	0			clear.
Bgt. Sunlight, N. 19° 55′, W. 66° 26′*†	30.10	764.5	46.4?	8?		sse.			2		0			0	0	mod	e.	clear.
Schr. Viola Reppard, N. 25° 57′, W. 77° 55′	30.12	765.0				ene.			2		0			0	0	mod.		clear.
S. S. Werra, N. 43° 26′, W. 43° 58′*			76	24.4		se.			4		5		ene.	0	0	sm'h		fair.
U. S. S. Kearsarge, Alexandria, Egypt	30.23	767.9	48.2	9.0		w.			6		10		se.	0	0	sm'h		rain squalls
U. S. S. Lancaster, Alexandria, Egypt	29.82	757.4	75	23.9	56	ese.			3		7		wsw.	0	0	mod.	w.	fair.
U. S. S. Alliance, St. Pierre, Martinique, W.I	29.82	757.4	75	23.9	60	ese.			3		2							fair.
U. S. S. Galena, off Port au Prince, Hayti, W.I*	30.08	764.0	76	24.4	77	calm			3		0					sm'n		clear.
U. S. S. Jamestown, Pointe à Pitre, Gaudeloupe, W. I.	29.99	761.7	77	25.0	53	ne.			0		2		calm	light	light	sm'n		fair.
U. S. S. Portsmouth, N. 16° 03′, W. 62° 06′	30.12	765.0	74	23.3	81	ese.			1		2		ne.			sm'h		fair.
U. S. S. Saratoga, N. 39° 47′, W. 29° 40′	30.07	763.8	76	24.4	91	n.			1		2							clear.
U. S. S. Swatara, Boca del Tora, U.S.C	30.06	763 5	54	12.2	74	nne.			1		8?		ne.			sm'h		clear.†
U. S. S Yantic, Charleston, S. C	29.94	760.5	75	23.9	90	w.			4		10		nne.	light	light	sm'h		overcast.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	30.07	763.7	65	18.3	94	sse.			2		10		calm	light	light	sm'h		raining.
H. M. S. Alecto, N. 5° 31′, W. 0° 11′	29.75	755.6	64	17.8	78	ese.			4		10							raining.
H. M. Dockyard, Bermuda, Atlantic	29.83	757.7	83	28.3		ssw.			2		6	ese.						d. clouds.
H. M. S. Minotaar, Marmaras Bay, Asia Minor	30.22	767.6	63	17.2	67	n.			2		9	WsW.				4	s	d. clouds
H. M. S. Tyne, N. 36° 35′, E. 0° 01	29.89	759.2	61.5	16.4	69	sse.			4		5	ese.						d. clouds.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	29.96	761.0	59	15.0	82	calm			2		10							overcast.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	30.05	763.3	72.5	22.5	70	ne.			0		10							overcast.
S. S. British Prince, N. 40° 14′, W. 58° 24†	29.85	758.1	86.9	30.5	79	sse.			3		8		sw.	0	0	sm'h		blue sky.
S. S. Polynesian, N. 55° 13′, W. 9° 38′	30.21	767.3	49	9.4	57	n.			5		4		se.	0	0	2	sw.	d. clouds.
S. S. Scandinavian, N. 53° 36′, W. 18° 41′	30.12	765.0	51	10.6		sw.			5		3		ne.	0	0	3	se.	d. clouds.
S. S. Sardinian, N. 54° 08′, W. 20° 36′	29.75	755.6	52	11.1		sse.			3		4		sw.	0	0	mod.	ne.	clear.
S. S. Ailsa, Port au Prince, Hayti, W.I			51	10.6		s.			6		5		sw.	0	0	long	sw.	fair.
S. S. Alps, N. 18° 28′, W. 66° 06′			77.5	25.3	87	e.			6		10		wsw.	sh'rs	sh'rs	high	s	d. clouds.
S. S. Dorian, Leghorn, Italy			70	24.4		calm			1		2							overcast.
S. S. Furnessia, N. 40° 25′, W. 69° 18′*†	29.74	755.4				nne.			0		1		ne.	0	0	cross	s;sw.	overcast.
S. S. Galatia, Leghorn, Italy	30.36	771.1	46	7.8		e.			3		6		ne.	0	0	sm'h		fair.
S. S. Carroll, N 43° 02′, W. 66° 55′*†						nne.			2		10		ne.	0	0	sm'h		fine.
S. S. Gallia, N. 43° 00′, W. 45° 14′	30.46	773.7	42?	5.6?		se.			4		3		ne.	1 h'r	1 h'r			fine.
S. S. Wyoming, N. 44° 20′, W. 40° 37′	30.22	767.6	49	9.4		sw.			3		2		se.	0	0	short	se.	fair.
S. S. Westphalia, Hamburg, Germany	30.18	766.6	46	7.8		nw.			2		5		n.	0	0	high	ne.	fine.
S. S. Hevelius, N. 2° 32′, W. 30° 00′	29.83	757.7	44	6.7		wsw.			2		7		nnw.	0	0	h'vy	n.	fair.
S. S. Archimede, (It.) N. 36° 47′, W. 28° 46′†						ne.			5		8		w.	0	0			cloudy
S. S. Picqua, Messina, Sicily	30.11	764.8	68?	20.0?		sse.			4		8		nne.	7 h'r	7 h'r	sm'h		cloudy.
S. S. Oregon, (Br) N. 49° 43′, W. 20° 52′			55	12.8	81	wnw.			2		5?		sse.	0	0	r'gh	nw.	cloudy.†
S. S City of Merida, N. 19° 50′, W. 90° 45′*†			50	10.0		wsw.			2				wnw.	0	0			cloudy.
S. S. Muriel, N. 38° 15′, W. 72° 39′	29.90	759.4	82.4	28		se.			4		10		wsw.	15 h'r	15 h'r	h'vy	wsw.	rainy.
S. S. Belgenland, N. 48° 13′, W. 17° 42′			58	14.4		s.			2				se.	0	0	mod.	se.	fine.
S. S. Pennland, Antwerp, Belgium			52	11.1	93	ssw.			4		0?			0	0	mod.	sse.	fine.
S. S. Waesland, N. 40° 06′, W. 69° 30′			44	6.7	92	ne.			6				w.	0	0	long	nw.	fair?
S. S. Zaandam, N 40° 57′, W. 58° 52′	30.38	771.6	42	5.6		calm			3		10		n.	3 h'r	3 h'r			cloudy.
S. S. Saxon, N. 42° 10′, W. 70° 15′			49.6	9.8	81	nw.			0		0			0	0			rainy.
S. S. Republic, N. 40° 58′, W. 54° 42′			41	5.0		sse.			4		4		nw.	0	0	sm'h		clear.
S. S. Lepanto, N. 36° 03′, W. 4° 28′			54	12.2	80	n.			1		4			0	0			fair.
S. S. Marengo, Hull, England			62	16.7		e.			3		7		nw.	1 h'r	1 h'r	sli't	ne.	rain squalls.
Schr. Arthur Burton, N. 17° 40′, W. 66° 30′			50	10.0		nw.			4		6		e.	0	0	sm'h		fine.
Bk. Aureola, N. 36° 59′, W. 59° 50′†						e.			2		0					sm'h		clear.
Bg. Abbie Clifford, N. 25° 00′, W. 58° 12′†	30.22	767.6	62	16.7	77	nne.			4		2		e.	0	0	r'gh	e.	fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.18	766.6	72	22.2		nnw.			8		6		n.	0	0	h'vy	nne.	fair.
S. Annie, N. 31° 41′, W. 71° 43′*	30.03	762.7	79	26.1		calm			2		9 n		w.			var.		cloudy.
	30.23	767.8				e.			0		2		e.	0	0			clear.
									3		4		e.	0	0	long	nne.	fair.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-Swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Schr. Abbie H. Gheen, Springwood Mills, S. C*†	30.10	764.5	64	17.8	.....	se.	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	stormy.
Bk. Alpha, N. 18° 10′, W. 38° 50′ *†	30.08	764.0	72	22.2	.....	ne.	.....	.....	6	.....	3	.....	ne.	0	0	sm'h	ne.	clear.
Bk. Bore, N. 20° 54′, W. 25° 26′	.....	.....	74	23.3	.....	n.	.....	.....	2	.....	1	.....	n.	0	0	sm'h	n.	clear.
S. S. Bracadale, N. 39° 31′, W. 9° 30′	.....	.....	66	18.9	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	light	ne.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.99	761.7	80	26.7	.....	ene.	.....	.....	4	.....	3	.....	ne.	0	0	.....	.....	fair.
Bk. Oato, Setubal, Portugal †	30.16	766.1	62	16.7	88	ne.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	fair.
Bk. C. S. Bushnell, N. 38° 09′, E. 2° 40′	30.03	762.7	.....	.....	.....	sse.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. David Stewart, N. 28° 44.′ W. 75° 25′	.....	.....	79	26.1	.....	se.	.....	.....	3	.....	10	.....	se.	0	0	mod.	se.	cloudy.
S. E. B. Sutton, N. 51° 00′, W. 10° 18 *†	30.21	767.3	.....	.....	.....	s.	.....	.....	3	.....	3	.....	.....	¾ h'r	¾ h'r	long	wnw.	clear.
Schr. Edith R. Seward, N. 17° 33′, W. 66° 45′	.....	.....	77	25.0	.....	ene.	.....	.....	2	.....	4	.....	ene.	¼ hr	¼ hr	mod.	e.	clear.
Bk. Esmeralda, off Orkney Ids, Scotland	29.96	761.0	.....	.....	.....	nw.	.....	.....	7	.....	7	.....	nw.	2 h'r	2 h'r	mod.	nnw.	cloudy.
U. S. Fish. Com. S. S. Fish Hawk, Kings Ferry, Fla	.....	.....	.....	.....	.....	sw.	.....	.....	1	.....	2	.....	calm	0.50	12.7	.....	.....	clear.
S. Grecian, N. 17° 45′, W. 47° 45′ †	30.18	766.6	74	23.3	55	ne.	.....	.....	4	.....	7	.....	ne.	0	0	sm'h	n.	fair.
Bk. Galeon, N. 21° 20′, W. 19° 48′	.....	.....	67	19.4	.....	w.	.....	.....	2	.....	0	.....	.....	0	0	.....	ne.	blue sky.
Bk. Heinrich & Tonio, N. 40° 12′, W. 35° 07′*†	30.13	765.3	53	11.7	61	n.	.....	.....	3	.....	4	.....	n.	5 h'r	5 h'r	long	nw.	fair.
Bk. Hattie G. McFarland, Aspinwall, U.S.C	.....	.....	.....	.....	.....	ene	.....	.....	5	.....	6	.....	ne.	0	0	.....	.....	
S. Henry Failing N. 22° 52′, W. 48° 14′	.....	.....	77	25.0	77	calm	.....	.....	0	.....	4	.....	sw.	0	0	sm'h	.....	clear.
Schr. Jennie N. Huddell, Smithville, N. C†	30.16	766.1	63	17.2	.....	se.	.....	.....	3	.....	10	.....	se.	0	0	.....	.....	cloudy.
Bg. John Welsh, jr, Barbadoes, W. I	.....	.....	.....	.....	.....	ene.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.04	763.0	.....	.....	.....	nne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Cindad, Venezuela	.....	.....	77	25.0	.....	ene.	.....	.....	3	.....	7	.....	ene	0	0	.....	.....	cloudy.
Bg. L. & W. Armstrong, Mayaguez, Porto Rico, W.I	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	1	.....	calm	0	0	.....	.....	fine.
Lighthouse Tender Laurel, Dry Tortugas, Fla †	30.05	763.3	76	24.4	.....	se.	.....	.....	1	.....	2	.....	se.	0	0	.....	.....	clear.
S. S. Madrid, N. 35° 47′, W. 13° 47′†	29.99	761.7	63	17.2	83	ene.	.....	.....	4	.....	0	.....	.....	0	0	mod.	nnw.	clear.
Schr. Maggie Abbott, Gonaives, Hayti, W.I*†	30.04	763.0	.....	.....	.....	.....	.....	.....	2	.....	5	.....	calm	0	0	.....	.....	fair.
Bk. Rosalie, N. 44° 35′, W. 10° 13′*†	30.16	766.1	.....	.....	.....	ene.	.....	.....	2	.....	0	.....	.....	0	0	long	nw.	clear.
Bk. Rosina, N. 41° 41′, W. 21° 11′	30.06	763.5	58	14.4	.....	sse.	.....	.....	5	.....	6	.....	sse.	0	0	mod.	sse.	cloudy.
Bk. Saga, Sapelo Id, Ga †	30.04	763.1	66	18.9	.....	.....	.....	.....	.....	.....	8	.....	ssw.	4¼ hr	4¼ hr	.....	.....	cloudy.
Bk. Sunbeam, Lisbon, Portugal †	30.02	762.5	63	17.2	78	ene.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	clear.
S. Stephen D. Horton, N. 48° 23′, W. 23° 10′†	29.91	759.7	.....	.....	.....	nnw.	.....	.....	4	.....	5	.....	nnw.	8 h'r	8 h'r	cross	w.	drizzling
S. Taemogora, N. 38° 04′, W. 50° 24′	.....	.....	.....	.....	.....	e.	.....	.....	4	.....	8	.....	ene.	0	0	long	nw.	cloudy.
Bk. Tros, N. 22° 32′, W. 43° 02′*†	30.16	766.1	71	21.7	.....	e.	.....	.....	2	.....	1	.....	ne.	0	0	sm'h	ne.	clear.
S. Vincenzo Accame, N. 36° 04′, E. 14° 43′ †	29.72	754.8	60.8	16.	.....	w.	.....	.....	3	.....	7	.....	w.	4½ hr	4½ hr	r'gh	w.	
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	83	28.3	.....	nw.	.....	.....	2	.....	5	.....	sw.	0	0	.....	.....	fair.
District No. 2—South Atlantic																		
U. S. S. Brooklyn, Cape Town, South Africa	29.91	759.7	68	20.0	79	nw.	5	2.2	.....	.....	0	.....	.....	0	0	sm'h	.....	clear.
U. S. S. Pensacola S. 15° 45′, W. 5° 59′ †	30.06	763.5	78	25.6	82	ne.	.....	.....	2	.....	5	.....	calm	0	0	short	e.	fair.
H. M. S. Amethyst, S. 39° 54′, W. 57° 57′	29.76	755.9	66	18.9	89	nne.	.....	.....	5	.....	4	.....	.....	.....	.....	2	nne.	misty.
H.M.S. Boudicea, St Paul de Loando, Guinea	29.84	757.9	80	26.7	91	calm	.....	.....	0	.....	3	.....	ese.	.....	.....	.....	.....	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	30.09	764.3	68	20 0	79	sse.	.....	.....	1	.....	3	.....	sse.	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	29.94	760.5	71	21.7	86	nne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.88	758.9	74.3	23.5	71	wnw.	.....	.....	3	.....	2	.....	.....	0	0	1	.....	blue sky.
S. S. Archimedes, (Br) S. 31° 19′, W. 49° 30′	29.91	759.7	.....	.....	.....	se.	.....	.....	1	.....	2	.....	se.	0	0	sm'h	.....	fine.
S. S. Rosse, S. 3° 47′, W. 36° 09′	29.83	757.7	91	32.8	63	sse.	.....	.....	4	.....	2	.....	sse.	0	0	light	nne.	fine.
Bk. Adelaide, S. 22° 53′, W. 40° 37′ *†	30.17	766.3	83	28.3	.....	nne.	.....	.....	3	.....	3	.....	ne.	0	0	light	ene.	fair.
Bk. Achille F, S. 3° 30′, W. 30° 30′*†	29.93	760.2	81.5	27.5	89	nw.	.....	.....	1	.....	5	.....	nw.	2 h'r	2 h'r	long	var.	fine.
S. Frank N. Thayer, S. 3° 26′, W. 25° 30′*†	29.91	759.7	81.5	27.5	85	sse.	.....	.....	1	.....	9 kn	.....	s.	6 h'r	6 h'r	mod.	se.	showery.
S. Gatherer, S. 3° 53′, W. 26° 40′†	29.90	759.4	84	28.9	83	s.	.....	.....	1	.....	4	.....	s.	0	0	sm'h	se.	fair.
S. Ismir, S. 6° 57′, W. 30° 10′ *†	29.80	750.9	.....	.....	.....	ene.	.....	.....	5	.....	3	.....	ene.	rain	rain	.....	se.	fair.
Bkt. Levanter, S. 27° 13′, W. 43° 30′*	30.06	763.5	82	27.8	.....	nne.	.....	.....	2	.....	8	.....	ne.	0	0	mod.	ne.	cloudy.
S. S. Mendoza, S. 0° 18′, W. 38° 18′ †	30.05	763.3	.....	.....	.....	ne.	.....	.....	1	.....	.....	.....	.....	4 h'r	4 h'r	sm'h	n.	clear.
S. S. Leipzig, S. 2° 52′, W. 31° 28′*	29.94	760.5	82.0	27.8	83	nnw.	.....	.....	3	.....	3	.....	nnw.	4 h'r	4 h'r	mod.	var.	fair.
U. S. S. Shenandoah, Montevideo, Uruguay*	29.97	761.2	73	22.8	95	nne.	.....	.....	3	.....	1	.....	nne.	.....	.....	sm'h	.....	hazy.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.97	761.2	46.5	8.1	73	calm	.....	.....	0	.....	10	.....	w.	light	light	.....	.....	threatening.
U. S. S Alert, Shanghai, China	30.15	765.8	50	10.0	72	n.	.....	.....	3	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 31° 37′, E. 135° 53′	29.88	758.9	62	16.7	88	nnw.	.....	.....	3	.....	10	.....	.....	.....	.....	sm'h	.....	raining.
U. S. S. Juniata, Roze Island, Corea	30.06	763.5	41	5.0	82	wnw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, Shanghai, China	30.18	766.8	44	6.7	92	n.	.....	.....	3	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
H.M.S. Audacious, Hong Kong, China	30.01	762.2	69	20.6	95	calm	.....	.....	0	.....	10	ene.	.....	.....	.....	.....	.....	misty.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.02	762.5	62	16.7	88	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	overcast.
H. M. S. Champion, Shanghai, China	30.13	765 3	50	10.0	86	n.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	30.04	763.0	56.5	13.6	88	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	3	.....	squally.
H. M. S. Magpie, S. 1° 05′, E. 105° 07′	29.86	758.4	82.8	28.2	82	nne.	.....	.....	1	.....	4	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Tamega, Macao, China	29.97	761.1	70.7	21.5	86	calm	.....	.....	0	.....	2?	.....	ne.	.....	.....	.....	.....	drizzling?
U. S. S. Monocacy, Canton, China	.....	.....	75	23.9	86	se.	.....	.....	1	.....	10	.....	e.	.....	.....	.....	.....	cloudy.
S. S. Newborn, N. 23° 04′, W 107° 48′	.....	.....	68	20.0	75	nw.	.....	.....	5	.....	10	.....	wnw.	0	0	long	wnw.	cloudy.
S. S. City of Chester, Point Arena, Cal †	30.00	762.0	49	9.4	78	nw.	.....	.....	6	.....	10	.....	.....	0	0	h'vy	w.	
S. S. Oregon, Astoria, Oregon †	30.02	762.5	46	7.8	84	calm	.....	.....	0	.....	5	.....	nw.	.....	.....	.....	.....	fair.
S. S. Alameda, Honolulu, Sandwich Ids†	30.12	765.0	79	21.1	80	ne.	.....	.....	3	.....	10	.....	ne.	½ h'r	½ h'r	.....	.....	rainy.
S. S. Ancon, San Francisco, Cal †	29.97	761.2	48	8.9	56	nw.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Geo. W. Elder, Victoria, B. C	.....	.....	42	5.6	100	calm	.....	.....	0	.....	4	.....	.....	0	0	.....	.....	
S. S. State of California, Portland, Oregon †	29.93	760.2	41	5.0	.....	sse.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	raining.
S. S. Australia, N. 26° 03′, W. 150° 20′	30.36	771.1	68	20.0	79	ne.	.....	.....	4	.....	4	.....	ne.	0	0	mod	.....	
S. S. City of Pekin, Hong Kong, China†	29.98	761.5	65	18.3	78	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	cloudy.
S. S. City of Rio de Janeiro, N. 36° 27′, W. 126° 16′†	30.07	763.8	52	11.1	.....	nw.	.....	.....	6	.....	.....	.....	nw.	.....	.....	long	nw.	clear
S. S. City of Tokio, N. 27° 20′, W. 163° 37′†	30.24	768.1	70	21.1	90	se.	.....	.....	1	.....	10	.....	se.	.....	.....	mod.	sw.	heavy rain.
S. S. Granada, Panama, Panama†	29.89	759.2	75	23.9	86	wnw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. San Blas, N. 19° 28′, W. 105° 12′†	29.94	760 5	7?	21.1	96	nw.	.....	.....	4	.....	8	.....	nw.	0	0	mod.	nw.	cloudy
S. S. San José, N. 21° 31′, W. 105° 18′ †	30.04	763.0	73	22.8	85	nne.	.....	.....	3	.....	4	.....	n.	0	0	small	nnw.	clear.
S. S. Zealandia, N. 36° 06′, W 126° 11′	30.12	765.0	54	12.2	74	nnw.	.....	.....	0	.....	4?	.....	n.	.....	.....	h'vy	nnw.	cloudy.?
S. J. W. Gildemeister, S. 1° 53′, E 107° 20′	29.89	759.2	82.4	28	80	nw.	.....	.....	2-5	.....	6 K	.....	nw.	0	0	1	n.	d. clouds
S. S. Port Phillip, N. 8° 13′, E. 136° 05′	30.00	762.0	84	28.9	83	ne.	.....	.....	3	.....	.....	.....	.....	.....	.....	light	e.	cloudy.
U. S. S. Richmond, N. 25° 27′, E. 119° 50′	30.09	764.3	57	13.9	94	ne.	.....	.....	5	.....	10	.....	ne.	1.2	30.	sm'h	.....	misty.
S. S. Oceanic, N. 34° 16′, E. 166° 48′	30.01	762.2	55	12.8	87	w.	.....	.....	5	.....	6	.....	s.	0	0	4	w.	fair.
District No. 4—South Pacific.																		
U. S. S. Pinta, S. 47° 04′, W. 75° 12′	29.16	740.7	45	7.2	92	wnw.	.....	.....	6	.....	10	.....	sw.	.....	.....	r'gh	w.	gale.
U. S. S. Wachusetts, Valparaiso, Chili	29.90	759.4	53	11.7	94	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Espelgie, S. 33° 44′, E. 172° 23′	29.85	758.2	62	16.7	83	sw.	.....	.....	3	.....	4	.....	.....	.....	.....	2	sw.	d. clouds.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.90	761.0	58	14.4	.....	n.	.....	.....	4	.....	10	.....	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Lark, S. 33° 20′, E. 173° 48	29.83	757.7	63.3	17.4	86	sw.	.....	.....	4	.....	8	.....	.....	.....	.....	3	sw.	showery.
H. M. S. Mutine, Callao, Peru	29.93	760.2	70	21.1	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	misty.
H. M. S. Sappho, S. 19° 15′, W. 70° 25′	29.99	761.7	73	22.8	95	se.	.....	.....	2	.....	3	s.	.....	.....	.....	2	s.	blue sky.
S. S. City of Sydney, Sydney, N S.W.*†	30.22	767.0	67	19.4	84	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Onward, Callao Bay, Peru *†	30.03	762.7	69	20.6	95	calm	.....	.....	0	.....	10	.....	.....	.....	.....	long	w.	cloudy.
U. S. S. Iroquois, Coquimbo, Chili	29.96	761.0	58	14.4	88	nw.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	misty.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	70	21.1	90	calm	.....	.....	0	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.80	756.9	82	27.8	87	nw.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Myrmidon, Suez, Egypt	29.88	758.9	70	21.1	90	sw.	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.87	758.7	85	29.4	76	ene.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. Orealia, S. 10° 30′, E. 77° 32′*	29.85	758.2	.....	.....	.....	se.	.....	.....	4	.....	5	.....	ese.	0	0	long	s.	fair.

International Chart I. March 23, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.
Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 24, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
Algerian.																			
Nemours	.....	.....	29.93	760.2	64.4	18.0	82	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Koziers.
Algiers	.....	.....	30.00	762.0	58.3	14.6	59	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.89	759.2	60.8	16.0	87	nnw.	.....	.....	2	.....	4	.....	.....	0	0	cloudy	Fonfrède.
Tunis	.....	.....	29.80	757.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.98	761.6	55.4	13.0	66	sw.	.....	.....	2	.....	2	.....	.....	0	0	fair	Forfert.
Laghouat	.....	.....	30.00	761.9	61.2	16.2	.....	s.	.....	.....	5	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	30.02	762.4	67.6	19.8	58	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear	Gouzon.
Australian.																			
Adelaide, South Australia	.....	.....	30.01	762.2	81.9	27.7	21	se.	6	2.7	.....	2 cs	.....	.....	.....	0	0	.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.93	760.2	30.12	765.0	57.5	14.2	94	calm	0	0	.....	.....	10	.....	.....	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	29.98	761.5	30.07	763.8	71.0	21.7	57	nne.	3	1.3	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
Austro-Hungarian.																			
Agram	29.21	741.8	29.76	755.8	51.1	10.6	33	ne.	.....	.....	2	.....	10	.....	.....	0.071	1.8	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.08	736.0	29.76	755.8	42.1	5.6	69	ene.	10.5	4.7	.....	.....	10	.....	.....	0.252	6.4	.....	Dr. Wierzbiski
Eperies	28.85	732.9	29.75	755.6	41.4	5.2	84	n.	.....	.....	1	.....	10	.....	...	Inap.	Inap.	.....	Julius Mikolik.
Gratz	28.53	724.7	29.78	756.5	50.2	10.1	34	nw.	.....	.....	6	.....	5	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.19	715.9	29.59	751 6	56.3	13.5	81	s.	.....	.....	4	.....	8	.....	.....	0.354	9.0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.48	723.3	29.85	758.1	40.6	4.8	73	wnw.	.....	.....	2	.....	10	.....	.....	0.386	9.8	rain & snow	The Staff.
Lemberg	28.81	731.7	29.82	757.4	37.4	3.0	91	e.	.....	.....	2	.....	10	.....	.....	0.181	4.6	.....	Dr. T. Stanecki.
Pola	29.61	752.2	29.72	755.0	50.0	10.0	72	wnw.	.....	.....	3	.....	7	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.08	738.5	29.53	750.1	57.6	14.2	69	e.	.....	.....	2	.....	7	.....	.....	0.067	1.7	.....	Joseph Midlinszky, S. J
Szegedin	29.32	744.7	29.60	751.9	42.1	5.7	100	n.	.....	.....	2	.....	10	.....	.....	0.433	11.0	sleeting	Karl Stancel.
Trieste	29.67	753.6	29.77	756.1	54.7	12.6	21	ne	.....	.....	1	.....	1	.....	.....	0	0	.....	Royal Academy.
Vienna	29.08	738.5	29.80	757.0	45.3	7.4	57	nw.	.....	.....	2	.....	10	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
Belgian.																			
Arlon	28.55	725.2	29.98	761.4	40.8	4.9	74	nw.	.....	.....	3	.....	2	.....	.....	0.079	2.0	snowing	
Brussels	29.84	757.9	30.04	763.1	45.5	7.5	61	n.	.....	.....	3	.....	8	n.	n.	0.028	0.7	.....	
Furnes	30.07	763 7	30.09	764.2	46.4	8.0	69	nw.	.....	.....	2	.....	8	.....	.....	0	0	.....	
Maseyck	29.88	758.9	30.00	762.1	42.8	6.0	90	nw.	.....	.....	1	.....	10	.....	.....	0.098	2.5	.....	
British.																			
Aberdeen	30.06	763.5	30.16	766.1	46.4	8.0	69	sse.	15	6.7	.....	.....	2	.....	.....	blank	blank	blue sky	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.16	766.1	49.5	9.7	68	se.	9	4.0	.....	.....	1	.....	.....	.....	.....	misty	John Hartnup.
Bolton, Sharples	29.62	752.3	30.16	766.1	46.4	8 0	69	se.	.....	.....	2	.....	10	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.77	756.1	30.16	766.1	46.9	8.3	64	ne.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	30.02	762.5	30.05	763.3	81	27.2	70	ne.	.....	.....	2	.....	3	.....	.....	.....	.....	d clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	47.0	8.3	66	e.	.....	.....	0.6	.....	3	.....	.....	.....	.....	d clouds	John McLaren.
Chatham, School M. E.	29.98	761.5	30.15	765.8	49.7	8.2	72	nne.	.....	.....	2	.....	0	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.95	760.7	30.18	766.6	50.2	10.1	70	se	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.71	703.8	30.02	762.5	77.8	25.4	71	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	Joseph Midlinszky, S. J
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.98	761.5	30.02	762.5	49	9.4	85	s.	.....	.....	2	.....	6	.....	.....	0	0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.85	758.2	29.95	760.7	60.5	15.8	89	e.	.....	.....	3	.....	7	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.99	761.7	30.16	766.1	50.5	10.3	58	n.	.....	.....	3	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.83	757.7	30.13	765.3	51.9	11.1	63	nnw.	.....	.....	1	c	3	.....	.....	.....	.....	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	30.13	765.3	30.17	766.3	48.0	9.4	50	nne.	12	5.4	.....	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.91	759.7	30.18	766.6	50.2	10.1	49	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.66	753.4	29.74	755.4	60.4	15.8	57	nw.	.....	.....	2	.....	4	.....	.....	0.20	5.1	d clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.06	763.5	30.11	764.8	76.0	24.4	82	s.	.....	.....	3	.....	10	.....	.....	blank	blank	overcast	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.94	760.5	30.17	766.3	49.4	9.7	56	nne.	.....	.....	3	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	30.10	764.5	30.17	766 3	52.0	11.1	70	ssw.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.95	760.7	30.05	763.3	45.8	7.7	84	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.57	751.1	29.64	752.8	58.2	14.6	62	sw.	.....	.....	1	.....	9	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.90	759.4	30.18	766.6	50.9	10.5	58	calm	.....	.....	0	.....	1	.....	.....	.....	.....	blue sky	W. F. Cooper.
Silloth Rectory	30.12	765.0	30.15	765.8	50.7	10.4	76	nw.	.....	.....	1	.....	2	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.17	766.3	48.1	8.9	63	ese.	2	0.9	.....	.....	10	.....	.....	0	c	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	51.6	10.9	60	ne.	.....	.....	1.0	.....	4	.....	.....	.....	.....	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	30.04	763.0	30.06	763 5	50.5	10.3	80	s.	26	11.6	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.47	748.5	29.86	758.4	57.6	14.2	63	w.	11.8	5.3	.....	0	4 n	.....	w.	0.35	8.9	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.87	758.7	29.99	761.7	62.3	16.8	95	e.	23	10.3	.....	.....	10 n	.....	e.	0	0	cloudy	The Staff.
Canadian.																			
Bathurst, N. B	29.60	751.8	29.64	752 8	36.0	2.2	.....	s.	15	6.7	.....	10 c	0	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.77	756.1	29.81	757.2	37	2.8	91	s.	14	6.3	.....	.....	10 n	.....	.....	0.040	1.0	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.63	752.6	29.69	754.1	38	3.3	92	sw.	6	2.7	.....	.....	10 n	.....	sw.	0.07	1.8	light rain	G. A. Blair.
Cornwall, Ontario	29.51	749.5	29.71	754.6	35.7	2.1	99	nw.	.....	.....	2	.....	10 s	.....	.....	0.182	4.6	overcast	Jas. Smith, M. A.
Dalhousie, N. B	29.58	751.3	29.64	752.8	30.0	— 1.1	.....	calm	.....	.....	0	.....	10 n	.....	.....	0.100	2.5	snowing	H. A. Johnson.
Father Point, Quebec*	29.49	749.0	29.52	740.8	37	2.8	82	w.	20	8.9	.....	0	8 n	.....	w.	Inap.	Inap.	cloudy	J. McWilliams
Fort Garry, Manitoba*	28.87	733.3	29.77	756.1	11	—11.7	100	se.	2	0.9	.....	.....	fg.	.....	.....	0	0	dense fog	James Stewart.
Fredericton, N. B	29.66	753.4	29.72	754 9	40.1	4.5	91	s.	3	1.3	.....	.....	10 n	.....	.....	0.120	3.0	raining	Dr. Thos. Harrison
Grand Manan, N. B	29.68	753.9	29.73	755.1	40	4.4	100	sw.	25	11.2	.....	.....	10 n	.....	.....	0.40	10.2	heavy rain	J. Chipman Seeley
Granton, Ontario	28.73	729.7	29.80	758.4	33.0	0.6	100	nw.	2	0.9	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.80	750.9	29.93	760.2	39	3.9	92	s.	16	7.2	.....	.....	10 n	.....	sw.	0.050	1.3	light rain	A. Allison.
Hamilton, Ontario	29.43	747 5	29.84	757.9	42.2	5.7	89	sw.	.....	.....	1	4 c	0	sw.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.40	748.3	29.81	757.2	34	1.1	96	sw	8	3.6	.....	2 c	0	s.	.....	0.11	2.8	fair	A. P. Knight, M. A.
Little Glace Bay, N. S	29.84	757.9	29.88	758.9	34.0	1.1	77	s.	7	3.1	.....	.....	10 n	.....	.....	.....	.....	rain & snow	C. H. Rigby.
London, Ontario	28.95	735.3	29.88	758.9	33.8	1.0	95	calm	.....	.....	0	0	8 s	.....	.....	0	0	d. clouds	E. B. Reed.
Medicine Hat, N. W. T	27.33	694.2	29.66	753.4	32	0.0	92	s.	2	0.9	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	27.71	703.8	29.72	754.9	23	— 5.0	96	nw	18	8.0	.....	.....	fg.	.....	.....	0	0	dense fog	Rev. J. M. Wellwood.
Montreal, Quebec*	29.49	749.0	29.70	754.4	38	3.3	92	w.	16	7.2	.....	0	2 s	.....	w.	0.26	6.6	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.50	749.3	29.73	755.1	35.8	2.1	92	wsw.	.....	.....	.....	0	7 ks	.....	.....	0.120	3.0	d. clouds	A. McGill, M. A.
Parry Sound, Ontario*	29.08	738.6	29.79	756.7	35	1.7	92	w.	9	4.0	.....	.....	10 n	.....	sw.	0.25	6.3	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.07	738.4	29.82	757.4	36.7	2.6	88	w.	.....	.....	1	.....	10 k	.....	.....	0	0	misty	Wm. O'Connor, M.A.
Port Arthur	29.03	737.3	29.76	755.9	31	— 0.6	92	w.	1	0.4	.....	0	0	.....	.....	0.14	3.6	clear	W. P. Cooke.
Port Dover, Ontario	29.17	740.9	29.88	758.9	34	1.1	89	sw.	5	2.2	.....	10 ck	0	sw.	.....	0.06	1.5	cloudy	H. Morgan.
Port Stanley, Ontario	29.22	742.2	29.89	759.2	31	— 0.6	100	w.	1	0.4	.....	.....	fg	.....	.....	0.07	1.8	dense fog	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec*	29.24	742.7	29.66	751.8	36	2.2	96	sw	6	2.7	.....	.....	fg.	.....	.....	0.20	5.1	dense fog	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.22	742.2	29.69	754.1	37	2.8	82	w.	3	1.3	.....	.....	10 s	.....	nw.	0.15	3.8	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.07	753.6	29.72	754.9	40	4.4	91	sw.	6	2.7	.....	.....	10 n	.....	.....	0.26	6.6	heavy rain	
St. John, N. B	29.59	751.6	29.74	755.4	28.8	3.8	100	sw.	24	10.7	.....	.....	10 n	.....	.....	.....	.....	raining	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sargent, Ontario*	29.11	739.4	29.84	757.9	34	1.1	88	sw.	1	0.4	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	
Stratford, Ontario	28.55	725.2	29.87	758.7	33.3	0.7	88	w.	1	0.4	.....	.....	10 s	.....	.....	0.400	10.2	d. clouds	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	29.97	761.3	30.03	762.7	32	0.0	88	s.	16	7.2	.....	.....	10 h	.....	.....	0.02	0.5	sleeting	T.C.Hill, C.E.
Toronto, Ontario*	29.47	748.5	29.86	758.4	34	1.1	80	W.	5	2.2	.....	.....	10 ks	.....	nw.	0.05	1.3	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.81	731 8	29.90	759.4	34.7	1.5	92	W.	2	0.9	.....	10 cs	0	W.	.....	0.100	2.5	overcast	Prof. N Wolverton, M.A.
Yarmouth. N.S*	29.74	755.4	29.81	757.2	42	5.6	96	s.	22	9.8	.....	.....	fg	....	.....	0.18	4.6	heavy rain	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.00	762.0	30.03	762 7	66.5	19.2	89	sw.	.....	.....	.....	0	8 s	.....	.....	0	0	cloudy	I. Garfelt.
Cape Town, The Castle	30.00	764 0	.....	.....	66.0	18.9	45	se.	.....	.....	.....	0	1 k	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.90	708.6	.....	.....	82	27.8	46	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	55.0	12.8	85	s.	.....	.....	3	0	.....	.....	.....	0	0	clear	Leon Herrera.
Niebla	29.52	749 9	29.63	752.6	42.8	6.0	97	e.	.....	.....	2	.....	8	.....	e.	0	0	misty	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	55.0	12.8	85	s.	.....	.....	3	0	.....	.....	.....	0	0	clear	Leon Herrera.
Valparaiso	29.82	757.3	29.96	760.9	57.0	13.9	89	s.	.....	.....	1	2 ck	4	.....	.....	.....	.....	fair	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.10	764.4	30.12	765.0	44.6	7.0	67	sse.	4.9	2.2	.....	.....	10	.....	.....	0.043	1.1	covered	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.93	760.2	29.98	761.4	40.3	4.6	84	ne.	20	9	.....	.....	10	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	30.00	762.0	30.02	762 5	45.1	7.3	70	ne.	.....	.....	6	.....	5	.....	.....	.....	.....	.....	Overloerer Lauridsen.
Godthaab, Greenland	29.54	750 3	29 58	751.4	6.1	—14.4	100	sw.	.....	.....	2-4	.....	10	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Greenland	29.51	749.5	29.53	750.0	14.2	— 9.9	.....	nw.	.....	.....	6	.....	10	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.58	751.2	29.62	752 3	36.0	2.2	74	calm	.....	.....	0	.....	5	.....	.....	.....	.....	.....	
Thorshavn	29.85	758.1	29.87	758.7	47.8	8.8	86	s.	22	10.	.....	.....	10	.....	.....	.....	.....	snowing	A. O. Thorlacius.
Upernavik, Greenland	29.44	747.8	29.49	749.0	— 9.2	—21.9	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	Overloerer Bergh.
Vestervig	30.01	762.3	30.10	764.6	42.3	5.7	88	nne.	.....	.....	6	.....	0	.....	.....	.....	.....	.....	
EGYPTIAN.																			
Cairo	29.67	763.5	.....	.....	80.6	27.	.....	nw.	6.7	3.0	.....	.....	0	.....	.....	0	0	.....	Loerer Oesterhol.
FRENCH.																			Albert Ismailun, Dir.
Agen, Normal School	29.43	747.5	30.09	764.2	56.1	13.4	62	wsw.	.....	.....	1	.....	7 kn	.....	.....	0	0	.....	
Alençon, Normal School	29.60	751.7	30.15	765.7	46.4	8.	92	n.	.....	.....	1	.....	5	.....	s.	0	0	cloudy	M. Labroue, Director.
Arras, Normal School	29.82	757.3	29.97	761 1	46.8	8.2	70	nw.	.....	.....	1	.....	5	.....	s.	0	0	cloudy	M. Nicot, Director.
Avignon, Normal School	29.76	755.8	29.83	757.8	57.2	14.	35	n.	.....	.....	2	.....	8	nw.	nw.	0	0	very cloudy	M. Ungerer, Director.
Bar-sur-Seine	29.49	749.1	30.06	763.4	48.2	9.0	45	e.	.....	.....	8	.....	.....	.....	n.	0	0	.....	M. Giraud, Director.
Beauvais, Normal School	29.85	758.1	30.12	765.0	48.2	9	48	n.	.....	.....	1	.....	8	.....	.....	0.035	0.9	cloudy	M. Saillard, Director.
Besançon, Normal School	29.05	737.8	29.96	760.9	45.0	7.2	69	ne.	.....	.....	1	.....	8	.....	n.	0.012	0.3	very cloudy	M. Frère Eugène Marie.
Bordeaux, Observatory	29.80	756.8	30.06	763.5	54.1	12.3	55	n.	.....	.....	.....	.....	n	.....	sw.	0	0	.....	M. Gobin, Director.
Bourges, Normal School	29.52	749.7	30.04	763 0	48.2	9	48	n.	.....	.....	1	.....	5	.....	n.	0	0	cloudy	M. Rayet, Director.
Brest, Naval Observatory	29.96	760.9	30.20	767.1	56.1	13.4	59	n.	.....	.....	2	.....	5	.....	n.	0	0	cloudy	M. Sauvageot, Director.
Caen, Normal School	30.02	762.4	30.09	764.3	50.4	10.2	97	calm	.....	.....	0	.....	2	.....	.....	0	0	.....	M. de Kermarec, Dir.
Châlons-sur-Marne, N.Sch'l	29.74	755.5	30.07	763 8	45.5	7.5	70	n.	.....	.....	2	.....	2	.....	n.	0	0	slightly cl'dy	M. Berson, Director.
Charleville, Normal School	29.56	750.8	30.08	764.1	45.3	7.4	55	w.	.....	.....	2	.....	8	n.	n.	0.039	1.0	very cloudy	M. Jadot, Director.
Clermont-Ferrand Obs'y	28.64	727.5	30.02	762.5	46.9	8.3	46	nw.	.....	.....	6	.....	8	.....	nw.	0	0	¼ covered	M. Noël, Director.
Cluny, Normal School	29.10	739.2	30.00	762.0	48.2	9.	46	nnw.	.....	.....	2	.....	5	.....	n.	0.008	0.2	.....	M. Alluard, Director.
Commercy, Normal School	29.15	740.4	30.04	762.9	44.4	6.9	57	ne.	.....	.....	1	.....	8	sw.	.....	0	0	.....	M. de Villemontée, Dir.
Gap, Normal School	27 24	692 0	29.76	755 8	53.6	12	36	nw.	.....	.....	1	.....	5 kn	nw.	nw.	0.020	0.5	cloudy	Dr. Coulet, Director.
Grésque, du Rhone	28.62	727.0	29.73	755.2	58.5	14.7	25	se.	.....	.....	1	.....	2 8	.....	.....	0	0	.....	M. Jarach, Director.
Grenoble. Normal School	29.09	738.9	29.87	758.6	53.2	11.8	41	n.	.....	.....	2	.....	3	.....	sw.	0	0	.....	M. Kina, Director.
Guéret, Normal School	28.43	722.1	30.03	762.7	46.4	8.	72	nw.	.....	.....	8	.....	k	.....	n.	0	0	.....	M. Ablard, Director.
Lam al e Normal School	29.90	759.4	30.17	766.4	49.3	9.6	69	ne.	.....	.....	1	.....	k	.....	ne.	0	0	.....	M. Delorme, Dir.
Lescar, Normal School	29.49	749.0	30.08	764.1	56.3	13.5	43	nne.	.....	.....	2	.....	k	.....	nne.	0	0	.....	M. Polipre, Dir.
Lorient, Naval Observatory	30.07	763.8	30.17	766 4	58.3	14.6	58	ne.	.....	.....	4	.....	k	.....	.....	0	0	.....	M. Chauvin, Director.
Lyon, St. Genis-Laval	28 90	734.0	29.97	761.2	47.5	8.6	54	ne.	.....	.....	1	.....	2	.....	ne.	0	0	¼ covered	L. T. Carre, Director.
Mans, Normal School	29.78	756.3	30.09	764 3	49.5	9.7	50	n.	.....	.....	4	.....	8 n	.....	nnw.	0	0	very cloudy	M. André, Director.
Marseille, Observatory	29.50	749 3	29.77	756 1	60.3	15.7	33	ne.	.....	.....	4	.....	5 kn	.....	ne.	0	0	cloudy	M. Richard, Director.
Montlouis	24.67	626.5	29.51	749.5	38.3	3.5	71	nw.	.....	.....	4	.....	5	.....	nw.	0	0	.....	M. Stephan, Director.
Montpellier, Normal School	29.71	754.7	29.82	757 5	59.7	15.4	76	nw.	13.0	5.8	.....	.....	5	w.	.....	0	0	.....	M Cave for Dr. Fines.
Nancy, Normal School	29.23	742.4	30.03	762.8	45.0	7.2	57	nnw.	.....	.....	2	.....	2	nw.	.....	0	0	slightly cl'dy	M. Galzin, Director.
Nantes, Observatory	30.02	762.4	30.18	766.5	50.4	10.2	56	nnw.	.....	.....	1	ck	.....	.....	.....	0.051	1.3	.....	M. Hasse, Director.
Perpignan, Observatory	29.83	757.7	29.95	760.6	57.7	14.3	34	ne.	.....	.....	0-2	.....	9 kn	.....	ne.	0	0	.....	M. Larocque, Director.
Pic-du-Midi, Summit	21.09	535.6	.....	.....	26.6	— 3.0	.....	nw.	9.4	4.2	.....	.....	3	n.	.....	0	0	.....	Dr. Fines, Director.
Privas, Normal School	28.82	732.1	29.90	759.4	51.4	10.8	30	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Vaussenat, Director.
Puy de Dôme Obs'y, Summit	25 02	635.6	.....	.....	25.0	— 3.9	98	n.	.....	.....	1	.....	5	n.	n.	0	0	cloudy	M. Tallieu.
Rochefort, Naval Obs'y	30.08	764.0	30.11	764.8	57.2	14.0	45	nnw.	.....	.....	3	.....	5 k	.....	nnw.	0.008	0.2	.....	M Alluard.
Roche-sur-Yon, N. School	29.89	759.2	30.11	764 7	51.1	10.6	58	ene.	.....	.....	2	.....	0	.....	.....	0	0	clear	Lt. E. Decante, Director.
Rodez, Normal School	27.80	706.1	30.05	763.2	49.5	9.7	61	e.	.....	.....	1	.....	.....	ne.	n.	0	0	.....	M Brotlier, Director.
Rouen, Normal School	30.10	764.4	30.14	765 6	51.1	10.6	68	se.	.....	.....	1	.....	1 kn	.....	nw.	0	0	clear	M. Seger, Director.
Saint Maur, Observatory	29.93	760.3	30.10	764.5	47.5	8.6	44	n.	.....	.....	1	.....	0	.....	.....	0.024	0.6	clear	M. Mouillot, Dir.
Toulouse, Observatory	29.32	744.8	30.05	763.2	55.9	13.3	54	n.	.....	.....	4	.....	10	.....	nne.	0	0	.....	M. Renou, Director.
Tours	29.94	760.5	30.12	765.1	51.8	11.0	41	nw.	.....	.....	2	.....	2	nw.	.....	0	0	slightly cl'dy	M. Bailland, Director.
Versailles, Observatory	29.60	751.8	30.09	764.3	49.3	9.6	40	ne.	.....	.....	2	.....	2	ne.	ne.	0	0	slightly cl'dy	M. de Tastes.
Sub-series.																			
St. Martin du Hinx	29.94	760.4	30.09	764 2	57.2	14.0	53	n.	.....	.....	1	.....	.....	.....	.....	0	0	.....	Dr. A. Berigny, Director.
GERMAN.																			
Ansbach	28.47	723.0	29.95	760.8	38.8	3.8	68	e.	5.8	2.6	.....	.....	3 k	.....	ne.	0	0	.....	M. Carlier, Director.
Bamberg	29.06	738.0	29.90	759.4	41.0	5.0	56	nw	.....	.....	2	.....	9	nw.	.....	0.110	2.8	.....	
Berlin	29.71	754.5	29.85	758 2	43.2	6.2	82	nw.	.....	.....	3	.....	7 n	.....	nw.	0.252	6.4	.....	Prof. Jnedt.
Breslau	29.33	745.0	29.86	758.4	45.3	7.4	55	sw.	.....	.....	2	.....	9	.....	.....	0.094	2.4	.....	Prof. Dr. Hoh.
Carlsruhe	29.50	749.2	29.96	761.0	45.5	7.5	59	nnw.	.....	.....	2	.....	10	.....	.....	0	0	.....	Meteorological Institute
Cassel	29.13	739.9	29.84	758.0	43.3	6.3	76	sw.	.....	.....	3	.....	8	n.	.....	0.209	5.3	raining	Royal University Obs'y
Frankfort-on-the-Main	29.54	750.3	29.91	759.8	42.8	6.0	75	nw.	.....	.....	2	.....	7	nw.	.....	0.020	0.5	.....	Albert Senz.
Friedrichshafen	28.52	724.3	30.00	761.9	41.0	5.0	61	w.	.....	.....	1	.....	10	.....	.....	0.142	3.6	.....	Dr. H. Möhl.
Hamburg	29.80	757.0	29.89	759.3	39.2	4.0	92	ne.	.....	.....	2	.....	8	e.	.....	0.035	0.9	.....	Physical Society.
Kiel	29.90	759.5	29.92	759.9	40.5	4.7	84	ne	.....	.....	4	.....	10	.....	.....	0.154	3.9	raining	Wilhelm, Chief Tel.
Leipsic, Astron'l Obs'y	29.45	748.0	29.88	758.9	43.9	6.6	70	ne.	.....	.....	4	.....	10	.....	.....	0.094	2.4	.....	E. Preller.
Magdeburg	29.65	753.2	29.84	757.9	41.2	5.1	89	wsw.	.....	.....	2	.....	10	wsw.	.....	0.197	5.0	.....	Prof. Dr.G. Karsten.
Memel	29.97	761.2	30.02	762.4	45.3	7.4	65	ssw.	.....	.....	1	.....	10	s.	.....	0.209	5.3	.....	H. Leppig, Asst.
Munich	28.07	713.0	29.93	760.1	39.4	4.1	65	s.	.....	.....	1	.....	9 ks	.....	.....	.....	.....	.....	Weather Observatory.
Neufahrwasser	29.93	760.1	29.94	760.5	42.4	5.8	84	w.	.....	.....	4	.....	9	W.	.....	0.055	1.4	.....	Issermann.
Neustadt, Palatinate	29.40	746.8	29.93	760.1	45.3	7.4	57	w.	.....	.....	1	.....	10	.....	.....	0.031	0.8	.....	Central Station.
Stuttgart	28.98	736.1	29.90	759.4	41.5	5.3	57	w.	.....	.....	1	.....	8	w.	.....	0.043	1.1	.....	A. Lothes.
Wustrow	29.86	758.4	29.88	759.0	41.9	5.5	76	ne.	.....	.....	2	.....	9	n.	.....	0.059	1.5	.....	Prof. Dicknether.
GREEK.													5 k	.....	.....	0	0	.....	Prof. Dr. Schoder.
Athens	29.24	742.8	29.63	752.6	56.3	13.5	.....	s.	.....	.....	1.0	8	0	.....	.....	0.169	4.3	.....	Profs. Brandes & Reimer
INDIAN.																			
Kurrachee	29.82	757 4	29.87	758.7	87.9	31.1	37	sw.	20.0	8.9	.....	.....	0	.....	.....	0	0	blue sky	Kokkides & Wourlisch.
Deesa	29.32	744.7	29.78	756.3	96.2	35.7	16	nnw.	12.0	5.4	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.77	756.1	29.80	757.0	83.2	28.4	67	nw.	23.0	10.3	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	27.93	709.3	29.72	754.8	95.5	35.3	10	nw.	19.0	8.5	.....	.....	5	.....	nw.	0	0	d. clouds	
Belgaum	27.26	692.5	29.76	756.0	83.1	28.4	57	wsw.	9.0	4.0	.....	.....	3	.....	ne.	0	0	d. clouds	
Lahore	29.09	739.0	29.83	757.8	81.8	27.7	28	nw.	4.0	1.8	.....	.....	2	.....	.....	0	0	blue sky	
Roorkee	28.85	732.7	29.73	755.2	85.7	29.8	19	w.	.....	.....	.....	.....	0	.....	.....	0	0	blue sky	
Agra	29.18	741.2	29.73	755.2	93.6	34.2	17	nw.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.66	728.0	29.67	753 5	97.3	36.3	18	calm	2.0	0.9	.....	.....	6	.....	W.	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.39	721.1	29.70	754.4	96.0	35.6	15	calm	0	0			4			0	0	d. clouds	
Lucknow	29.31	744.4	29.67	753.6	95.0	35.0	22	wsw.	10.0	4.5			0			0	0	misty	
Allahabad	29.37	746.0	29.67	753.7	94.7	34.8	26	calm	0	0			0			0	0	misty	
Patna	29.51	749.6	29.69	754.2	92.7	33.7	33	w	4.8	2.2			0			0	0	blue sky	
Hazaribagh	27.73	704.3	29.70	754.2	87.6	30.9	24	nne.	4.0	1.8			0			0	0	blue sky	
Cuttack	29.67	753.6	29.75	755.6	84.3	29.1	64	e.	5.0	2.2			5			0	0	blue sky	
Calcutta, Alipore	29.73	755.1	29.75	755.7	83.0	28.3	71	s.	11.0	4.9			0			0	0	d. clouds	
Dhubri	29.61	752.0	29.73	755.0	77.3	25.2	59	calm	0	0			2			0	0	misty	
Chittagong	29.74	755.3	29.83	757.6	79.7	26.5	79	sw.	0.3	0.1			0			0	0	d. clouds	
Sibsagar	29.45	747.9	29.78	756.5	77.1	25.1	75	n.	2.0	0.9			7	sw.	sw.	0	0	blue sky	
Jeypore	28.39	721.0	29.81	757.1	87.2	30.7	14	nnw.	12.5	5.6			0			0	0	d. clouds	
Zanzibar	29.79	756.6	29.81	757.2	88.7	31.5	53	ene.	8.0	3.6			1			0	0	d. clouds	
Bellary	28.27	718.0			97.6	36.4	20	se.	2	0.9		4 c	0			0	0	blue sky	
Trichinopoly	29.54	750.3			95.5	35.3	28	e.	0.4	0.2		0	0			0	0		
ITALIAN.																			
Udine	29.34	745.1	29.74	755.5	54.3	12.4	29	s.	0.7	0.3			1			0	0		Prof. Giovanni Clodig.
Milan	29.24	742.8	29.76	755.9	56.3	13.5	39	ne.	4.3	1.9			1			0	0		Prof. G.V.Schiapparelli
Padua	29.65	753.0	29.76	755.8	52.3	11.3	48	sse.	3.8	1.7			4			0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.80	731.4	29.70	754.4	57.2	14.0	18	e.	4.3	1.9			3	nne.		0	0		Prof. F. F. Denza.
Genoa	29.55	750.6	29.74	755.5	57.2	14.0	52	sw.	5.6	2.5			0			0	0		Prof. G. M. Garibaldi.
Pesaro	29.71	754.5	29.75	755.7	49.8	9.9	59	ne.	5.6	2.5			4			0	0		Prof. Luigi Guidi.
Florence	29.47	748.6	29.73	755.1	56.3	13.5	32	ne.			2		9			0	0		Prof. Costantino Pittei.
Leghorn	29.63	752.5	29.71	754.6	57.6	14.2	53	wsw.	2.5	1.1			4	sw.		0	0		Prof. P. Monte.
Rome	29.52	749.8	29.70	754.3	56.5	13.6	36	n.	3.8	1.7			4			0.008	0.2		Prof. P. Tacchini.
Lecce	29.40	746.7	29.65	753.2	51.6	10.9	72	wnw.	15.0	6.7			10	nw.		0.134	3.4		Prof. C. de Giorgi.
Cosenza	28.79	731.3	29.69	754.0	53.6	12.0	76	ene.	1.8	0.8			9	ne.		0.057	1.7		Prof. D. Conti.
Palermo	29.55	750.6	29.80	757.0	57.6	14.2	54	nw.	15.0	6.7			6	nw.		0.441	11.2		Prof. G. Cacciatore
Syracuse	29.68	753.9	29.72	755.0	67.3	19.6	71	s.	16.1	7.2			10	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.18	741.2			56.1	13.4	59	sw.	3.1	1.4			7	nnw.		0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	29.75	755.7	29.78	756.6	35.0	1.7	74	n.			4	0	0			0.024	0.6	clear	H. Hattori.
Awomori	29.76	755.9	29.80	756.9	32.0	0.0	75	e.	2.6	1.2		0	0			0	0	clear	K. Ogawa.
Hakodate	29.82	757.5	29.83	757.8	27.0	— 2.8	88	calm	0	0		0	0			0	0	clear	Y. Souma.
Hamamatsu	29.64	752.8	29.74	755.3	43.1	6.2	74	w.			4	2 cs	1 s	w.	w.	0.386	9.8	fair	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.96	761.0	29.97	761.3	42.5	5.8	75	n.	2.9	1.2		0	0			0	0	clear	Y. Okamoto.
Kagoshima	30.03	762.7	30.04	763.0	43.4	6.3	93	nnw.			2	0	0			0	0	clear	
Kanazawa	29.80	756.9	29.90	759.5	37.0	2.8	98	ne.	1.3	0.5		0	3 ks			0.048	1.2	fair	S. Endo.
Kioto	29.73	755.2	29.91	759.6	39.6	4.2	71	wnw.	2.8	1.2		0	0			0.045	1.1	clear	M. Tojima.
Kochi	29.89	759.2	29.91	759.7	48.1	8.9	78	w.	4.0	1.8		0	1 s		n.	0.040	1.0	clear	K. Kusunose.
Miasaka	29.95	760.8	29.98	761.5	48.7	9.3	65	wnw.			2	0	0			0.004	0.1	clear	K. Masusaki & T. Ishitaim.
Miyako	29.63	752.6	29.74	755.4	35.2	1.8	88	ne.	1.1	0.4			10 s			0	0	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.83	757.7	30.04	763.0	46.2	7.9	72	calm	0	0		0	0			0	0	clear	
Nemuro	29.82	757.4	29.87	758.7	28.4	— 2.0	82	se.	3.0	1.3		0	2 s			0	0	clear	A Shibuya.
Niigata	29.80	756.9	29.83	757.7	38.9	3.8	72	n.	1.9	0.8		0	2 ks		nw.	0.070	1.8	fair	Satoo & Tomikawa.
Nobiru	29.68	753.8	29.69	754.2	37.0	3.3	84	nnw.	18.6	8.3			9 ks			0.080	2.0	cloudy	Yoshino & Midzushina.
Numadzu	29.66	753.3	29.70	754.3	42.8	6.0	90	sse			1		10 n			0.559	14.2	light rain	T. Ohgi.
Osaka	29.91	759.7	29.92	760.1	40.0	4.4	80	nw.	4.4	2.0		0	0			0.125	3.2	clear	H. Omura.
Sakai	29.94	760.6	29.95	760.8	39.5	4.2	87	wnw.			2	0	0			0.004	0.1	clear	Yamawchi & Sakamoto.
Sapporo	29.75	755.6	29.82	757.3	28.9	— 1.7	66	se.	0.9	0.4		0	0			0	0	clear	S. Kimura.
Shimonoseki	29.85	758.2	30.00	761.9	48.4	9.1	59	w.			1	0	0			0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.63	752.6	29.70	754.5	40.1	4.5	96	n.	8.7	3.9			10 s			0.867	22.0	covered	The Staff.
Wakayama	29.86	758.5	29.92	759.9	41.3	5.2	84	calm	0	0		0	0			0.151	3.8	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.70	754.4	29.89	759.2	78.5	25.8	82	ene.	9.5	4.2			10ks;kn		ene.	0.47	11.9	overcast	The Staff.
MEXICAN.																			
Leon	24.28	616.7	30.01	762.2	53.6	12.0	65	nnw.	0.9	0.4		1 c	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.68	753.8	29.94	760.5	65.0	18.3	84	nnw.	5.3	2.3		4 cs	0	sw.		0	0	fair	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.09	764.3	30.09	764.3	46.6	8.1		n.			4					0.031	0.8		
Groningen	29.95	760.6	30.00	762.0	43.3	6.3		nne.			3					0.031	0.8		
Helder	30.06	763.4	30.06	763.4	43.3	6.3		nne.			5					0	0		
Hellevoetsluis	30.06	763.4	30.06	763.4	47.3	8.5	65	nnw.			3					0.004	0.1	cloudy	H. van der Brink.
Utrecht	30.00	761.9	30.04	763.1	46.0	7.8	81	n.			5		4			0.020	0.5		
Sub-series.																			
Batavia, Java	29.84	757.8			80.1	26.7	77	w.	0.5	0.2			9			0.768	19.5		Lt. J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.05	763.3	30.11	764.9	45.0	7.2	47	sw.	9	4			3			0	0		
Brono	30.16	766.0	30.20	767.0	37.2	2.9	53	sse.			4		1			0	0		
Ohristiania	30.02	762.4	30.17	766.2	43.5	6.4	45	ene.	4	2			2			0	0		
Gjaesvær	30.14	765.6	30.17	766.2	28.2	— 2.1		sse.			4		10			0	0		
Lodingen	30.15	765.7	30.19	766.9	27.7	— 2.4	46	se.			4		2			0	0		
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A.M.R. dos Santos.
Funchal, Madeira																			Capt. D. A. de Cunha.
Lisbon, Observatory	30.06	763.4	30.14	765.6	65.8	18.8	54	sw.	6.9	3.1			0			0	0		The Staff.
Ponta Delgada, Azores	29.65	753.1	29.98	761.5	62.4	16.9	47	ene.	8.1	3.6			0			0	0		
Saint Paul de Loanda	30.13	765.2	30.20	767.0	63.7	17.6	68	ne.	5.6	2.5			4			0.252	6.4		
St. Vincent, Cape Verd Ids.	30.02	762.4	30.05	763.3	69.6	20.9	65	ne.			2		4			0	0		
San Salvador, Congo	27.97	710.3	29.76	756.0	85.1	29.5	62	w.			1		4			0	0		
Serra da Estrella	25.22	640.5	29.97	761.1	45.3	7.4	41	ese.	6.3	2.8			0			0	0		
RUSSIAN.																			
Akmolinski	29.13	740.0	30.30	769.7	16.2	— 8.8	88	e.	16	7			10 n			0	0		Major K. Lassarew.
Archangel	29.91	759.7	29.93	760.2	36.7	2.6	79	s.	2	1			10			0.197	5.0	light snow	Capt. Sselliwerstow
Ashuradа	30.35	771.2	30.27	768.8	54.9	12.7	59	nnw.	22	10		0	2 ks			0	0	light clouds	
Astrakhan	30.47	773.8	30.39	771.9	41.7	5.4	37	ese.	9	4		0	0						Capt. Wisganow.
Baku	30.36	771.1	30.31	769.9	44.8	7.1	87	nnw.	9	4			9 ku			0.024	0.6		
Barnaul	29.87	758.6	30.39	772.0	30.4	— 0.9	61	n.	4	2			0			0	0		Meteorological Office.
Bielosersk	29.63	752.5	30.11	764.8	37.9	3.3	80	sw.	7	3			10 ks			0.004	0.1		
Dorpat	29.82	757.4	30.07	763.8	36.0	2.2	87	calm	0	0			10 n			0	0		Rosenthal.
Ekaterinburg	29.45	748.0	30.46	773.6	34.9	1.6	58	se.	11	5		10 c	0			0	0	solar halo	Meteorological Obs'y
Elisawetgrad	29.54	750.3	29.99	761.8	48.4	9.1	76	ese.	11	5		c	6 ks			0.102	2.6		
Kasan	30.12	765.1	30.41	772.4	27.7	— 2.4	69	sw.	7	3			10			0	0		Observatory.
Kem	30.02	762.6	30.08	763.9	27.0	— 2.8	87	ne.	18	8			10 ks			0	0		
Kerch	29.88	759.0	29.91	759.6	50.4	10.2	61	ne.	9	4		0	8 k			0	0		Lagorio & Sastyres.
Kieff	29.32	744.6	29.97	761.3	37.8	3.2	90	sse.	7	3			10 n			blank	blank		Observatory.
Koslov	29.75	755.6	30.28	769.2	27.9	— 2.3	80	ssw.	16	7			10 s			0	0		
Lgov	29.58	751.4	30.20	767.0	33.6	0.9	79	se.	16	7			10			0.161	4.1	rain & snow	R.I. Ssaweljew, Engineer.
Libau	29.98	761.5	30.00	762.1	43.5	6.4	75	se.	4	2			10			0.028	0.7		F. Quass.
Lugan	29.94	760.4	30.15	765.7	37.2	2.9	68	ene.	22	10			4			0	0	light clouds	Meteorological Obs'y
Moscow	29.70	754.4	30.20	767.1	33.4	0.8	80	calm	0	0			10 s			0.004	0.1		Meteorological Obs'y
Nertschinsk	27.53	699.3	29.98	761.4	14.2	— 9.9	40	nw.	2	1			0			0	0		
Nikolaiev	29.80	757.0	29.87	758.8	60.4	15.8	47	ese.	13	6		0	0			0	0		Capt. Kurdakow.

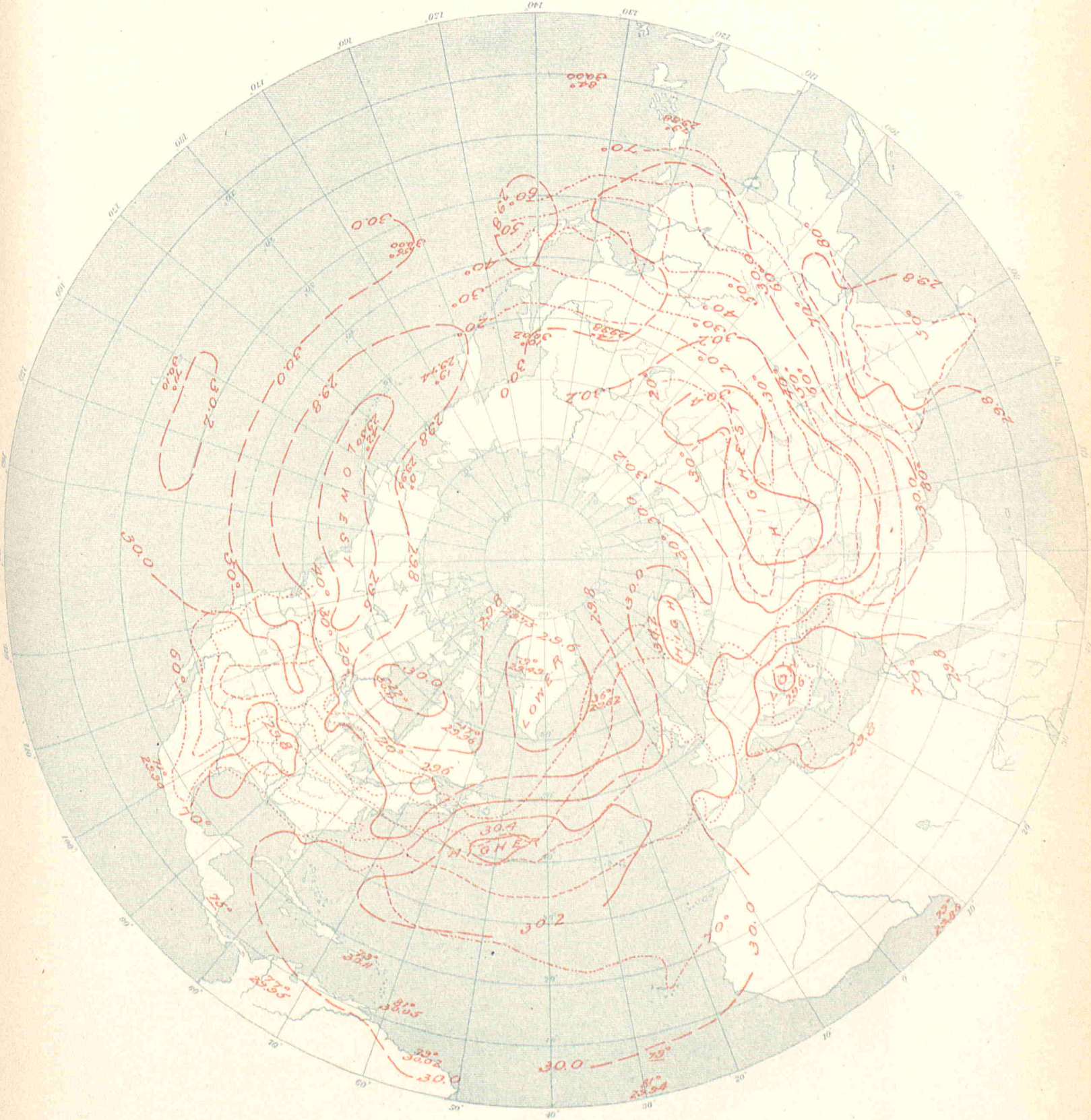
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mts. p. sec	c=10	c=10	c=10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.94	760 4	30.02	762.6	10.0	—12.2	92	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.80	757.0	29.95	760.6	48.2	9.0	49	sw.	3.4	1.5	.....	0	0	.....	.....	0	0	.....	Slang.
Petro-Alexandrovsk	29.97	761.3	30.34	770 7	37.2	2.9	61	w.	2	1	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.79	756.7	29.99	758 8	39.7	4.3	70	sw.	9	4	.....	0	8 ks	.....	.....	0.004	0.1	.....	Dr. Berrmann.
Pinsk	29.49	749.0	30.00	762.1	33 8	1.0	98	e.	13	6	.....	.....	10 n	.....	.....	0.031	0.8	snowing	
Poti	29.85	758.2	29.88	759 0	64.2	17.9	75	ese.	9	4	.....	.....	4 k	.....	.....	0	0	.....	
St. Petersburg	30.04	763.0	30.06	763.6	35.1	1.7	84	sw	7	3	.....	.....	10 n	.....	.....	0 004	0.1	.....	Central Physical Obs'y.
Samarkand	27.76	705 2	30.32	770.0	42.1	5.6	76	calm	0	0	.....	.....	9 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.77	756.2	30.51	775.0	1.6	—16.9	85	calm	0	0	.....	.....	9	.....	.....	0	0	.....	Major Tasarew
Sevastopol	29.50	749.4	29.71	754.6	70.7	21.5	28	ese.	27	12	.....	.....	9 n	.....	.....	0.028	0.7	.....	
Staroi Bykhov	29.52	749 9	30.10	764.5	36.5	2.5	80	e.	7	3	.....	.....	10	.....	.....	0.110	2.8	.....	Carl Hagen.
Tashkend, Laboratory	28.56	725.5	30.28	769.0	46.9	8.3	53	w.	4	2	.....	.....	9 k	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.78	731.1	30.22	767.7	51.4	10.8	48	ssw.	7	3	.....	0	7 k	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.64	702 0	30.22	767.5	40.1	4.5	61	calm	0	0	.....	0	3 k	.....	.....	.....	.....	.....	Lartono.
Viatka	29.61	752.2	30.28	769.0	30.7	— 0.7	67	wsw.	31	14	.....	.....	10	.....	.....	0	0	.....	
Vladivostock	29.80	757.0	29.87	758.7	30.7	— 0.7	62	e.	9	4	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.47	748.5	29.90	759.4	46.4	8.0	54	sw.	9	4	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.21	767.2	30.51	775 0	25.2	— 3.8	71	calm	0	0	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.52	749.8	30.44	773 2	34.3	1.3	85	sse.	.....	.....	.....	.....	10	.....	se.	inap.	inap.	cloudy	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.80	757.0	29.91	759.8	56.7	13.7	62	s.	.....	.....	.....	1 c	0	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	30.05	763 2	30.11	764.7	57.2	14.0	62	sw.	0.9	0.4	.....	2	7	e.	.....	0	0	almost cov'd	Prof. Manuel de Naveran
Burgos, Met. Obs'y	27.06	687 2	30.08	763.9	47 5	8.6	52	e.	11.2	5.0	.....	.....	0	.....	.....	0	0	clear	Domingo Martin.
Madrid, Royal Obs'y	27.74	704.6	29.95	760.8	59.5	15.3	34	ne.	4.7	2.1	.....	0	0	.....	.....	0	0	clear	The Staff.
Murcia, Met. Obs'y	29.80	757.0	29.95	760.8	63.0	17.2	75	ssw.	1.3	0.6	.....	3	4	e.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.06	738.1	29.94	760 5	63.3	17.4	39	ne.	0.7	0.3	.....	.....	0	.....	.....	0	0	clear	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.98	761 6	30.05	763.2	71.3	21.8	89	e.	3.6	1.6	.....	0	k	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.82	757.5	29.88	758.9	78.7	25.9	73	ese.	13.2	5.9	.....	0	0	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.85	758.2	29.95	760.7	64.0	17.8	63	w.	7.0	3.1	.....	1	6	w.	w.	0.098	2.5	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.02	762.5	30.11	764.8	73.4	23.0	80	calm	0	0	.....	4 k	2 k	se.	se.	0	0	d. clouds	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.23	767.9	30.27	768.9	20.8	— 6.2	100	n.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....
Umea	30.21	767.4	30.26	768.7	24.4	— 4.2	73	ne.	.....	.....	7	.....	0	.....	.....	0	0	.....	.....
Hernosand	30.16	766.0	30.21	767.3	29.8	— 1.2	61	n	.....	.....	2	.....	7	.....	.....	0.106	2.7	.....	.....
Stockholm	29.95	760.7	30.13	765 2	32.0	0.0	74	n.	.....	.....	6	.....	10	.....	.....	0.008	0.2	.....	.....
Wisby	29.93	760 2	29.99	761 7	37.8	3.2	93	e.	.....	.....	6	.....	10	.....	.....	0.012	0.3	.....	.....
Sub-series.																			
Upsala	30.06	762.6	30.15	765.8	29.3	— 1.5	82	nne.	17.4	7.8	.....	.....	10	.....	ne.	0	0	.....	H.H. Hildebrandesson
Swiss																			
Geneva	28 48	723.3	29.91	759.6	46.9	8.3	58	n.	.....	.....	3	.....	9	.....	.....	0	0	covered	.....
TURKISH.																			
Constantinople	.....	.....	29.65	753.2	64.8	18.2	52	sw.	9	4.0	.....	.....	10	.....	sw.	0.343	8.7	.....	The Observatory.
Valona	.....	.....	29.72	754 9	49.8	9.9	.....	se.	.....	.....	1	.....	10	.....	.....	0.59	15.	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.79	756.6	68.9	20.5	66	nw.	.....	.....	2	1 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	29.70	754.4	29.80	756.9	46.5	8.1	94	s.	3	1.3	.....	.....	fg.	.....	.....	0.06	1.5	dense fog	J. O. Barnes.
Alpena, Michigan	29.19	741 4	29.89	759.2	32.8	0.4	78	w	3	1.3	.....	0	4 s	.....	w	inap.	inap.	fair	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.82	630.4	29.84	757.9	18.1	— 7.7	80	nw.	2	0.9	.....	0	7 8	.....	.....	0.98	24.9	fair	J. B. Turton.
Assinnaboine, Ft., Montana	26.93	684.0	29.95	760.7	32.7	0.4	69	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. J. O'Connor.
Atlanta, Georgia	28.68	728.5	29.89	759.2	61.8	16.6	90	W.	11	4.9	.....	.....	10 s	.....	w.	0.52	13.2	cloudy	S. W. Beall.
Atlantic City, New Jersey	29.76	755.9	29.77	756.1	52.0	11.1	100	w.	1	0.4	.....	.....	10 s	.....	.....	0.11	2.8	cloudy	B. A. Blundon.
Augusta, Georgia	29.68	753.9	29.88	758.9	66	18.9	87	sw.	7	3.1	.....	5 cs	5 ks	sw.	s.	0.79	20.1	threatening	W. J. Evans.
Baltimore, Maryland	29.78	756 4	29.84	757.9	55.9	13.3	92	w.	1	0.4	.....	.....	fg.	.....	.....	0.66	16.8	dense fog	Geo. W. Felger.
Barnegat City, New Jersey	29.78	756.4	29.80	759.9	50.0	10.0	93	nw.	8	3.6	.....	.....	10 ks;fg	.....	.....	0.08	2.0	cloudy	J. P. Sherry
Bennett, Fort, Dakota	28.17	715.5	29.87	758.7	28.8	— 1.8	90	nw.	1	0.4	.....	0	0	.....	.....	inap.	inap.	clear	A. Pritchard
Benton, Fort, Montana	26.99	685.5	29.97	761.2	29.0	— 1.7	62	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. S. Bennett.
Bismarck, Dakota	27.92	709.2	29.84	757.9	29.0	— 1.7	80	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.72	754.9	29.75	755.6	46.2	7.9	100	sw.	10	4.5	.....	.....	fg.	.....	.....	0.32	8.1	dense fog	J. T. Elker.
Boise City, Idaho	27.10	688 3	30.02	762.5	32.8	0.4	84	se.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	James Kenealy.
Boston, Massachusetts	29.60	751.8	29.76	755.9	49.5	9.7	95	W.	8	3.6	.....	.....	10s;fg	.....	W.	0.31	7.9	cloudy	O. B. Cole.
Brownsville, Texas	29.68	753.9	29.74	755.4	73.0	22.8	90	s.	10	4.5	.....	.....	10 s	.....	s.	0	0	cloudy	John McGlone.
Buffalo, New York	29.11	739.4	29.90	759 4	35.4	1.9	92	sw.	4	1.8	.....	.....	10 s	.....	sw.	0.21	5.3	cloudy	D. Cuthbertson.
Buford, Fort, Dakota	27.72	704.1	29.88	758.9	26.1	— 3.3	93	W.	1	0.4	.....	0	0	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.45	748.0	29.87	758.7	55.0	12.8	80	se.	8	3.6	.....	.....	10 s	.....	se.	0.04	1.0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.69	754.1	29.89	759.2	43.0	6.1	86	e.	16	7.2	.....	.....	10 k	.....	.....	0	0	cloudy	J. H. Young.
Cape Henry, Virginia	29.82	757 4	29.84	757.9	55.0	12.8	100	sw.	3	1.3	.....	.....	fg	.....	.....	0.15	3.8	dense fog	A. K. Alderson.
Cape May, New Jersey	29.78	756.4	29.81	757 2	49.0	9.4	100	W	8	3.6	.....	.....	fg.	.....	.....	0.08	2.0	dense fog	W. E. Smith.
Cape Mendocino, California	29.34	745.2	30.03	762.7	42.1	5.6	92	se.	16	7.2	.....	.....	10 n	.....	.....	0.08	2.0	light rain	A. P. Leavitt.
Cedar Keys, Florida	29.98	761.5	30.00	762.0	70.3	21.3	94	s.	14	6.3	.....	0	4 k	.....	s.	0	0	fair	G. W. Davis.
Charleston, S. Carolina	29.84	757.9	29.90	759.4	66.0	18.9	92	sw.	8	3.6	.....	7 c	3 s	nw	sw.	1.14	29.0	cloudy	J. H. Smith.
Charlotte, N. Carolina	28.93	734.8	29.81	757.2	61.8	16.6	94	sw.	13	5.8	.....	.....	10 s	.....	sw.	0.67	17.0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.02	737.1	29.87	758.7	56.0	13.3	90	nw.	2	0.9	.....	.....	10 s	.....	sw.	0.24	6.1	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.74	603.0	29.94	760.5	17.2	— 8.2	85	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.18	741.2	29.92	760.0	41.3	5.2	75	n.	3	1.3	.....	10s;k	0	w.	.....	0	0	fair	Wm. Norrington.
Chincoteague, Virginia	29.80	756.9	29.82	757 4	54.0	12.2	100	nw.	4	1.8	.....	.....	fg.	.....	.....	1.50	38.1	dense fog	C. F. Dickens.
Cincinnati, Ohio	29.20	741.7	29.89	759.2	54.8	12.7	72	ne.	3	1.3	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	L. Dunne.
Cleveland, Ohio	29.15	740.4	29.93	760.2	38.2	3.4	89	nw.	3	1.3	.....	.....	10s;sk	.....	nw.	0.04	1.0	cloudy	W. Line.
Columbus, Ohio	29.01	736.8	29.90	759.4	47.5	8.6	71	W.	6	2.7	.....	.....	10 s	.....	nw.	0	0	cloudy	F. T. Williams
Concho, Fort, Texas	27.87	707.9	29.84	757.9	52.3	11.3	69	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.63	676.4	29.96	761.0	24	— 4.4	76	e.	4	1.8	.....	0	0	.....	.....	0	0	clear	W. J. Daily.
Davenport, Iowa	29.20	741.7	29.89	759.2	40.5	4.7	72	se.	4	1.8	.....	7 cs	hz.	W.	.....	0	0	fair	R. R. Martin.
Davis, Fort, Texas	24.93	633.2	29.80	756.9	41.0	5.0	76	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ter'y	28.21	716.5	30.03	762.7	33.0	0.6	85	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	T. Gibson.
Deadwood, Dakota	25.17	639.3	30.01	762.2	29.0	— 1.7	92	e.	3	1.3	.....	0	0	.....	.....	0	0	clear	G. W. Scott.
Delaware Breakwater, Del.	29.81	757.2	29.83	757.7	48.9	9.4	100	n.	5	2.2	.....	.....	fg.	.....	.....	0.33	8.4	dense fog	G. A. Martin.
Denver, Colorado	24.44	620.8	29.88	758.9	34.0	1.1	63	nw.	1	0.4	.....	.....	9 s	.....	W.	0	0	cloudy	E. M. Neal.
Des Moines, Iowa	28.90	734.0	29.86	758.4	42	5.6	74	sw.	1	0.4	.....	.....	10 s	.....	sw.	0	0	cloudy	F. W. Conrad.
Detroit, Michigan	29.20	741.7	29.95	760.7	41.1	5.1	73	nw.	4	1.8	.....	3 cs	0	.....	.....	0.05	1.3	clear	N. B. Conger.
Dodge City, Kansas	27.07	687.6	29.80	756.9	45.2	7.3	89	e.	12	5.4	.....	.....	fg.	.....	.....	0.49	12.4	dense fog	J. E. Lanouette.
Dubuque, Iowa	29.16	740.7	29.90	759.4	34.8	1.6	78	se.	2	0.9	.....	0	fg; 6 ks	.....	s;sw.	0	0	fair	J. Harvey Smith
Duluth, Minnesota	29.03	737 3	29.82	757.4	31.4	— 0.3	76	calm	0	0	.....	0	4 s	.....	nw.	0	0	fair	E. R. Brace.
Eastport, Maine	29.64	752.8	29.71	754.6	41.5	5.3	96	s.	13	5.8	.....	.....	10 s;fg	.....	s.	0.38	9.7	light rain	D. C. Murphy.
Elliott, Fort, Texas	26.92	683.8	29.75	755.6	46.1	7.8	100	s.	7	3.1	.....	0	fg	.....	.....	0.12	3.0	light fog	J. C. Rickli.
El Paso, Texas	26.06	661.9	29.86	758.4	42.2	5.7	73	W.	6	2.7	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.15	740.4	29.92	760 0	40.5	4.7	87	calm	0	0	.....	.....	10 s	.....	W.	0.01	0.3	cloudy	P. Wood.
Escanaba, Michigan	29.17	740.9	29.88	758.9	31.0	— 0.6	78	w.	1	0.4	.....	sk.	sk.	.....	.....	0.01	0.3	dense smoke	L. M. Pindell.
Fort Smith, Arkansas	29.24	742.7	29.73	755.1	55.0	12.8	96	e.	6	2.7	.....	.....	fg.	.....	.....	0.50	12.7	dense fog	J. B. Campbell.
Galveston, Texas	29.77	756.1	29.81	757.2	69.0	20.6	96	s.	8	3.6	.....	.....	fg.	.....	.....	0.02	0.5	dense fog	E. O'C. Macinerney
Grand Haven, Michigan	29.22	742 2	29.92	760.0	36.9	2.7	82	s.	4	1.8	.....	8 c;ck	0	nw.	.....	0	0	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.04	636.0	29.87	758.7	31.8	— 0.1	86	nw.	6	2.7	.....	.....	10 n	.....	nw.	0.68	17.3	light snow	Chas. A. Read.
Hatteras, North Carolina	29.85	758.2	29.86	758.4	58.9	14.9	100	sw.	7	3.1	.....	.....	10s;fg	.....	s.	0.23	5.8	cloudy	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	c=to	c=to	c=to	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.70	652.8	30.02	762.5	37	2.8	64	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear.	S. W. Morrison.
Huron, Dakota	28.36	720.3	29.84	757.9	32.3	0.2	88	ne.	2	0.9	.....	0	2 s	.....	.....	0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.06	738.1	29.90	759.4	48.0	8.9	74	ne.	3	1.3	.....	2 ck	7 s	w.	.....	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.73	755.1	29.76	755.9	69.1	20.6	95	s.	10	4.5	.....	.....	10 ks	.....	s.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	29.93	760.2	29.98	761.5	71.0	21.7	87	sw.	13	5.8	.....	5 cs	2 k	sw.	sw.	0	0	fair	J. W. Smith.
Keokuk, Iowa	29.18	741.2	29.88	758.9	43.4	6.3	89	e.	0	2.7	.....	.....	10 n	.....	e.	0.01	0.3	light rain	F. Z. Gosewisch.
Key West, Florida	30.02	762.5	30.04	763.0	71.5	23.6	94	se.	2	0.9	.....	7 ck	0	s.	.....	0	0	fair	J. J. Lackey.
Kittyhawk, North Carolina	29.84	757.9	29.86	758.4	61.9	16.6	96	sw.	8	3.6	.....	.....	fg; ton	.....	.....	0.15	3.8	light rain	Wesley Blake.
Knoxville, Tennessee	28.81	731.8	29.87	758.7	55.2	12.9	93	calm	0	0	.....	2 k	7s; fg	w.	.....	0.28	7.1	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.05	737.9	29.87	758.7	34.5	1.4	73	s.	6	2.7	.....	0	5 s	.....	s.	0	0	fair	S. C. Emery.
Leavenworth, Kansas	28.85	732.8	29.79	756.7	47	8.3	93	ne.	4	1.8	.....	.....	10 n	.....	.....	0.23	5.8	light rain	C. Dill.
Lewiston, Idaho	29.16	740.7	30.02	762.5	34.0	1.1	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.45	748.0	29.78	756.4	60.0	15.6	90	s.	4	1.8	.....	.....	10 s	.....	.....	0.24	6.1	cloudy	W. U. Simons.
Los Angeles, California	29.58	751.3	29.98	761.5	39.0	3.9	82	n.	2	0.9	.....	0	0	.....	.....	0.05	1.3	clear	T. S. Collins.
Louisville, Kentucky	29.26	743.2	29.85	758.2	54.4	12.4	76	w.	2	0.9	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.13	739.9	29.85	758.2	55.0	12.8	93	w.	3	1.3	.....	.....	10 n	.....	.....	1.06	26.9	light rain	Jno. Healy.
Mackinaw City, Michigan	29.20	741.7	29.90	759.4	37.0	2.8	85	w.	8	3.6	.....	0	8 s	.....	nw.	0.04	1.0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.86	758.4	29.87	758.7	60.0	15.6	100	sw.	7	3.1	.....	.....	10 s	.....	sw.	0.09	2.3	cloudy	William Daly.
Maginnis, Fort, Montana	25.33	643.4	29.93	760.2	38.7	3.7	33	w.	13	5.8	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.10	739.1	29.87	758.7	35.0	1.7	69	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.46	748.3	29.81	757.2	58.0	14.4	96	se.	2	0.9	.....	.....	10 s	.....	se.	0.02	0.5	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.14	740.1	29.93	760.2	36.3	2.4	84	w.	3	1.3	.....	8c; cs	fg.	w.	.....	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	29.85	758.2	29.89	759.2	66.2	19.0	97	s.	6	2.7	.....	.....	10 s	.....	s.	1.35	34.3	cloudy	H. U. Jones.
Montgomery, Alabama	29.65	753.1	29.89	759.2	63.0	17.2	95	sw.	4	1.8	.....	3 cs	0	sw.	.....	3.05	77.5	clear	S. M. Leitzell.
Moorhead, Minnesota	28.72	729.5	29.80	756.9	18	— 7.8	83	s.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	H. Bessant.
Mt. Washington, N. H.	23.43	595.1	29.95	760.7	29.0	— 1.7	100	w.	40	17.9	.....	.....	fg.	.....	w.	0.30	7.6	dense fog	J. H. Melton.
Nashville, Tennessee	29.20	743.2	29.86	758.4	57.4	14.1	91	n	4	1.8	.....	.....	10 ks	.....	w.	inap.	inap.	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.67	753.6	29.79	756.7	48.5	9.2	100	calm	0	0	.....	.....	10s; fg	.....	.....	0.55	14.0	cloudy	J. H. Sherman.
New London, Connecticut	29.72	754.9	29.77	756.1	46.0	7.8	100	s.	2	0.9	.....	.....	fg.	.....	.....	0.56	14.2	dense fog	J. G. Lynch.
New Orleans, Louisiana	29.81	757.2	29.87	758.7	69.0	20.6	93	sw.	6	2.7	.....	.....	10ks; fg	.....	sw.	1.64	41.7	cloudy	M. Herman.
New York, New York	29.62	752.3	29.80	756.9	48.9	9.4	100	calm	0	0	.....	.....	fg.	.....	.....	0.20	5.1	dense fog	W. Finn.
Norfolk, Virginia	29.77	756.1	29.80	756.9	62.1	16.7	100	calm	0	0	.....	.....	10n; fg	.....	.....	0.16	4.1	light rain	Wm. Davis.
North Platte, Nebraska	26.81	681.0	29.87	758.7	32.1	0.1	74	w.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	E. F. Brady.
Olympia, Washington Ter	29.90	759.4	29.94	760.5	37.5	3.1	85	calm	0	0	.....	0	9 s	.....	.....	0	0	cloudy	J. Dascomb.
Omaha, Nebraska	28.64	727.4	29.89	759.2	44.3	6.8	89	s.	1	0.4	.....	.....	10s; fg	.....	s.	0	0	cloudy	A. Pollak
Oswego, New York	29.50	749.3	29.84	757.9	39.0	3.9	89	w.	7	3.1	.....	4 cs	hz.	nw.	.....	0.14	3.6	fair	J. G. Linsley.
Palestine, Texas	29.24	742.7	29.81	757.2	58.3	14.6	100	s.	7	3.1	.....	.....	fg.	.....	.....	0.50	12.7	dense fog	P. T. Jenkins.
Pensacola, Florida	29.88	758.9	29.90	759.4	67.8	19.9	98	w.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	M. McGauran.
Philadelphia, Pa	29.72	754.9	29.82	757.4	55.0	12.8	93	n.	4	1.8	.....	.....	10 s	.....	.....	0.25	6.3	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.30	440.9	29.95	760.7	0.0	—17.8	100	ne.	16	7.2	.....	.....	10 n	.....	.....	0.02	0.5	light snow	H. Hall.
Pittsburg, Pennsylvania	29.04	737.6	29.89	759.2	47.9	8.8	85	nw.	4	1.8	.....	.....	10 s	.....	nw.	0.08	2.0	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	23.3	4.8	.....	.....	.....	.....	.....	1 c	2 s	.....	.....	0.01	0.3	clear	Geo. A. Carden.
Port Huron, Michigan	29.17	740.9	29.89	759.2	35.0	1.7	94	sw.	5	2.2	.....	0	0	.....	.....	0.11	2.8	clear	M. H. Perry
Portland, Maine	29.68	753.9	29.73	755.1	42.5	5.8	88	calm	0	0	.....	.....	fg.	.....	.....	0.42	10.7	dense fog	W. W. Eichelberger.
Portland, Oregon	29.86	758.4	29.93	760.2	38.0	3.3	82	s.	2	0.9	.....	0	9 s	.....	.....	0	0	cloudy	M. L. Hearne.
Prescott, Arizona	24.46	621.3	29.86	758.4	30.0	— 1.1	96	s.	18	8.0	.....	.....	10 s	.....	.....	0.38	9.7	cloudy	N. D. Lane.
Provincetown, Mass	29.72	754.9	29.75	755.6	46.1	7.8	100	sw.	10	4.5	.....	.....	fg.	.....	.....	0.59	15.0	dense fog	C. N. Kitchel.
Red Bluff, California	29.05	753.1	30.02	762.5	39	3.9	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.53	750.0	29.77	756.1	70.4	21.3	93	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	29.18	741.2	29.88	758.9	38	3.3	85	w.	10	4.5	.....	.....	10s; hs	.....	s.	0.02	0.5	cloudy	E. W. McGann.
Roseburg, Oregon	29.41	747.0	29.97	761.2	35.1	1.7	87	se.	1	0.4	.....	7 c	0	w.	.....	0.01	0.3	fair	J. J. Nanry.
Sacramento, California	29.93	760.2	30.00	762.0	42.8	6.0	85	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.21	741.9	29.86	758.4	50.4	10.2	85	ne.	7	3.1	.....	.....	10 n	.....	ne.	0.05	1.3	light rain	J. H. Weber.
St. Michael, Fort, Alaska	29.87	758.7	29.90	759.4	0	—17.8	93	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	28.88	733.5	29.79	756.7	36.0	2.2	83	se.	6	2.7	.....	4 c	0	.....	.....	0	0	fair	P. F. Lyons.
St. Vincent, Minnesota	28.87	733.3	29.81	757.2	11	—11.7	80	s.	1	0.4	.....	.....	fg.	.....	.....	0	0	dense fog	C. B. Dilley.
Salt Lake City, Utah	25.37	644.4	29.89	759.2	36.3	2.4	59	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. Craig.
San Diego, California	29.91	759.7	29.98	761.5	45.0	7.2	83	e.	3	1.3	.....	0	0	.....	.....	0.02	0.5	clear	F. R. Day.
Sandusky, Ohio	29.22	742.2	29.94	760.5	42.4	5.8	74	nw.	3	1.3	.....	.....	10 s	.....	nw.	0.02	0.5	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.77	756.1	29.80	756.9	50.0	10.0	93	w.	16	7.2	.....	.....	fg.	.....	.....	0.11	2.8	dense fog	Y. P. Chappel.
Sanford, Florida	29.95	760.7	30.00	762.0	73.0	22.8	82	sw.	3	1.3	.....	0	fg.	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.95	760.7	30.02	762.5	49.5	9.7	88	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	N. Gorom.
Savannah, Georgia	29.84	757.9	29.91	760.5	67	19.4	87	w.	4	1.8	.....	.....	10 ks	.....	w.	1.29	32.8	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.18	665.0	29.98	761.5	36.5	2.5	68	sw.	10	4.5	.....	0	0	.....	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.58	751.3	29.76	755.9	59.4	15.2	86	s.	7	3.1	.....	.....	10 s	.....	s.	0.22	5.6	cloudy	E. N. Meekins.
Sitka, Alaska	29.35	745.5	29.42	747.3	38.7	3.7	77	s.	17	7.6	.....	.....	10 n	.....	s.	1.10	27.9	light rain	F. W. Fickett.
Smithville North Carolina	29.84	757.9	29.88	758.9	61.4	16.3	97	sw.	4	1.8	.....	.....	10 s	.....	.....	0.19	4.8	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.88	708.1	30.01	762.2	29.5	— 1.4	84	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.18	741.2	29.90	759.4	47.2	8.4	75	e.	7	3.1	.....	.....	10 s	.....	s.	0	0	cloudy	T. B. Jennings.
Stockton, Fort, Texas	26.74	679.2	29.82	757.4	40.5	4.7	59	sw.	4	1.8	.....	0	0	.....	.....	0.03	0.8	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.72	754.9	29.82	757.4	43.0	6.1	86	se.	16	7.2	.....	.....	10 s	.....	se.	0.11	2.8	cloudy	R. Connor.
Thomas, Camp, Arizona	27.20	690.9	29.98	761.5	37	2.8	82	w.	.....	.....	1	0	4 s	.....	.....	0.86	21.8	fair	R. C. Lord.
Toledo, Ohio	29.19	741.4	29.92	760.0	43	6.1	74	calm	0	0	.....	.....	10s; sk	.....	sw.	inap.	inap.	cloudy	A. Buell.
Unalashka, Alaska	29.48	748.8	29.50	749.3	42	5.6	82	s.	16	7.2	.....	.....	10 n	.....	.....	0.28	7.1	light rain	Samuel Applegate.
Vicksburg, Mississippi	29.61	752.1	29.87	758.7	60	15.6	93	calm	0	0	.....	.....	10 s	.....	sw.	1.52	38.6	cloudy	F. W. Mixer.
Washington, D. C	29.74	755.4	29.86	758.4	51.2	10.7	68	sw.	3	1.3	.....	.....	fg.	.....	.....	0.41	10.4	dense fog	T. B. Harrison.
West Las Animas, Colorado	25.65	651.5	29.72	754.9	36.2	2.3	92	n.	13	5.8	.....	.....	10 n	.....	n.	0.23	5.8	light rain	F. H. Brandenburg.
Wilmington, N. Carolina	29.80	756.9	29.86	758.4	65.0	18.3	93	sw.	7	3.1	.....	.....	10 s	.....	.....	0.77	19.6	cloudy	L. H. Albrecht.
Yankton, Dakota	28.47	723.1	29.86	758.4	37.6	3.1	87	s.	4	1.8	.....	3 c	0	.....	.....	0	0	clear	E. H. Thompson.
Yuma, Arizona	29.77	756.1	29.92	760.0	44.9	7.2	70	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	W. S Delano.
Sub-series.																			
Behringisland, Kamchatka	29.72	754.9	29.74	755.4	19.1	— 7.2	83	n.	20	8.9	.....	0	9 k	.....	n.	0	0	cloudy	George Oherulck.
Bluefields, Nicaragua, C. A	.....	.....	.....	.....	82	27.8	.....	ne.	.....	.....	2	2 c	3 ks	.....	ne.	0	0	fair	W. P. Jackson.
Bogota, U. S. C	22.02	559.3	.....	.....	53.6	12.0	90	ne.	2	1	.....	1 cs	8 k	e.	sw.	0.283	7.2	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.80	756.9	29.96	761.0	—17	—27.2	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.06	763.5	76.9	24.9	82	ese.	5	2.2	.....	0	5 c	.....	e.	0	0	fair	Robert Johnston.
Paramaribo, S. A	30.02	762.5	30.02	762.5	79	26.1	82	e.	.....	.....	2	5 ck	4 s	e.	.....	0	0	.....	Dr. C. J. Herings.
Puerto Berrio, U. S. C	29.39	746.5	29.95	760.7	77	25.0	94	s.	.....	.....	1	.....	10 ks	.....	s.	0	0	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	.....	.....	.....	.....	74.8	23.8	85	ne.	.....	.....	1	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A	30.04	763.0	30.11	764.8	—22.0	—30.0	.....	n.	13	5.8	.....	2 c	4 s	n.	n.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.93	760.3	29.94	760.5	78.1	25.6	82	n.	11.2	5.0	.....	.....	4 k	.....	n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	29.90	759.4	29.97	761.1	74.1	23.4	96	n.	.....	.....	3	.....	.....	.....	.....	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, N. 30° 45′, W. 74° 03′	30.17	766.3	68	20.0	.....	s.	.....	.....	6	.....	10	.....	s.	5 h'r	5 h'r	long	s.	overcast.
S. S. Arizona, N. 50° 38′, W. 18° 27′	30.12	765.0	50	10.0	.....	w.	.....	.....	4	.....	3	.....	nw.	0	0	mod.	wnw.	fair.
S. S. Alpin, N. 25° 30′, W. 74° 20′	.....	.....	77	25.0	.....	e.	.....	.....	2	.....	.....	.....	.....	0	0	sm'h	.....	clear.
S. S. Adriatic, N. 48° 03′, W. 29° 58′ *	30.12	765.0	.....	.....	.....	wsw.	.....	.....	5	.....	.....	.....	sw.	.....	.....	high	w.	stormy.
S. S. America, N. 43° —′, W. 20° —′ *	30.23	767.8	56	13.3	75	ne.	.....	.....	1	.....	1	.....	sw.	4 h'r	4 h'r	long	nw.	clear.
S. S. Athos, Port Limon, Costa Rica, C. A.	.....	.....	.....	.....	.....	n	.....	.....	3	.....	0	.....	.....	0	0	long	ne.	clear.
S. S. British Princess, N. 38° 59′, W. 71° 00′†	29.73	755.1	.....	.....	.....	nw.	.....	.....	3	.....	10	.....	w.	6 h'r	6 h'r	mod.	sw.	foggy.
S. S. City of Augusta, N. 38° 00′, W. 75° 26′ †	29.77	756.1	.....	.....	.....	sse.	.....	.....	2	.....	10	.....	sse.	0	0	.....	.....	foggy.
S. S. Caracas, N. 29° 37′, W. 70° 39′ *†	30.20	767.1	72	22.2	83	sse.	.....	.....	3-5	.....	.....	.....	sse	½ h'r	½ h'r	light	se.	overcast
S. Dora, N. 40° 17′, W. 72° 24′ *†	29.81	757.2	43.7	6.5	.....	wnw.	.....	.....	1	.....	10	.....	w.	0	0	light	s.	dense fog.
S. S Donau, N. 40° 41′, W. 62° 52′	30.13	765.3	.....	.....	.....	s	.....	.....	6	.....	2	.....	sw.	0	0	cross	sw.	clear.
S. S. Devonia, N 41° 53′, W. 55° 26′†	30.45	773.4	38	3 3	.....	s.	.....	.....	3	.....	8	.....	s.	1 h'r	1 h'r	sli't	w.	fair.
S. S. England, N. 41° 08′, W. 60° 25′	.....	.....	.....	.....	.....	s.	.....	.....	3	.....	10	.....	s.	0	0	mod.	s.	overcast.
S. S. Elysia, N. 40° 32′, W. 35° 59′ *	30.23	767.8	55	12.8	93	var.	.....	.....	2	.....	2	.....	n.	0	0	mod.	n.	clear.
S. S. France, N. 49° 03′, W 13° 32′ *†	30.10	764.5	.....	.....	.....	wsw.	.....	.....	4	.....	10	.....	wsw.	rain	rain	sm'h	wsw.	rainy.
S. S. Gellert, N. 49° 31′, W. 10° 58′	30.06	763.5	57.5	14.2	90	s.	.....	.....	3	.....	2	.....	.....	0	0	mod.	ssw.	clear.
S. S. George ... Thomas, N. 40° 20′, W. 74° 00′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	fg	.....	.....	12 h'r	12 h'r	mod.	s.	rain & fog.
S. S. Habsburg, N. 40° 58′, W. 56° 44′	30.33	770.4	.....	.....	.....	sw.	.....	.....	2	.....	9	.....	sw.	0	0	sm'h	ne.	overcast.
Schr. John Bracewell, N. 41° 29′, W. 71° 24′	.....	.....	42	5.6	.....	calm	.....	.....	0	.....	0	.....	.....	8 h'r	8 h'r	.....	.....	foggy.
S. S. Lampassas, N. 28° 59′, W. 79° 47′†	30.05	763.3	77	25.0	.....	w.	.....	.....	1	.....	1	.....	w.	0	0	long	ene.	clear.
Bg. L. F. Munson, N. 32° 20′, W. 77° 12′ *†	29.98	761.5	74	23.3	.....	ssw.	.....	.....	5	.....	9	.....	wsw.	2 h'r	2 h'r	long	se.	threatening.
S. S. Main, N. 49° 31′, W. 9° 08′	30.14	765.5	53.6	12	.....	se.	.....	.....	2	.....	2	.....	s.	1 h'r	1 h'r	sm'h	se.	clear.
S. S. Nurnberg, N. 38° 19′, W. 57° 14′	30.31	769.9	55.4	13.0	.....	ene.	.....	.....	6	.....	9	.....	ene.	0	0	cross	e.	cloudy.
S. S. New York, N. 27° 24′, W. 87° 00′ *†	29.98	761.5	76	24.4	.....	s.	.....	.....	5	.....	3	.....	.....	.....	.....	mod.	s.	clear.
S. S. Nessmore, N. 46° 25′, W. 52° 37′	.....	.....	52	11.1	.....	wsw.	.....	.....	6	.....	5?	.....	w.	4 h'r	4 h'r	long	wsw.	overcast ?
S. S. Orinoco, Hamilton, Bermuda †	30.25	768.3	70	21.1	.....	calm	.....	.....	2	.....	9	.....	se.	0	0	.....	.....	cloudy.
Bk. Orpheus, N. 40° 15′, W. 67° 56′ *	29.78	756.4	54	12.2	.....	s.	.....	.....	6	.....	10	.....	.....	0	c	mod.	sw.	raining.
S. S. Pennsylvania, N. 47° 42′, W. 30° 30′ †..	30.14	765.5	50	10.0	79	sw.	.....	.....	5	.....	5	.....	sw.	2 h'r	2 h'r	h'vy	w.	showery.
S. S. Rugia, N. 49° 00′, W. 20° 40′	30.09	764.3	52	11.1	.....	wsw.	.....	.....	5	.....	9	.....	w.	0	0	5	wnw	cloudy.
S. S. Rhynland, N. 49° 56′, W. 9° 45′	.....	.....	50	10 0	.....	sw.	.....	.....	2	.....	.....	.....	sw.	0	0	long	wnw.	fine.
Bg. Rising Sun, N. 38° 23′, W. 72° 22′†	29.73	755.1	55	12.8	.....	wnw.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	s.	foggy.
S. S. State of Georgia, N. 52° 29′, W. 21° 53′†	29.98	761.5	48	8.9	.....	w.	.....	.....	6	.....	8	.....	wnw.	0	0	mod.	.....	cloudy.
S. S. Salerno, N. 45° 46′, W. 30° 15′†	30.23	767.8	54	12.2	.....	wsw.	.....	.....	4	.....	8	.....	wsw.	0.3	8.	long	wsw.	squally.
S. S. Salier, N. 50° 00′, W. 4° 52′	30.16	766.1	.....	.....	.....	nne.	.....	.....	1-2	.....	3	.....	s.	0	0	sm'h	ne.	fine.
S. S. Switzerland, N. 41° 33′, W. 42° 38′*†	30.33	770.4	.....	.....	.....	n.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Samaria, N. 49° 09′, W. 30° 01′	.....	.....	48	8.9	.....	sw.	.....	.....	6	.....	2	.....	sw.	6 h'r	8 h'r	r'gh	w.	squally.
S. S. The Queen N. 49° 12′, W. 21° 34′	.....	.....	49	9.4	?	n.	.....	.....	4	.....	2	.....	nne.	1 h'r	1 h'r	mod.	wnw.	clear.
Bk. Tuck Sing, N. 21° 10′, W. 82° 06′*†	30.06	763.5	.....	.....	.....	se.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Valencia, Puerto Cabello, Venezuela †	30.02	762.5	78	25.6	86	calm	.....	.....	0	.....	6	.....	calm	0	0	.....	.....	fair.
S. S. Westernland, Jersey City, N. J.	29.80	756.9	54	12.2	87	calm	.....	.....	0	.....	10	.....	.....	3 h'r	3 h'r	.....	.....	foggy.
S. S. Wieland, N. 46° 39′, W. 36° 47′	.....	.....	54?	12.2?	.....	nw.	.....	.....	4	.....	4	.....	nw.	0	0	long	nnw.	fair.
S. S. Weser, N. 48° 14′, W. 25° 37′	30.23	767.8	50.0	10.0	.....	sw.	.....	.....	1-2	.....	5	.....	.....	0	0	long	nw.	fair.
S. S. Zeeland, Cape Henlopen, Del *†	29.80	756.9	46	7.8	.....	calm	.....	.....	0	.....	fg	.....	.....	4 h'r	4 h'r	sm'h	.....	dense fog
S. S. Ontario, N. 53° 41′, W. 22° 03′	.....	.....	49	9.4	93	wsw.	.....	.....	6	.....	6	.....	wsw.	1 h'r	1 h'r	h'vy	w.	threatening
S. S. Cienfuegos, Cienfuegos, Cuba, W. I	30.05	763.3	74	23.3	.....	e	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Anchoria, N. 55° 00′, W. 14° 31′	.....	.....	.....	.....	.....	w.	.....	.....	3	.....	5	.....	w.	1 h'r	1 h'r	h'vy	w.	fair.
Schr Adda Doane, Annapolis, Md. †	29.84	757.9	.....	.....	.....	calm	.....	.....	0	.....	fg	.....	.....	4 h'r	4 h'r	.....	.....	foggy
S. S. Chalmette, N. 33° 00′, W. 76° 40′ *†	30.00	762.0	74	23.3	.....	se.	.....	.....	5	.....	10	.....	se.	3 h'r	3 h'r	long	sw.	light rain.
S. S. Erin, London, Eng†	30.17	766.3	56	13.3	.....	nne.	.....	.....	4	.....	4	.....	nne.	0	0	.....	.....	fair.
Bg. John Wesley, Sagua la Grande, Cuba, W. I.	.....	.....	.....	.....	.....	se.	.....	.....	2	.....	1	.....	.....	½ h'r	½ h'r	.....	.....	clear
S. S. Ohio, (Am) Liverpool, Eng †	30.17	766.3	46	7.8	100	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. St. Laurent, N. 44° 15′, W. 44° 00′	30.40	772.1	36.5	2.5	.....	n.	.....	.....	4	.....	4	.....	n.	0	0	r'gh	n.	fair.
Bgt. Sunlight, N. 22° 23′, W. 68° 09′	30.14	765.5	.....	.....	.....	s.	.....	.....	3	.....	3	.....	e.	0	0	sm'h	.....	fair.
Schr. Viola Reppard, N. 25° 17′, W. 78° 45′	.....	.....	76	24.4	.....	ssw.	.....	.....	2	.....	2	.....	calm	4 h'r	4 h'r	sm'h	.....	clear.
S. S. Werra, N. 45° 36′, W. 35° 49′*	30.19	766.8	46.4	8.0	.....	nw.	.....	.....	6	.....	10	.....	nw.	2 h'r	2 h'r	high	nw.	rainy.
U. S. S. Kearsarge, Alexandria, Egypt	29.83	757.7	64	17.8	83	nw.	.....	.....	4	.....	2	.....	nw.	.....	.....	.....	.....	fair.
U. S. S. Lancaster, Alexandria, Egypt	29.83	757.7	65	18.3	89	nw.	.....	.....	4	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Alliance, N 14° 38′, W. 61° 10′	30.09	764 3	77	25.0	69	calm	.....	.....	0	.....	2	.....	calm	0	0	sm'h	.....	fair.
U. S. S. Galena, N. 18° 02′, W. 74° 12′ *	30.01	762.2	79	26.1	74	ene.	.....	.....	4	.....	5	.....	ene.	.....	.....	mod.	e.	fair.
U. S. S. Jamestown, Pointe a Pitre, Guadeloupe, W.I.	30.11	764.8	73	22.8	76	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	clear
U. S. S. Portsmouth, N. 18° 05′ W. 64° 30′	30.10	764.5	76	24.4	91	ne.	.....	.....	4	.....	5?	.....	ene.	.....	.....	sm'h	.....	clear.?
U. S. S. Saratoga, N. 39° 36′, W. 27° 41′	30.23	767.8	58	14.4	70	ene.	.....	.....	3	.....	5	.....	ne.	0	0	long	n.	fair.
U. S. S. Swatara, N. 9° 28′, W. 80° 31′	29.96	761.0	79	26.1	82	ne.	.....	.....	3	.....	2	.....	ne.	0	0	mod.	.....	clear.
U. S. S. Yantic, Charleston, S.C	29.90	759.4	65	18.3	94	sw.	.....	.....	3	.....	8	.....	.....	.....	.....	.....	.....	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.77	756.1	63	17.2	67	wsw.	.....	.....	3	.....	4	wsw.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Alecto, N. 5° 31, W. 0° 11′	29.88	758 9	85	29 4	.....	sw.	.....	.....	1	.....	7	.....	.....	.....	.....	4	s.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.22	767.6	65	18.3	63	se.	.....	.....	3	.....	6	sse.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, Marmaras Bay, Asia Minor	29.75	755.6	63	17.2	83	wnw.	.....	.....	1	.....	9	.....	.....	.....	.....	.....	.....	misty.
H. M. S. Tyne, N. 37° 06′, E. 4° 39′	29.93	760.2	55	12.8	63	calm	.....	.....	0	.....	0	.....	.....	.....	.....	sm'h	.....	misty.
H. P. M. S. Bengo, Porto Praya, Cape Verd Ids	30.07	763.8	72.5	22.5	96	ne.	.....	.....	3	.....	5	.....	sw.	0	0	2	ne.	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.86	758.4	79.2	26.2	97	ese.	.....	.....	3	.....	10	.....	ese.	2 h'r	2 h'r	3	ene.	thnd'r st'rm.
S. S. British Prince, N. 40° 55′, W. 51° 39′	.....	.....	37	2.8	71	ene.	.....	.....	4-6	.....	9	.....	ene.	0	0	.....	ne.	overcast.
S. S. Polynesian, Liverpool, Eng	30.19	766.8	51	10.6	.....	s.	.....	.....	1	.....	3	.....	sw.	0	0	.....	ssw.	hazy.
S. S. Scandinavian, N. 54° 56′, W. 10° 45′	29.88	758.9	50	10.0	.....	s.	.....	.....	6	.....	10	.....	s.	sh'rs	sh'rs	mod.	s.	misty.
S. S. Sardinian, N. 52° 34′, W. 27° 00′	29.93	760.2	45	7.2	.....	sw.	.....	.....	4	.....	7	.....	w.	0	0	mod.	w.	fair.
S. S. Ailsa, Port au Prince, Hayti W. I.	.....	.....	78.5	25.8	85	e.	.....	.....	1	.....	2	.....	ne.	0	0	.....	.....	fair.
S. S. Alps, N. 18° 28′, W. 66° 06′	.....	.....	75	23.9	.....	e.	.....	.....	2	.....	3	.....	e.	0	0	sm'h	.....	fine.
S. S. Dorian, Leghorn, Italy	29.62	752 3	.....	.....	.....	nne.	.....	.....	4	.....	6	.....	nne.	0	0	.....	.....	
S. S. Furnessia, N. 41° 06′, W. 62° 41′ *†	30.10	764.5	60	15.6	.....	se.	.....	.....	2	.....	8	.....	sw.	0	0	cross	sse.	hazy.
S. S. Galatia, N. 42° 22′ E. 5° 36′	.....	.....	61	16.1	.....	nnw.	.....	.....	6	.....	3	.....	nnw.	0	0	r'gh	nnw.	stormy.
S. S. Carroll, Halifax, N.S	.....	.....	43	6.1	.....	s.	.....	.....	3	.....	10	.....	s.	light	light	.....	.....	light rain.
S. S. Gallia, N. 45° 49′, W. 37° 53′	30.31	769.9	43	6.1	.....	nw.	.....	.....	6	.....	5	.....	nw.	0	0	mod.	nw.	fair.
S. S. Wyoming, N. 46° 28′, W. 33° 44′	30.14	765.5	44	6.7	.....	w.	.....	.....	5	.....	6	.....	wnw.	2 h'r	2 h'r	mod	w.	fair.
S. S. Westphalia, Hamburg, Germany	.....	.....	38	3.3	.....	w.	.....	.....	5	.....	10	.....	.....	5 h'r	5 h'r	.....	.....	rainy.
S. S. Hevelius, N. 6° 35′, W 28° 41′	.....	.....	79	26.1	.....	ne.	.....	.....	4	.....	6?	.....	ne.	6 h'r	6 h'r	sm'h	.....	clear.?
S. S. Archimede, (It.) N. 36° 32′, W. 23° 11′	.....	.....	70	21.1	.....	sse.	.....	.....	2	.....	5?	.....	sse.	0	0	r'gh	nw.	cloudy.?
S. S. Picqua, Messina, Sicily	.....	.....	57	13.9	75	var.	.....	.....	2	.....	.....	.....	wnw.	12 h'r	12 h'r	.....	.....	cloudy.
S. S. Oregon, N. 51° 02′, W. 13° 52′	30.01	762.2	52	11.1	.....	wnw.	.....	.....	3	.....	.....	.....	wnw.	11½	hours	mod.	wnw.	fine.
S. S. City of Merida, N. 21° 17′, W. 89° 40′	.....	.....	77.0	25.0	.....	se.	.....	.....	3	.....	3	.....	.....	0	0	mod.	se.	fine.
S. S Italy, N. 40° 28′, W. 70° 38′ *	29.78	756.4	46	7.8	100	s.	.....	.....	3	.....	0	.....	.....	0	0	mod.	se.	dense fog.
S. S. Muriel, N. 35° 16′, W. 71° 00′	.....	.....	69	20.6	.....	s.	.....	.....	3	.....	10	.....	.....	9 h'r	9 h'r	light	s.	raining.
S. S. Belgenland, N. 49° 34′, W. 9° 47′	.....	.....	50	10.0	79	s.	.....	.....	6	.....	10	.....	.....	4 h'r	4 h'r	h'vy	ssw.	cloudy.
S. S. Pennland, Antwerp, Belgium	.....	.....	46	7.8	84	nne.	.....	.....	6	.....	.....	.....	sw.	0	0	mod	w.	cloudy.
S. S. Waesland, N. 40° 10′, W. 63° 18′	.....	.....	.....	.....	.....	ssw.	.....	.....	3	.....	7	.....	ne.	0	0	.....	.....	fair.
S. S. Amsterdam, N. 40° 47′, W. 48° 17′*	30.14	765.5	61	16.1	.....	ne.	.....	.....	6	.....	9	.....	sw.	0	0	mod.	ssw.	cloudy.
S. S. Zaandam, N. 40° 54′, W. 63° 30′*	30.40	772.1	.....	.....	.....	s.	.....	.....	3	.....	2	.....	ne.	0	0	light	e.	fair.
S. S. Saxon, Boston, Mass	30.05	763.3	60.3	15.7	83	wnw.	.....	.....	5	.....	8	.....	w.	0	0	long	s.	cloudy.
S. S. Republic, N. 41° 03′, W. 47° 01′ †	.....	.....	56	13.3	.....	ne.	.....	.....	1	.....	5	.....	.....	0	0	.....	.....	fine.
S. S. Lepanto, N. 36° 12′, W. 0° 29′	30.38	771.6	50	10.0	79	ne.	.....	.....	5	.....	7	.....	e.	0	0	sli't	ne.	d. clouds.
S. S. Marengo, Hull, Eng	29.84	757.9	61	16.1	.....	ne.	.....	.....	6	.....	4	.....	e.	0	0	str'g	e.	fine.
Schr. Arthur Burton, Ponce, Porto Rico, W I	.....	.....	54	12.2	.....	nnw.	.....	.....	2	.....	10	.....	wnw.	.....	.....	sm'h	.....	hazy.
Bk. Aureola, N. 36° 14′, W. 58° 42′	.....	.....	.....	.....	.....	ne.	.....	.....	1	.....	1	.....	ne.	0	0	sm'h	.....	fine.
Bg. Abbie Clifford, N. 23° 00′, W. 58° 24′ †	30.17	766.3	64	17.8	58	ese.	.....	.....	1	.....	6	.....	calm	0	0	mod.	ne.	fair.
			73	22.8	.....	nne.	.....	.....	4	.....	1	.....	nne	.....	.....	mod.	nne.	fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
Bgt. Achsah, Port of Spain, Trinidad, W.I†	30.01	762.2	79	26.1	.....	calm	.....	.....	0	.....	5?	.....	ene.	0	0	.....	.....	clear ?
S. Annie, N. 35° 01′, W. 72° 12′*	29.90	759.4	.....	.....	.....	ssw.	.....	.....	6	.....	10	.....	ssw.	½ h'r	½ h'r	r'gh	sw.	light rain.
Schr. Abbie H. Gheen, Springwood Mills, S.C *†	29.92	760.0	67	19.4	.....	sw.	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
Bk. Alpha, N. 18° 12′, W. 40° 56′*†	30.08	764.0	76	24.4	.....	e.	.....	.....	3	.....	6	.....	nw.	0	0	sm'h	.....	cloudy.
Bk. Bore, N. 18° 44′, W. 25° 28′ *†	30.07	763.8	76	24.4	.....	nne.	.....	.....	4	.....	1	.....	nne.	0	0	sm'h	nw.	clear.
S. S. Bracadale, N. 36° 33′, W. 7° 30′	.....	.....	71	21.7	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	light	nnw.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†.	29.99	761.7	78	25.6	.....	e.	.....	.....	4	.....	6	.....	ene.	0	0	.....	.....	fair.
Bk. Cato, Setubal, Portugal†	30.13	765.3	61	16.1	82	n.	.....	.....	3	.....	.....	.....	.....	0	0	.....	.....	clear.
Bk. C. S. Bushnell, N. 37° 23′, E. 0° 13′	29.94	760.5	.....	.....	.....	e.	.....	.....	5	.....	5	.....	e.	0	0	sm'h	e.	fair.
S. David Stewart, N. 30° 33′, W. 75° 41′	.....	.....	79	26.1	.....	var.	.....	.....	4	.....	8	.....	ssw.	h'vy	h'vy	mod.	ssw.	cloudy.
S. E. B. Sutton, N. 50° 35′, W. 13° 20′*†	30.07	763.8	.....	.....	.....	nnw.	.....	.....	2	.....	5	.....	.....	0	0	long	nnw	fair.
Schr. Edith R. Seward, N. 19° 22′, W. 68° 00′	.....	.....	78	25.6	.....	e.	.....	.....	2	.....	6	.....	e.	1 h'r	1 h'r	mod.	e.	cloudy.
Bk. Esmeralda, off Orkney Islands, Scotland	30.11	764.8	.....	.....	.....	ssw.	.....	.....	3	.....	8	.....	ssw.	1 h'r	1 h'r	long	ssw.	cloudy
U. S. Fish Com. S.S Fish Hawk, Kings Ferry, Fla†...	29.96	761.0	69	20.6	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. Grecian, N 18° 55′, W. 49° —′	.....	.....	74	23.3	63	ne.	.....	.....	2	.....	2	.....	ne.	0	0	sm'h	n.	clear.
Bk. Galeon, N. 20° 01′, W. 21° 26′	.....	.....	69.5	20.8	.....	nne.	.....	.....	3	.....	2	.....	.....	0	0	.....	n.	blue sky.
Bk. Heinrich & Tonio, N. 40° 05′, W. 36° 10′*†	30.27	768.8	56	13.3	69	e.	.....	0–1	0	.....	0	.....	.....	7 h'r	7 h'r	light	n.	clear.
Bk. Hattie G. McFarland, Aspinwall, U.S.C	.....	.....	78	25.6	.....	ene.	.....	.....	4	.....	4	.....	ne.	0	0	.....	.....	
S. Henry Failing, N. 23° 57′, W. 47° 52′	.....	.....	73	22.8	95	nw.	.....	.....	4	.....	10	.....	nw.	2 h'r	2 h'r	long	nnw.	raining.
Schr. Jennie N. Huddell, Smithville, N. C†	29.90	759.4	63	17.2	.....	calm	.....	.....	0	.....	10	.....	.....	3 h'r	3 h'r	.....	.....	cloudy.
Bg. John Welsh, jr., Barbadoes, W. I	.....	.....	.....	.....	.....	ene.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.05	763.3	.....	.....	.....	n.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Cindad, Venezuela	.....	.....	77	25.0	.....	ene.	.....	.....	3	.....	6	.....	ene.	0	0	.....	.....	fair.
Bg. L. & W. Armstrong, Mayaguez, Porto Rico, W.I	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	2	.....	ene.	½ h'r	½ h'r	.....	.....	fine.
Light-house tender Laurel, off Clearwater Harbor, Fla†	30.02	762.5	78	25.6	.....	var.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	hazy.
S. S. Madrid, N. 35° 43′, W. 18° 57′†	30.17	766.3	61	16.1	77	nnw.	.....	.....	4	.....	5	wnw.	nw.	0	0	mod.	nw.	fair.
Schr. Maggie Abbott, Gonaives, Hayti, W I*†	30.02	762.5	.....	.....	.....	.....	.....	.....	2	.....	4	.....	w.	0	0	.....	.....	fair.
S. S. Mendoza, N. 0° 16′, W. 38° 59′	.....	.....	.....	.....	.....	ne	.....	.....	1	.....	.....	.....	.....	2 h'r	2 h'r	sm'h	n.	clear.
Bk. Rosalie, N. 43° 03′, W. 12° 03′*†	30.08	764.0	.....	.....	.....	ene.	.....	.....	3	.....	8	.....	e.	0	0	mod	nw.	cloudy
Bk. Rosina, N. 41° 42′, W. 19° 06′	30.16	766.1	59	15.0	.....	s.	.....	.....	1	.....	9	.....	w.	4 h'r	4 h'r	mod.	w.	gloomy.
Bk. Saga, Sapelo Island, Gar	29.92	760 0	66	18.9	.....	.....	.....	.....	3	.....	9	.....	sw.	2¾ hr	2¾ hr	.....	.....	cloudy.
Bk. Sunbeam, Lisbon, Portugal†	30.00	762.0	64	17.8	78	ne.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
S. Stephen D. Horton, N. 48° 54′, W. 23° 47′ †	30.16	766.1	.....	.....	.....	wnw.	.....	.....	3	.....	8	.....	wnw.	4 h'r	4 h'r	cross	w.;n.	cloudy.
S. Tsemogora, N. 37° 28′. W. 54° 54′*†	30.27	768 8	.....	.....	.....	nnw.	.....	.....	3	.....	3	.....	n.	0	0	long	n.	clear.
Bk. Tros, N. 22° 22′, W. 43° 43′ *†	30.15	765.8	72	22.2	.....	sse.	.....	.....	2	.....	1	.....	e.	0	0	sm'h	e.	clear
S. Vincenzo Accamie, N. 35° 30′. E. 17° 32′†...	29.74	755.4	60.8	16	.....	w.	.....	.....	3	.....	2	.....	w.	1½h'r	1½h'r	mod.	w.	fair.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	77	25.0	.....	ssw.	.....	.....	2	.....	.....	.....	.....	4 h'r	4 h'r	.....	.....	h'vy rain.
S. S. Leipzig, N. 0° 44′, W. 30° 15′*	29.94	760.5	81.0	27.2	83	ene.	.....	.....	3	.....	6	.....	n.	1 h'r	1 h'r	mod	nne.	cloudy.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, S. Africa	30.03	762.7	65	18.3	63	sse.	26	11.6	.....	.....	2	.....	s.	0	0	cross	s.	fair.
U. S. S. Pensacola, S. 14° 59′, W. 7° 13′†	30.07	763.8	77	25.0	82	ese.	.....	.....	3	.....	5	.....	ese.	0	0	sm'h	.....	fair.
H. M. S. Amethyst, S. 39° 20′, W. 57° 50′	29.64	752.8	68	20.0	90	ssw	.....	.....	3	.....	2	s.	.....	.....	.....	2	var.	misty.
H. M. S. Bonditea, St. Paul de Loando, Guinea	29.85	758.2	80	26.7	82	calm	.....	.....	0	.....	4	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Opal, Simons Bay, Cape Colony	30.22	767.6	64	17.8	67	sse.	.....	.....	4	.....	2	sse.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	29.80	756.9	72.7	22.6	91	n.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	thund'r st'm
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela	29.81	757.2	73.4	23.0	83	wnw.	.....	.....	2	.....	10	.....	.....	0	0	1	.....	d. clouds
S. S. Rosse, S. 0° 47′, W. 38° 45′	29.86	758.4	78	25.6	84	ese.	.....	.....	3	.....	10	.....	se.	2 h'r	2 h'r	mod.	n.	squally.
Bk. Adelaide, S 22° 07′, W. 40° 22′ *†	30.16	766.1	84	28.9	.....	ene.	.....	.....	3	.....	1	.....	ne.	0	0	light	ene.	clear.
Bk. Achille F., S. 4° —′, W. 30° 30′*†	29.96	761.0	79	26.1	86	nw.	.....	.....	1	.....	2	.....	n.	8 h'r	8 h'r	long	var.	fine.
S. Frank N. Thayer, S. 4° 15′, W. 26° 38′ *†	29.94	760.5	.....	.....	.....	se.	.....	.....	2	.....	9 km	.....	se.	rain	rain	light	se.	showery.
S. Gatherer, S. 4° 24′, W. 27° 05′†	29.82	757.4	79	26.1	95	ene.	.....	.....	1	.....	7	.....	se.	1½ hr	1½ hr	sm'h	se.	cloudy.
S. Ismir, S. 5° 38′, W. 31° 42′ *†	29.79	756.7	.....	.....	.....	e.	.....	.....	2	.....	10	.....	ene.	rain	rain	.....	se.	rainy.
Bkt. Levanter, S. 27° 50′, W. 42° 16′ *	30.10	764.5	80	26.7	.....	nne.	.....	.....	3	.....	1	.....	.....	0	0	light	ne.	hazy
S. S. Olbers, S. 20° 52′, W. 39° 47′	30.15	765.8	82	27.8	71	ene.	.....	.....	3	.....	3	.....	e.	.....	.....	3	e.	d. clouds.
U. S. S. Shenandoah, Montevideo, Uruguay*	29.86	758 4	73	22.8	100	unw.	.....	.....	1	.....	10	.....	calm	.....	.....	sm'h	.....	raining.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.64	752.8	41	5.0	91	nnw.	.....	.....	2	.....	10	.....	n	1.13	28.7	.....	.....	gloomy.
U. S. S. Alert, Shanghai, China	30.14	765.5	48	8.9	78	sse.	.....	.....	1	.....	8	.....	sse.	.....	.....	.....	.....	cloudy
U. S. S. Essex, N. 31° 12′, E. 139° 02′	29.76	755.9	59	15.0	88	nw.	.....	.....	5	.....	8	.....	.....	.....	.....	sm'h	nnw.	fair.
U. S. S. Juniata, Roze Island, Corea	30.01	762.2	40	4.4	91	wsw.	.....	.....	2	.....	8	.....	.....	0	0	.....	.....	cloudy.
U. S. S. Palos, Shanghai, China	30.10	764.5	45	7.2	92	sse.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	30.00	762.0	65	18.3	94	e.	.....	.....	1	.....	10	ene.	.....	.....	.....	.....	.....	drizzling.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.05	763.3	60	15.6	82	ene.	.....	.....	2	.....	9	.....	.....	.....	.....	sm'h	.....	overcast.
H. M. S. Champion, Shanghai, China	30.08	764.0	48	8.9	86	s.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	30.10	764.5	55.2	12.9	84	ne.	.....	.....	4	.....	6	.....	.....	.....	.....	2	.....	squally.
H. P. M. S. Tamega, Macao, China	29.98	761.5	68.0	20	88	e.	.....	.....	3	.....	8	.....	.....	0	0	.....	.....	d. clouds.
U. S. S. Monocacy, Canton, China	29.91	759.7	69	20.6	90	se.	.....	.....	2	.....	10	.....	sse.	.....	.....	.....	.....	cloudy
S. S. Newbern, N. 23° 26′, W. 110° 45′	.....	.....	65	18.3	75	nnw.	.....	.....	5	.....	5	.....	nw.	0	0	light	wnw.	fair.
S. S. City of Chester, San Francisco, Cal†	30.01	762.2	47	8.3	92	calm	.....	.....	0	.....	10	.....	.....	hv'y	hv'y	.....	.....	
S. S. Oregon, Astoria, Oregon†	29.88	758.9	45	7.2	84	ne.	.....	.....	2	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
S. S. Alameda, Honolulu, Sandwich Islands†	30.10	764.5	71	21.7	75	ne.	.....	.....	3	.....	10	.....	ne.	rain	rain	.....	.....	rainy.
S. S. Ancon, San Francisco, Cal†	29.97	761.2	50	10.0	86	calm	.....	.....	0	.....	.....	.....	.....	0	0	.....	.....	clear.
S. S. Geo. W. Elder, Seattle, Wash. Ter	.....	.....	43	6.1	100	calm	.....	.....	0	.....	4	.....	.....	0	0	.....	.....	
S. S. State of California, Portland, Oregon†	29.91	759.7	36	2.2	100	calm	.....	.....	0	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
S. S. Australia, N. 23° 04′, W. 154° 56′	30.18	766.6	73	22.8	72	ne.	.....	.....	5	.....	4	.....	ne.	0	0	.....	ne.	clear.
S. S. City of Pekin, Hong Kong, China †	29.99	761.7	66	18.9	78	se.	.....	.....	4	.....	10	.....	.....	0	0	.....	.....	cloudy.
S. S. City of Tokio, N. 23° 44′, W. 161° 08′†	30.21	767.3	70	21.1	80	e.	.....	.....	5	.....	5	.....	e.	.....	.....	mod.	e.	fair.
S. S. Granada, Panama, Panama†	29.92	760.0	76	24.4	91	nw.	.....	.....	1	.....	2	.....	n.	0	0	.....	.....	clear.
S. S. San Blas, N. 17° 51′, W. 103° 01′†	29.90	759.4	71	21.7	90	n.	.....	.....	3	.....	4	.....	calm	0	0	small	sw.	fair.
S. S. San José, N. 21° 31′, W. 106° 25′	.....	.....	59	15.0	76	nw.	.....	.....	3	.....	2	.....	.....	0	0	small	wnw.	clear.
S. S. Benalder, Hong Kong, China	29.99	761.7	68	20.0	100	sse.	.....	.....	4	.....	7	.....	s.	4 h'r	4 h'r	.....	.....	drizzling.
S. S. Port Phillip, N. 10° 21′, E. 133° 14′	30.00	762.0	84	28.9	83	ne.	.....	.....	2	.....	.....	.....	.....	.....	.....	light	e.	cloudy.
U. S. S. Richmond, N. 23° 23′, E. 117° 50′	30.08	764.0	60	15.6	88	ne.	.....	.....	5	.....	10	.....	ne.	0.1	3.	sm'h	.....	cloudy.
S. S. Oceanic, N. 34° 20′, E. 161° 50′	30.00	762.0	56	13.3	75	var.	.....	.....	4	.....	8	.....	s.	0	0	4	sse.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Pinta, Port Otway, Patagonia	29.91	759.7	44	6.7	92	wnw.	.....	.....	1	.....	5	.....	calm	.....	.....	.....	.....	fair.
U. S. S. Wachusetts, Valparaiso, Chili	29.95	760.7	54	12.2	80	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Espiegle, S. 33° 08′, E. 171° 05′	29.98	761.5	04	17.8	78	se	.....	.....	2	.....	2	.....	.....	.....	.....	1	sw.	blue sky.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.99	761.0	58	14.4	.....	calm	.....	.....	0	.....	8	.....	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Lark, S. 31° 42′, E. 171° 50′	29.88	758.9	64.3	17.9	86	s.	.....	.....	3	.....	8	.....	.....	.....	.....	4	sw.	d. clouds.
H. M. S. Mutine, Callao, Peru	29.95	760.7	71	21.7	.....	calm	.....	.....	1	.....	8	.....	.....	.....	.....	.....	.....	misty.
H. M. S. Sappho, S. 19° 36′, W. 70° 14′	30.02	762.5	73	22.8	90	s.	.....	.....	1	.....	2	s.	.....	.....	.....	.....	.....	blue sky.
S. S. City of Sydney, Sydney, N.S.W.*†	30.22	767.6	70	21.1	75	ne.	.....	.....	2	2 c	.....	ne.	.....	.....	.....	.....	.....	clear.
U. S. S. Onward, Callao Bay, Peru	30.03	762.7	71	21.7	95	se.	.....	.....	1	.....	8	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Iroquois, Coquimbo, Chili	29.96	761.0	59	15.0	82	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	71	21.7	90	calm	.....	.....	0	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.78	756.4	83	28.3	79	wnw.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Magpie, S 3° 30′, E. 106° 11′	29.84	757 9	81.5	27.5	86	nnw.	.....	.....	1	.....	6	.....	.....	.....	.....	.....	.....	d. clouds.
H.M. S Myrmidon, Suez, Egypt	29.74	755.4	70	21.1	57	sse.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H.M. S. Tourmaline, off Zanzibar, Zanzibar	29.83	757.7	80	30.0	88	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. J. W. Gildemeister, S. 3° 15′, E 107° 00′	29.85	758.2	82.4	28	85	u.	.....	.....	3	.....	3 km	nw.	u.	1¼ hr	1¼ hr	.....	.....	d. clouds.
S. Orcadia, S. 8° 52′, E. 77° 50′*	29.80	756.9	.....	.....	.....	se.	.....	.....	4	.....	5	.....	ese.	0	0	long	s.	fair.

International Chart I. March 24, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 25, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
Algerian.																			
Nemours	.....	.....	29.91	759.7	64.8	18.2	78	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	29.92	759.9	58.3	14.6	61	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.85	758.3	61.5	16.4	75	nw.	.....	.....	4	.....	4	.....	.....	0	0	cloudy	Fonfrède.
Tunis	.....	.....	29.78	756.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.91	759.6	53.6	12.0	54	n.	.....	.....	2	.....	2	.....	.....	0	0	fair	Forfert.
Laghouat	.....	.....	29.91	759.6	69.4	20.8	.....	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.92	760.0	67.6	19.8	69	calm	.....	.....	0	.....	0	.....	.....	0	0	clear	Gouson.
Australian.																			
Adelaide, South Australia	.....	.....	29.96	761.0	77.0	25.0	39	calm	0	0	.....	.....	7 k	.....	.....	0	0	.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.90	759 4	30.09	764.3	60	15.6	80	calm	0	0	.....	.....	10	.....	.....	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	29.94	760.5	30.04	763.0	74.1	23.4	55	se.	11	4.9	.....	.....	9	.....	.....	.....	.....	light rain	R. L. J. Ellery.
Austro-Hungarian.																			
Agram	29.13	740.0	29.69	754.2	37.2	2.9	58	sw.	.....	.....	2	.....	10	.....	.....	0.114	2.9	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.88	733.5	29.65	753.2	41.4	5.2	94	ene.	16.8	7.5	.....	.....	10	.....	.....	0.882	22.4	.....	Dr. Wierzbiski
Eperies	28.74	730.1	29.63	752.6	43.9	6.6	88	calm	.....	.....	0	.....	10 s	.....	.....	0.583	14.8	.....	Julius Mikolik.
Gratz	28.45	722.5	29.70	754.4	47.7	8.7	47	nw.	.....	.....	5	.....	10	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.18	715.7	29.61	752.2	43.0	6.1	99	nnw.	.....	.....	2	.....	10	.....	.....	0.492	12.5	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.43	722.2	29.82	757.4	35.2	1.8	95	w.	.....	.....	1	.....	10	.....	.....	0.323	8.2	.....	The Staff.
Lemberg	28.73	729.7	29.73	755.2	41.2	5.1	88	e.	.....	.....	4	.....	10	.....	.....	0.457	11.6	.....	Dr. T. Stanecki.
Pola	29.55	750.6	29.66	753.4	51.6	10.9	55	ene.	.....	.....	5	.....	5	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.13	739.9	29.60	751.8	45.0	7.2	91	w.	.....	.....	4	.....	10	.....	.....	0.319	8.1	.....	Joseph Midlinszky, S. J
Szegedin	29.36	745.7	29.64	752.9	45.5	7.5	80	sw.	.....	.....	1	.....	10	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.60	751.9	29.70	754.4	55.2	12.9	46	w.	.....	.....	1	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.01	736.9	29.74	755.5	39.2	4.0	82	nw.	.....	.....	2	.....	10	.....	.....	0.220	5.6	raining	I. R. Central Met. Obs'y.
Belgian.																			
Arlon	28.57	725.6	29.99	761.8	41.0	5.0	64	ese.	.....	.....	2–3	.....	6	.....	.....	0.008	0.2	snowing	
Brussels	30.09?	764.2?	30.3e?	769.5?	42.4	5.8	89	ne.	.....	.....	3	.....	10	.....	ene.	0.016	0.4	.....	
Furnes	30.10	764.4	30.11	764.9	44.1	6.7	74	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	
Maeseyck	29.97	761.1	30.09	764.3	49.1	9.5	71	nne.	.....	.....	1	.....	7	.....	.....	0.157	4.0	.....	
British.																			
Aberdeen	30.08	764.0	30.18	766.6	45.0	7.2	80	sse.	16	7.2	.....	.....	6	.....	.....	0	0	misty	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.14	765.5	48.8	9.3	65	se.	18	8.0	.....	.....	6	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	29.61	752.1	30.15	765.8	46.4	8.0	52	se.	6	2.7	.....	.....	5	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.78	756.4	30.17	766.3	45.1	7.3	64	se	.....	.....	3	.....	8	.....	.....	0	0	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.01	762.2	30.04	763 0	80	26.7	87	ne.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	43.3	6.3	81	e.	.....	.....	0.6	.....	9	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E	29.98	761.5	30.15	765.8	47.7	8.7	67	ne.	.....	.....	3	.....	7	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.87	758.7	30.10	764.5	47.4	8.6	74	sse.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.74	704 6	30.05	763.3	74.2	23.4	43	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.93	760 2	29.97	761.2	48	8.9	92	se.	.....	.....	1	.....	9	.....	.....	0.08	2.0	raining	Wm. Ryan.
Gibraltar, Mediterranean	29.80	756.9	29.90	759.4	64.4	18.0	86	nw.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.98	761.5	30.15	765.8	45.1	7.3	70	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.78	756.4	30.09	764.3	47.5	8.6	63	e.	.....	.....	2	.....	9	.....	.....	.....	.....	overcast	A. Collenette, F.R.M.S
Kew, Observatory	30.12	765.0	30.15	765.8	44.2	6.8	60	ne.	8	3.6	.....	.....	9	.....	.....	.....	.....	misty	The Staff.
Leicester, Museum	29.90	759.4	30.16	766.1	48.0	8.9	56	sw.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.66	753.4	29.73	755.1	61.4	16.3	58	w.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.05	763.3	30.10	764.5	78.0	25.6	78	s.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.93	760.2	30.16	766.1	44.1	6.7	72	e.	.....	.....	2	.....	4	.....	.....	.....	.....	blue sky	The Staff.
Plymouth	30.02	762.5	30.10	764.5	48.0	8.9	70	se.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	30.00	762.0	30.10	764.5	49.8	9.9	70	.....	.....	.....	.....	.....	4	.....	.....	.....	.....	d. clouds	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.62	752.3	29.69	754.1	60.0	15.6	65	sw.	.....	.....	1	.....	2	.....	.....	blank	blank	d. clouds	W. H. Lyne.
Sheffield	29.90	759.4	30.19	766.8	47.0	8.3	64	e.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	W. F. Cooper.
Silloth Rectory	30.11	764.8	30.14	765 5	50.1	10.1	79	n.	.....	.....	2	.....	5	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.17	766.3	47.3	8.5	46	sse.	13	5.8	.....	.....	9	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	45.5	7.5	75	e.	.....	.....	1.0	.....	9	.....	.....	.....	.....	gloomy	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.94	760.5	29.97	761.2	48.9	9.4	87	sse.	14	6.3	.....	.....	10	.....	.....	.....	.....	raining	The Met'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.43	747.5	29.82	757.4	58.6	14.8	66	w.	9.3	4.2	.....	0	5 k	.....	w.	0.06	1.5	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.85	758.2	29.96	761.0	64.8	18.2	96	e.	10	7.2	.....	.....	10 k	.....	sse.	0	0	cloudy	The Staff.
Canadian.																			
Bathurst, N. B	29.78	756.4	29.82	757.4	39.0	3.9	.....	calm	0	0	.....	7 cs	0	.....	.....	0	0	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.65	753.1	29.69	754.1	33	0.6	96	nw.	5	2.2	.....	.....	10 n	.....	.....	0.320	8.1	foggy	H. J. Cundall, C. E.
Chatham, N. B*	29.73	755.1	29.79	756.7	39	3.9	82	n.	10	4.5	.....	2 k	8 ks	n.	n.	0.05	1.3	cloudy	G. A. Blair.
Cornwall, Ontario	29.76	755.9	29.96	761.0	34.9	1.6	87	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.77	756.1	29.82	757.4	38.0	3.3	.....	sw.	.....	.....	1	.....	10 ks	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec*	29.85	758 2	29.87	758.7	34	1.1	96	calm	0	0	.....	.....	10 n	.....	.....	Imp.	Imp.	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.01	736.8	29.90	759.4	15	— 9.4	91	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	James Stewart.
Fredericton, N. B	29.74	755.4	29.81	757.2	40.1	4.5	71	w.	4	1.8	.....	.....	10 s	.....	.....	Imp.	Imp.	overcast	Dr. Thos. Harrison
Grand Manan, N. B	29.73	755.1	29.79	756.7	40	4.4	76	nw.	8	3.6	.....	.....	10 ks	.....	.....	0.10	2.5	cloudy	J. Chipman Seeley
Granton, Ontario	28.85	733 8	29.98	761.5	33.0	0.6	100	calm	0	0	.....	.....	10	.....	.....	0	0	gloomy	Jas. Grant.
Halifax, N.S*	29.52	749.8	29.05	753 1	39	3.9	96	nw.	9	4.0	.....	8 k	0	nw.	.....	0.950	24.1	cloudy	A. Allison.
Hamilton, Ontario	29.55	750.6	29.97	761.2	37.5	3.0	90	sw.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Geo. Dickson, B. A.
Kingston, Ontario*	29.68	753.9	30.02	762.5	32	0.0	96	s.	2	0.9	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A.
Little Grace Bay, N. S	29.48	748.8	29.52	749.8	31.0	— 0.6	98	ne.	4	1.8	.....	.....	10 n	.....	.....	0	0	foggy	C. H. Rigby.
London, Ontario	29.00	738.1	30.00	762.0	30.3	— 0.9	94	calm	.....	.....	0	0	8 s	.....	.....	0.23	5.8	d. clouds	E. B. Reed.
Medicine Hat, N. W. T	27 31	693.7	29.03	752.6	32	0.0	92	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	27.82	706.6	29.84	757.9	23	— 5.0	100	w.	3	1.3	.....	2 ck	2 s	w.	w.	0	0	fair	Rev. J. M. Wellwood
Montreal, Quebec*	29.77	756.1	29.98	761.5	37	2.8	82	w.	7	3.1	.....	sk	0	.....	.....	0	0	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.70	755.9	29.99	761.7	28.3	— 2.1	87	sw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.26	743 2	29.99	761.7	25	— 3.9	92	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.24	742.7	30.00	762.0	29.7	— 1.3	86	se.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.10	739.1	29.82	757.4	30	— 1.1	88	w	2	0.9	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.29	744.0	30.01	762 2	31	— 0.6	100	calm	0	0	.....	10 c	0	sw.	.....	0	0	fair	H. Morgan.
Port Stanley, Ontario	29.34	745.2	30.01	762.2	32	0.0	92	e.	5	2.2	.....	8 ck	hz	nw.	.....	0	0	cloudy	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec*	29.56	750.8	29.93	760.2	33	0.6	96	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	Capt. Asse, R. N.
Rockliffe, Ontario*	29.48	748.8	29.97	761.2	20	— 6.7	84	calm	0	0	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.72	754.9	29.77	756.1	39	3.9	86	nw.	2	0.9	.....	2 k	2 ks	w.	.....	0.04	1.0	fair	
St. John, N. B	29.63	752.6	29.77	756.1	38.5	3.6	95	nw.	8	3.6	.....	4 k	5 k	nw.	.....	0.621	15.5	fair	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	29.21	741.9	29.96	761.0	29	— 1.7	88	se.	1	0.4	.....	2 cs	0	.....	.....	0	0	clear	
Stratford, Ontario	28.68	728.5	30.01	762.2	32.0	0.0	88	w.	1	0.4	.....	1 cs	0	w.	.....	0	0	blue sky	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	29.56	750.8	29.62	752.3	33	0.6	96	n.	4	1.8			10 n			0.92	23.4	foggy	T.C.Hill, C.E.
Toronto, Ontario*	29 64	752.8	30.04	763.0	29	— 1.7	100	se.	2	0.9		0	hz			0	0	clear	Magnetic Observatory.
Woodstock, Ontario	28.94	735 1	30.04	763.0	31.0	— 0.6	73	s.	2	0.9		10 ck	0			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.67	753.6	29.74	755.4	36	2.2	92	n.	6	2.7		8 k	0	nw.		0.51	13.0	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.12	765.0	30.15	765.8	67.0	19.4	89	sse.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.92	760.0			74.0	23.3	37	s.				0	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.91	708.9			88	31.1	45									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.24	742.6	29.34	745.3	46.4	8.0	91	e.			2		3		nw.	0.150	3.8		Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					56.3	13.5	83	n.			2	0				0.165	4.2	clear	Leon Herrera.
Valparaiso	29.83	757.6	29.97	761.2	59.9	15.5	92	ne.			1		10					cloudy	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.05	763.3	30.08	763.9	48.2	9.0	76	sse.	6.0	2.7			10			0	0	covered	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	30.21	767 2	30.25	768.4	37.4	3.0	64	ene.	20	9.			10						Oversergent Fischer.
Fanöe	30.24	768.1	30.26	768 6	38.8	3.8	62	ene.			4		9						Overloerer Lauridsen.
Godthaab, Greenland	29.73	755.2	29.78	756.3	5.0	—15.0	96	nw.			2		10						S. Kleinschmidt.
Ivigtut, Gree. land	29.71	754.7	29.73	755.2	1.8	—16.8		calm			0		0						
Stykkisholm, Iceland	29.72	755.0	29.77	756.1	33.8	1.0	63	se.			4		10						A. O. Thoriacius.
Thorshavn	29.87	758.7	29.89	759.3	44.6	7.0	89	w.	25	11			5						Overloerer Bergh.
Upernavik, Greenland	29.66	753.4	29.71	754.6	0.1	—17.7		sw.			4		10						
Vestervig	30.21	767.4	30.30	769.7	36.0	2.2	66	e.			4		5						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.80	756.9			68.0	20		ne.	4.3	1.9		6 ck				0	0		Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School	29.35	745.5	30.01	762 2	50.7	10.4	58	une.			1	2 ck				0	0	misty	M. Labroue, Director.
Alençon, Normal School	29.51	749.5	30.06	763.5	42.8	6	85	n.			2		5		s.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.80	756.9	29.95	760.8	45.0	7.2	60	ne.			2		8	sw.	sw.	0	0	very cloudy	M. Ungerer, Director.
Avignon, Normal School	29.71	754.6	29.79	756.6	52.2	11.2	32	nnw.			6		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.43	747.5	30.00	761.9	45.9	7.7	57	ene.			1		8 kn		ne.	0	0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.80	756.9	30.08	763.9	46.4	8.0	59	ene.			2		8		ne.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.99	736.4	29.90	759 4	46.0	7.8	51	ne.			1		kn		nw.	0.008	0.2		M. Gobin, Director.
Bordeaux, Observatory	29.71	754.6	29.97	761.3	50.0	10.0	46	n.			1		2			0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.43	747.6	30.00	762.0	43.5	6.4	88	n.			1		5		n.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.88	759.0	30.12	765 1	52.9	11.6	54	e.			1		7		e.	0	0		M. de Kermaurée, Dir.
Caen, Normal School	29.93	760.3	30.01	762.2	47.8	8.8	92	ne.			2		10			0	0	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.67	753 6	30.00	761.9	46.9	8.3	64	ne.			1		8		e.	0.031	0.8	very cloudy	M. Jadot, Director.
Charleville, Normal School	29.55	750.6	30.08	764.0	45.0	7.2	74	ne.			4		10		ne.	0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	29.59	726.1	29.98	761.5	39.6	4.2	62	nnw.			2		10			0	0		M. Alluard, Director.
Cluny, Normal School	29.04	737.5	29 93	760.2	45.3	7.4	53	ne.			1		5	sw.		0	0		M. de Villemonté, Dir.
Commercy, Normal School	29.14	740.1	30.01	762 2	43.5	6.4	65	ne.			4		8 kn	ne.	ne.	0	0	very cloudy	Dr. Coulet, Director.
Gap, Normal School	27.12	688.9	29.67	753.5	47.3	8.5	46	s.			6		4 n			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.59	726.1	29.71	754.5	53.1	11.7	31	nw			4		1		nw.	0	0		M. Kina, Director.
Grenoble, Normal School	29.04	737.6	29.82	757.3	47.5	8.6	44	nw.			8		k		nw.	0	0		M. Ablard, Director.
Gué et, Normal School	28.44	724.4	30.06	763.5	42.8	6	56	ne.			1		k		ne.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.79	756.6	30.06	763.6	48.9	9.4	69	e.			2		kn		e.	0	0		M. Polipre, Dir.
Lescar, Normal School	29.37	746.1	29.98	761.4	54.5	12.5	40	ne.			4		n			0	0		M. Chauvin, Director.
Lorient, Naval Observatory	30.00	761.9	30.10	764 5	52.9	11.6	59	ese.			1		2			0	0	¼ covered	L'. T. Carre, Director.
Lyon, St. Genis-Laval	28.83	732.2	29 90	759 5	43.9	6.6	52	n.			6		5 n		n.	0	0	fair	M. André, Director.
Mans, Normal School	29.76	755.8	30.07	763.8	44.8	7.1	60	e.			4		5 kn		e.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.44	747.8	29.71	754.7	55.0	12.8	35	nw.			6		1		nw.	0	0		M. Stephan, Director.
Montlouis	24.56	623.9	29.41	746.9	41.9	5.5	47	w.	16.8	7.5			0			0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.67	753.6	29.78	756.4	56.5	13.6	71	n.			6		1	ne.		0	0	clear	M. Galzin, Director.
Nancy, Normal School	29.18	741.2	29.98	761.6	43.2	6.2	56				2		kn		ne.	0.020	0.5		M. Hasse, Director.
Nantes, Observatory	29.93	760.1	30.09	764.2	48.9	9.4	53	ene.			2	ck	10 k		ene.	0	0		M. Larocque, Director.
Perpignan, Observatory	29.74	755.3	29.85	758.2	54.7	12.6	26	nw.	26.2	11.7	1-2		0			0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.96	532.5			27.9	— 2.3		ne.			1		0			0	0	clear	M. Vaussenat, Director.
Privas, Normal School	28.75	730.3	29.83	757.7	47.8	8.8	54	n.			6		2	n.	n.	0	0	slightly cl'dy	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.94	633 4			22.1	— 5.5	100	nne.			3		10			0.004	0.1		M. Alluard.
Rochefort, Naval Obs'y	29.98	761.6	30.02	762.4	54.5	12.5	39	ne.			2		0			0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.78	756.4	30.00	762.0	49.6	9.8	56	w.			1					0	0		M. Brotlier, Director.
Rodez, Normal School	27.77	705.3	30.04	763.0	45.5	7.5	60	sse.			0-5		1 n		nnw.	0	0	clear	M. Seger, Director.
Rouen, Normal School	30.04	763 1	30.09	764.3	46.0	7.8	75	e.			1		10		e.	0	0	covered	M. Mouillot, Dir.
Saint Maur, Observatory	29.89	759.2	30.06	763.4	43.9	6.6	63	ne.			2		10		ne.	0.004	0.1	very cloudy	M. Renou, Director.
Toulouse, Observatory	29.22	742.3	29.95	760 6	53.6	12.0	24	nw.			1		0			0	0	clear	M. Baillaud, Director.
Tours	29.87	758 7	30.05	763.3	48.6	9.2	63	nne.			1		8	ne.	ne.	0	0	very cloudy	M. de Tastes.
Versailles, Observatory	29.55	750.6	30.04	763.1	44.2	6.8	57	ne.			2					0	0		Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.82	757.4	29.97	761.2	52.3	11.3	43	n.	5.8	2.6		3 c				0.035	0.9		M. Carlier, Director.
GERMAN.																			
Ansbach	28.47	723.2	29.96	761.0	40.6	4.8	74	ne.			4		10	ne.		0.043	1.1		Prof. Juedt.
Bamberg	29.07	738.4	29.91	759.7	39.2	4.0	70	nw.			3		10 n		nw.	0.209	5.3	raining	Prof. Dr. Hoh.
Berlin	29.86	758.4	30.01	762.2	41.0	5.0	81	ne.			2		10			0	0		Meteorological Institute
Breslau	29.32	744.0	29.84	758 0	36.7	2.6	94	ne.			4		10			0.260	6.6	raining	Royal University Obs'y
Carlsruhe	29.53	750.0	30.00	761.9	43.5	6.4	71	sw.			2		10	ne.		0.091	2.3		Albert Senz.
Cassel	29.31	744 4	30.02	762.5	40.0	4.0	71	n.			6		7	nw.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.62	752 4	29.99	761.7	46.0	7.8	64	ene.			2		8			0.020	0.5		Physical Society.
Friedrichshafen	28.48	723.4	29.94	760.5	38.8	3.8	80	nne.			4		8	ene.		0.244	6.2		Wilhelm, Chief Tel.
Hamburg	30.11	764.8	30.20	767.1	37.2	2.9	80	ene.			4		10			0.016	0.4	snowy	E. Preller.
Kiel	30.19	766 8	30.21	767 2	36 7	2.6	73	ne.			5		10			0.024	0.6		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.58	751.2	30.01	762.2	39.2	4.0	85	nne.			3		10	n.		0.067	1.7	raining	H. Leppig, Asst.
Magdeburg	29.86	758.4	30.06	763 4	39.6	4.2	89	nne.			3		10	ne.		0.118	3.0		Weather Observatory.
Memel	30.11	764.8	30.16	766.0	42.4	5.8	70	ene.			3	8 ck							Issermann.
Munich	28.04	712.3	29.90	759.4	34.7	1.5	93	nw.			2		10			0.094	2.4		Central Station.
Neufahrwasser	30.08	764.0	30.10	764.4	37.6	3.1	90	n.			5		10			0	0	squally	A. Lothes.
Neustadt, Palatinate	29.43	747.4	29.95	760.8	45.0	7.2	69	ne.			3		6	ne.		0.079	2.0	light rain	Prof. Dicknether.
Stuttgart	29.00	736.5	29.91	759.8	40.1	4.5	81	ne.			2		10			0.217	5.5		Prof. Dr. Schoder.
Wustrow	30.15	765 7	30.17	766.3	36.9	2.7	84	ne.			5		10 s			0.063	1.6		Profs. Brandes & Reimer
GREEK.																			
Athens	29.37	746.0	29.76	755 8	61.3	16.3		s.			1.5	2	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.78	756.3	29.83	757.6	89.6	32.0	17	SW.	24.0	10.7			0			0	0	blue sky	
Deesa	29.31	744.4	29.77	759.1	96.4	35.8	15	n.	8.0	3.6			0			0	0	blue sky	
Bombay	29.73	755.1	29.77	756.1	83.9	28.8	72	nw.	18.0	8.0			0			0	0	blue sky	
Poona, Yarrowda	27.91	708.9	29.69	754.2	97.4	36.3	10	nw.	15.0	6.7			0			0	0	d. clouds	
Belgaum	27.24	692.0	29.74	755.5	83.0	28.3	59	wsw.	17.0	7.6			7			0	0	d. clouds	
Lahore	29.07	738.3	29.80	757.0	83.0	28.3	22	nw.	2.0	0.9			3	n.	e.	0	0		
Roorkee	28.82	732.0	29.70	754.4	86.7	30.4	8	w.	3.0	1.3			0			0	0	blue sky	
Agra	29.20	741.5	29.75	755.6	91.2	32.9	15	nw.	2.0	0.9			0			0	0	blue sky	
gpur	28.67	728.3	29.68	753.9	97.0	36.1	22	calm	0	0			4		w.	0	0		

STATIONS.	Barometer.				Temperature of the air.		Relative humidity.	Wind				Clouds.				Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Corrected for instrumental error and for temperature.		Reduced to sea-level.					Direction.	Velocity.		Force.	Amount and kind. Upper.	Amount and kind. Lower.	Direction. Upper.	Direction. Lower.				
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p.sec.	0–10	0–10	0–10	From	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Jubbulpore	28.43	722.1	29.75	755.7	92.1	33.4	15	nw.	4.0	1.8	...	...	0	...	...	0	0	blue sky	
Lucknow	29.35	745.6	29.72	755.0	90.1	32.3	17	w.	12.0	5.4	...	...	0	...	...	0	0	misty	
Allahabad	29.42	747.1	29.72	754.9	91.7	33.2	12	wnw.	4.0	1.8	...	...	0	...	...	0	0	blue sky	
Patna	29.51	749.6	29.69	754.2	90.2	32.3	16	w.	5.0	2.2	...	...	0	...	...	0	0	blue sky	
Hazaribagh	27.74	704.5	29.71	754.6	86.1	30.1	17	nw.	6.0	2.7	...	...	0	...	...	0	0	misty	
Cuttack	29.68	753.9	29.76	755.9	85.0	29.4	60	e.	...	...	...	...	9	...	...	0	0	d. clouds	
Calcutta, Alipore	29.70	754.4	29.72	755.0	82.0	27.8	71	sse.	10.0	4.5	...	...	2	w.	...	0	0	d. clouds	
Dhubri	29.52	749.9	29.64	752.9	78.0	25.6	77	s.	4.3	1.9	...	...	0	...	...	2.05	52.1	blue sky	
Chittagong	29.70	754.5	29.79	756.8	78.9	26.1	82	ssw.	10.2	4.6	...	...	8	...	...	0	0	gloomy	
Sibsagar	29.40	746.7	29.74	755.4	71.1	21.7	90	ne.	2.0	0.9	...	...	6	w.	w.	1.10	27.9	d. clouds	
Jeypore	28.36	720.5	29.78	756.4	89.2	31.8	13	nnw.	7.0	3.1	...	...	0	...	...	0	0	blue sky	
Zanzibar	29.76	755.8	29.78	756.4	87.4	30.8	57	ene.	8.0	3.6	...	...	2	ene.	...	0	0	d. clouds	
Bellary	28.27	718.0	...	...	97.0	36.1	20	se.	6	2.7	...	0	0	...	...	0	0	blue sky	
Trichinopoly	29.54	750.3	...	...	94.7	34.8	36	se.	0.3	0.1	...	0	0	...	...	0	0	blue sky	
ITALIAN.																			
Udine	29.26	743.3	29.67	753.7	54.9	12.7	33	sw	1.3	0.6	...	...	10	...	...	0.031	0.8	...	Prof. Giovanni Clodig.
Milan	29.19	741.5	29.71	754.6	53.1	11.7	35	nw.	6.3	2.8	...	...	7	ssw.	...	0.067	1.7	...	Prof. G.V.Schiapparelli
Padua	29.56	750.9	29.67	753.7	53.6	12.0	23	ese.	10.5	4.7	...	...	4	e.	...	0	0	...	Prof. Dott. Lorenzoni.
Moncalieri	28.81	731.7	29.71	754.7	51.8	11.0	44	e.	5.6	2.5	...	...	5	se.	...	0.205	5.2	...	Prof. F. F. Denza.
Genoa	29.50	749.3	29.69	754.2	48.2	9.0	48	n.	6.9	3.1	...	...	10	nw.	...	0	0	...	Prof. G. M. Garibaldi.
Pesaro	29.62	752.3	29.67	753.5	50.0	10.0	62	ne.	10.5	4.7	...	...	4	ene.	...	0.126	3.2	...	Prof. Luigi Guidi.
Florence	29.35	745.6	29.61	752.1	53.1	11.7	40	ne.	...	...	6	...	10	...	...	0	0	...	Prof. Costantino Pit ei.
Leghorn	29.53	750.0	29.57	751.1	52.7	11.5	41	ne.	4.9	2.2	...	...	10	...	...	0.181	4.6	...	Prof. P. Monte.
Rome	29.39	746.4	29.56	750.9	50.0	10.0	76	sw	9.4	4.2	...	...	10	...	...	0.075	1.9	...	Prof. P. Tacchini.
Lecce	29.39	746.4	29.64	752.9	58.3	14.6	56	ese.	9.4	4.2	...	...	7	s.	...	0.815	20.7	...	Prof. C. de Giorgi.
Cosenza	28.79	731.2	29.68	753.9	44.2	6.8	75	nnw.	2.5	1.1	...	...	10	w.	...	0.291	7.4	...	Prof. D. Conti.
Palermo	29.43	747.4	29.72	754.8	58.6	14.8	52	wnw.	10.5	4.7	...	...	8	wnw.	...	0.047	1.2	...	Prof. G. Cacciatore
Syracuse	29.66	753.3	29.70	754.4	64.4	18.0	70	w.	23.7	10.6	...	...	10	wsw.	...	0	0	...	Sig. V. Giulu no.
Sub-series.																			
Naples, Astron'l Obs'y	29.07	738.3	...	...	51.1	10.6	74	nne.	3.1	1.4	...	...	10	sw.	...	0.146	3.7	...	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.01	762.1	30.04	763.0	28.8	−1.8	80	calm	...	...	0	0	0	...	...	0	0	clear	H. Hattori.
Awomori	29.94	760.5	29.98	761.5	29.8	−1.2	77	ssw.	9.3	4.2	...	0	0	...	...	0	0	clear	K. Ogawa.
Hakodate	29.94	760.5	29.95	760.8	35.0	1.7	74	w.	6.6	2.9	...	0	2 s	...	...	0	0	clear	Y. Souma.
Hamamatsu	29.98	761.5	30.08	764.0	45.8	7.7	73	calm	...	...	0	0	0	...	...	0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.07	763.8	30.09	764.2	40.2	7.9	75	w.	1.9	0.9	...	0	0	...	...	0	0	clear	Y. Okamoto.
Kagoshima	30.13	765.4	30.15	765.7	56.7	13.7	89	nw.	...	...	2	0	0	...	...	0.130	3.3	clear	
Kanazawa	29.96	761.0	30.07	763.7	41.2	5.1	83	sw.	1.4	0.6	...	0	1 ks	...	...	0	0	fair	S. Endo.
Kioto	29.93	760.2	30.10	764.6	38.7	3.7	96	nw.	0.1	0.04	...	0	0	...	...	0.100	2.5	clear	M. Tojima.
Kochi	30.08	764.1	30.11	764.8	49.8	9.9	59	w.	4.8	2.1	...	0	1 s	...	...	0	0	clear	K. Kusunose.
Miasaka	30.10	764.6	30.13	765.3	51.6	10.9	67	w.	...	...	2	0	0	...	...	0.008	0.2	clear	K. Masusaki &T. Ishitain.
Miyako	29.89	759.3	30.00	762.1	31.9	1.6	57	w.	3.7	1.6	...	0	0	...	...	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.93	760.2	30.14	765.5	49.2	9.6	81	calm	0	0	...	0	4 s	...	...	0.240	6.1	misty	
Nemuro	29.80	756.9	29.85	758.2	29.3	−1.5	69	nnw.	3.0	1.3	...	...	10 s	...	...	0	0	cloudy	A. Shibuya.
Niigata	30.02	762.5	30.06	763.5	35.5	1.9	86	n.	1.4	0.6	...	0	0	...	...	0	0	clear	Satoo & Tomikawa.
Nobiru	30.04	762.9	30.05	763.3	33.7	0.9	71	nnw.	5.3	2.3	...	0	0	...	...	0	0	clear	Yoshino & Midzushina.
Numadzu	29.98	761.5	30.01	762.3	43.9	0.6	78	e.	...	...	2	0	0	...	...	0	0	clear	T. Ohgi.
Osaka	30.08	764.0	30.10	764.4	42.6	5.9	89	ene.	7.1	3.1	...	0	0	...	...	0.015	0.4	clear	H. Omura.
Sakai	30.05	763.3	30.06	763.5	42.5	5.8	90	w.	...	...	2	0	0	...	...	0.094	2.4	clear	Yamawchi & Sakamoto.
Sapporo	29.85	758.1	29.92	759.9	26.3	−3.2	75	calm	0	0	...	0	1 s	...	...	0	0	clear	S. Kimura.
Shimonoseki	29.96	760.9	30.10	764.6	48.9	9.4	71	sw.	...	...	1	...	10 s	...	...	0	0	cloudy	S. Sakano.
Tokei (Obs'y, Yeddo)	29.95	760.7	30.03	762.7	42.0	5.6	91	ssw.	4.4	2.0	...	0	0	...	...	0	0	clear	The Staff.
Wakayama	30.04	762.9	30.09	764.3	44.4	6.9	87	ne;ene.	5.9	2.6	...	0	0	...	...	0.013	0.3	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.68	753.9	29.86	758.4	80.7	27.1	70	ene.	12.0	5.4	...	4cs;0	2 km	w.	ene.	0.19	4.8	fair	The Staff.
MEXICAN.																			
Leon	24.29	617.0	30.02	762.5	53.6	12.0	66	nnw.	0.9	0.4	...	0	0	...	...	0	0	clear	M. Leal & M. Pina
Mazatlan	29.67	753.6	29.93	760.2	64.0	17.8	78	nw.	0.9	0.4	...	4 cs	0	sw.	...	0	0	fair	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.14	765.5	30.14	765.5	43.5	6.4	...	ne.	...	...	4	...	...	...	...	0.035	0.9	...	
Groningen	30.12	765.0	30.17	766.4	41.4	5.2	...	e	...	...	2	...	...	...	...	0.039	1.0	...	
Helder	30.16	766.1	30.16	766.1	42.4	5.8	...	ne.	...	...	4	...	...	...	...	0	0	...	
Hellevoetsluis	30.13	765.4	30.13	765.4	42.6	5.9	80	ene.	...	...	2	...	...	...	...	0	0	...	
Utrecht	30.11	764.8	30.16	766.0	41.5	5.3	87	ene.	...	...	4	...	7	...	...	0.012	0.3	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.84	757.9	...	...	79.2	26.2	89	nnw.	0	0	...	...	9	...	...	0	0	...	Lt. J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.25	768.4	30.32	770.0	43.2	6.2	53	ssw.	20	9	...	...	3	...	...	0	0	...	
Brono	30.17	766.2	30.21	767.2	42.3	5.7	57	s.	...	...	6	...	8	...	...	0	0	...	
Christiania	30.24	768.0	30.39	771.9	37.9	3.3	50	wsw.	7	3	...	...	4	...	...	0	0	...	
Gjæsvær	29.67	753.5	29.69	754.1	35.6	2.0	...	sw.	...	...	9	...	10	...	...	0.528	13.4	light rain	
Lodingen	30.00	762.1	30.05	763.3	32.7	0.4	94	s.	...	...	6	...	10	...	...	0.327	8.3	snowing	
PORTUGUESE.																			
Augra, Azores	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dr. J. A. Sampaio.
Campo Major	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Dr. A. M. R. dos Santos.
Funchal, Madeira	30.07	763.7	30.15	765.9	64.2	17.9	57	sw.	6.3	2.8	...	...	0	...	...	0	0	...	Capt. D. A. de Cunha.
Lisbon, Observatory	29.63	752.5	29.97	761.1	55.8	13.2	65	nw.	15.4	6.9	...	...	10	...	...	0	0	...	The Staff.
Ponta Delgada, Azores	30.28	769.0	30.35	770.8	59.4	15.2	55	nne	14.3	6.4	...	...	4	...	...	0.047	1.2	...	
Saint Paul de Loando	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
St. Vincent, Cape Verd Ids.	29.98	761.5	30.02	762.4	69.3	20.7	65	ne.	...	...	5	...	9	...	...	0	0	...	
San Salvador, Congo	28.02	711.8	29.85	758.1	78.6	25.9	69	sw.	...	...	2	...	7	...	...	0.976	24.8	...	
Serra da Estrella	25.12	737.9	29.89	759.1	41.5	5.3	89	wnw.	4.3	1.9	...	...	10	...	...	0	0	foggy	
RUSSIAN.																			
Akmolinsk	29.20	741.7	30.38	771.6	13.5	−10.3	93	ne.	13	6	...	0	1 s	...	...	0	0	light clouds	Major K. Lasarew.
Archangel	30.31	769.8	30.33	770.3	21.2	−6.0	71	ene.	4	2	...	...	10	...	...	blank	blank	light clouds	Capt. Ssellwerstow
Ashurada	30.29	769.4	30.20	767.0	56.8	13.8	60	wnw.	4	2	...	...	10	...	...	0	0	light clouds	
Astrakhan	30.44	773.2	30.36	771.2	39.7	4.3	41	e.	18	8	...	0	4 s	...	...	...	...	light clouds	Capt. Wisganow.
Baku	30.31	769.9	30.26	768.7	49.6	9.8	80	s.	13	6	...	2 ck	0	...	...	0	0	...	
Barnaul	29.85	758.2	30.39	772.0	17.4	−8.1	88	sw.	2	1	...	...	5	...	...	0	0	light clouds	Meteorological Office.
Bielosersk	29.87	758.7	30.35	771.0	39.7	4.3	57	sse.	2	1	...	...	10 s	...	...	0.035	0.9	...	
Dorpat	30.02	762.5	30.27	768.9	37.8	3.2	83	ene.	9	4	...	...	10 ks	...	...	0	0	...	Rosenthal.
Ekaterinburg	29.39	746.5	30.41	772.5	25.9	−3.4	39	s.	4	2	...	10 cs;ck	0	...	...	0	0	...	Meteorological Obs'y.
Elissawetgrad	29.41	747.1	29.88	758.9	36.5	2.5	84	ese.	18	8	...	...	10 s;n	...	...	0.110	2.8	...	
Kasan	30.20	767.1	30.49	774.4	32.2	0.1	67	ssw.	7	3	...	...	10	...	...	0	0	...	Observatory.
Kem	30.35	771.0	30.41	772.3	23.7	−4.6	70	ne.	9	4	...	...	7 k	...	...	blank	blank	...	
Kertch	29.77	756.2	29.80	756.8	49.8	9.9	74	se.	4	2	...	0	1 s	...	...	0	0	...	Lagorio & Sastyrew.
Kieff	29.24	742.6	29.89	759.3	36.3	2.4	75	e.	9	4	...	...	10 n	...	...	0.157	4.0	...	Observatory.
Koslov	29.84	757.9	30.38	771.6	27.5	−2.5	67	sse.	23	6	...	0	0	...	...	0	0	...	
Lgov	29.51	749.5	30.12	765.1	32.5	0.3	64	ese.	20	9	...	...	6	...	...	0.016	0.4	...	R. I. Ssaweljew, En ign.
Libau	30.15	765.9	30.18	766.5	41.0	5.0	78	ene.	9	4	...	...	10	...	...	0	0	...	I. Quass
Lugan	29.90	759.5	30.11	764.9	30.4	−0.9	78	e.	22	10	...	...	10	...	...	0	0	...	Meteorological Obs'y
Moscow	29.80	756.8	30.30	769.5	36.3	2.4	65	s.	4	2	...	0	5 ks	...	...	0	0	...	Meteorological Obs'y
Nertschinsk	27.73	704.3	30.26	768.7	0.9	−17.3	47	nw.	9	4	...	...	2	...	...	0	0	light clouds	
Nikolaiev	29.71	754.6	29.78	756.4	40.1	4.5	94	e.	9	4	...	...	10 n	...	...	0.063	1.6	...	Capt. Kurdakow.

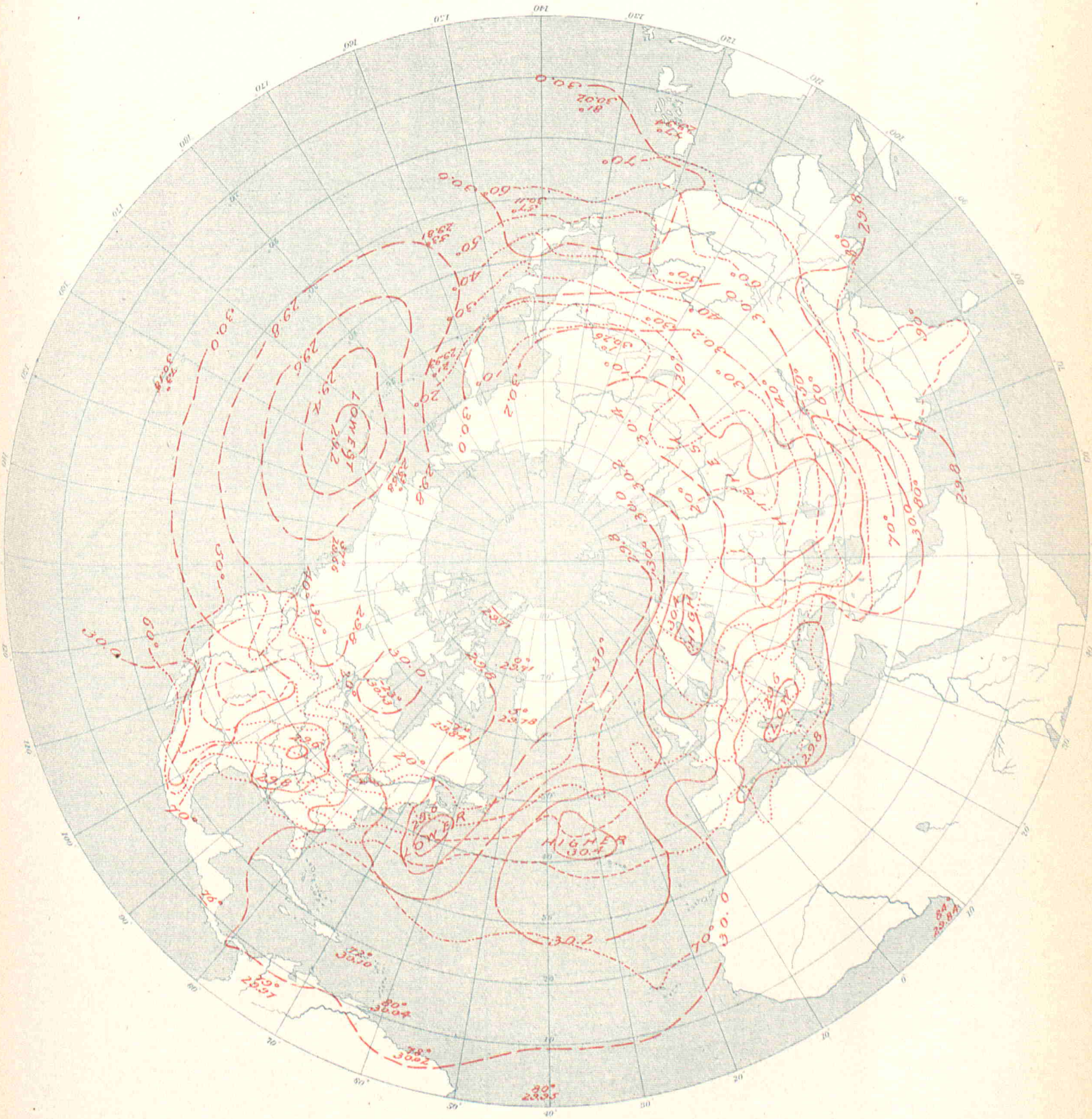
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.10	764.5	30.19	766.7	7.9	—13.4	85	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.81	757.2	29.95	760.8	50.4	10.2	50	calm	0	0	.....	0	0	.....	.....	0	0	.....	**Siang.**
Petro-Alexandrovsk	30.15	765.7	30.51	775.0	41.7	5.4	49	n.	4	2	.....	c	3 k	.....	.....	.....	.....	.....	**Walter.**
Petrozavodsk	30.12	765.0	30.32	770.2	33.4	0.8	85	se.	7	3	.....	0	8 k	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.39	746.6	29.90	759.4	41.9	5.5	74	e.	18	8	.....	0	8 ks	.....	.....	0.343	8.7	.....	
Poti	29.82	757.5	29.85	758.3	61.0	16.1	83	e.	16	7	.....	.....	6 ks	.....	.....	0	0	.....	
St. Petersburg	30.28	769.0	30.30	769.6	35.6	2.0	84	ene.	9	4	.....	0	8 n	.....	.....	0.020	0.5	.....	Central Physical Obs'y.
Samarkand	27.82	706.7	30.36	771.1	45.3	7.3	54	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	**Dresch.**
Semipalatinsk	29.74	755.4	30.47	774.0	7.0	—13.9	84	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.50	749 3	29.71	754.6	57.7	14.3	74	se.	4	2	.....	.....	10 n	.....	.....	.....	.....	.....	
Staroi Hykhov	29.46	748.2	30.02	762.6	43.2	6.2	65	ese.	11	5	.....	10 cs	0	.....	.....	0.039	1.0	light clouds	**Carl Hagen.**
Tashkend, Laboratory	28.66	727.9	30.40	772.1	40.1	4.5	60	w.	4	2	.....	.....	8 s	.....	.....	.....	.....	.....	
Tiflis	28.78	731.1	30.24	768.1	46.6	8.1	70	se.	2	1	.....	.....	10	.....	.....	inap.	inap.	.....	Terch, A. M.
Vernoe	27.48	698.1	30.05	763.3	39.4	4.1	70	calm	0	0	.....	.....	9 n	.....	.....	.....	.....	.....	Physical Observatory
Viatka	29.77	756.1	30.43	772.9	32.4	0.2	61	calm	0	0	.....	.....	5	.....	.....	0.031	0.8	.....	**Lariono.**
Vladivostock	29.76	756.0	29.83	757.7	33.3	0.7	80	e.	9	4	.....	.....	6 s	.....	.....	0	0	.....	
Warsaw	29.42	747.3	29.85	758.3	39.7	4.3	84	ne.	20	9	.....	.....	10 ks	.....	.....	.....	.....	h'vy clouds	
Yeniseisk	30.25	768.4	30.56	776.2	26.8	— 2.9	54	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Astronomical Obs'y.
Sub-series.																			M. O. Marks.
Petrowsky Academy	29.65	753.1	30.18	766.6	36.3	2.4	57	ase.	.....	.....	.....	0	8	.....	se.	0	0	fair	**Bachmetieff.**
SPANISH.																			
Barcelona, Met. Obs'y	29.72	755 0	29.84	757 8	52.9	11.6	68	s.	.....	.....	.....	4 c	0	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.93	760.2	29.99	761.7	56.1	13.4	46	se.	1.3	0.6	.....	0	0	.....	.....	0.079	2.0	clear	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.92	683 8	29.91	759.8	48.2	9.0	53	e.	8.7	3.9	.....	.....	1	.....	.....	0	0	almost clear	Domingo Martin.
Madrid, Royal Obs'y	27.62	701.6	29.83	757.7	57.6	14.2	44	sw.	3.6	1.6	.....	0	0	.....	.....	0	0	clear	The Staff.
Murcia, Met. Obs'y	29.66	753.3	29.80	756.9	69.4	20.8	66	s.	1.6	0.7	.....	3	3	ene.	.....	0	0	clouds	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.97	735.9	29.87	758.6	55.9	13.3	54	nw.	3.8	1.7	.....	.....	9	.....	.....	0	0	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.98	761.6	30.05	763.3	73.4	23.0	88	e.	1.8	0.8	.....	0	k	.....	.....	0	0	clear	**Benito Vines, S. J.**
Manilla, Philippine Islands	29.88	759.0	29.94	760.5	77.4	25.2	66	ese.	5.5	2.5	.....	0	s	.....	.....	0	0	clear	**F. F. Faura, S. J.**
San Fernando, Naval Obs'y	29.88	758 9	29.98	761.4	59.7	15.4	83	w.	4.7	2.1	.....	0	7	.....	sw.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I	30.00	762.1	30.10	764.4	72.3	22.4	88	calm	0	0	.....	1 k	5 k	se.	se.	0	0	.....	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.30	769 6	30.34	770.6	21.4	— 5.9	90	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Umea	30.35	771.0	30.41	772.3	29.8	— 1.2	92	sw.	.....	.....	2	.....	4	.....	.....	0	0	.....	
Hernosand	30.30	769 5	30.35	770.8	32.7	0.4	68	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Stockholm	30.22	767.5	30.39	772.0	31.1	— 0.5	73	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Wisby	30.17	766 3	30.23	767.8	34.9	1.6	85	ne.	.....	.....	6	.....	10	.....	.....	.....	.....	rain & snow	
Sub-series.																			
Upsala	30.31	769.9	30.40	772.1	30.7	— 0.7	71	n.	7.6	3.4	.....	.....	10	.....	ne.	0	0	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.44	722.3	29.90	759.4	42.4	5.8	47	n.	.....	.....	4	.....	5	.....	.....	0	0	fair	
TURKISH.																			
Constantinople	.....	.....	29.73	755.2	61.0	16.1	63	sw.	9	4.0	.....	.....	4	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.807	756.97	52.3	11.3	.....	se.	.....	.....	3	.....	8	.....	.....	1.02	26.	¾ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.90	759.5	62.1	16.7	78	sw.	.....	.....	3	.....	10 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	29.95	760.7	30.04	763.0	44	6.7	65	w	4	1.8	.....	3 cs	1 s;hz	w.	w.	0	0	fair	J. O. Barnes.
Alpena, Michigan	29.26	743.2	29.96	761.0	27.3	— 2.6	88	calm	0	0	.....	0	0	.....	.....	0.01	0.3	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.01	635 2	30.03	762 7	24.8	— 4.0	84	ne.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assiniaboine, Ft., Montana	26.90	683 2	29.92	760.0	32.1	0.1	67	sw.	16	7.2	.....	0	0	.....	.....	0	0	clear	**J.J.O'Connor.**
Atlanta, Georgia	28.78	731.0	29.98	761.5	62.0	16.7	87	s.	8	3.6	.....	.....	10 s	.....	sw.	0	0	cloudy	S. W. Beall
Atlantic City, New Jersey	30.02	702 5	30.03	762 7	43.0	6.1	74	n	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	**B.A.Blundon.**
Baltimore, Maryland	30.04	763.0	30.03	762.7	62.8	17.1	85	calm	0	0	.....	7 cs	3 k	.....	.....	0	0	cloudy	W.J.Evans.
Barnegat City, New Jersey	30.03	762.7	30.09	764.3	48.3	9.1	74	e.	2	0.9	.....	2 cs;hz	0	sw.	.....	0.01	0.3	clear	Geo W. Folger.
Bennett, Fort, Dakota	30.05	763.3	30.05	763.3	42.0	5.6	82	n.	5	2.2	.....	hz.	hz.	.....	.....	0	0	dense haze	**J.P.Sherry.**
Benton, Fort, Montana	28.26	717.8	29.96	761.0	27.6	— 2.4	81	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	A. Pritchard
Bismarck, Dakota	26.90	683 2	29.88	758.9	32.1	0.1	83	calm	0	0	.....	0	4 s	.....	sw.	0	0	fair	**U.S.Bennett.**
Block Island, Rhode Island	28.00	711 2	29.92	760.0	26.6	— 3.0	80	e.	2	0.9	.....	0	0	.....	.....	0	0	clear	**B. O. Lenoir.**
Boise City, Idaho	29.95	760.7	29.98	761.5	40.0	4.4	82	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. T. Elker.
Boston, Massachusetts	26.97	685.0	29.89	759 2	46.7	8.2	49	se.	10	4.5	.....	0	3 s	.....	.....	0	0	clear	**James Kenealy.**
Brownsville, Texas	29.79	756 7	29.95	760 7	42.5	5.8	74	w.	7	3.1	.....	7 cs	hz.	w.	.....	0	0	fair	O. B. Cole.
Buffalo, New York	29.74	755.4	29.80	756.9	73.0	22.8	97	sw.	6	2.7	.....	.....	10 s	.....	sw.	0	0	cloudy	John McGlone.
Buford, Fort, Dakota	29.26	743.2	30.05	763.3	35.2	1.8	88	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	**D.Cuthbertson.**
Cairo, Illinois	27.70	703.6	29.86	758.4	33.4	0.8	78	ne.	7	3.1	.....	4 k	0	w.	.....	0	0	fair	A. Schneider.
Canby, Fort, Washington Ter	29.31	744 5	29.73	755.1	59.0	15.0	87	s.	20	8.9	.....	.....	10 n	.....	s.	0.58	14.7	heavy rain	W. H. Ray.
Cape Henry, Virginia	29.60	751.8	29.80	756.9	42.0	5.5	93	s.	9	4.0	.....	.....	10 n	.....	.....	0.39	9.9	heavy rain	**J.H.Young.**
Cape May, New Jersey	30.02	762.5	30.04	763.0	51.0	10.6	93	nw.	2	0.9	.....	.....	10 s	.....	.....	1.13	28.7	cloudy	A. K. Alderson.
Cape Mendocino, California	30.03	762.7	30.06	763 5	42.0	5.6	93	ne.	4	1.8	.....	0	0	.....	.....	0.06	1.5	clear	W.E.Smith.
Cedar Keys, Florida	29.18	741.2	29.87	758 7	40	4.4	82	se.	8	3.6	.....	0	6 s	.....	se.	0.24	6.1	fair	**A. P. Leavitt.**
Charleston, S. Carolina	30.01	762.2	30.03	762.7	71.5	21.9	94	s.	2	0.9	.....	5 ck	4 k	sw.	s.	0	0	cloudy	G. W. Davis.
Charlotte, N. Carolina	29.91	759.7	29.97	761.2	65.2	18.4	93	sw.	4	1.8	.....	8 c	2 s	.....	.....	0	0	cloudy	J. H. Smith.
Chattanooga, Tennessee	29.15	740.4	30.03	762.7	60.8	16.0	82	se.	4	1.8	.....	5 c	fg	w.	.....	0.07	1.8	fair	D. O'Donoghue.
Cheyenne, Wyoming	29.07	738.4	29.92	760.0	57.0	13.9	80	e.	7	3.1	.....	.....	10 ks;fg	.....	sw.	0	0	cloudy	B. L. Gouldine.
Chicago, Illinois	23.86	606.0	30.06	763.5	24.8	— 4.0	58	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chincoteague, Virginia	29.05	737.9	29.79	756.7	43.0	6.1	88	e.	9	4.0	.....	.....	10 n	.....	e.	0.25	6.3	heavy rain	Wm. Norrington.
Cincinnati, Ohio	30.03	762.7	30.05	763.3	45.4	7.4	81	ne.	7	3.1	.....	hz.	0	.....	.....	0.30	7.6	clear	C. F. Dickens.
Cleveland, Ohio	29.19	741.4	29.88	758.9	57.8	14.3	67	e.	6	2.7	.....	.....	10 s	.....	e.	0	0	cloudy	L. Dunne.
Columbus, Ohio	29.20	741.7	29.98	761.5	44.8	7.1	65	se.	12	5.4	.....	4 ck	2 s	w.	se.	0	0	fair	**W. Line.**
Concho, Fort, Texas	29.02	737.1	29.91	759 7	51.2	10.7	65	ne.	10	4.5	.....	0	7 ks	.....	sw.	0	0	fair	F.T. Williams.
Custer, Fort, Montana	28.07	713 0	30.04	763.0	45.9	7.7	49	nw.	16	7.2	.....	0	0	.....	.....	0	0	clear	C. E. King.
Davenport, Iowa	26.62	676.1	29.95	760.7	28	— 2.2	77	se.	3	1.3	.....	0	0	.....	.....	0	0	clear	**W.J.Daily.**
Davis, Fort, Texas	28.97	735.8	29.66	753.4	44.5	6.9	88	ne.	11	4.9	.....	.....	10 n	.....	.....	0.75	19.0	thund'r st'm	R. R. Martin.
Dayton, Washington T'y	25.18	639 6	30.05	763.3	41.4	5.2	66	ne.	16	7.2	.....	0	0	.....	.....	0	0	clear	J. Williams.
Deadwood, Dakota	28.03	711.9	29.85	758.2	37.9	3.3	80	sw.	9	4.0	.....	0	0	.....	.....	0	0	clear	**T.Gibson.**
Delaware Breakwater, Del.	25 18	639 6	30.02	762.5	33.0	0.6	81	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	**G.W.Scott.**
Denver, Colorado	30.05	763.3	30.07	763.8	40.6	4.8	100	ne.	2	0.9	.....	hz.	fg.	.....	.....	0.04	1.0	clear	**G.A.Martin.**
Des Moines, Iowa	24.61	625.1	30.05	763.3	30.5	— 0.8	68	s.	7	3.1	.....	0	0	.....	.....	inap.	inap.	clear	F. M. Neal.
Detroit, Michigan	28.71	729.2	29.67	753.6	44.3	6.8	73	ne.	8	3.6	.....	.....	10 s	.....	ne.	0.04	1.0	cloudy	F. W. Conrad.
Dodge City, Kansas	29.24	742.7	29.99	761.7	43.0	6.1	68	e.	5	2.2	.....	10 cs	0	.....	.....	0	0	cloudy	**N.B.Conger.**
Dubuque, Iowa	27.21	691.1	29.94	760.5	40.2	4.6	82	nw.	12	5.4	.....	0	5 s	.....	n.	0.13	3.3	fair	**J.E.Lanouette.**
Duluth, Minnesota	28.97	735.8	29.72	754.9	44.2	6.8	86	e.	4	1.8	.....	.....	10 n	.....	se.	0.08	2.0	light rain	J. Harvey Smith
Eastport, Maine	29.05	737.9	29.84	757.9	32.6	0.3	84	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	E.R.Bruce.
Elliott, Fort, Texas	27 09	688.1	29.92	760.0	39.0	3.9	65	nw.	11	4.9	.....	8 ck	0	nw.	.....	0.04	1.0	cloudy	D. C. Murphy.
El Paso, Texas	26.28	667.5	30.08	764 0	41.1	5.1	82	nw.	23	10.3	.....	0	2 s	.....	nw.	0	0	clear	J. C. Rickli.
Erie, Pennsylvania	29.26	743.2	30.03	762.7	36.8	2.7	63	nw.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	**F.Belford.**
Escanaba, Michigan	29.17	740.9	29.88	758.9	40.0	4.4	82	s.	8	3.6	.....	0	0	.....	.....	0	0	clear	**P.Wood.**
Fort Smith, Arkansas	29.16	710 7	29.65	753.1	31.0	— 0.6	88	s.	3	1.3	.....	.....	fg.	.....	.....	0	0	dense fog	L.M.Pindell.
Galveston, Texas	29.81	757.2	29.85	758.2	56.4	13.6	63	w.	10	4.5	.....	0	0	.....	.....	0.70	17.8	clear	J. B. Campbell.
Grand Haven, Michigan	29.17	740.9	29.87	758.7	70.0	21.1	95	sw.	6	2.7	.....	0	7 ks	.....	w.	0.03	0.8	fair	E. O'C. Macinerney
Grant, Fort, Arizona	25.21	640.3	30.04	763.0	40.5	4.7	82	ne.	4	1.8	.....	.....	10 s	.....	ne.	0	0	cloudy	**Joseph E. Mueller.**
Hatteras North Carolina	30.02	762.5	30.03	762.7	53.2	11.8	93	calm	0	0	.....	hz.	0	.....	.....	0.65	16.5	clear	R. M. Crawford
																0.06	1.5	clear	**Chas. A. Read.**

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.67	652.0	29.99	761.7	37	2.8	72	calm	0	0	.....	5 cs	3 s	.....	.....	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.42	721.9	29.90	759.4	28.4	— 2.0	96	n.	7	3.1	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	S. W. Glenn.
Indianapolis, Indiana	28.93	734.8	29.77	756.1	57.0	13.9	72	se.	4	1.8	.....	.....	10 s	.....	se.	0.02	0.5	threatening	C. F. R. Wappenhans
Indianola, Texas	29.82	757 4	29 86	758.4	67.0	19.4	80	n.	22	9.8	.....	.....	10 ks	.....	n.	inap.	inap.	cloudy	I. A. Reed.
Jacksonville Florida	29.98	761.5	30.03	762.7	72.0	22.2	90	sw.	1	0.4	.....	5 cs	0	sw.	.....	0	0	fair	J. W. Smith.
Keokuk, Iowa	28.88	733.5	29.57	751.1	47.0	8.3	95	ne.	4	1.8	.....	.....	fg.	.....	.....	0.59	15.0	dense fog	F. Z. Gosewisch.
Key West, Florida	30.02	762.5	30.04	763.0	76.4	24.7	88	s.	4	1.8	.. ..	0	0	.. ..	.....	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.03	762.7	30.05	763.3	54.0	12.2	98	w	8	3.6	.....	4 ck	0	w.	.....	0.47	11.9	fair	Wesley Blake.
Knoxville, Tennessee	28.89	733.8	29.95	760.7	53.2	11.8	91	ne.	4	1.8	.....	9 cs	0	sw.	.....	0	0	cloudy	J. A. Cody.
La Crosse, Wisconsin	28.97	735.8	29.79	756.7	38.5	3.6	78	n.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	S. C. Emery.
Leavenworth, Kansas	28.70	729.0	29.64	752.8	44	6.7	96	nw.	10	4.5	.....	.....	fg.	.....	.....	0.51	13.0	dense fog	C. Dill.
Lewiston, Idaho	28.96	735.6	29.82	757.4	42.0	5.6	65	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.35	745.5	29.68	753.9	61.0	16.1	93	sw.	8	3.6	.....	0	3 s	.....	.....	0.64	16.3	clear	W. U. Simons.
Los Angeles, California	29.67	753.6	30.07	763.8	43.0	6.1	80	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	T. S. Collins.
Louisville, Kentucky	29.22	742.2	29.81	757.2	60.1	15.6	79	s.	8	3.6	.....	.....	10 s	.....	sw.	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.33	745.0	30.05	763.3	47.0	8.3	96	calm	0	0	.....	.....	fg.	.....	.....	0.23	5.8	dense fog	Jno. Healy.
Mackinaw City, Michigan	29.23	742.4	29.93	760.2	33.0	0.6	78	s.	2	0.9	.....	3 cs	0	.....	.....	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	30.03	762.7	30.04	763.0	59.0	15.0	90	se.	1	0.4	.....	0	5 k	.....	w.	0.03	0.8	fair	William Daly.
Maginnis, Fort, Montana	25.32	643.1	29.92	760.0	30.7	— 0.7	52	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.10	739.1	29.88	758.9	36.5	2.5	80	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.28	743.7	29.63	752.6	66.2	19.0	93	se.	7	3.1	.....	.....	10 n	.....	s.	0.31	7.9	thnd'r storm	D. T. Flannery.
Milwaukee, Wisconsin	29.05	737.9	29.84	757.9	37.2	2.9	83	ne.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	29.86	758.4	29.90	759.4	67.4	19.7	98	s.	9	4.0	.....	.....	fg.	.....	.....	0.11	2.8	dense fog	H. U. Jones.
Montgomery, Alabama	29.67	753.6	29.91	759.7	67.8	19.9	92	s.	5	2.2	.....	10 cs	0	sw.	.....	0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.82	732 0	29.90	759.4	24	— 4.4	88	ne.	6	2.7	.....	.....	fg.	.....	.....	0	0	dense fog	H. Bessant.
Mt. Washington, N. H	23.53	597.7	30.05	763.3	18.0	— 7.8	96	nw.	60	26.8	.....	. .....	fg.	.....	nw.	0.04	1.0	dense fog	J. H. Melton.
Nashville, Tennessee	29.10	740 7	29.76	755 9	60.2	15.7	83	e.	8	3.6	.....	.....	10 ks	.....	s.	0	0	threatening	L. N. Jesunofsky
New Haven, Connecticut	29.92	760.0	30.04	763.0	42	5.6	65	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. H. Sherman.
New London, Connecticut	29.96	761.0	30.01	762.2	45.0	7.2	60	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	29.82	757.4	29.88	758.9	72.5	22.5	90	sw.	8	3.6	.....	.....	10 ks	.....	sw.	0	0	cloudy	M. Herman.
New York, New York	29.88	758.9	30.06	763.5	44.2	6.8	71	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	W. Finn.
Norfolk, Virginia	30.00	762.0	30.03	762.7	54.7	12.6	88	calm	0	0	.....	3 c	0	sw.	.....	1.35	34.3	clear	Wm. Davis.
North Platte, Nebraska	26.90	683.2	29.96	761.0	31.6	— 0.2	78	w.	6	2.7	.....	0	0	.....	.....	0.06	1.5	clear	E. F. Brady.
Olympia, Washington Ter	29.82	757.4	29.86	758.4	42.0	5.6	92	s.	3	1.3	.....	.....	10 s	.....	.....	0.14	3.6	cloudy	J. Dascomb
Omaha, Nebraska	28.51	724.1	29 76	755.9	40.0	4.4	100	n.	12	5.4	.....	.....	10 n	.....	n	0.55	14.0	heavy rain	A. Pollak
Oswego, New York	29.71	754.6	30.05	763.3	38.4	3.6	84	w.	2	0.9	.....	hz.	hz.	.....	.....	0	0	clear	J. G. Linsley.
Palestine, Texas	29.30	744.2	29.87	758.7	62.4	16.9	50	w.	11	4.9	.....	0	3 s	.....	.....	0	0	clear	P. T. Jenkins.
Pensacola, Florida	29.90	759.4	29.93	760.2	69.3	20.7	99	s	8	3.6	.....	5 ck	2 s	sw.	sw.	0	0	fair	M. McGauran.
Philadelphia, Pa	29.98	761.5	30.08	764.0	46.0	7.8	68	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.56	446.0	30.15	765.8	— 2.0	—18.9	79	nw.	20	8.9	.....	0	0	.....	.....	0.07	1.8	clear	H. Hall.
Pittsburg, Pennsylvania	29.16	740.7	30.01	762.2	40.2	7.9	77	ne.	4	1.8	.....	8 cs.	0	w.	.....	0	0	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	30 3	— 0.9	.....	.....	.....	.....	.....	0	0	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.23	742.4	29.95	760.7	36.2	2.3	89	s.	4	1.8	.....	2 c	3 s	.....	.....	0	0	fair	M. H. Perry
Portland, Maine	29.86	758.4	29.91	759.7	41.8	5.4	68	w.	2	0.9	.....	hz.	0	.....	.....	0	0	clear	W. W. Eichelberger.
Portland, Oregon	29.76	755.9	29.83	757.7	42.2	5.7	88	s.	1	0.4	.....	.....	10 s	.....	.....	0.14	3.6	cloudy	M. L. Hearne.
Prescott, Arizona	24.68	726.9	30.08	764.0	28.0	— 2.2	84	calm	0	0	.....	0	0	.....	.....	0	0	clear	N. D. Lane.
Provincetown, Mass	29.89	759.2	29.92	760 0	39.9	4.4	77	nw.	12	5.4	.....	2 c	0	.....	.....	0	0	clear	C. N. Kitchel.
Red Bluff, California	29.48	748.8	29.86	758.4	43	6.1	100	n.	6	2.7	.....	.....	10 n	.....	.....	0.63	16.0	light rain	J. R. Williams.
Rio Grande City, Texas	29.67	753.6	29.91	759.7	73.0	22.8	30	n.	18	8.0	.....	0	5 s	.....	n.	0	0	fair	L. G. Schultz.
Rochester, N. Y	29.37	746.0	30.07	763.8	35	1.7	89	sw.	7	3.1	.....	0	hz.	.....	.....	0	0	clear	E. W. McGann.
Roseburg, Oregon	29.30	744.2	29.86	758.4	38	3.3	89	e.	2	0.9	.....	0	2 s	.....	sw.	0.11	2.8	clear	J. J. Nanry.
Sacramento, California	29.80	750.9	29.87	758.7	47.4	8.6	91	w.	7	3.1	.....	.....	10 n	.....	sw.	0.47	11.9	light rain	J. A. Barwick.
St. Louis, Missouri	29.01	736.8	29.66	753.4	56.7	13.7	88	s.	11	4.9	.....	.....	10s;ks	.....	s.	0.62	15.7	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.64	752.8	29.68	753.9	3	—16.1	91	ne.	10	4.5	.....	0	0	.....	.....	0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	28.88	733.5	29.79	756.7	40.0	4.4	77	se.	2	0.9	.....	6 cs	2 s	sw.	.....	0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	28.97	735.8	29 91	759.7	13	—10.6	83	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	C. B. Dilley.
Salt Lake City, Utah	25.52	648.2	30.04	763.0	39.5	4.2	57	se.	4	1.8	.....	1 k	0	s.	.....	inap.	inap.	clear	J. Craig.
San Diego, California	30.00	762.0	30.07	763.8	44.4	6.9	88	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear	F. R. Day.
Sandusky, Ohio	29.26	743.2	29.98	761.5	40	7.8	80	se.	7	3.1	.....	.....	10 ks	.....	se.	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	30.04	763.0	30.06	763.5	42.0	5.6	74	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	V. P. Chappel.
Sanford, Florida	29.98	761.5	30.04	763.0	68.0	20.0	84	sw.	4	1.8	.....	0	fg.	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.78	756.4	29.85	758.2	48.8	9.3	91	se.	8	3.6	.....	.....	10 s	.....	sw.	0.72	18.3	threatening	N. Gorom.
Savannah, Georgia	29.90	759.4	29.99	761.7	69.8	21.0	85	sw.	6	2.7	.....	1 c	fg.	s.	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	29 13	663.7	29.93	760.2	30.5	— 0.8	76	w	2	0.9	.....	0	0	.....	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.57	751.1	29.74	755.4	63.4	17.4	67	w.	9	4.0	.....	0	6 s	.....	w.	0.04	1.0	fair	E. N. Meekins.
Sitka, Alaska	29.59	751.6	29.66	753.4	37.4	3.0	75	se.	2	0.9	.....	.....	10 n	.....	se.	1.20	30.5	light rain	F. W. Fickett.
Smithville North Carolina	29.98	761.5	30.02	762.5	59.6	15.3	94	e.	8	3.6	.....	5 c	0	w.	.....	0	0	fair	O. Parker.
Spokane Falls, Wash. Ter.	27.71	703.8	29.84	757.9	31.8	— 0.1	84	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	28.95	735.3	29.67	753.6	51.7	10.9	84	e.	9	4.0	.....	2 ck	7 s	sw.	sw.	0.39	9.9	cloudy	T. B. Jennings.
Stockton, Fort, Texas	27.00	685.8	30.08	764.0	40.2	4.6	58	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.68	753.9	29.78	756.4	43.0	6.1	85	sw.	9	4.0	.....	.....	10 n	.....	sw.	0.27	6.9	light rain	R. Connor.
Thomas, Camp, Arizona	27.29	693 2	30.07	763.8	32.8	0.4	65	nw.	.....	.....	1	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.21	741.9	29.94	760.5	45.2	7.3	82	n.	3	1.3	.....	.....	10 s	.....	w.	0	0	threatening	A. Buell.
Unalashka, Alaska	29.05	737.9	29.07	738.4	38	3.3	82	s.	8	3.6	.....	0	6 s	.....	.....	0.16	4.1	fair	Samuel Applegate.
Vicksburg, Mississippi	29.52	749.8	29.78	756.4	69	20.6	84	s.	15	6.7	.....	.....	10 s	.....	sw.	0	0	cloudy	F. W. Mixer.
Washington, D. C	29.98	761.5	30.10	764.5	46.4	8.0	82	ne.	2	0.9	.....	0	hz.	.....	.....	0.07	1.8	clear	T. B. Harrison.
West Las Animas, Colorado	25.94	658.9	30.01	762.2	29.7	— 1.3	78	nw.	12	5 4	.....	0	0	.....	.....	0.84	21.3	clear	F. H. Brandenburg.
Wilmington, N Carolina	29.98	761.5	30.04	763.0	61.0	16.1	86	se.	6	2.7	.....	2 c	2 s	.....	.....	0.02	0.5	fair	L. H. Albrecht.
Yankton, Dakota	28.46	722.9	29.85	758.2	37.0	2.8	87	nw.	2	0.9	.....	7 c	0	nw.	.....	0.07	1.8	fair	E. H. Thompson.
Yuma, Arizona	29.86	758.4	30.01	762.2	49.1	9.5	77	se.	2	0.9	.....	0	0	.....	.....	0	0	clear	W. S Delano.
(Sub-series).																			
Behring Island, Kamchatka	29.91	759.7	29.93	760.2	21.3	— 5.9	68	w.	8	3.6	.....	.....	10 n	.....	.....	0	0	cloudy	George Cherulck.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	80	26.7	.....	ne.	.....	.....	3	0	8 n	.....	ne.	0	0	cloudy	W. P. Jackson.
Bogota, U. S. C	22.01	559.1	.....	.....	53.6	12.0	93	sw.	2	1	.....	2 cs	3 k	ne.	sw.	0.130	3.3	.. ..	Joaquim Gomez.
Ohimo, Fort, Ungava	29.68	753 9	29.84	757.9	— 7	—21.7	100	calm	0	0	.....	10 ck	0	s.	.....	0.01	0.3	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.06	763.5	72.4	22.4	81	calm	0	0	.....	0	1 ks	.....	e.	0.01	0.3	clear	Robert Johnston.
Paramaribo, S. A	30.02	762.5	30.02	762.5	78	25.6	86	ne.	.....	.....	3	.....	8 ks	e.	e.	1.000	25.4	cloudy	Dr. C. J. Herine.
Puerto Berrio, U. S. C	29.41	747.0	29.97	761.2	79	26.1	89	calm	.....	.....	0	.....	9 ks	.....	s.	0.06	1.5	cloudy	Francesco J. Cisneros.
Rivas, Nicaragua, C. A	.....	.....	.....	.....	76	24.4	84	ne.	.....	.....	1	.....	5 ks	.....	ne.	0	0	fair	Earl Flint.
York Factory, B. A	30.06	763.5	30.13	765.3	—23.0	—30.6	.....	nw.	10	4.5	.....	3 k	3 s	nw.	nw.	0	0	cloudy	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.01	762.3	30.02	762.6	77.4	25.2	83	n	4.0	1.8	.....	.....	6 k	.....	n.	0	0	.....	P. Fasiani.
Naos, Bay of Panama	29.91	759.7	29.98	761.4	73.0	22.8	91	nw.	.....	.....	3	.....	1 ck	.....	ne.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No 1—North Atlantic.																		
S. S. Alvo, N. 26° 40′, W. 74° 03′	30.16	766.1	72	22.2	.....	ssw.	.....	.....	4	.....	4	.....	s.	0	0	cross	se.	fair.
S. S. Arizona, N. 48° 52′, W. 26° 54′	30.35	770.9	40	4.4	.....	nnw.	.....	.....	4–6	.....	8	.....	nw.	0	0	high	nw.	squally.
S. S. Adriatic, N. 45° 49′, W. 36° 34′	30.48	774.2	.....	.....	.....	wsw.	.....	.....	4	.....	.....	.....	sw.	.....	.....	sm'h	sw.	fine.
S. S. America, N. 41° —′, W. 26° —′*	30.41	772.4	57	13.9	81	nw.	.....	.....	2	.....	3	.....	nw.	0	0	sm'h	.....	fair.
S. S. Athos, Port Limon, Costa Rica, C. A	.....	.....	.....	.....	.....	ne.	.....	.....	2	.....	0	.....	.....	0	0	long	ne.	clear.
S. S. City of Augusta, New York, N. Y	.....	.....	.....	.....	.....	nnw.	.....	.....	2	.....	4	.....	n.	0	0	.....	.....	clear.
S. S. Caracas, N. 33° 10′, W. 71° 50′ *†	30.10	764.5	69	20.6	75	n.	.....	.....	5.5	.....	0	.....	.....	1 h'r	1 h'r	cross	w.n	clear.
S. S. Donau, N. 40° 59′, W. 55° 31′	29.80	756.9	.....	.....	.....	s.	.....	.....	6	.....	10	.....	s.	14 h'r	14 h'r	high	sw.	covered.
S. S. Devonia, N. 41° 26′, W. 61° 50′ †	29.47	748 5	49	9.4	.....	nw.	.....	.....	6	.....	10	.....	nw.	8 h'r	8 h'r	h'vy	cross	cloudy.
S. S. England, N. 40° 55′, W. 66° 07′	29.76	755.9	.....	.....	.....	nw.	.....	.....	5	.....	5	.....	nw.	8 h'r	8 h'r	h'vy	s.	fair.
S. S. Elysia, N. 40° 33′, W. 40° 22′ *	30.28	769.1	59.5	15.3	97	ese.	.....	.....	5	.....	5	.....	s.	0	0	sm'h	.....	fine.
S. S. France, (Br.) N. 47° 58′, W. 20° 46′ *†	30.22	767.6	.....	.....	.....	w.	.....	.....	5	.....	8	.....	w.	rain	rain	large	w	squally.
S. S. Greece, N. 40° 30′, W. 73° 12′ †	30.08	764.0	42	5.6	.....	nnw.	.....	.....	4	.....	0	.....	.....	0	0	sm'h	nnw.	clear.
S. S Habsburg, N. 40° 50′, W. 62° 20′	29.41	747.0	.....	.....	.....	wnw.	.....	.....	5	.....	8	.....	nw.	5 h'r	5 h'r	cross	.....	
Schr. John Bracewell, N. 41° 25′, W. 71° 25′ †	29.92	760.0	38	3.3	.....	wnw.	.....	.....	2	.....	0	.....	.....	0	0	r'gh	sse.	clear.
S. S. Lampassas, N. 33° 29′, W. 76° 52′	.....	.....	70?	21.1?	.....	nw.	.....	.....	3	.....	2	.....	e.	0	0	long	se.	clear.
Bg. L. F. Munson, N. 35° 00′, W. 75° 00′ *†	30.05	763.3	68	20.0	.....	ene.	.....	.....	3	.....	1	.....	ne.	0	0	short	n.	clear.
S. S Nurnberg, N. 39° 22′, W. 5° 05′	30.06	763.5	62.6	17.0	.....	s.	.....	.....	4	.....	8	.....	s.	¼h'r	¼h'r	mod.	s.	squally.
S. S. New York, N. 24° 40′, W. 83° 15′ *†	30.06	763.5	76	24.4	.....	s.	.....	.....	2	.....	2	.....	s.	.....	.....	sm'h	.....	clear.
S. S. Nessmore, N. 44° 45′, W. 27° 48′	.....	.....	52	11.1	86	sw.	.....	.....	4	.....	2	.....	sw.	3 h'r	3 h'r	mod.	sw.	clear.
S. S. Orinoco, Hamilton, Bermuda	.....	.....	70	21.1	.....	sw.	.....	.....	2	.....	8	.....	sw.	2 h'r	2 h'r	.....	.....	cloudy.
Bk. Orpheus, N. 39° 47′, W. 70° 12′ *	29.96	761.0	48	8.9	.....	nnw.	.....	.....	3	.....	4 k	.....	n.	0	0	sm'h	.....	fair.
S. S. Pennsylvania, N. 45° 36′, W. 35° 41′	.....	.....	48	8.9	.....	sw.	.....	.....	6	.....	5	.....	s.	0	0	mod.	wsw.	fine.
S. S. Rhaetia, N. 40° 32′, W. 69° 50′	.....	.....	40	4.4	.....	nw.	.....	.....	5	.....	.....	.....	.....	0	0	long	s.	fair.
S. S. Rugia, N. 48° 39′, W. 23° 49′	30.35	770.9	47	8.3	.....	wnw.	.....	.....	6	.....	5	.....	wnw.	4 h'r	4 h'r	7	wnw.	fair.
S. S. Rhynland, N. 49° 23′, W. 16° 34′	30.04	763.0	47	8.3	.....	w.	.....	.....	3	.....	.....	.....	w.	6 h'r	6 h'r	r'gh	w.	squally.
Bg. Rising Sun, N. 37° 40′, W. 71° 20′ †	29.90	759.4	58	14.4	.....	n.	.....	.....	5	.....	1	.....	n.	0	0	mod	n.	
S. S. State of Florida, N. 54° 57′, W. 14° 15′	.....	.....	48	8.9	.....	wsw.	.....	.....	1	.....	5	.....	s.	2 h'r	2 h'r	sli't	sw.	fine.
S. S. State of Georgia, N. 54° 25′, W. 14° 21′†	29.96	761.0	52	11.1	.....	sse.	.....	.....	2	.....	8	.....	e	hv'y	hv'y	mod.	wnw.	cloudy.
S. S. Salerno, N. 44° 38′, W. 34° 30′ †	30.46	773.7	48	8.9	.....	wsw.	.....	.....	1	.....	5	.....	wsw.	0	0	sm'h	wsw.	fine.
S. S. Salier, N. 49° 45′, W. 12° 24′	.....	.....	.....	.....	.....	nw.	.....	.....	2–3	.....	9	.....	wnw.	6 h'r	6 h'r	long	w.	cloudy.
S. S. Switzerland, N. 40° 35′, W. 48° 33′*†	30.17	766.3	.....	.....	.....	sse.	.....	.....	2	.....	2	.....	ssw.	4 h'r	4 h'r	mod.	sse.	fair.
S. S. Samaria, N. 47° 51′, W. 34° 46′ *	30.45	773.4	46	7.8	.....	sw.	.....	.....	4	.....	.....	.....	wsw.	3 h'r	3 h'r	r'gh	wsw.	cloudy.
S. S. The Queen, N. 50° 50′, W. 14° 14′	29.99	761.7	50	10.0	?	.....	.....	.....	1	.....	5	.....	calm	1 h'r	1 h'r	mod.	w.	fair.
Bk. Tuck Sing, N. 21° 43′, W. 84° 31′ *†	30.00	762.0	.....	.....	.....	ese.	.....	.....	3	.....	0	.....	.....	0	0	light	se.	clear.
S. S. Valencia, La Guayra, Venezuela†	29.99	761 7	80	26.7	78	calm	.....	.....	0	.....	1	.....	calm	0	0	mod.	nne.	clear.
S. S. Westernland, Jersey City, N. J	30.04	763.0	50	10.0	79	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Wieland, N. 44° 50′, W. 43° 02′	.....	.....	57	13.9	.....	sw.	.....	.....	3	.....	4	.....	sw.	0	0	mod.	sw.	fair.
S. S. Weser, N. 48° 53′, W. 18° 59′	30.10	764 5	48.2	9.0	.....	nw.	.....	.....	6	.....	2	.....	nw.	2 h'r	2 h'r	cross	nw.	clear
S. S. Ontario, N. 52° 01′, W. 27° 00′*	30.06	763.5	38	3.3	100	wnw.	.....	.....	6	.....	5	.....	wnw.	2 h'r	2 h'r	hv'y	wnw.	fair.
S. S. Cienfuegos, Cienfuegos, Cuba, W. I	30.09	764.3	75	23.9	.....	ene.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Adda Doane, Annapolis, Md †	30.07	763.8	.....	.....	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S S. Baltic, Liverpool, Eng*†	30.08	764.0	.....	.....	.....	sse.	.....	.....	3	.....	2	.....	se.	0	0	.....	.....	clear.
S. S. Chalmette, N. 37° 36′, W 74° 36′ *†	30.05	763.3	47	8.3	.....	n.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Erin, London, Eng†	30.12	765.0	53	11.7	.....	ne.	.....	.....	3	.....	8	.....	ne.	0	0	.....	.....	cloudy.
S. S. Grecian, Glasgow, Scotland	30.14	765.5	52	11.1	86	e.	.....	.....	1	.....	10	.....	.....	0	0	.....	.....	overcast.
Bg. John Wesley, Nagua le Grande, Cuba, W. I	.....	.....	.....	.....	.....	se.	.....	.....	1	.....	1	.....	.....	0	0	.....	.....	clear.
S. S. Ohio, (Am) Liverpool, Eng †	30.16	766.1	49.5	9.7	85	s.	.....	.....	1	.....	8?	.....	s.	0	0	.....	.....	clear.?
S. S. Rosse, N. 2° 07′, W. 40° 46′	29.95	760.7	80	26.7	82	wsw.	.....	.....	3	.....	4	.....	nne.	5 h'r	5 h'r	short	nne.	showery.
S. S. St. Laurent, N. 46° 35′, W. 37° 40′	30.36	771.1	52.7	11.5	.....	sw.	.....	.....	4	.....	1	.....	sw.	0	0	sm'h	.....	clear.
Bgt. Sunlight, N. 23° 45′, W. 68° 57′ *†	30.14	765.5	.....	.....	.....	s.	.....	.....	1	.....	2	.....	s.	0	0	sm'h	.....	clear.
Schr. Viola Reppard, N. 25° 17′, W. 78° 45′	.....	.....	76	24.4	.....	sse.	.....	.....	1	.....	2	.....	calm	0	0	sm'h	.....	clear.
S. S. Werra, N. 48° 00′, W. 27° 05′ *	30.33	770.4	44.6	7.0	.....	nnw.	.....	.....	6	.....	10	.....	nnw.	0	0	high	nw.	cloudy.
U. S. S. Kearsarge, Alexandria, Egypt	29.95	760.7	65	18.3	63	nnw.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Lancaster, Alexandria, Egypt	29.96	761.0	64	17.8	83	w.	.....	.....	1	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Alliance, N. 14° 00′, W. 61° 15′	30.04	763.0	76	24.4	73	ene.	.....	.....	4	.....	2	.....	e.	0	0	mod.	.....	clear.
U. S. S. Galena N. 17° 25′, W. 71° 40′ *	30.04	763.0	77	25.0	77	e.	.....	.....	3	.....	10	.....	e.	.....	.....	med.	s;e	cloudy.
U. S. S. Jamestown, Pointe à Pitre, Guadeloupe, W. I.	30.09	764.2	75	23.9	68	e.	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	clear
U. S. S. Portsmouth, St. Thomas, W. I	30.10	764.5	75	23.9	86	ene.	.....	.....	2	.....	2	.....	e.	.....	.....	.....	.....	clear.
U. S. S Saratoga, N. 39° 22′, W. 25° 30′	30.40	772.1	54	12.2	74	ne.	.....	.....	3	.....	2	.....	ne.	0	0	long	ne.	fair.
U. S. S. Swatara, N. 10° 56′, W. 80° 08′	29.99	761.7	77	25.0	86	nne.	.....	.....	3–4	.....	5?	.....	nne.	0	0	mod.	nne.	cloudy.?
U. S. S. Yantic, Charleston, S. C	30.02	762.5	65	18.3	94	ene.	.....	.....	2	.....	5	.....	.....	.....	.....	.....	.....	drizzling.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.83	757.7	61	16.1	82	w.	.....	.....	3	.....	2	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Alecto, N. 5° 31′, W. 0° 11′	29.86	758.4	84	28.9	.....	sw.	.....	.....	?	.....	7	.....	.....	.....	.....	4	s.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.94	760.5	67	19.4	60	ssw.	.....	.....	5	.....	7	sse.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, Rhodes Id, Asiatic Turkey	29.85	758.2	60.5	15.8	71	w.	.....	.....	3	.....	7	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Tyne, N. 37° 23′, E. 9° 46′	29.78	756.4	59	15.0	82	wnw.	.....	.....	4	.....	6	wnw.	.....	.....	.....	3	wnw.	d. clouds.
H. P. M. S. Bengo, N. 16° 05′, W. 24° 29′	30.05	763.2	73.4	23.0	66	ne.	.....	.....	4	.....	7	.....	sw.	0	0	2	ne.	d. clouds.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.84	758.0	84.2	29.0	81	ese.	.....	.....	1	.....	4	.....	ese.	0	0	1	ese.	d. clouds.
S. S. British Prince, N. 41° 46′, W. 45° 14′ †	30.22	767.6	59	15.0	70	ese.	.....	.....	5	.....	2	.....	se.	0	0	mod.	se.	clear.
S. S. Scandinavian, off Greenock, Scotland	30.10	764.5	46	7.8	.....	ene.	.....	.....	3	.....	10	.....	ene.	.....	.....	.....	.....	misty.
S. S. Sardinian, N. 50° 14′, W. 32° 40′	30.18	766.6	42	5.6	.....	wsw.	.....	.....	4	.....	9	.....	wsw.	2 h'r	2 h'r	r'gh	w	cloudy.
S. S. Ailsa, Jeremie, Hayti, W. I	.....	.....	69.5	20.8	94	e.	.....	.....	2	.....	5	.....	ne.	3 h'r	3 h'r	.....	.....	showery.
S. S. Alps, N. 18° 28′, W. 66° 06′	.....	.....	75	23.9	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	fine.
S. S. Dorian, Leghorn, Italy	29.58	751.3	.....	.....	.....	nne.	.....	.....	4	.....	8	.....	nne.	4 h'r	4 h'r	.....	.....	
S. S. Furnessia, N. 41° 48′, W. 55° 46′	.....	.....	64	17.8	.....	sse.	.....	.....	5	.....	10	.....	sse.	2 h'r	2 h'r	long	s.	light rain.
S. S. Galatia, N. 40° 01′, E. 1° 25′	.....	.....	58	14.4	.....	var.	.....	.....	2	.....	3	.....	nw.	0	0	sli't	nne.	fair.
S. S. Carroll, Halifax, N. S	.....	.....	40	4.4	.....	n.	.....	.....	2	.....	3	.....	n.	hv'y	hv'y	.....	.....	clear.
S. S. Gallia, N. 48° 10′, W. 29° 40′	30.35	770.9	49	9.4	.....	nw.	.....	.....	4	.....	8	.....	nw.	0	0	sm'h	.....	fair.
S. S. Wyoming, N. 48° 19′, W. 26° 15′	30.31	769.9	42	5.6	.....	nw.	.....	.....	5	.....	8	.....	nnw.	0	0	mod.	nw.	cloudy.
S. S. Westphalia, Hamburg, Germany	.....	.....	36	2.2	.....	ene.	.....	.....	4	.....	10	.....	e.	0	0	.....	.....	covered.
S. S. Hevelius, N. 10° 34′, W. 27° 30′	.....	.....	78	25.6	.....	ne.	.....	.....	4	.....	7?	.....	ne.	0	0	sm'h	.....	clear.?
S. S. Archimede, (It) N. 36° 31′, W. 17° 38′ †	30.23	767.8	70?	21.1?	.....	ne.	.....	.....	1	.....	3	.....	nne.	0	0	sm'h	nnw.	clear.
S. S. Picqua, Messina, Sicily	.....	.....	62	16.7	77	wnw.	.....	.....	1	.....	.....	.....	wnw.	0	0	.....	.....	cloudy.
S. S. Oregon, (Br.) N. 52° 08′, W. 6° 18′	30.04	763.0	48	8.9	.....	s.	.....	.....	4	.....	10	.....	s.	8 h'r	8 h'r	light	s.	rainy.
S. S. City of Merida, N. 21° 17′, W. 89° 40′	.....	.....	73.4	23	.....	se.	.....	.....	2	.....	0	.....	.....	0	0	mod.	se.	fine.
S. S. Italy, N 40° 16′, W. 65° 15′ *	29 68	753.9	46	7.8	96	nnw.	.....	.....	5	.....	4	.....	nnw.	1 h'r	1 h'r	mod	nw.	fair.
S. S. Muriel, N. 33° 55′, W. 69° 47′	.....	.....	68	20.0	.....	n.	.....	.....	4	.....	0	.....	.....	.....	.....	mod.	w.	clear.
S. S. Belgenland, Portland, Me	.....	.....	50?	10?	86	se.	.....	.....	3	.....	.....	.....	se.	0	0	sm'h	.....	overcast.
S. S. Pennland, Antwerp, Belgium	30.08	764.0	44	6.7	92	sse.	.....	.....	1	.....	8	.....	ne.	0	0	.....	.....	fine.
S. S. Waesland, N. 40° 12′, W. 55° 50′	29.86	758.4	60	15.6	.....	s.	.....	.....	9	.....	10	.....	s.	0	0	r'gh	s.	cloudy.
S. S. Amsterdam, N. 42° 06′ W. 42° 13′ *	30.32	770.1	55.8	13.2	98	sse.	.....	.....	3	.....	2	.....	se.	0	0	light	se.	fair.
S. S. Zaandam, N. 40° 28′, W. 68° 45′	.....	.....	45.6	9.8	84	nw	.....	.....	5	.....	0?	.....	.....	8 h'r	8 h'r	mod.	nw.	fair?
S. S. Saxon, Boston, Mass	.....	.....	.....	.....	.....	nw.	.....	.....	1	.....	4	.....	.....	0	0	.....	.....	fine.
S. S. Republic, N. 43° 37′, W. 40° 50	.....	.....	54	12.2	87	sse.	.....	.....	4	.....	2	.....	sse.	0	0	sli't	se.	d. clouds.
S. S. Lepanto, N. 36° 55′, E. 3° 33′	.....	.....	62	16.7	.....	n.	.....	.....	1	.....	.....	.....	.....	0	0	mod.	n.	clear.
S. S. Marengo, Hull, Eng	.....	.....	52	11.1	.....	ese.	.....	.....	4	.....	10	.....	wnw.	.....	.....	sm'h	.....	hazy.
Schr. Arthur Burton, Ponce, Porto Rico	.....	.....	.....	.....	.....	ne.	.....	.....	1	.....	1	.....	ne.	0	0	sm'h	.....	fine.
Bk. Aureola, N. 36° 37′, W. 55° 56′	.....	.....	64	17.8	58	s.	.....	.....	6	.....	5	.....	s.	0	0	mod.	e.	fair.
Bg. Abbie Clifford, N. 20° 55′ W. 58° 44′ †	30.16	766.1	76	24.4	.....	e.	.....	.....	3	.....	2	.....	e.	.....	.....	hv'y	n.	fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	30.03	762.7	78	25.6	.....	ne.	.....	.....	2	.....	2	.....	ene.	0	0	.....	.....	clear.
S. Annie, N. 36° 13′, W. 72° 19′ *	29.94	760.5	.....	.....	.....	nnw.	.....	.....	4	.....	5?	.....	nnw.	6 h'r	6 h'r	mod.	sw.	cloudy?
Schr. Abbie H. Gheen, Springwood Mills, S. C. *†	30.03	762.7	70	21.1	.....	ne.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 18° 14′, W. 41° 36′ *†	30.05	763.2	80	26.7	.....	e.	.....	.....	1	.....	3	.....	n.	0	0	sm'h	.....	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bk. Bore, N. 16° 11′, W. 25° 55′*†	30.00	762.0	76	24.4	.....	nne.	.....	.....	3	.....	3	.....	nne.	0	0	sm'h	une.	fair.
S. S. Bracadale, N 36° 19′, W. 4° 30′	.....	.....	64	17.8	.....	w.	.....	.....	0	.....	3	.....	w.	0	0	mod.	w.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	29.99	761.7	78	25.6	.....	e.	.....	.....	4	.....	10	.....	e.	c	0	.....	.....	cloudy.
Bk. Cato, Setubal, Portugal†	30.01	762.2	61	16.1	82	nne.	.....	.....	4	.....	.....	.....	.....	0	0	.....	.....	clear.
Bk. U. S. Bushnell, N. 37° 02′, W. 1° 25′	29.84	757.9	.....	.....	.....	sw.	.....	.....	6	.....	0	.....	.....	0	0	mod	wsw.	clear.
S. David Stewart, N. 31° 58′, W. 75° 41′	.....	.....	74	23.3	.....	var.	.....	.....	4	.....	8	.....	sw.	2 h'r	2 h'r	h'vy	ssw.	gloomy.
S. E. B. Sutton, N. 50° 20′, W. 14° 00′*†	30.00	762.0	.....	.....	.....	nnw.	.....	.....	1	.....	5	.....	nw.	0	0	long	wnw.	fair.
Bk. Esmeralda, N. 59° 20′, W. 5° 30′	30.03	762.7	.....	.....	.....	ssw.	.....	.....	5	.....	8	.....	wsw.	2 h'r	2 h'r	r'gh	wsw.	squally.
U. S. Fish Com S. S. Fish Hawk, Kings Ferry, Fla	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. Grecian, N. 19° 27′, W. 49° 40′	.....	.....	72	22.2	76	ne.	.....	.....	3	.....	7	.....	ne.	0	0	long	n.	fair.
Bk. Gulson, N. 18° 55′, W. 23° 30′	.....	.....	69	20.6	.....	ne.	.....	.....	3	.....	5	.....	ne.	0	0	.....	ne.	blue sky.
Bk. Heinrich & Tonio, N. 40° 16′, W. 38° 07′*†	30.36	771.1	58	14.4	64	ese.	.....	.....	3	.....	2	.....	se.	0	0	mod.	se.	fair.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	.....	.....	78	25.6	.....	ene.	.....	.....	1	.....	4	.....	ne.	0	0	.....	.....	.....
S. Henry Failing, N. 27° 08′, W. 45° 57′	.....	.....	71	21.7	95	nnw.	.....	.....	5	.....	3	.....	nnw.	2¼ hr	2¼ hr	mod.	nnw.	clear.
Schr. Jennie N. Huddell, Smithville, N. C†	30.01	762.2	60	15.6	.....	e.	.....	.....	2	.....	2	.....	se.	0	0	.....	.....	fair.
Bg. John Welsh, jr., Barbadoes, W. I.	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	raining.
Schr. John Bird, Zaza, W. I *†	30.02	762.5	.....	.....	.....	ne.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	.....
Schr. Jenny Greenbank, Cindad, Venezuela	.....	.....	79	26.1	.....	ne.	.....	.....	2	.....	5	.....	ne.	0	0	.....	.....	fair.
Bg. L & W. Armstrong, Mayaguez, Porto Rico, W. I.	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	1	.....	ene.	0	0	.....	.....	fine.
Light-house tender Laurel, off St. Marks, Fla†	29.98	761.5	72	22.2	.....	se.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	dense fog.
S. S. Madrid, N. 35° 39′, W. 23° 11′†	30.31	769.9	61	16.1	82	n.	.....	.....	5	.....	5	.....	n.	2 h'r	2 h'r	mod.	nnw.	fair.
Schr. Maggie Abbott, N. 19° 35′, W. 73° 09′*†	30.03	762.7	.....	.....	.....	s.	.....	.....	3	.....	3	.....	se.	rain	rain	.....	.....	clear.
S. S. Mendoza, N. 0° 31′, W. 39° 25′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	.....	.....	.....	1 h'r	1 h'r	sm'h	n	clear.
Bk. Rosalie, N. 41° 33′, W. 14° 05*†	30.05	763.3	.....	.....	.....	nw.	.....	.....	5	.....	2	.....	nw.	0	0	mod.	nw.	clear.
Bk. Rosina, N. 41° 35′, W. 16° 49	30.16	766.1	56	13.3	.....	n.	.....	.....	0	.....	4	.....	n.	12 h'r	12 h'r	mod.	nw.	fair.
Bkt. Rosebud, Whitehaven, Eng *.	30.10	764.5	47	8.3	.....	wnw.	.....	.....	3	.....	8	.....	e.	0	0	sm'h	.....	gloomy.
S. Salisbury, N. 40° 05′, W. 70° 01′	29.95	760.8	41.0	5.0	92	nw.	.....	.....	5	.....	5 k	.....	nw.	0	0	long	se.	fair.
Bt. Saga, Sapelo Id, Ga†	29.97	761.3	66	18.9	.....	.....	.....	.....	.....	.....	5	.....	.....	0	0	.....	.....	foggy.
Bk. Sunbeam, Lisbon, Portugal†	29.94	760.5	60	15.6	88	ne.	.....	.....	6	.....	10	.....	nw.	0	0	.....	.....	cloudy.
S. Stephen D. Horton, N. 47° 56′, W. 26° 20′†	30.26	768.6	.....	.....	.....	nnw.	.....	.....	6	.....	8	.....	nnw.	2 h'r	2 h'r	mod.	nw.	cloudy.
Bk. Silica, Helgoland Island, North Sea	.....	.....	.....	.....	.....	ne.	.....	.....	6	.....	5	.....	ene.	0	0	mod	nne.	fair.
S. Tsemogora, N. 37° 56′, W. 57° 50′ *†	29.82	757.4	.....	.....	.....	ssw.	.....	.....	5	.....	7	.....	ssw.	0	0	short	wsw.	cloudy.
Bk. Tros, N. 22° 21′, W. 44° 45′ *†	30.11	761.8	72	22.2	.....	w.	.....	.....	3	.....	3	.....	w.	0	0	sm'h	nw.	clear.
S. Vincenzo Accame, N. 35° 47′, E. 19° 44′†..	29.80	756.8	62.6	17	.....	wsw.	.....	.....	3	.....	3	.....	w.	0	0	mod.	w.	fair.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	84	28.9	.....	ssw.	.....	.....	2	.....	2	.....	sw.	2 h'r	2 h'r	.....	.....	clear.
S. S. Leipzig, N. 4° 21′, W. 29° 03′*..	29.97	761.2	79.0	26.1	78	nne.	.....	.....	3	.....	9	.....	nne.	2 h'r	2 h'r	mod.	nne.	covered.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, S. Africa	29.83	757.7	69	20.6	65	nw.	5	2.2	.....	.....	0	.....	.....	0	0	sm'h	.....	clear.
U. S. S. Pensacola, S. 14° 14′, W. 8° 53′†	30.05	763.3	78	25.6	73	se.	.....	.....	3	.....	2	.....	se.	light	light	long	se.	clear.
H. M. S. Amethyst, S. 36° 37′, W. 56° 15′	30.09	764.3	65	18.3	78	ene.	.....	.....	4	.....	5	n.	.....	.....	.....	2	e.	misty.
H. M. S. Boadicea, S. 8° 46′, E. 13° 02′	29.83	757.7	82	27.8	91	nne.	.....	.....	1	.....	3	ene.	.....	.....	.....	2	ese.	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	30.01	762.2	65	18.3	68	se.	.....	.....	6	.....	3	sse.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	30.13	765.3	68	20.0	83	ene.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H.P.M.S.Rainha de Portugal, Mossamedes, Benguela.	29.84	757.8	75.2	24.0	79	nw.	.....	.....	2	.....	4	.....	.....	4 h'r	4 h'r	2	.....	thund'r st'm
Bk. Adelaide, S. 20° 56′, W. 39° 38′*†	30.14	765.5	84	28.9	.....	ese.	.....	.....	4	.....	1	.....	e.	0	0	mod.	e.	clear.
Bk. Achille F., S. 4° —′, W. 30° 30′*†	29.94	760.5	80	26.7	91	ese.	.....	.....	1	.....	10	.....	se.	4 h'r	4 h'r	long	se.	raining.
S. Frank N. Thayer, S. 4° 49′, W. 27° 11′*†	29.94	760.5	86	30.0	76	calm	.....	.....	0	.....	9 kn	.....	se.	rain	rain	light	se.	showery.
S. Gatherer, S. 5° 11′, W. 27° 40′ †	29.90	759.4	83	28.3	91	sse.	.....	.....	1	.....	5	.....	calm	1 h'r	1 h'r	sm'h	se.	fair.
S. Ismir, S. 5° 20′, W. 32° 26′*†	29.80	756.9	.....	.....	.....	e	.....	.....	1	.....	10	.....	ene.	rain	rain	.....	se.	rainy.
Bkt. Levanter, S. 27° 03′, W. 42° 36′ *.	30.15	765.8	80	26.7	.....	ne.	.....	.....	2	.....	2	.....	.....	0	0	long	ne.	clear.
S. S. Olbers, S. 16° 53′, W. 38° 34	30.10	764.5	81.5	27.5	80	se.	.....	.....	2	.....	3	.....	e.	.....	.....	2	e.	blue sky.
U. S. S. Shenandoah, Montevideo, Uruguay *.	30.14	765.5	69	20.6	95	e.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.98	761.5	44	6.7	80	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Alert, Shanghai, China	30.10	764.5	50	10.0	93	se.	.....	.....	2	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 30° 41′, E. 142° 07′	30.11	764.8	57	13.9	63	sse	.....	.....	4	.....	2	.....	.....	.....	.....	r'g'h	.....	fair.
U. S. S Juniata, Roze Island, Corea	30.07	763.8	43	6.1	91	sw.	.....	.....	2	.....	2	.....	.....	light	light	.....	.....	fair.
U. S. S. Palos, Shanghai, China	30.07	763.8	50	10.0	93	sse.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	29.98	761.5	68	20.0	94	ne.	.....	.....	1	.....	10	ene.	.....	.....	.....	.....	.....	misty.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.00	762.0	61	16.1	82	s.	.....	.....	1	.....	2	.....	.....	.....	.....	sm'h	.....	blue sky.
H. M. S. Champion, Shanghai, China	29.96?	761.0?	51	10.6	86	s.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	30.01	762.2	56.2	13.4	88	ne.	.....	.....	1	.....	6	.....	.....	.....	.....	.....	.....	misty.
H. P. M. S. Tamega, Macao, China	29.98	761.6	70.7	21.5	82	ne.	.....	.....	2	.....	8	.....	.....	0	0	.....	.....	overcast.
U. S. S. Monocacy, Canton, China	29.92	760.0	70	21.1	85	se.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
S. S. Newbern, N. 25° 10′, W. 112° 46′	.....	.....	64	17.8	67	nw.	.....	.....	4	.....	5	.....	nw.	0	0	sharp	wsw.	fair.
S. S. City of Chester, San Francisco, Cal†	29.86	758.4	44	6.7	84	se.	.....	.....	3	.....	10	.....	.....	h'vy	h'vy	.....	.....	heavy rain.
S. S. Oregon, N. 42° 59′, W. 124° 40′ †	29.89	759.2	47	8.3	81	sse.	.....	.....	4	.....	5	.....	s.	.....	.....	r'gh	wsw.	fair.
S. S. Alameda, Honolulu, Sandwich Islands†	30.18	766.6	73	22.8	95	ne.	.....	.....	3	.....	.....	.....	ne.	rain	rain	.....	.....	rainy.
S. S. Ancon, San Francisco, Cal †	29.83	757.7	49	9.4	85	ene.	.....	.....	2	.....	5?	.....	w.	2 h'r	2 h'r	.....	.....	overcast?
S. S. Geo. W. Elder, Seattle, Wash. Ter.	.....	.....	45	7.2	93	calm	.....	.....	0	.....	4	.....	.....	0	0	.....	.....	.....
S. S State of California, Portland, Oregon †	29.81	757.2	40	4.4	.....	calm	.....	.....	0	.....	10	.....	ssw.	.....	.....	.....	.....	light rain.
S. S. Australia, N. 20° 21′, W. 158° 39′	30.10	766.1	74	23.3	81	e.	.....	.....	5	.....	4	.....	e.	2 h'r	2 h'r	.....	.....	.....
S. S. City of Pekin, Hong Kong, China†	29.96	761.0	66	18.9	74	e.	.....	.....	4	.....	10	.....	e.	0	0	.....	.....	cloudy.
S. S. Granada, Panama, Panama†	29.94	760.5	76	24.4	86	nw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. San Blas, N. 16° 54′, W. 100° 08′†	29.90	759.4	74	23.3	90	ne.	.....	.....	3	.....	10	.....	ne.	0	0	sm'h	.....	cloudy.
S. S. San José, N. 22° 49′, W. 108° 53′†	29.99	761.7	67	19.4	89	nnw.	.....	.....	5	.....	7	.....	nw.	0	0	mod.	nnw.	cloudy.
S. S. Beaulder, Hong Kong, China	29.97	761.2	67	19.4	84	e.	.....	.....	2-3	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Port Phillip, N. 12° 38′, E. 130° 21′	30.02	762.5	80	26.7	96	ne	.....	.....	2	.....	.....	.....	.....	.....	.....	mod.	e.	cloudy.
U. S. S. Richmond, N. 22° 18′, E. 115° 50′	30.01	762.2	65	18.3	89	ene.	.....	.....	2	.....	5	.....	ene.	0	0	sm'h	.....	hazy.
S. S. Oceanic, N. 34° 08′, E. 150° 58′	29.81	757.2	53	11.7	.....	w.	.....	.....	6	.....	8	.....	w.	4 h'r	4 h'r	6	wsw.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Plata, S. 45° 54′, W. 76° 07′	29.66	753.4	52	11.1	79	nne.	.....	.....	2	.....	10	.....	ne.	.....	.....	long	wsw.	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	29.96	761.0	55	12.8	100	s.	.....	.....	2	.....	10	.....	.....	.....	.....	long	.....	overcast.
H. M. S. Espiegle, S. 33° 07′, E. 169° 04′	29.97	761.2	63	17.2	78	s.	.....	.....	3	.....	3	s.	.....	.....	.....	2	ssw.	blue sky.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.95	760.7	58	14.4	.....	n.	.....	.....	1	.....	10	.....	.....	.....	.....	sm'h	.....	showery.
H. M. S. Lark, S. 30° 28′, E. 169° 50′	29.90	761.0	64.3	17.9	81	ssw.	.....	.....	3	.....	6	.....	.....	.....	.....	3	sw.	d. clouds.
H. M. S. Mutine, Callao, Peru	29.97	761.2	72	22.2	.....	sse.	.....	.....	2	.....	9	.....	.....	.....	.....	.....	.....	misty.
H. M. S. Sappho, S. 20° 12′, W. 70° 11′	30.03	762.7	72	22.2	90	s.	.....	.....	1	.....	2	s.	.....	.....	.....	2	s.	blue sky.
S. S City of Sydney, Sydney, N. S. W *†.	30.16	766.1	73	22.8	88	ne.	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Onward, Callao Bay, Peru *†	30.04	763.0	72	22.2	95	se	.....	.....	2	.....	8	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Iroquois, Coquimbo, Chili	30.01	762.2	58	14.4	94	nw.	.....	.....	1	.....	10	.....	nw.	.....	.....	.....	.....	misty.
U. S. S. Lackawanna, Callao, Peru	29.93	760.2	72	22.2	95	sse.	.....	.....	2	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.75	755.6	85	29.4	79	nw.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Magpie, S. 6° 01′, E. 106° 48′	29.85	758.2	82.7	28.2	79	w.	.....	.....	2	.....	6	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.80	756.9	85	29.4	79	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. J. W. Gildemeister, S. 4° 10′, E. 100° 32′	29.85	758.2	81.5	27.5	85	ne.	.....	.....	1	.....	3 n	.....	sw.	4 h'r	4 h'r	.....	.....	d. clouds.
S. Orealia, S. 6° 48′, E. 78° 40′*	29.82	757.4	.....	.....	.....	ssw.	.....	.....	5	.....	5	.....	s.	0	0	cf'd	se.	fair.

International Chart I. March 25, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War:
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 26, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.00	759.5	64.8	18.2	69	se.	.....	.....	1	.....	5	.....	.....	0	0	cloudy	Roziers.
Algiers	.....	.....	29.85	758.1	66.9	19.4	40	se.	.....	.....	1	.....	0	.....	.....	inap.	inap.	clear	Thève.
La Calle	.....	.....	29.81	757.2	60.8	16.0	79	ene.	.....	.....	4	.....	2	.....	.....	0	0	fair	Fontrède.
Tunis	.....	.....	29.76	756.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.93	760.1	50.0	10.0	62	n.	.....	.....	2	.....	3	.....	.....	inap.	inap.	pretty fair	Forfert.
Laghouat	.....	.....	29.89	759.2	61.2	16.2	.....	ssw.	.....	.....	2	.....	4	.....	.....	0	0	cloudy	Abraham.
Biskra	.....	.....	29.89	759.3	70.5	21.4	65	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	29.88	758.9	81.3	27.4	36	n.	9	4.0	.....	.....	9 k	.....	.....	0	0	.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.71	754.6	29.90	759.4	63.8	17.7	90	calm	0	0	.....	.....	10	.....	.....	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	29.95	760.7	30.04	763.0	71.5	21.9	60	wsw.	14	6.3	.....	.....	10	.....	.....	0.02	0.5	dull	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29 22	742.2	29.78	756.4	44.8	7.1	59	sw.	.....	.....	2	.....	10	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.95	735.2	29.72	755.0	40.6	4.8	94	ene.	0	0	.....	.....	10	.....	.....	0.142	3.6	.....	Dr. Wierzbiski
Eperies	28.86	733 1	29.75	755.7	44.2	6.8	73	calm	.....	.....	0	.....	10	.....	.....	0.165	4.2	.....	Julius Mikolik.
Gratz	28 53	724.7	29.79	756.6	48.9	9.4	53	se.	.....	.....	2	.....	8	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.28	718.2	29.70	754 3	52.7	11.5	68	se.	.....	.....	3	.....	10	.....	.....	0.024	0.6	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.46	722.9	29.84	757.8	38.5	3.6	87	w.	.....	.....	1	.....	10	.....	.....	0.028	0.7	rain&snow	The Staff.
Lemberg	28.80	731.4	29.79	756.7	45.0	7.2	84	se.	.....	.....	1	.....	10	.....	.....	0.004	0.1	.....	Dr. T. Stanecki.
Pola	29.66	753.4	29.77	756.2	48.9	9.4	71	nw.	.....	.....	2	.....	9	.....	.....	0	0	.....	I. R. Hydrographic Office
Szathmar	29.21	741.9	29.67	753.6	55.0	12.8	58	s	.....	.....	4	.....	2	.....	.....	0.102	2.6	.....	Joseph Midlinsky, S. J
Szegedin	29.42	747.3	29.71	754.5	45.7	7.6	91	calm	.....	.....	0	.....	10	.....	.....	0.346	8.8	sleeting	Karl Stancel.
Trieste	29.69	754.1	29.79	756.6	51.8	11.0	38	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.09	738.8	29.82	757.3	42.6	5.9	77	nw	.....	.....	2	.....	10	.....	.....	0.106	2.7	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.52	724.4	29.94	760.4	37.4	3.0	76	e.	.....	.....	1–2	.....	3	.....	ne.	0.008	0.2	.....	.....
Brussels	29.84	757.8	30.04	763.1	39.0	3.9	77	ene.	.....	.....	5	.....	10	.....	inap	inap.	.....	.....	
Furnes	30.04	763.1	30.00	763.6	41.0	5.0	77	ne.	.....	.....	1–2	.....	10	.....	.....	0	0	.....	
Maeseyck	29.93	760.1	30.05	763.3	40.5	4.7	81	ne.	.....	.....	1	.....	10	.....	.....	0.035	0.9	.....	
BRITISH.																			
Aberdeen	30.25	768.3	30.35	770.9	39.0	3.9	57	se.	12	5.4	.....	.....	10	.....	.....	0	0	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.18	766.6	39.7	4.3	58	ene.	20	8.9	.....	.....	10	.....	.....	.....	.....	overcast	John Hartnup.
Bolton, Sharples	29.64	752 8	30.19	766.8	38.6	3.7	73	e.	6	2.7	.....	.....	10	.....	.....	.....	.....	gloomy	Thomas Mackereth.
Bradford, Yorkshire	29.79	756.7	30.19	766.8	40.0	4.4	74	ne.	.....	.....	2	.....	9	.....	.....	0	0	overcast	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.98	761.5	30.01	762.2	78	25.6	73	ne.	.....	.....	2	.....	1	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.C
Oardington	.....	.....	.....	.....	41.0	5.0	87	e.	.....	.....	0.6	.....	10	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E	29.91	759.7	30.09	764.3	40.3	4.6	86	ene.	.....	.....	4	.....	10	.....	.....	blank	blank	misty	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.79	756.7	30.03	762.7	43.8	6.6	78	e.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.51	698.7	29.82	757.4	86.8	30.4	35	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	30.04	763.0	30.08	764.0	45	7.2	76	e.	.....	.....	1	.....	3	.....	.....	0.17	4.3	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	29.76	755.9	29.86	758.4	60.6	15.9	83	nw.	.....	.....	4	.....	6	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.93	760.2	30.10	764.5	41.5	5.3	83	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.70	754.4	30.01	762.2	46.0	7.8	62	e.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	A. Collenette, F.R.M.S
Kew, Observatory	30.07	763.8	30.11	764.8	42.1	5.6	64	ne.	18	8.0	.....	.....	10	.....	.....	.....	.....	misty	The Staff.
Leicester, Museum	29.86	758 4	30.13	765.3	42.4	5.8	66	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.77	756.1	29.84	757.9	53.8	12.1	85	ne.	.....	.....	2	.....	8	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.00	762 0	30.05	763.3	79.0	26.1	73	s.	.....	.....	2	.....	5	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.88	758.9	30.11	764.8	43.2	6.2	65	ne.	.....	.....	4	.....	9	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.95	760.7	30.02	762.5	47.2	8.4	66	e.	.....	.....	4	.....	3	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	30.20	767 1	30.30	769.6	42.1	5.6	74	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.83	757.7	29.90	759.4	61.0	10.1	61	ssw.	.....	.....	1	.....	1	.....	.....	blank	blank	blue sky	W. H. Lyne.
Sheffield	29.91	759 7	30.20	767.1	41.0	5.0	70	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	30.22	767.6	30.24	768 1	39.2	4.0	81	e.	.....	.....	3	.....	10	.....	.....	0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.21	767.3	39.0	3.9	59	ene.	10	4.5	.....	.....	10	.....	.....	0	0	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	45.1	7.3	65	e.	.....	.....	2.0	.....	9	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	30.04	763 0	30.07	763.8	49.3	9.6	64	e.	20	8.9	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.48	748.8	29.88	758.9	58.3	14.6	62	ne.	6.2	2.8	.....	.....	8 ck	0	w.	0	0	cloudy	Rev Jos. Micali, S.J.
Hong Kong Obs'y, China	29.80	756.9	29.92	760.0	66.2	19.0	100	e	10	4.5	.....	.....	4 k	.....	ssw.	0	0	fair	The Staff.
CANADIAN.																			
Bathurst, N. B	29.96	761.0	30 00	762 0	27.0	— 2.8	.....	calm	0	0	.....	0	3 n	.....	.....	0	0	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.02	762.5	30.07	763.8	29	— 1.7	100	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	H. J. Cundall, C. E
Chatham, N. B*	29.95	760.7	30.02	762.5	21	— 6.1	96	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	G. A. Blair.
Cornwall, Ontario	29.46	748.3	29.65	753.1	35.2	1.8	96	e.	.....	.....	1	.....	10 n	.....	.....	0.273	7.0	overcast	Jas. Smith, M. A.
Dalhousie, N. B	29.96	761.0	30.01	762.2	22.0	— 5.6	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	29.88	758 9	29.90	759 4	33	0.6	92	w.	15	6.7	.....	0	5 ks	.....	.....	0	0	fair	I. McWilliams
Fort Garry, Manitoba*	28.91	734.3	29.80	756.9	15	— 9.4	100	se.	1	0.4	.....	2 cs	0	se.	.....	0	0	fair	James Stewart.
Fredericton, N. B	29.99	761.7	30.06	763.5	26.0	— 3.3	88	n.	1	0.4	.....	0	0	.....	.....	0	0	blue sky	Dr. Thos. Harrison
Grand Manan, N. B	29.97	761.2	30.03	762.7	37	2.8	89	se.	5	2.2	.....	0	hz.	.....	.....	0	0	hazy	J. Chipman Seeley
Granton, Ontario	28.28	718 3	29.37	746.0	45.0	7.2	100	s	5	2.2	.....	.....	10 n	.....	.....	0.300	7.6	raining	Jas. Grant.
Halifax, N. S*	29.97	761.2	30.11	764.8	30	— 1.1	100	s.	2	0.9	.....	0	0	.....	.....	0	0	clear	A. Allison.
Hamilton, Ontario	29.08	738.6	29.49	749.0	37.9	3.3	95	calm	0	0	.....	.....	10 n	.....	.....	0	0	misty	Geo. Dickson, B. A.
Kingston, Ontario*	29.73	742.4	29.57	751.1	41	5.6	89	ne.	5	2.2	.....	5 k	5 k	e.	e.	0	0	clearing	A. P. Knight, M. A.
Little Grace Bay, N. S	30.02	762.5	30.05	763.3	34.5	1.4	61	n.	1	0.4	.....	0	0	.....	.....	0.24	6.1	blue sky	C. H. Rigby.
London, Ontario	28.47	723.1	29.30	745.7	45.2	7.3	96	s.	.....	.....	3	.....	10 ks	.....	.....	0.08	2.0	overcast	E. B. Reed.
Medicine Hat, N. W. T	27.28	692.9	29.01	752.1	29	— 1.7	92	se.	1	0.4	.....	0	5 n	.....	.....	0	0	fair	John Ewart.
Minnedosa, N. W. T	27.73	704.3	29.71	754.6	29	— 1.7	88	calm	0	0	.....	.....	10 s	.....	w.	0	0	cloudy	Rev. J. M. Wellwood
Montreal, Quebec*	29.57	751.1	29.79	756.7	30	2.2	79	e.	9	4.0	.....	.....	10 n	.....	.....	inap.	inap.	light rain	C. H. McLeod, C. E.
Ottawa, Ontario	29.45	748.0	29.68	753.9	35.2	1.8	94	ene.	.....	.....	.....	.....	10 s	.....	.....	0	0	raining	A. McGill, M. A.
Parry Sound, Ontario*	28.78	731.0	29.47	748.5	40	4.4	92	e.	21	9.4	.....	.....	10 n	.....	e.	0.35	8.9	cloudy	Rev. R. Hosley.
Peterboro, Ontario	28.78	731.0	29.53	750.0	37.7	3.2	66	ne.	.....	.....	1	.....	10 ks	.....	.....	0	0	misty	Wm. O'Connor, M.A.
Port Arthur	29.09	738.9	29.81	757.2	37	2.8	66	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	28.73	729.7	29.42	747.3	43	6.1	100	s.	7	3.1	.....	.....	10 n	.....	e.	0.16	4.1	light rain	J. Morgan.
Port Stanley, Ontario	28.75	730.2	29.40	746.7	40	4.4	100	se.	12	5.4	.....	.....	10 n	.....	sw.	0.40	11.7	light rain	M. Payne.
Qu Appelle, N. W. T	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Leslie Gordon.
Quebec, Quebec*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	cloudy	Capt. Asse, R. N.
Rockliffe, Ontario*	29.54	750.3	29.91	759 7	33	0.6	96	calm	0	0	.....	10 cs	0	.....	.....	0.10	2.5	heavy rain	W. H. McIntyre.
St. Andrews, N. B	29.15	740 4	29.61	752.1	37	2.8	89	se.	5	2.2	.....	.....	10 n	.....	.....	0	0	clear	
St. John, N. B	29.97	761.2	30.02	762.5	32	0.0	90	ne.	1	0.4	.....	0	0	.....	.....	0	0	blue sky	G. Hutchinson.
St. Pierre, N. F	29.90	759.4	30.05	763.3	35.0	1.7	95	nw.	4	1.8	.....	0	0	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stratford, Ontario	28.67	728.2	29.38	746.2	43	6.1	89	e.	12	5.4	.....	.....	10 s	.....	.....	0.67	17.0	heavy rain	W. McBride, M.A
	28.11	714.0	29.38	746.2	42.5	5.8	92	se.	2	0.9	.....	.....	10 s	.....	.....	.....	.....	raining	

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	30.00	762.0	30.06	763.5	32	0.0	74	calm	0	0		0	0			0	0	clear	T.C.Hill, C.E.
Toronto, Ontario*	29.08	738.6	29.47	748.5	39	3.9	96	ne.	6	2.7			10 ks		s.	0.43	10.9	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.36	720.3	29.42	747.3	45.6	7.6	93	se.	11	4.9			10 n			0.200	5.1	raining	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.98	761.5	30.05	763.3	36	2.2	85	e.	2	0.9		0	0			0	0	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.79	756.7	29.82	757 4	66.0	18.9	92	sw.				9 ck	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.91	759.7			62.0	16.7	67	w.				0	7 k			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.91	708.9			70	21.1	55									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla	29.20	741.7	29.31	744.4	53.6	12.0	90	nw.			1		2 n		nw.	0.575	14.6		Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					55.4	13.0	86	nw.			3		10 n		nw.	0.795	20.2	cloudy	Leon Herrera.
Valparaiso	29.82	757.4	29.96	761.0	60.8	16.0	95	ne.			1		10					cloudy	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.03	762.8	30.06	763.4	50.5	10.3	94	ene.	4.5	2.0			10			0.283	7.2	covered	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	30.14	765 6	30.19	766.8	35.2	1.8	90	ne.	20	9			10					rain & snow	Oversergent Fischer.
Fanöe	30.21	767.3	30.23	767.8	37.6	3.1	73	ne.			4		8						Overloerer Lauridsen.
Godthaab, Greenland	29.76	755.8	29.80	756.9	7.3	—13.7	96	ene.			4		5						S. Kleinschmidt.
Ivigtut, Greenland	29.79	756.7	29.81	757 2	5.7	—14.6		calm			0		10						
Stykkisholm, Iceland	30.02	762.5	30.06	763.6	35.2	1.8	84	se.			4		10					snowing	A. O. Thorlacius.
Thorshavn	30.30	769.6	30.32	770.2	46.8	8.2	81	ese.	11	5.			7						Overloerer Bergh.
Upernavik, Greenland	29.93	760.3	29.98	761.5	— 9.6	—23.1		calm			0		0						
Vestervig	30.18	766.5	30.27	768.8	39.7	4.3	62	ne.			4		0						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.92	759.9			72.5	22.5		ne.	4.3	1.9			0			0	0		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.18	741.6	29.85	758.2	51.1	10.6	56	ene.			1	6 c				0	0		M. Labroue, Director.
Alençon, Normal School	29.43	747.5	29.98	761.5	41.4	5.2	97	ne.			2		5		sw.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.80	757.0	29.95	760.7	37.4	3	69	ne.			2		10	sw.	sw.	0	0	covered	M. Ungerer, Director.
Avignon, Normal School	29.71	754.5	29.78	756.5	58.6	14.8	30	n.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.35	745.6	29.93	760.1	42.8	6.0	65	e.			1		10 kn		ene.	0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.73	755.2	30.01	762.2	44.2	6.8	65	ene.			2		8		ne.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.93	734.8	29.83	757.6	47.1	8.4	59	sw.			1		k		n.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.53	750.1	29.80	756.8	50.0	10.0	48	ene.			1	5 c				0	0	cloudy	M. Rayet, Director.
Bourges, Normal School	29.34	745.1	29.90	759.4	47.8	8.8	61	n.			2		5		n.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.75	755.6	29.91	761.8	49.3	9.6	56	e.			2		8		e.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.86	758.4	29.93	760.3	46.0	7.8	94	ne.			2		5		ne.	0	0	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.60	751.9	29.93	760.3	42.4	5.8	74	n.			1		8	ne.	e.	0.008	0.2	very cloudy	M. Jadot, Director.
Charleville, Normal School	29.48	748.9	30.01	762.3	39.9	4.4	87	ne.			4		10		e.	0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.47	723.0	29.83	757.7	48.2	9.0	43	nw.			1		5 k		ne.	0	0		M. Alluard, Director.
Cluny, Normal School	28.93	734.9	29.83	757.6	48.2	9.	54	ne.			1		5	sw.		0	0		M. de Villemontée, Dir.
Commercy, Normal School	29.08	738.6	29.99	761.7	41.7	5.4	77	ne.			4		8 kn	ne.	ne.	0.004	0.1	very cloudy	Dr. Coulet, Director.
Gap, Normal School	27.19	690.5	29.71	754.6	50.0	10	44	w.			1		0			0	0		M. Jarach, Director.
Grénasque, du Rhone	28 62	727.0	29.73	755.2	58.1	14.5	28	sw.			4		1		sw.	0	0		M. Kina, Director.
Grenoble, Normal School	29.02	737.1	29.79	756.6	52.5	11.4	48	ene.			1		k		e.	0	0		M. Ablard, Director.
Gué et, Normal School	28.31	719 0	29.89	759.3	46.4	8.	72	ne.			1		0			0	0	clear	M. Delorme, Dir.
Lamballe Normal School	29.67	753.7	29.95	760.7	47.1	8.4	68	nne.			2		n		nne.	0	0		M. Polipre, Dir.
Lescar, Normal School	29.20	741.6	29.76	755.9	57.0	13.9	40	ne.			1		n			0	0		M. Chauvin, Director.
Lorient, Naval Observatory	29.83	757 7	29.93	760.3	51.1	10.6	68	e.			4		8		se.	0	0	¼ covered	L'. T. Carré, Director.
Lyon, St. Genis-Laval	28.76	730.6	29.83	757.7	46.6	8.1	54	nne.			2		5 n		nne.	0	0	cloudy	M. André, Director.
Mans, Normal School	29.70	754.4	30.02	762.4	41.7	5.4	84	e.			1		5 k		e.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.49	749.0	29.76	755.8	55.4	13.0	53	sw.			4		4		wsw.	0	0		M. Stephan, Director.
Montlouis	24 49	622.1	29.34	745.1	37.9	3.3	62	se.	9.4	4.2			6	ne.		0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.60	751.8	29.71	754.6	59.4	15.2	75	se.			2		1	s.		0	0	clear	M. Galzin, Director.
Nancy, Normal School	29.11	739 4	29.91	759.8	40.6	4.8	62	n.			1		n			0	0		M. Hasse, Director.
Nantes, Observatory	29.78	756.3	29.94	760 4	50.5	10.3	52	ene.			1–2		5 k; kn		ene.	0	0		M. Larocque, Director.
Perpignan, Observatory	29.69	754.1	29.80	756.9	52.3	11.3	45	se.	5.6	2.5			4	ssw.	ssw.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.87	530.0			25.7	— 3.5		w.			1					0	0	foggy	M. Vaussenat, Director.
Privas, Normal School	28.71	729.3	29.78	756.4	52.2	11.2	33	e.			1		1	e.	e.	0	0	clear	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.88	632 0			26.6	— 3.0	98	ene.			2		8		e.	0.012	0.3		M. Alluard.
Rochefort, Naval Obs'y	30.01?	762.2?	30.04?	763.0?	53.2	11.8	37	ene.			4		0			0	0	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.71	754.5	29.92	760.0	49.5	9.7	54	sw.			6				ne.	0	0		M Brotlier, Director.
Rodez, Normal School	27.66	702.6	29.81	757.1	49.5	9.7	46	sw.			0–5		1 n		ne.	0	0	clear	M. Seger, Director.
Rouen, Normal School	29.97	761.1	30.01	762.3	47.1	8.4	59	e.			6		0			0	0	clear	M. Mouillot, Dir.
Saint Maur, Observatory	29.81	757.1	29.97	761.3	45.7	7.6	58	ne.			2		8		ne.	0	0		M. Renou, Director.
Toulouse, Observatory	29.09	738.8	29.81	757.1	54.0	12.2	36	nw.			1		2			0	0	slightly cl'dy	M. Baillaud, Director.
Tours	29.73	755 2	29.91	759.8	51.8	11.0	58	ene.			2		2	e	ene.	0	0	slightly cl'dy	M. de Tastes.
Versailles, Observatory	29.47	748.6	29.97	761.1	42.1	5.6	66	ne.			2		10			0	0	covered	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.64	752.8	29.79	756.6	54.9	12.7	48	ne.	5.8	2.6		4 c	cs	sw.		0	0		M. Carlier, Director.
GERMAN.																			
Anshach	28.43	722.1	29.93	760.2	36.3	2.4	85	ne.			2		10	ne.		0.114	2.9		Prof. Juedt.
Bamberg	29.04	737.6	29.88	758.9	39.6	4.2	66	nw.			2		9 n		nw.	0.140	3.7		Prof. Dr. Hoh.
Berlin	29.81	757.1	29.96	760 9	38.8	3.8	80	ne.			2		10			0.268	6.8		Meteorological Institute
Breslau	29.31	744 4	29.84	757.8	37.6	3.1	95	ne.			3		10			0.827	21.0	raining	Royal University Obs'y
Carlsruhe	29.47	748.5	29.94	760 5	40.6	4.8	73	ne.			1		10	ne.		0.075	1.9		Albert Senz.
Cassel	29.27	743 5	29.98	761.6	36.7	2.6	79	ne.			5		10	nw.		0.024	0.6		Dr. H. Möhl.
Frankfort-on-the-Main	29.58	751.2	29.95	760.7	41.9	5.5	76	nne.			2		10			0.130	3.3		Physical Society.
Friedrichshafen	28.44	722.3	29.89	759.2	40.3	4.6	69	n.			2		10	n.		0	0		Wilhelm, Chief Tel.
Hamburg	30.06	763.6	30.15	765.9	37.8	3.2	76	ne.			4		10			0.008	0.2		E. Preller.
Kiel	30.16	766.1	30.18	766.5	36.1	2.3	67	ne.			4		10			0.004	0.1		Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.52	749.9	29.96	761.0	36.0	2.2	89	nne.			2		10			0.650	16.5	raining	H. Leppig, Asst.
Magdeburg	29.81	757.2	30.01	762.2	39.7	4.3	76	ne.			2		10			0.118	3.0		Weather Observatory.
Memel	30.06	763.6	30.11	764.8	37.0	2.8	75	ene.			4		10 s						Isermann.
Munich	28.02	711.8	29.87	758.8	37.6	3.1	73	nw.			2		10	w.		0.157	4.0		Central Station.
Neufahrwasser	29.98	761.6	30.00	762.0	37.0	2.8	86	ne.			3		10			0.028	0.7		A. Lothes.
Neustadt, Palatinate	29.39	746.5	29.91	759.8	39.9	4.4	79	n.			1		10			0	0		Prof. Dieknether.
Stuttgart	28.95	735.3	29.87	758.6	39.6	4.2	76	n.			1		10			0.028	0.7		Prof. Dr. Schoder.
Wustrow	30.08	763.9	30.10	764.5	37.8	3.2	80	ne.			5		8 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.53	750 0	29.91	759.8	63.0	17.2		s.			3.0	2	0			0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.77	756.1	29.82	757.4	78.2	25.7	66	wsw.	30.0	13.4			1	wsw.		0	0	d. clouds	
Deesa	29.28	743.7	29.74	755.3	99.8	37.7	10	w.	8.0	3.6			0			0	0	blue sky	
Bombay	29.72	754.8	29.76	755.8	82.8	28.2	64	nw.	21.0	9.4			0			0	0	blue sky	
Poona, Yarrowda	27.90	708 5	29.69	754.2	93.3	34.1	15	sw.	7.0	3.1			5	nw.	nw.	0	0	d. clouds	
Belgaum	27.28	692.8	29.79	756.6	80.5	26.9	34	ssw.	11.0	4.9			9	n.		0	0	d. clouds	
Lahore	29.05	738.0	29.79	756.7	83.8	28.8	17	nw.	6.0	2.7			4			0	0	blue sky	
Roorkee	28.82	732 1	29.71	754.5	85.7	29.8	9	w.	6.0	2.7			0			0	0	blue sky	
Agra	29.20	741 8	29.76	755.8	91.7	33.2	19	w.	6.0	2.7			0			0	0	blue sky	
Nagpur	28.70	729.0	29.71	754.6	96.5	35.8	19	calm	1.0	0.4			0			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.45	722.6	29.77	756.2	93.1	33.9	12	nw.	2.0	0.9			0			0	0	blue sky	
Lucknow	29.35	745.4	29.71	754.7	92.1	33.4	12	wsw.	8.0	3.6			0			0	0	misty	
Allahabad	29.43	747.5	29.73	755.2	92.1	33.4	10	nw.	4.0	1.8			0			0	0	blue sky	
Patna	29.52	749.8	29.70	754.4	90.6	32.6	12	w.	6.5	2.9			0			0	0	blue sky	
Hazaribagh	27 76	705 2	29.74	755.5	83.8	28.8	9	nw.	8.0	3.6			0			0	0		
Cuttack	29.68	754.0	29 76	756.0	86.1	30.1	60	e.					0			0	0	blue sky	
Calcutta, Alipore	29.72	754.8	29.74	755.4	82.1	27.8	73	ssw.	5.5	2.5			0			0	0	blue sky	
Dhubri	29.62	752.3	29.74	755.3	80.6	27.0	60	calm	0	0			0			0	0	blue sky	
Chittagong	29.74	755.4	29.83	757.6	79.4	26.3	84	s.	6.7	3.0			1			0	0	d. clouds	
Sibsagar	29.48	748 9	29.83	757.6	68.8	20.4	86	ne.	2.0	0.9			10	w.	w.	1.30	33.0	d. clouds	
Jeypore	28.35	720.0	29.76	755.8	91.8	33.2	16	nw.	7.3	3.3			0			0	0	blue sky	
Zanzibar	29.79	756.6	29.81	757.1	85.8	29.0	66	sw.	6.0	2.7			1			0	0	d. clouds	
Bellary	28.26	717.8			97.5	30.4	24	se.	4	1.8		2 c	0			0	0	d. clouds	
Trichinopoly	29.54	750.3			95.9	35.5	37	e.	0.1	0.04		0	0			0	0	blue sky	
ITALIAN.																			
Udine	29.38	746.2	29.79	756.6	52.5	11.4	48	calm	0	0			10			0	0		Prof. Giovanni Olodig.
Milan	29.26	743.2	29.78	756.3	56.1	13.4	22	s.	4.9	2.2			2	sse.		0	0		Prof. G.V.Schiapparelli
Padua	29.66	753.4	29.77	756.2	54.0	12.2	38	se.	1.8	0.8			3	sw.		0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.85	732.8	29.76	755.8	55.0	12.8	21	e.	3.8	1.7			1			0	0		Prof. F. F. Denza.
Genoa	29.66	751.7	29.79	756.6	55.6	13.1	40	s.	4.7	2.2			0			0	0		Prof. G. M. Garibaldi.
Pesaro	29.77	756.1	29.82	757.3	49.8	9.9	59	n.	7.4	3.3			1			0.047	1.2		Prof. Luigi Guidi.
Florence	29.52	749.7	29.77	756.2	55.4	13.0	27	w.			2		3			0	0		Prof. Costantino Pittei.
Leghorn	29.67	753.5	29.75	755.6	55.2	12.9	50	sw.	3.1	1.4			3			0	0		Prof. P. Monte.
Rome	29.63	751.9	29.78	756.4	56.3	13.5	45	w.	1.3	0.6			4			0	0		Prof. P. Tacchini.
Lecce	29.55	750.6	29.81	757.1	57.9	14.4	49	sw.	19.9	8.9			4	sw.		0.244	6.2		Prof. C. de Giorgi.
Cosenza	28.86	733 1	29.76	755 8	52.2	11.2	75	sse.	2.5	1.1			9	s.		0.201	5.1		Prof. D. Conti.
Palermo	29.58	751.3	29.83	757.7	58.1	14.5	47	nnw.	8.1	3.6			1	w.		0.008	0.2		Prof. G. Caccintore
Syracuse	29.72	755.0	29.77	756.1	68.4?	20.2?	63	e.	2.5	1.1			4	wnw.		0	0		Sig. V. Giulio.
Sub-series.																			
Naples, Astron'l Obs'y	29.29	743.9			52.5	11.4	65	ssw.	1.3	0.6			8	w.		0.398	10.1		Prof. F. Brioschi.
JAPANESE.																			
Akita	30.03	762.6	30.06	763.5	38.3	3.5	92	calm			0		10k;ks		w.	0.201	5.1	cloudy	H. Hattori.
Awomori	29.97	761.2	30.01	762.2	37.2	2.9	82	sw.	7.5	3.4			9n;ks		w.	0.085	2.2	overcast	K. Ogawa.
Hakodate	30.02	762.5	30.03	762.8	34.2	1.2	96	e.	4.2	1.9			10 n			0.422	10.7	raining	Y. Souma.
Hamamatsu	30.03	762.7	30.13	765 2	45.0	7.2	92	calm			0		10 n			0.114	2.9	raining	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.06	763.5	30.07	763 8	46.6	8.1	85	n.	2.6	1.2		0	5 n		ne.	0	0	fair	Y. Okamoto.
Kagoshima	30.00	761.9	30.01	762.2	51.0	11.1	78	ne.			4		10 n			0.552	14.0	light rain	
Kanazawa	29.97	761.2	30.08	763.9	44.0	6.7	81	se.	2.2	1.0		0	5ks;s?			map.	map.	cloudy?	S. Endo.
Kioto	29.93	760.3	30.11	764.7	45.1	7.3	89	ne.	1.0	0.4			9 s			0	0	cloudy	M. Tojima.
Kochi	30.08	761.1	30.11	764.8	48.0	8.9	90	nw.	3.1	1.4			10 n			0.111	2.8	raining	K. Masusaki.
Miasaka	30.03	762.8	30.06	763.5	47.9	8.8	94	nnw.			2		10 n		ene.	0.693	17.6	raining	K. Kusunose.
Miyako	29.95	760.7	30.06	763.5	38.0	3.3	81	wsw.	3.4	1.5		0	5 s		nw.	0	0	fair	&T. Ishitain.
Nagasaki, I. M. Obs'y	29.81	757.2	30.02	762.5	47.7	8.7	88	ne.	1.8	0.8		0	3 s			0	0	clear	N. Honno & K. Suwa.
Nemuro	30.13	765.3	30.18	766.6	24.5	— 4.2	49	calm	0	0		0	3 s			0.060	1.5	fair	
Niigata	30.04	763.0	30.08	764.0	43.1	6.2	97	se.	0.9	0.4		0	3 ks		sw.	0	0	fair	A Shibuya.
Nobiru	30.06	763.6	30.08	764.0	45.4	7.4	85	sse.	5.8	2.6			10ks;s			0.070	1.8	covered	Satoo & Tomikawa.
Numadzu	30.07	763.8	30.11	764.7	50.1	10.1	69	sw.			6	0	6 s			0	0	fair	Yoshino & Midzushina.
Osaka	30.10	764.4	30.11	764.9	46.7	8.2	88	se.	3.5	1.5			10 n			0	0	fair	T. Ohgi.
Sakai	30.05	763.3	30.06	763.5	45.5	7.5	92	sse.			2	0	7 ks		wsw.	0.020	0.5	light rain	H. Omura.
Sapporo	29.93	760.2	30.00	761.9	35.0	1.7	90	se.	14.1	6.3			10 sn			0.020	0.5	fair	Yamawchi & Sakamoto.
Shimonoseki	29.91	759.7	30.06	763.4	48.3	9.1	85	e.			1	0	2 s			0.082	2.1	covered	S. Kimura.
Tokei Obs'y, Yeddo	30.00	762.0	30.08	764.0	49.1	9.5	85	ssw.	7.7	3.4			10 s			0.004	0.1	clear	S. Sakano.
Wakayama	30.04	763.1	30.09	764.4	47.4	8.6	88	ne.	1.6	0.7			10 n			0.005	0.1	overcast	The Staff.
MAURITIUS.																0.023	0.6	light rain	K. Sakai.
Mauritius R. A. Observatory	29.69	754.1	29.87	758 7	80.8	27.1	72	ene.	13.0	5.8		2c;cs	4 kn	w.	ene.	0.25	6.3	fair	The Staff.
MEXICAN.																			
Leon	24.30	617.2	30.00	762.0	55.9	13.3	61	n.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.67	753 6	29.93	760.2	62.0	16.7	91	n.	0.9	0.4		0	0			0	0	hazy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.09	764.3	30.09	764.3	40.3	4.6		ene.			4					0	0		
Groningen	30.11	764.7	30.16	766 1	38.7	3.7		e.			2					0	0		
Helder	30.14	765.6	30.14	765.6	39.9	4.4		ne.			5					0	0		
Hellevoetsluis	30.09	764.3	30.09	764.3	39.7	4.3	71	ene.			3					0	0	lightly cl'dy	H. van der Brink.
Utrecht	30.06	763.6	30.11	764.8	41.0	5.0	62	ene.			4		2			0	0		
Sub-series.																			
Batavia, Java	29.83	757.6			78.3	25.7	84	wsw.	1.5	0.7			8			0.012	0.3		Lt.J.J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	30.30	769.7	30.37	771.3	41.0	5.0	54	nnw.	9	4			1			0	0		
Brono	30.27	768.9	30.31	769.9	41.0	5.0	76	sw.			7		10			0.035	0.9	light rain	
Christiania	30.20	767.1	30.35	771.0	42.1	5.6	38	ese.	7	3			4			0	0		
Gjæsvær	29.69	754.2	29.72	754.8	37.0	2.8		sw.			7		10			0.480	12.2	light rain	
Lodingen	29.94	760.4	29.98	761.6	38.1	3.4	90	sw.			7		10			0.024	0.6	foggy	
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos
Funchal, Madeira	30.02	762.5	30.11	764.7	63.7	17.6	52	sw.	6.9	3.1			4	nw.		0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.57	751.1	29.91	759.7	50.1	13.4	47	nnw.	16.8	7.5			5			0.004	0.1		The Staff.
Ponta Delgada, Azores	30.27	768.8	30.34	770.6	59.4	15.2	50	ne.	8.1	3.6			4			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.94	760.4	29.97	761.3	69.1	20.6	65	ne.			3		5			0	0		
San Salvador, Congo	28.00	711.2	29.81	757.2	81.5	27.5	66	sw.			1		0			0	0		
Serra da Estrella	24.97	634 3	29.83	757.6	32.0	0.0	100	nw.	21.7	9.7			10			0.055	1.4	foggy	
RUSSIAN.																			
Akmolinski	29.28	743.6	30.45	773.5	15.6	— 9.1	97	w.	4	2		S ck	0			0.008	0.2		Major K. Lasarew.
Archangel	30.24	768.0	30.26	768.5	33.3	0.7	73	ssw.	4	2		3 cs	0			0	0		Capt. Sselliwerstow.
Ashuradа	30.19	766.7	30.09	764.3	55.9	13.3	70	wnw	4	2			10			0	0		
Astrakhan	30.45	773.3	30.37	771.3	40.1	4.5	54	ese.	18	8		cs	4 s					light clouds	Capt. Wisganow.
Baku	30.20	767.0	30.15	765.8	51.1	10.6	73	sse.	9	4		0	2 s			0	0		
Barnaul	29.92	759.9	30.46	773 7	16.9	— 8.4	85	ssw.	9	4			2			0	0	igh c uds	Meteorological Office.
Bielosersk	29.80	758.4	30.35	770.8	35.1	1.7	70	ene.	7	3			10 s			0.016	0.4		
Dorpat	29.98	761.5	30.23	767.9	36.9	2.7	72	nne.	9	4			10 ks			0	0		Rosenthal.
Ekaterinburg	29.43	747.4	30.43	773.0	30.0	2.2	56	w.	13	6		0	5 n			0	0		Meteorological Obs'y.
Elisawetgrad	29.54	750.4	30.00	762.0	45.1	7.3	96	se.	11	5			10 n			0.142	3.6		
Kasan	30.32	770.2	30.01	777.4	34.3	1.3	51	ssw.	2	1		7 cs	0			0	0	light clouds	Observatory.
Kem	30.19	766.7	30.24	768.0	31.3	— 0.4	66	sw.	18	8			3 s			0	0	light clouds	
Kertch	30.01	762.2	30.03	762.8	57.7	14.3	68	calm	0	0		0	7 k			0	0		Lagorio & Sastyrew.
Kieff	29.30	744.1	29.95	760.7	39.4	4.1	95	se.	7	3			10 n			0.020	0.5		Observatory.
Koslov	29.85	758.1	30.39	771.9	23.4	— 4.8	80	ese.	16	7		4 cs	0			0	0		
Lgov	29.00	751.9	30.22	767.6	29.7	— 1.3	88	ese.	22	10			10			0	0		R. I. Ssaweljew, Eu rin't.
Libau	30.11	764.8	30.13	765.4	37.6	3.1	70	ene.	16	7			10			0.024	0.6		Meteorological Obs'y.
Lugan	29.93	760.3	30.15	765.7	33.1	0.6	87	e.	22	10			10			0	0		Meteorological Obs'y
Moscow	29.85	758.1	30.36	771.2	24.3	— 4.3	75	s.	7	3		0	0			0	0		
Nertschinsk	27.92	709.1	30.41	772.4	10.9	—11.7	36	nnw.	2	1			0			0	0		Capt. Kurdakow.
Nikolaiev	29.88	758.9	29.95	760.7	58.8	14.9	66	sw.	9	4		2 cs	0			0	0		

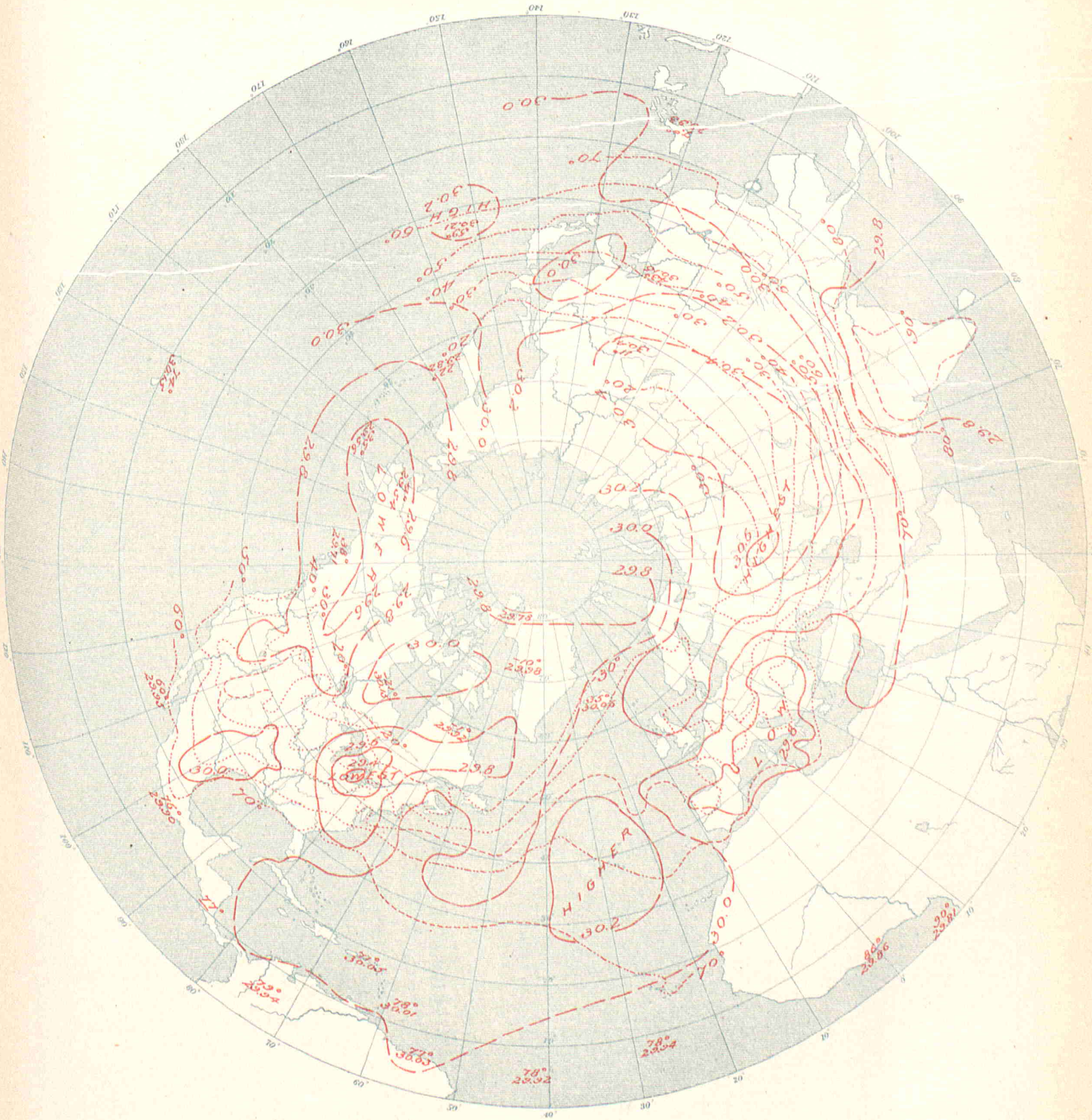
STATIONS	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	m2n.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.17	766 2	30.25	763.4	9.9	—12.3	84	e.	4	2	.....	3 ck	0	.....	.....	.....	.....	light snow..	Iwanow.
Pekin, China	30.01	762 3	30.15	765.9	43.0	6.1	17	nw.	5.6	2.5	.....	0	2 s	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	30.06	763 4	30.42	772.7	46.2	7.9	31	ne.	7	3	.....	.....	3 s	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.08	764.0	30.28	769.2	31.3	— 0.4	90	se.	7	3	.....	0	8 ks	.....	.....	0.157	4.0	.....	Dr. Bergmann.
Pinsk	29.41	747.0	29.92	759.9	39.9	4.4	90	ese.	13	6	.....	.....	10 s	.....	.....	0.039	1.0	.....	.....
Poti	30.00	761.9	30.03	762.7	54.9	12.7	89	ssw.	7	3	.....	.....	7 ks	.....	.....	0	0	.....	.....
St. Petersburg	30.21	767 3	30.23	767.9	32.5	0.3	89	ne.	9	4	.....	.....	10 n	.....	.....	0.004	0.1	.....	Central Physical Obs'y.
Samarkand	27.75	704 9	30.28	769 2	45.5	7.5	62	e.	22	10	.....	0	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.84	757.9	30.57	776.5	9.1	—12.7	84	w.	4	2	.....	.....	0	.....	.....	inap.	inap.	.....	Major Insarew
Sevastopol	29.77	756 2	29.98	701.5	64.8	18.2	44	s.	11	5	.....	0	3 s	.....	.....	0	0	.....	.....
Staroi Bykhov	29.48	748.7	30.06	763 5	32.4	0.2	98	e.	11	5	.....	.....	10	.....	.....	.....	.....	light snow..	Carl Hagen.
Tashkend, Laboratory	28.69	728.8	30.41	772 5	46.6	8.1	40	nw.	4	2	.....	.....	0	.....	.....	.....	.....	.....	Teren, A. A.
Tiflis	28.67	728 3	30.10	764.5	54.9	12.7	48	se.	7	3	.....	6 cs	0	.....	.....	0.016	0.4	.....	Physical Observatory
Vernoe	27.82	706.5	30.47	773.8	29.3	— 1.5	72	n.	2	1	.....	0	1 k	.....	.....	.....	.....	.....	Lariono.
Viatka	29.89	759.1	30.55	775.9	33.1	0.6	72	s.	4	2	.....	.....	10	.....	.....	0	0	.....	.....
Vladivostock	29.73	755.1	29.80	756.8	32.2	0.1	90	e.	40	18	.....	.....	10 n	.....	.....	0.244	6.2	.....	.....
Warsaw	29.41	747.1	29.85	758.2	36.9	2.7	85	e.	13	6	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.21	767.3	30.52	775.1	28.4	— 2.0	50	w.	2	1	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.70	754.4	30.21	767.3	26.6	— 3.0	62	se.	19.8	8.9	.....	0	0	.....	.....	0.02	0.5	clear.....	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.67	753.5	29.78	756.3	55.9	13.3	59	s.	.....	.....	.....	0	4 kn	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.74	755 3	29.80	756.8	57.4	14.1	58	nw.	1.3	0.6	.....	2	6	sw.	.....	0.102	2.6	almost cov'd	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.78	680.2	29.78	756.4	45.0	7.2	55	e.	6.3	2.8	.....	.....	9	.....	.....	0	0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.49	698.2	29.70	754 3	56.7	13.7	47	sw.	7.6	3.4	.....	.....	10	.....	.....	0	0	covered.....	The Staff.
Murcia, Met. Obs'y	29.61	752.0	29.76	756.0	58 8	14.9	82	e.	5.4	2.4	.....	5	5	wnw.	.....	0.126	3.2	raining.	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.83	732.3	29.73	755.1	50.2	10.1	86	w.	5.6	2.5	.....	.....	8	.....	.....	0.146	3.7	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.96	761.0	30.03	762.7	72.3	22.4	87	sse.	2.0	0.9	.....	0	k	.....	.....	0	0	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.87	758.6	29.93	760.1	78.5	25.8	61	se.	15.4	6.9	.....	0	s	.....	.....	0	0	clear.....	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.82	757.5	29.92	760.0	57.2	14.0	58	w.	17.8	8.0	.....	3	2	w.	w.	0.272	6.9	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.96	761.0	30.05	763.3	70.5	21.4	88	calm	0	0	.....	3 kn	4 kn	w.	w.	0.071	1.8	raining	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.14	765.5	30.18	766.5	29.1	— 1.6	88	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Umea	30.26	768.6	30.31	769.9	39.6	4.2	65	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Hernosand	30.26	768.5	30.31	769.8	41.0	5.0	54	ssw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Stockholm	30.16	766.1	30.34	770.6	37.0	2.8	55	ese.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Wisby	30.13	765 2	30 19	766.7	41.4	5.2	54	ene.	.....	.....	6	.....	5	.....	.....	0.008	0.2	.....	.....
Sub-series.																			
Upsala	30.26	768.5	30.34	770.7	36.0	2.2	62	n.	2.5	1.1	.....	.....	.....	.....	e.	0.004	0.1	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.40	721.4	29.66	753 4	43.7	6.5	52	n.	.....	.....	2	.....	3	.....	.....	0	0	fair.....	.....
TURKISH.																			
Constantinople	.....	.....	29.94	760.5	64.6	18.1	49	ssw.	12	5.5	.....	.....	1	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.89?	759.17	59.4	15.2	.....	s.	.....	.....	3	.....	10	.....	.....	0.20	5.	covered.....	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.03	762.8	64.6	18.1	66	nw.	.....	.....	2	.....	1 k	.....	se.	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.72	754.9	29.81	757.2	47	8.3	79	s.	7	3.1	.....	.....	10 n	.....	.....	0.05	1.3	light rain....	J. O. Barnes.
Alpena, Michigan	28.79	731.3	29.49	749.0	36	2.2	100	ne.	19	8.5	.....	.....	10 n	.....	.....	0.69	17.5	light rain....	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.95	633 7	29.97	761.2	30.3	— 0.9	84	e.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear.....	J. B. Turton.
Assiniaboine, Ft., Montana	26.81	681.0	29.83	757.7	32.0	0.0	87	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	J.J.O'Connor.
Atlanta, Georgia	28.65	727.7	29.86	758.4	60.0	15.6	70	w.	13	5.8	.....	0	fg.	.....	.....	0.31	7.9	clear.....	S. W. Beall
Atlantic City, New Jersey	29.64	752 8	29.65	753 1	48.0	8.9	100	s.	12	5.4	.....	.....	fg.	.....	.....	0.02	0.5	dense fog....	B.A.Blundon.
Augusta, Georgia	29.61	752.1	29.81	757.2	65	18.3	91	s.	1	0.4	.....	.....	10 ks	.....	sw.	0.74	18.8	cloudy.....	W.J.Evans.
Baltimore, Maryland	29.62	752.3	29.67	753.6	53.5	11.9	90	ne.	1	0.4	.....	.....	fg.	.....	.....	0.41	10.4	dense fog....	Geo W. Folger.
Barnegat City, New Jersey	29.67	753.0	29.69	754.1	50.0	10.0	86	s.	25	11.2	.....	.....	10 s	.....	.....	0.22	5.6	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.15	715.0	29.85	758.2	29.2	— 1.6	79	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear.....	A. Pritchard.
Benton, Fort, Montana	26.82	681.2	29.80	756.9	26.1	— 3.3	70	calm	0	0	.....	0	8 ks	.....	sw.	0	0	cloudy	C.S.Bennett.
Bismarck, Dakota	27.90	708.6	29.82	757.4	33.5	0.8	88	e.	2	0.9	.....	0	9 s	.....	sw.	0	0	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.88	758.9	29.90	759.4	41.5	5.3	92	se.	12	5.4	.....	.....	10 n	.....	se.	inap.	inap.	light rain....	J. T. Ecker.
Boise City, Idaho	26.77	679.9	29.69	754.1	40.5	4.7	82	n.	6	2.7	.....	.....	10 n	.....	.....	0.17	4.3	light rain....	James Kenealy.
Boston, Massachusetts	29.78	756.4	29.94	760 5	39.5	4.2	89	se.	10	4.5	.....	.....	10 k	.....	w.	0	0	cloudy.....	O. B. Cole.
Brownsville, Texas	29.94	760.5	30.00	762.0	54.8	12.7	80	n.	2	0.9	.....	0	0	.....	.....	0.02	0.5	clear.....	John McGlone.
Buffalo, New York	28.71	729 2	29.50	749.3	51.1	10.6	79	se.	6	2.7	.....	0	8 k	.....	sw.	0.17	4.3	cloudy.....	D.Cuthbertson.
Buford, Fort, Dakota	27.63	701.8	29.79	756.7	32.8	0.4	88	e.	1	0.4	.....	0	1 s	.....	.....	0	0	clear.....	A. Schneider.
Cairo, Illinois	29.54	750.3	29.96	761.0	52.7	11.5	65	n.	10	4.5	.....	0	0	.....	.....	0.23	5.8	clear.....	W. H. Ray.
Canby, Fort, Washington Ter	29.65	753.1	29.85	758.2	42.1	5.6	71	w.	5	2.2	.....	0	2 k	.....	.....	0.47	11.9	clear.....	J.H.Young.
Cape Henry, Virginia	29.64	752.8	29.66	753.4	60.0	15.6	87	s.	12	5.4	.....	.....	10 s	.....	.....	0.20	5.1	cloudy.....	A. K. Alderson.
Cape May, New Jersey	29.03	752.6	29.66	753.4	48.0	8.9	96	se.	18	8.0	.....	.....	fg	.....	.....	0	0	dense fog....	W.E.Smith.
Cape Mendocino, California	29.21	741.9	29.90	759.4	39	3.9	86	nw.	44	19.7	.....	.....	10 n	.....	.....	0.27	6.9	heavy rain..	A. P. Leavitt.
Cedar Keys, Florida	29.93	760.2	29.95	760.7	71.3	21.8	95	sw.	17	7.6	.....	.....	10 s	.....	sw.	0	0	cloudy.....	G. W. Davis.
Charleston, S. Carolina	29.75	755.6	29.81	757.2	67.0	19.4	90	sw.	11	4.9	.....	.....	10 s	.....	sw.	inap.	inap.	threatening.	J. H. Smith.
Charlotte, N. Carolina	28.86	733.0	29.74	755.4	60.7	15.9	89	sw.	3	1.3	.....	0	fg.	.....	.....	2.05	52.1	clear.....	D. O'Donoghue.
Chattanooga, Tennessee	29.01	736.8	29.86	758.4	58.0	14.4	53	nw.	10	4.5	.....	0	0	.....	.....	0.05	1.3	clear.....	B. L. Goulding.
Cheyenne, Wyoming	23.80	604.5	30.00	762.0	27.2	— 2.7	59	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	E. McGovern.
Chincoteague, Virginia	29.04	737.6	29.78	756.4	42.2	5.7	78	nw.	8	3.6	.....	.....	10 s	.....	nw.	3.01	76.5	cloudy.....	Wm. Norrington.
Cincinnati, Ohio	29.64	752.8	29.66	753 4	51.3	10.7	100	s.	8	3.6	.....	.....	fg.	.....	.....	0.07	1.8	dense fog....	C. F. Dickens.
Cleveland, Ohio	29.00	736.6	29.69	754.1	51.0	10.6	76	w.	12	5.4	.....	.....	10 n	.....	w.	0.37	9.4	light rain....	L. Dunne.
Columbus, Ohio	28.67	728.2	29.45	748.0	48.0	8.9	86	sw.	14	6.3	.....	.....	10 n	.....	sw.	0.06	1.5	light rain....	W. Line.
Concho, Fort, Texas	28.68	728.5	29.57	751.1	47.2	8.4	84	sw.	14	6.3	.....	.....	10 s	.....	sw.	0.35	8.9	cloudy.....	F.T. Williams.
Custer, Fort, Montana	28.08	713.2	30.05	763.3	42.9	6.1	76	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	C. E. King.
Davenport, Iowa	26.52	673.6	29.85	758.2	27.7	— 2.4	84	e.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	W.J.Daily.
Davis, Fort, Texas	29.15	740.4	29.84	757.9	40.0	4.4	82	w.	5	2.2	.....	0	hz.	.....	.....	1.16	29.5	clear.....	R. R. Martin.
Dayton, Washington Ty	25.10	637.5	29.97	761.2	39.7	4.3	73	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	J. Williams.
Deadwood, Dakota	27.93	709.4	29.75	755.6	39.2	4.0	81	sw.	1	0.4	.....	.....	10 n	.....	.....	0.04	1.0	light rain....	T.Gibson.
Delaware Breakwater, Del.	25.12	638.0	29.99	761.0	34.0	1.1	82	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	G.W.Scott.
Denver, Colorado	29.66	753.4	29.68	753.9	54.2	12.3	97	s.	19	8.5	.....	.....	10 s	.....	.....	0.50	12.7	cloudy.....	G.A.Martin.
Des Moines, Iowa	24.53	623 1	29.97	761.2	32.3	0.2	76	sw.	1	0.4	.....	0	0	.....	.....	inap.	inap.	clear.....	F. M. Neal.
Detroit, Michigan	28.97	735.8	29.93	760.2	37.5	3.1	76	nw.	1	0.4	.....	0	fg.	.....	.....	0.16	4.1	clear.....	F. W. Conrad.
Dodge City, Kansas	28.65	727.7	29.40	746.7	48.1	8.9	93	sw.	7	3.1	.....	.....	10 n	.....	.....	0.36	9.1	light rain....	N.B.Conger.
Dubuque, Iowa	27.27	692.6	30.00	762.0	38.7	3.7	69	e.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	J.E.Lanouette.
Duluth, Minnesota	29.05	737.9	29.80	756.9	40.8	4.9	80	nw.	2	0.9	.....	0	2 s	.....	.....	0.94	23.9	clear.....	J. Harvey Smith
Eastport, Maine	29.05	737.9	29.84	757.9	32.6	0.3	84	calm	0	0	.....	0	3 s	.....	.....	0	0	clear.....	E.R.Brace.
Elliott, Fort, Texas	29.94	760.5	30.01	762.2	36.0	2.2	69	calm	0	0	.....	0	hz.	.....	.....	0	0	clear.....	D. C. Murphy.
El Paso, Texas	27.16	689.9	29.98	761.5	40	4.4	67	s.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	J. C. Rickli.
Erie, Pennsylvania	26.14	663 9	29.91	760.5	38.0	3.3	64	calm	0	0	.....	0	1 s	.....	.....	0	0	clear.....	F. Belford.
Escanaba, Michigan	28.68	728.5	29.45	748.0	51.8	11.0	82	s.	13	5.8	.....	.....	10 n	.....	.....	0.32	8.1	light rain....	P. Wood.
Fort Smith, Arkansas	29.00	736.6	29.71	754.6	36.5	2.5	75	n.	8	3.6	.....	.....	10ks;s	.....	nw.	0.02	0.5	cloudy	L.M.Pindell.
Galveston, Texas	29.51	749.5	30.00	762.0	45.2	7.3	93	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	J. B. Campbell.
Grand Haven, Michigan	29.95	761.5	30.02	762.5	64.4	18.0	65	ne.	14	6.3	.....	3 c	0	w.	.....	0	0	clear.....	E. O'C. Macinerney
Grant, Fort, Arizona	28.83	732.3	29.53	750 0	33.0	3 3	94	nw.	21	9.4	.....	.....	10 s	.....	nw.	1.89	48.0	cloudy.....	Joseph E. Mueller.
Hatteras North Carolina	25.04	636.0	29.87	758 7	44.7	7.1	52	e.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	Chas. A. Read.
	29.74	755.4	29.75	755.6	65.3	18.5	100	s.	15	6.7	.....	.....	10 n	.....	se.	0.23	5.8	thund'rst'm	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
United States.—Cont'd.																			
Helena, Montana	25.46	646.7	29.78	756.4	35.5	1.9	81	w.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.36	720.3	29.84	757.9	30	— 1.1	95	se.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	S. W. Glenn.
Indianapolis, Indiana	28.84	732.5	29.68	753.9	44.7	7.1	78	nw.	13	5.8	.....	.....	10 n	.....	nw.	0.61	15.5	light rain	C. F. R. Wappenhans
Indianola, Texas	29.98	761.5	30.01	762.2	65.2	18.4	61	n.	7	3.1	.....	4 k	0	s.	.....	0	0	fair	I. A. Reed.
Jacksonville Florida	29.85	758.2	29.90	759.4	73.4	23.0	83	sw.	12	5.4	.....	2 cs	8 s	.....	sw.	0	0	cloudy	J. W. Smith.
Keokuk, Iowa	29.21	741.9	29.90	759.4	41.5	5.3	92	w.	5	2.2	.....	0	0	.....	.....	1.46	37.1	clear	F. Z. Gosewisch.
Key West, Florida	29.98	761.5	30.00	762.0	76	24.4	84	s.	7	3.1	.....	0	1 k	.....	s.	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	29.68	753.9	29.70	754.4	59.6	15.3	100	s.	2	0.9	.....	0	4ks;fg	.....	s.	1.64	41.7	fair	Wesley Blake.
Knoxville, Tennessee	28.74	730.0	29.80	756.9	55 5	13.1	59	w.	12	5.4	.....	0	0	.....	.....	2.32	58.9	clear	J. A. Cody.
La Crosse, Wisconsin	28.99	736.3	29.81	757.2	38.6	3.7	75	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	S. C. Emery.
Leavenworth, Kansas	29.03	737.3	29.97	761.2	36.5	2.5	89	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	C. Dill.
Lewiston, Idaho	28.83	732.3	29.89	759.2	43.0	6.1	88	nw.	1	0.4	.....	.....	10 n	.....	.....	0.32	8.1	light rain	O. E. Butler.
Little Rock, Arkansas	29.67	753 6	30.00	762.0	51.0	10.6	86	w.	1	0.4	.....	0	0	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.58	751.3	29.98	761.5	40.5	4.7	84	ne.	5	2.2	.....	0	5 s	.....	se.	0.13	3.3	fair	T. S. Collins
Louisville, Kentucky	29.15	740.4	29.74	755.4	52.0	11.1	72	w.	20	8.9	.....	.....	10 s	.....	w.	0.85	21.6	cloudy	E. B. Garriott.
Lynchburg, Virginia	28.96	735 6	29.68	753.9	56.0	13.3	93	calm	0	0	.....	.....	10 s	.....	.....	0.43	10.9	cloudy	Jno. Healy.
Mackinaw City, Michigan	28.91	734 3	29.61	752.1	40.7	4.8	76	e	6	2.7	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.71	754.6	29.72	754.9	62.3	16.8	100	s.	36	16.1	.....	.....	10 n	.....	sw.	0.63	16.0	thund'r st'm	William Daly.
Maginnis, Fort, Montana	25.38	644.6	29.98	761.5	30.3	— 0.9	41	sw.	8	3.6	.....	5 k	0	.....	.....	0	0	fair	F. Burke.
Marquette, Michigan	29.01	736.8	29.78	756.4	35.1	1.7	70	nw.	12	5.4	.....	4 k	6 s	nw.	nw.	0	0	cloudy	J. Gilligan.
Memphis, Tennessee	29.60	751.8	29.95	760.7	54.0	12.2	55	w.	4	1.8	.....	0	0	.....	.....	0.21	5.3	clear	D. T. Flannery.
Milwaukee, Wisconsin	28.89	733.8	29.68	753.9	40 2	4.6	84	nw.	24	10.7	.....	.....	10 s	.....	nw.	0.50	12.7	cloudy	S. W. Rhode.
Mobile, Alabama	29.88	758.9	29.92	760.0	67.6	19.8	55	n.	9	4.0	.....	8 k	0	sw.	.....	0.30	7.6	cloudy	H. U. Jones.
Montgomery, Alabama	29.65	753.1	29.89	759.2	62.3	16.8	91	w.	6	2.7	.....	0	0	.....	.....	0.09	2.3	clear	S. M. Leitzell.
Moorhead, Minnesota	28.85	732.8	29.93	760.2	24	— 4.4	100	n.	6	2.7	.....	.....	fg.	.....	.....	0	0	dense fog	H. Bessant.
Mt. Washington, N. H.	23 59	599.2	30.11	764.8	25.0	— 3.9	93	s.	38	17.0	.....	.....	10 s	.....	s.	inap.	inap.	cloudy	J. H. Melton.
Nashville, Tennessee	29.28	743.7	29.88	758.9	53.6	12.0	64	nw.	18	8.0	.....	.....	10 ks	.....	nw.	2.33	59.2	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.75	755.6	29.87	758.7	41.4	5.2	94	e.	15	6.7	.....	.....	10 n	.....	e.	0.15	3.8	light rain	J. H. Sherman.
New London, Connecticut	29.86	758.4	29.91	759.7	42.6	5.9	100	se.	14	6.3	.....	.....	10 n	.....	se.	0.04	1.0	light rain	J. G. Lynch.
New Orleans, Louisiana	29.89	759.2	29 95	760.7	67.7	19.8	53	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	M. Herman.
New York, New York	29.56	750.8	29.74	755.4	45.8	7.7	100	e.	13	5.8	.....	.....	10n;fg	.....	e.	0.31	7.9	heavy rain	W. Finn.
Norfolk, Virginia	29.64	752 8	29.67	753.6	60.2	15.7	92	s.	7	3.1	.....	.....	1 k	.....	sw.	0.60	15.2	cloudy	Wm. Davis.
North Platte, Nebraska	26.92	683.8	29.98	761.5	33.6	0.9	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	E. F. Brady.
Olympia, Washington Ter	29.80	756.9	29.84	757.9	39.0	3.9	89	nw.	1	0.4	.....	.....	10 n	.....	.....	0.15	3.8	light rain	J. Dascomb
Omaha, Nebraska	28.70	729.0	29.95	760.7	40.0	4.4	84	calm	0	0	.....	0	0	.....	.....	0.48	12.2	clear	A. Pollak
Oswego, New York	29.26	743.2	29.00	751.8	45.3	7.4	83	se.	16	7.2	.....	0	2 s	.....	sw.	0.22	5.6	clear	J. G. Linsley.
Palestine, Texas	29.48	748.8	30.05	763.3	53.2	11.8	72	n.	6	2.7	.....	2 cs	0	w.	.....	0	0	clear	P. T. Jenkins.
Pensacola, Florida	29.87	758.7	29.90	759.4	69.5	20.8	84	nw.	4	1.8	.....	.....	10 s	.....	nw.	0.01	0.3	cloudy	M. McGauran.
Philadelphia, Pa	29.58	751.3	29.68	753.9	53.0	11.7	100	se.	1	0.4	.....	.....	10 n	.....	.....	0.28	7.1	light rain	T. F. Townsend.
Pike's Peak, Colorado	17.51	444.7	30.10	764.5	2.0	—16.7	91	sw.	112	50.0	.....	0	0	.....	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	28.69	728.7	29.54	750.3	55.0	12.8	69	s.	9	4.0	.....	.....	10 n	.....	sw.	0.29	7.4	light rain	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	28.3	— 2.1	.....	.....	.....	.....	.....	0	0	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	28.64	727 4	29.36	745.7	42.6	5.9	95	s.	7	3.1	.....	.....	10 s	.....	.....	0.54	13.7	cloudy	M. H. Perry
Portland, Maine	29.90	759.4	29.95	760.7	41.0	5.0	78	calm	0	0	.....	.....	10s;sk	.....	.....	0	0	cloudy	W. W. Eichelberger.
Portland, Oregon	29.77	756.1	29.84	757.9	37.5	3.1	80	calm	0	0	.....	0	8 s	.....	.....	0.03	0.8	cloudy	M. L. Hearne.
Prescott, Arizona	24.48	621.8	29.86	758.4	36.0	2.2	69	se.	10	4.5	.....	0	0	.....	.....	0	0	clear	N. D. Lane.
Provincetown, Mass	29.04	760.5	29.97	761.2	40.1	4.5	88	s.	10	4.5	.....	10 cs	0	.....	.....	0	0	cloudy	C. N. Kitchel.
Red Bluff, California	29.52	749 8	29.88	758.9	42	5.6	100	s.	3	1.3	.....	.....	10 s	.....	.....	0.88	22.4	cloudy	J. R. Williams
Rio Grande City, Texas	29.80	756.9	30.04	763.0	54.0	12.2	58	n.	1	0.4	.....	0	0	.....	.....	0	0	clear	L. G. Schultz.
Rochester, N. Y	28.85	732.8	29.55	750.6	48.5	9.2	80	se.	20	8.9	.....	3 k	lx.	w.	.....	0.09	2.3	clear	E. W. McGann.
Roseburg, Oregon	29.32	744.7	29.88	758.9	39.7	4.3	80	w.	1	0.4	.....	0	8 s	.....	w.	0.24	6.1	cloudy	J. J. Naury.
Sacramento, California	29.82	757.4	29.89	759.2	42.2	5.7	89	se	10	4.5	.....	.....	10 s	.....	se.	0.51	13.0	cloudy	J. A. Barwick.
St. Louis, Missouri	29.27	743.4	29.92	760.0	47 0	8.3	77	w	17	7.6	.....	0	0	.....	.....	0.35	8.9	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.51	749.5	29.54	750.3	4	—15.0	85	n.	19	8.5	.....	0	0	.....	.....	0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	28.95	735.3	29.86	758.4	35.7	2.1	64	w.	5	2.2	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	P. F Lyons.
St. Vincent, Minnesota	28.90	734.0	29.84	757.9	18.5	- 7.5	91	s.	2	0.9	.....	3 ck	0	s.	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.28	642.1	29.80	756.9	41.7	5.4	57	se.	4	1.8	.....	3 k	0	sw.	.....	0	0	clear	J. Craig.
San Diego, California	29.88	758.9	29.95	760.7	48.0	8.9	89	se.	3	1.3	.....	0	7 n	.....	sw.	0.51	13.0	light rain	F. R. Day.
Sandusky, Ohio	28.70	729.0	29.42	747.3	47	8.3	86	sw.	18	8.0	.....	.....	10 c	.....	sw.	0.70	17.8	light rain	B. F. Hough.
Sandy Hook, New Jersey	29.69	754.1	29.72	754.9	46 3	7.9	88	se.	20	8.9	.....	.....	10 n	.....	se.	0.42	10.7	light rain	V. P. Chappel.
Sanford, Florida	29.88	758.9	29.93	760.2	70.5	21.4	83	sw.	6	2.7	.....	7 c	0	w.	.....	0	0	fair	J. B. Marbury
San Francisco, California	29.79	756.7	29.86	758.4	47.0	8.3	86	nw.	5	2.2	.....	.....	9 n	.....	nw.	0.39	9.9	light rain	N. Gorom.
Savannah, Georgia	29.74	755.4	29.83	757.7	71.5	21.9	90	sw.	8	3.6	.....	.....	10 n	.....	sw.	0.31	7.9	light rain	H. W. Ford.
Shaw, Fort, Montana	26.02	660 9	29.82	757.4	27.5	— 2.5	72	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.79	756.7	29.96	761.0	54.6	12.6	81	n.	2	0.9	.....	.....	hz.	.....	.....	0	0	dense haze	E. N. Meekins.
Sitka, Alaska	29.64	752.8	29.71	754.6	37.6	3.1	84	e.	11	4.9	.....	.....	10 ks	.....	e.	0.17	4.3	cloudy	F. W. Fickett.
Smithville North Carolina	29.71	754.6	29.75	755.6	63.5	17.5	95	w.	16	7.2	.....	.....	10 n	.....	w.	0.02	0.5	thund'r st'm	O. Parker.
Spokane Falls, Wash. Ter.	27.59	700.8	29.72	754.9	36.5	2.5	87	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	D. Moore.
Springfield, Illinois	29.15	740.4	29.87	758.7	44.3	6.8	81	w.	7	3.1	.....	0	0	.....	.....	0.72	18.3	clear	T. B. Jennings.
Stockton, Fort, Texas	26.92	683.8	30.00	762.0	49.3	9.6	47	s.	8	3.6	.....	0	1 s	.....	.....	0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.72	754.9	29.82	757.4	41.0	5.0	87	se.	12	5.4	.....	0	0	.....	.....	0.08	2.0	clear	R. Connor.
Thomas, Camp, Arizona	27.09	688.1	29.87	758.7	36	2.2	64	w.	.....	.....	1	0	0	.....	.....	0	0	clear	R. G. Lord.
Toledo, Ohio	28.69	728.7	29.42	747.3	47	8.3	86	sw.	16	7.2	.....	.....	10 n	.....	w.	0.57	14.5	light rain	A. Buell.
Unalashka, Alaska	29.54	750 3	29.56	750.8	35	1.7	79	w.	18	8.0	.....	.....	8 s	.....	.....	0.04	1.0	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.03	752.6	29.89	759.2	57	13.9	64	n.	4	1.8	.....	0	0	.....	.....	0.53	13.5	clear	F. W. Mixer.
Washington, D. C	29.50	750.8	29.68	753.9	50.0	10.0	99	ne.	1	0.4	.....	.....	fg.	.....	.....	0.95	24.1	dense fog	T. B. Harrison.
West Las Animas, Colorado	25.86	656.8	29.93	760.2	28.8	— 1.8	85	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	F. H. Brandenburg.
Wilmington, N Carolina	29.71	754.6	29.77	756.1	65.0	18.3	84	w.	12	5.4	.....	.....	10 n	.....	w.	3.14	79.8	heavy rain	L. H. Albrecht.
Yankton, Dakota	28.50	723.9	29.89	759.2	38.6	3.7	71	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	E. H. Thompson.
Yuma, Arizona	29.09	754.1	29.84	757.9	53.3	11.8	58	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	W. S Delano.
(Sub-series).																			
Behring Island, Kamchatka	29.80	756.9	29.82	757.4	21.9	— 5.6	81	ne.	12	5.4	.....	0	4 k	.....	.....	0	0	fair	George Oherwick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	82	27.8	.....	.....	2	0	.....	2	2 k	.....	ne.	0	0	fair	W. F. Jackson.
Bogota, U. S. C	22.00	558.8	.....	.....	56.3	13.5	90	n	2	1	.....	2 cs	3 fk	s.	sw.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.76	755.9	29.92	760.0	— 1	—18.3	100	calm	0	0	.....	2 ck	8 s	s.	s.	0.01	0.3	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.04	763.0	73.0	22.8	85	n.	1	0.4	.....	0	3 s	.....	ne.	0.01	0.3	clear	Robert Johnston.
Paramaribo, S. A	30.03	762.7	30.03	762.7	77	25.0	91	e.	.....	.....	3	5 ck	4 s	e.	.....	0.030	0.8	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.38	746.2	29.94	760.5	79	26.1	89	s.	.....	.....	1	.....	10 ks	.....	s.	0	0	cloudy	Francisco J. Cisneros
Rivas, Nicaragua, C. A	.....	.....	.....	.....	76.5	24.7	85	ne.	.....	.....	1	.....	9 ks	.....	ne.	0	0	cloudy	Earl Flint.
York Factory, B. A	30.08	764.0	30.15	765.8	—21.0	—29.4	.....	n.	15	6.7	.....	4 k	1 s	ne.	n.	0.02	0.5	.....	Fortescue & Wood.
U. S. of Colombia. *(Sub series).*																			
Colon	29.99	761.7	30.00	761 9	77.7	25.4	82	n.	6.5	2.9	.....	.....	4 k	.....	n.	0	0	fair	P. Fasiant.
Naôs, Bay of Panama	29.91	759.6	29.97	761.2	73.8	23.2	93	n.	.....	.....	4	.....	1 ks	.....	ne.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, N. 23° 00′, W. 74° 20′	30.11	764.8	72	22.2	.....	sse.	.....	.....	2	.....	5	.....	calm	0	0	short	se.	fair.
S. S. Arizona, N. 46° 47′, W. 35° 05′	30.30	769.6	51	10.6	.....	ssw.	.....	.....	3	.....	10	.....	wsw.	0	0	mod.	wsw.	overcast.
S. S. Alpin, N. 31° 52′, W 74° 10′*†	29.85	758 2	77	25 0	.....	sw.	.....	.....	2	.....	3?	.....	sw.	0	0	mod.	sw.	cloudy.?
S. S. Adriatic, N. 42° 52′, W. 43° 42′ †	30.00	762.0	.....	.....	.....	s.	.....	.....	5	.....	.....	.....	ssw.	.....	.....	mod.	w.	gloomy.
S. S. America, N. 38° —′, W. 32° —′ *	30.31	769.9	62	16.7	77	se.	.....	.....	5	.....	4	.....	nw.	0	0	sm'h	se.	fair.
S. S. Athos, N 12° 48′, W. 78° 12′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	2	.....	ne.	0	0	sm'h	.....	clear.
S. S. Caracas, N. 36° 50′, W. 72° 50′ *†	29.80	756.9	69?	20.6?	90	sse.	.....	.....	7	.....	.....	.....	nw.	2 h'r	2 h'r	long	sse.	rainy.
S. S Donau, N. 41° 04′, W. 48° 43′	29.84	757.9	.....	.....	.....	ssw.	.....	.....	4	.....	10	.....	ssw.	5 h'r	5 h'r	mod.	sw.	covered.
S. S. Devonia, N. 40° 41′, W. 68° 14′†	30.07	763.8	40	4.4	.....	se.	.....	.....	2	.....	8?	.....	w.	0	0	sm'h	.....	clear.?
S. S. England, N. 40° 29′, W. 72° 25′	.....	.....	.....	.....	.....	se.	.....	.....	3	.....	10	.....	se.	0	0	mod.	s.	overcast.
S. S. Elysia, N. 40° 45′, W. 44° 53′ *	29.94	760.5	63	17.2	100	s.	.....	.....	5	.....	8	.....	s.	1 h'r	1 h'r	sm'h	.....	fair.
S. S. France, N. 46° 32′, W. 27° 38′ *†	30.38	771.6	.....	.....	.....	wnw.	.....	.....	2	.....	7	.....	wnw.	.....	.....	sm'h	wnw.	fair.
S. S. Gellert, N. 52° 36′, E. 3° 30′	30.11	764.8	57.5?	14.2?	?	ssw.	.....	.....	6	.....	2?	.....	sse	0	0	long	sse.	covered.?
S. S. Habsburg, N. 40° 06′, W. 67° 42′	30.08	764.0	.....	.....	.....	sse.	.....	.....	1	.....	7	.....	ese.	0	0	sm h	sse.	fair.
Schr. John Bracewell, N. 41° 06′, W. 72° 35′	.....	.....	40	4.4	.....	e.	.....	.....	5	.....	10	.....	se.	0	0	.....	.....	cloudy.
S. S. Lampassas, N. 37° 44′, W. 74° 11′	.....	.....	60?	15.6?	.....	sse.	.....	.....	3	.....	9	.....	w.	5 h'r	5 h'r	long	se.	overcast.
Bg. L. F. Munson, N. 36° 40′, W. 74° 10′ *†	29.74	755.4	62	16.7	.....	s.	.....	.....	6	.....	8	.....	sw.	3 h'r	3 h'r	r'gh	sse.	clearing.
S. S. Nurnberg, N. 40° 30′, W. 45° 07′	29.89	759.2	64.4	18.0	.....	s	.....	.....	3	.....	8	.....	s.	2 h'r	2 h'r	r'gh	ssw.	squally.
S. S. New York, N. 26° 30′, W. 79° 45′*†	30.04	763.0	78	25.6	.....	sw.	.....	.....	2	.....	2	.....	sw.	.....	.....	sm'h	.....	clear.
S. S. Nessmore, N. 43° 00′, W. 42° 01′	.....	.....	58	14.4	88	sw.	.....	.....	6	.....	6	.....	sw.	6 h'r	6 h'r	cross	sw.	fair.
S. S. Orinoco, Hamilton, Bermuda †	30.09	764.3	70	21.1	.....	ne.	.....	.....	3	.....	5	.....	ne.	1 h'r	1 h'r	.....	.....	fine.
Bk. Orpheus, N. 40° 05′, W. 72° 33′ *	29.82	757.4	48	8.9	.....	sse.	.....	.....	5	.....	10 k	.....	.....	0	0	sm'h	.....	overcast
S. S. Pennsylvania, N. 43° 16′, W. 41° 10′	.....	.....	61	16.1	100	s.	.....	.....	5	.....	5	.....	sse.	0	0	.....	.....	fair.
S. S. Rhaetia, N. 40° 46′ W. 63° 56′	.....	.....	52	11.1	.....	e	.....	.....	4	.....	1	.....	e.	0	0	long	s.	clear.
S. S. Rugia, N. 47° 17′, W. 30° 10′	30.28	769.1	54	12.2	.....	sw.	.....	.....	3	.....	10	.....	sw.	0	0	4	wsw.	cloudy.
S. S. Rhynland, N. 48° 27′, W. 22° 23′	.....	.....	50	10.0	.....	nw.	.....	.....	4	.....	.....	.....	nw.	0	0	mod.	nw.	fair.
S. S. State of Florida, N. 53° 48′ W. 21° 56′ *	30.04	763.0	46	7.8	.....	w.	.....	.....	1	.....	4	.....	w.	2 h'r	2 h'r	sli't	w.	fine.
Bg. Rising Sun, N. 36° 30′, W. 70° 35′	.....	.....	62	16.7	.....	s.	.....	.....	5	.....	9	.....	ssw.	0	0	mod.	s.	
S. S. Salerno, N. 43° 31′, W. 39° 07′†	30.25	768.3	61	16.1	.....	ssw.	.....	.....	4	.....	3	.....	ssw.	0	0	r'gh	ssw.	clear.
S. S. Salier, N. 49° 25′, W. 19° 29′	.....	.....	.....	.....	.....	nne.	.....	.....	6	.....	10	.....	nne.	2 h'r	2 h'r	mod.	nne.	sprinkling.
S. S. Switzerland, N. 40° 01′, W. 53° 41′*†	29.97	761.2	.....	.....	.....	nw.	.....	.....	3	.....	5	.....	n.	9 h'r	9 h'r	mod.	nw.	threatening.
S. S. Samaria, N. 46° 15′, W. 40° 34′*	30.03	762.7	52	11.1	.....	ssw.	.....	.....	6	.....	10	.....	ssw.	0	0	r'gh	ssw.	overcast.
S. S. State of Georgia, N. 55° 21′, W. 60° 06′†	30.21	767.3	49	9.4	.....	se.	.....	.....	5	.....	5	.....	se.	0	0	sm'h	.....	hazy.
S. S. The Queen N. 52° 00′, W. 6° 50′	30.11	764.8	48	8.9	92	ene.	.....	.....	5	.....	5	.....	e.	3 h'r	3 h'r	sm'h	ese.	light haze.
Bk. Tuck Sing, N. 23° 05′, W. 83° 46′*†	30.00	762.0	.....	.....	.....	se.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Valencia, La Guayra, Venezuela †	29.99	761.7	78	25.6	82	nne.	.....	.....	1	.....	1	.....	ne.	0	0	light	nne.	clear.
S. S. Westernland, Jersey City, N. J	29.75	755.6	51	10.6	.....	ese.	.....	.....	5	.....	10	.....	ese.	.....	.....	.....	.....	rainy.
S. S. Wieland, N. 41° 27′, W. 48° 20′	.....	.....	41	5.0	.....	ne.	.....	.....	4	.....	3?	.....	ne.	10 h'r	10 h'r	mod.	ne.	covered.?
S. S. Weser, N. 49° 25′, W. 12° 21′	29.98	761.5	48.2	9.0	.....	e.	.....	.....	5	.....	8	.....	e.	1 h'r	1 h'r	mod.	e.	cloudy.
S. S. Ontario, N. 49° 51′, W. 31° 30′	.....	.....	58	14.4	94	sw.	.....	.....	4	.....	4	.....	w.	2 h'r	2 h'r	mod.	nw.	fair.
S. S. Cienfuegos, N. 19° 30′, W. 76° 57′	30.04	763.0	75	23.9	.....	sw.	.....	.....	2	.....	1	.....	e	0	small	se.	clear.
Schr Adda Doane, Herring Bay, Md. †	29.67	753.6	.....	.....	.....	wsw.	.....	.....	1	.....	fg	.....	.....	3 h'r	3 h'r	.....	.....	foggy
S. S. Baltic, Queenstown, Ireland*†	30.06	763.5	.....	.....	.....	se.	.....	.....	3	.....	2	.....	se.	0	0	sm'h	.....	clear.
S. S. Chalmette, New York, N. Y *†	29.81	757.2	51	10.6	.....	se.	.....	.....	5	.....	10	.....	se.	0	0	.....	.....	rainy.
S. S. D. J. Foley, Bombay Hook Island, Del †	29.77	756.1	.....	.....	.....	se.	.....	.....	2	.....	10	.....	.....	4 h'r	4 h'r	.....	.....	dense fog
S. S. Erin, London, Eng†	30.12	765 0	50?	10.0?	.....	ene.	.....	.....	3	.....	9	.....	ne.	0	0	.....	.....	cloudy.
S. S. Grecian, Bowline, Scotland	30.29	769.4	45	7.2	76	ne.	.....	.....	2	.....	10	.....	ne.	0	0	.....	.....	cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I	.....	.....	.....	.....	.....	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Ohio, (Am) Liverpool, Eng †	30.20	767.1	42.5	5.8	91	e.	.....	.....	3	.....	2?	.....	e.	0	0	.....	.....	overcast ?
S. S. Rosse, N. 4° 42′, W. 43° 10′	29.92	760.0	78	25.6	89	e.	.....	.....	3	.....	6	.....	ne.	3 h'r	3 h'r	short	var.	showery.
S. S. St. Laurent, N. 48° 06′, W. 30° 15′	30.28	769.1	54.5	12.5	.....	wsw.	.....	.....	3	.....	10	.....	wsw.	0	0	mod	wnw.	covered.
Bgt. Sunlight, N. 24° 12′, W. 69° 06′*†	30.10	764.5	.....	.....	.....	n	.....	.....	1	.....	3	.....	ne.	0	0	sm'h	.....	fair.
Schr. Viola Reppard, N. 25° 13′, W. 78° 55′	.....	.....	78	25.6	.....	sse.	.....	.....	2	.....	2	.....	sse.	0	0	sm'h	.....	clear
S. S. Werra, N. 49° 20′, W. 17° 56′*	29.95	760.7	50.0	10.0	.....	n.	.....	.....	7	.....	4	.....	nne.	0	0	high	n.	squally.
U. S. S. Kearsarge, Alexandria, Egypt	30.06	763.5	68	20.0	56	n.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Lancaster, Alexandria, Egypt	30.04	763.0	66	18.9	74	nne.	.....	.....	2	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Alliance, St. Lucia, W. I	30.02	762.5	77	25.0	69	ene.	.....	.....	2	.....	8	.....	e.	light	light	sm'h	.....	cloudy.
U. S. S. Galena, San Domingo, San Domingo, W. I*	30.08	764.0	73	22.8	81	nnw.	.....	.....	2	.....	0	.....	.....	.....	.....	mod.	s; e	clear.
U. S. S. Jamestown, Pointe a Pitre, Guadeloupe, W.I.	30.07	763.8	74	23.3	72	ene.	.....	.....	1	.....	10	.....	.....	.....	.....	long	e.	cloudy.
U. S. S. Portsmouth, St. Thomas, W. I	30.03	762.7	72	22.2	100	ne.	.....	.....	3	.....	8?	.....	ne.	.....	.....	.....	.....	clear.
U. S. S. Saratoga, N. 39° 21′, W. 22° 27′	30.31	769.9	52	11.1	79	nne.	.....	.....	4–6	.....	5	.....	ne.	light	light	sm'h	.....	fair.
U. S. S. Swatara, N. 13° 42′, W. 80° 40′	30.02	762.5	78	25.6	82	ne.	.....	.....	3	.....	5	.....	ne.	0	0	mod.	.....	fair.
U. S. S. Yantic, Charleston, S.C.	29.80	756 9	67	19.4	89	ssw.	.....	.....	3	.....	10	.....	sw.	.....	.....	.....	.....	clear.?
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.98	761.5	76?	24.4?	60	se.	.....	.....	1	.....	8	se.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Alecto, N. 5° 04, W. 1° 14′	29.86	758.4	86	30 0	.....	wsw.	.....	.....	3	.....	6	.....	.....	.....	.....	3	ssw.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	30.02	762.5	63.5	17.5	65	nnw.	.....	.....	3	.....	5	ene.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, N. 36° 00′, E. 26° 00′	30.00	762.0	62	16.7	72	sse.	.....	.....	1	.....	1	wsw.	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Bengo, N. 16° 38′ W. 24° 58′	.....	.....	.....	73.4	23.0	91	ne.	.....	.....	4	.....	6	.....	sw.	0	0	2	ne.	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.81	757.2	89.8	32.1	75	sse.	.....	.....	2	.....	3	.....	se.	0	0	1	se.	d. clouds.
S. S. British Prince, N. 44° 22′, W. 39° 09′	.....	.....	58	14.4	82	s.	.....	.....	5	.....	10	.....	s.	6 h'r	6 h'r	mod.	sw.	cloudy.
S. S. Scandinavian, River Clyde, Scotland	30.26	768.6	49	9.4	.....	ene.	.....	.....	3	.....	10	.....	ene.	.....	.....	.....	.....	misty.
S. S. Sardinian, N. 47° 37′, W. 38° 14′	.....	.....	53	11.7	.....	s.	.....	.....	6	.....	9	.....	s.	0	0	mod.	sw.	cloudy.
S. S. Ailsa, Aux Cayes, Hayti, W. I	.....	.....	75.8	24.3	85	nne.	.....	.....	2	.....	8	.....	nne	0	0	.....	.....	fair.
S. S. Alps, N. 18° 13′, W. 67° 10′	.....	.....	76	24.4	.....	e.	.....	.....	2	.....	2	.....	e.	0	0	sm'h	ne.	fine.
S. S. Dorian, N. 42° 29′, E. 5° 45′	29.72	754.9	58	14.4	.....	ssw.	.....	.....	3	.....	3	.....	sw.	0	0	sm'h	.....	fine.
S. S. Furnessia, N. 42° 03′, W. 49° 21′ *†	29.91	759.7	33?	0.6?	.....	n.	.....	.....	2	.....	10	.....	nw.	0	0	long	se.	foggy.
S. S. Galatia, N. 37° 24′, W. 0° 44′*†	29.81	757.2	65	18.3	.....	ene.	.....	.....	1	.....	7	.....	sw.	0	0	sli't	nne.	threat'ning
S. S. Carroll, N. 43° 18′, W. 66° 05′	.....	.....	38	3 3	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	long	wsw.	clear.
S. S. Gallia, N. 50° 38′, W. 20° 20′	.....	.....	48	8.9	.....	nw.	.....	.....	6	.....	8	.....	nw.	0	0	mod.	.....	fair.
S. S. Wyoming, N. 50° 10′, W. 18° 21′	30.07	763.8	49	9.4	.....	n.	.....	.....	6	.....	6	.....	n.	3 h'r	3 h'r	long	nw.	squally.
S. S. Westphalia, Hamburg, Germany	30.20	767.1	32	0.0	.....	ene.	.....	.....	2	.....	10	.....	ene.	1 h'r	1 h'r	.....	.....	covered.
S. S. Virginian, N. 42° 03′, W. 66° 40′	.....	.....	48	8.9	.....	sse.	.....	.....	3	.....	.....	.....	.....	0	0	cross	.....	dense fog.
S. S. Hevelius, N. 14° 45′, W. 26° 30′*†	30.07	763.8	77	25.0	.....	ne.	.....	.....	4	.....	7?	.....	ne.	0	0	sm'h	.....	clear ?
S. S. Archimede, (It.) N. 35° 52′, W. 11° 59′†	30.04	763.0	62	16.7	.....	nne.	.....	.....	3	.....	2	.....	nne.	0	0	r'gh	var.	clear.
S. S. Picqua, Messina, Sicily	.....	.....	62	16.7	56	var.	.....	.....	2	.....	.....	.....	wnw.	6 h'r	6 h'r	.....	.....	cloudy.
S. S. Oregon, Liverpool, Eng	30.16	766.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
S. S. City of Merida, N. 21° 51′, W. 88° 31′	.....	.....	73.4	23	.....	se.	.....	.....	2	.....	0	.....	.....	0	0	mod.	se.	fine.
S. S Italy, N. 40° 38′, W. 59° 45′ *	30.04	763.0	51	10.6	82	nne.	.....	.....	3	.....	0	.....	.....	0	0	mod	n.	clear.
S. S. Muriel, N. 30° 40′, W. 67° 55′	30.09	764 3	68	20.0	.....	se.	.....	.....	3	.....	0	.....	.....	0	0	mod.	.....	clear.
S. S. Pennland, Antwerp, Belgium	30.13	765.3	40	4.4	91	ne.	.....	.....	3	.....	8	.....	n	0	0	.....	.....	fine.
S. S. Waesland, N. 40° 21′, W. 49° 45′	29.89	759.2	54	12.2	.....	nnw.	.....	.....	8	.....	10	.....	nnw.	0	0	r'gh	var.	cloudy.
S. S. Amsterdam, N. 44° 05′, W. 36° 46′	30.24	768.1	60.1	15.6	90	s.	.....	.....	3	.....	1	.....	se.	0	0	light	se.	clear.
S. S. Zaandam, N. 40° 28′, W. 73° 45′*	.....	.....	50.7	10.4	95	ese.	.....	.....	7	.....	10	.....	.....	3 h'r	3 h'r	mod.	se.	foggy.
S. S. Saxon, Boston, Mass	.....	.....	44	6.7	.....	se.	.....	.....	1	.....	10	.....	.....	0	0	.....	.....	threatening
S. S. Republic, N. 46° 17′, W. 33° 45′	.....	.....	56	13.3	87	sw.	.....	.....	5	.....	5	.....	sw.	0	0	sli't.	sw.	d. clouds.
S. S. Lepanto, N. 37° 36′, E. 7° 50′	29.78	756.4	62	16.7	.....	e.	.....	.....	1	.....	4	.....	n.	0	0	h'vy	n.	fine.
S. S. Marenge, Hull, Eng	.....	.....	52	11.1	.....	se.	.....	.....	2	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
Schr. Arthur Burton, Ponce, Porto Rico, W I	.....	.....	.....	.....	.....	ne.	.....	.....	1	.....	1	.....	ne.	0	0	sm'h	.....	fine.
Bk. Aureola, N. 37° 00′, W. 51° 40′ †	29.92	760.0	64	17.8	89	s.	.....	.....	6	.....	9	.....	ssw.	6 h'r	6 h'r	cross	s. sw	threatening
Bg. Abbie Clifford, N. 19° 46′, W. 58° 57′ †	30.09	764.3	75	23.9	.....	e.	.....	.....	3	.....	3	wsw.	e.	.....	.....	h'vy	n.	fair
Bgt. Achsah, Port of Spain, Trinidad, W.I†	29.99	761.7	77	25.0	.....	ene.	.....	.....	2	.....	2	.....	ene.	0	0	.....	.....	clear.
S. Annie, N. 37° 28′, W. 72° 42′*	29.81	757.2	.....	.....	.....	s.	.....	.....	6	.....	10	.....	s.	1 h'r	t h'r	long	ssw.	heavy rain.
Schr. Abbie H. Gheen, Springwood Mills, S.C *†	29.80	756.9	72	22.2	.....	sw.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	rainy.
Bk. Alpha, N. 18° 07′, W. 42° 30′*†	30.05	763.3	76	24.4	.....	nne.	.....	.....	3	.....	6	.....	n.	0	0	sm'h	.....	cloudy.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Force.	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from.	
District No. 1—North Atlantic.—Continued.																		
Bk. Bore, N. 13° 45′, W. 26° 00′	.....	.....	76	24.4	.....	nne.	.....	.....	3	.....	3	.....	nne.	0	0	sm'h	n.	fair.
S. S. Bracadale, N. 36° 50′, E. 1° 57′	.....	.....	70	21.1	.....	w.	.....	.....	6	.....	0	.....	.....	0	0	mod.	w.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.98	761.5	80	26.7	.....	ene.	.....	.....	4	.....	10	.....	e.	0	0	.....	.....	cloudy.
Bk. Cato, N. 38° 30′, W. 19° 45′†	29.96	761.0	61	16.1	77	nw.	.....	.....	3	.....	4	.....	nw.	0	0	long	nw.	fair.
Bk. C. S. Bushnell, N. 36° 52′, W. 1° 54′	29.79	756.7	.....	.....	.....	sw.	.....	.....	6	.....	5	.....	wsw.	0	0	mod.	wsw.	fair
S. David Stewart, N. 32° 33.′ W. 75° 41′	.....	.....	66	18.9	.....	var.	.....	.....	7	.....	8?	.....	wnw.	0	0	r'gh	sw.	clear.?
S. E. B. Sutton, N. 48° 10′, W. 16° 50′ *†	29.92	760.0	50	10.0	86	nne.	.....	.....	6	.....	5	.....	nne.	1 h'r	1 h'r	h'vy	nw.	fair.
Bk Esmeralda, N. 59° 14′, W. 60° 08′	30.21	767.3	.....	.....	.....	calm	.....	.....	0	.....	10	.....	sw.	0	0	mod.	wnw.	hazy.
U. S. Fish. Com. S. S. Fish Hawk, Kings Ferry, Fla†	29.86	758.4	.....	.....	.....	calm	.....	.....	0	.....	3	.....	calm	0	0	.....	.....	clear.
S. Grecian, N. 19° 35′, W. 49° 48′†	30.13	765.3	74	23.3	63	calm	.....	.....	0	.....	1	.....	ne.	0	0	long	nnw.	clear.
Bk. Galeon, N. 17° 45′, W. 25° 08′	.....	.....	71	21.7	.....	ene.	.....	.....	3	.....	6	.....	ne.	0	0	.....	nne.	blue sky.
Bk. Heinrich & Tonio, N. 40° 41′, W. 42° 40′*†	30.07	763.8	64	17.8	86	s.	.....	.....	4	.....	8	.....	s.	3 h'r	3 h'r	mod.	s.	cloudy.
Bk. Hattie G. McFarland, Aspinwall, U.S.C	.....	.....	78	25.6	.....	ene.	.....	.....	5	.....	4	.....	ne.	0	0	.....	.....	
S. Henry Failing N. 29° 29′, W. 43° 56′	.....	.....	71	21.7	85	nw.	.....	.....	3	.....	2	.....	nw.	1 h'r	1 h'r	sm'h	nw.	clear.
Schr. Jennie N. Huddell, N. 34° 10′, W. 76° 45′†	29.78	756.4	55	12.8	.....	s.	.....	.....	7	.....	10	.....	sw.	6 h'r	6 h'r	h'vy	sse.	stormy.
Bg. John Welsh, jr, Barbadoes, W. I†	29.97	761.2	.....	.....	.....	ene	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.00	762.0	.....	.....	.....	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Ciudad, Venezuela	.....	.....	77	25.0	.....	ne.	.....	.....	1	.....	4	.....	ne.	0	0	.....	.....	clear.
Bg. L. & W. Armstrong, Mayaguez, Porto Rico, W.I†.	30.02	762.5	.....	.....	.....	calm	.....	.....	0	.....	1	.....	e.	0	0	.....	.....	fine.
Lighthouse Tender Laurel, off Ocklockonee river, Fla†	29.91	759.7	69	20.6	.....	wsw.	.....	.....	2-3	.....	10	.....	.....	½ h'r	½ h'r	.....	.....	rain & fog.
S. S. Madrid, N. 35° 43′, W. 28° 13′†	30.37	771.4	62	16.7	77	ene.	.....	.....	4	.....	2	.....	calm	0	0	mod.	nnw.	fair.
Schr. Maggie Abbott, N. 21° 15′, W. 73° 30′*†	30.00	762.0	.....	.....	.....	ene.	.....	.....	4	.....	2	.....	e.	0	0	long	ene.	clear.
S. S. Mendoza, N. 1° 42′, W. 39° 46′	.....	.....	.....	.....	.....	ne.	.....	.....	1	.....	.....	.....	.....	6 hr	6 hr	sm'h	n.	clear.
Bk. Rosalie, N. 38° 54′, W. 16° 53′ *†	30.07	763.8	.....	.....	.....	wnw.	.....	.....	5	.....	4	.....	w.	1¼ hr	1¼ hr	mod.	wnw.	clear.
Bk. Rosina, N. 41° 40′, W. 12° 58′	29.92	760.0	55	12.8	.....	nw.	.....	.....	6	.....	10	.....	.....	6 h'r	6 h'r	large	nw.	
Bkt. Rosebud, St George's Channel*	30.14	765.5	48	8.9	.....	e.	.....	.....	5	.....	10	.....	e.	.....	.....	sm'h	.....	gloomy.
S. Salisbury, N. 40° 06′, W. 69° 00′	.....	.....	45.0	7.2	89	ese.	.....	.....	3-4	.....	10 kn	.....	se.	½ h'r	½ h'r	long	ese.	cloudy.
Bk. Saga, Sapelo Id, Ga†	29.84	757.8	69	20.6	.....	.....	.....	.....	3	.....	8	.....	.....	0	0	.....	.....	squally.
Bk. Sunbeam, Lisbon, Portugal†	29.87	758.7	62	16.7	88	nw.	.....	.....	7	.....	4	.....	nw.	2 h'r	2 h'r	.....	.....	fair.
S. Stephen D. Horton, N. 46° 08′, W. 28° 15′†	30.31	769.9	.....	.....	.....	wsw	.....	.....	2	.....	10	.....	.....	2 h'r	2 h'r	mod	nw.	cloudy.
S. Tsemogora, N. 38° 10′, W. 60° 19′*†	29.98	761.5	.....	.....	.....	nnw.	.....	.....	4	.....	5	.....	nne.	2 h'r	2 h'r	short	nw.	fine.
Bk. Tros, N. 21° 23′, W. 45° 20′*†	30.11	764.8	73	22.8	.....	nw.	.....	.....	1	.....	5	.....	n.	0	0	mod.	nnw.	fair.
S. Vincenzo Accame, N. 35° 40′, E. 22° 31′ †	29.93	760.3	64.4	18	.....	sse.	.....	.....	5	.....	4	.....	w.	0	0	mod.	w.	
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	84	28.9	.....	sw.	.....	.....	3	.....	5	.....	sw.	0	0	.....	.....	fair.
S. S. Leipzig, N. 7° 57′, W. 28° 08′ *	29.94	760 5	78.0	25.6	78	nne.	.....	.....	3	.....	9	.....	nne.	0	0	mod.	ne.	covered.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, South Africa	29.84	757.9	69	20.6	75	wsw.	9	4.0	.....	.....	5	.....	calm	0	0	sm'h	.....	fair.
U. S. S. Pensacola S. 13° 17′, W. 10° 17′ †	30.00	762.0	80	26.7	74	ese.	.....	.....	3	.....	2	.....	se.	0	0	long	se.	clear.
H. M. S. Amethyst, S. 35° 15′, W. 56° 27′	29.76	755.9	73	22.8	90	nne.	.....	.....	5	.....	0	.....	.....	.....	.....	2	nne.	misty.
H. M. S. Boudicea, S. 10° 54′, E. 12° 26′	29.64	752.8	82	27.8	87	ese.	.....	.....	3	.....	3	ese.	.....	.....	.....	2	sse.	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	29.97	761.2	64	17.8	67	calm	.....	.....	0	.....	2	calm	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	29.87	758.7	73.2	22.9	86	nne.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	.....	squally.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.78	756.4	80.6	27.0	77	nw.	.....	.....	2	.....	0	.....	.....	6 h'r	6 h'r	1	.....	thund'r st'm
Bk. Adelaide, S. 19° 25′, W. 37° 46′ *†	30.04	763.0	83	28.3	.....	ese.	.....	.....	5	.....	2	.....	e.	0	0	mod.	ese.	clear.
Bk. Achille F., S. 5° 30′, W. 30° 30′*†	29.92	760.0	77.5	25.3	91	nw.	.....	.....	3	.....	10	.....	nw.	8 h'r	8 h'r	long	sse	squally.
S. Frank N. Thayer, S. 5° 46′, W. 26° 58′*†	29.89	759.2	76	24.4	95	calm	.....	.....	0	.....	10	.....	.....	18 h'r	18 h'r	light	se.	raining.
S. Gatherer, S. 6° 20′, W. 27° 40′†	29.88	758.9	78	25.0	100	var.	.....	.....	3	.....	8	.....	.....	2 h'r	2 h'r	sm'h	se.	cloudy.
S. Ismir, S. 4° 30′, W. 33° 10′ *†	29.75	755.6	.....	.....	.....	s.	.....	.....	5	.....	10	.....	s.	rain	rain		se.	rainy.
Bkt. Levanter, S. 23° 40′, W. 41° 54′*	30.15	705.8	80	26.7	.....	ese.	.....	.....	4	.....	3	.....	e.	0	0	mod.	e.	fair.
U. S. S. Shenandoah, Montevideo, Uruguay*	29.89	759.2	75	23.9	95	n.	.....	.....	5	.....	0	.....	.....	.....	.....	.....	.....	clear.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.05	763.3	50	10.0	72	sw.	.....	.....	1	.....	10	.....	nw.	0	0	.....	.....	gloomy.
U. S. S Alert, Shanghai, China	30.05	763.3	54	12.2	100	e.	.....	.....	2	.....	10	.....	ese.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 30° 36′, E. 143° 04′	30.18	766.6	61	16.1	61	s.	.....	.....	1	.....	8	.....	.....	.....	.....	mod	sw.	fair.
U. S. S. Juniata, Roze Island, Corea	30.01	762.2	46	7.8	84	ene.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, Shanghai, China	30.05	763.3	52	11.1	100	ene.	.....	.....	1	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
H.M.S. Audacious, Hong Kong, China	29.93	760.2	72	22.2	90	ene.	.....	.....	1	.....	7	ne.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	29.90	759.4	66	18.9	100	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	overcast.
H. M. S. Champion, Shanghai, China	30.15?	765.8?	51	10.6	86	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	29.95	760.7	56.8	13.8	88	ne.	.....	.....	3	.....	10	.....	.....	.....	.....	2	.....	misty.
H. P. M. S. Tamega, Macao, China	29.90	761.0	75.2	24	87	ene.	.....	.....	1-2	.....	6	.....	.....	½ h'r	½ h'r	.....	.....	d. clouds.
U. S. S. Monocacy, Canton, China	29.84?	757.9?	73	22.8	90	se.	.....	.....	2	.....	10	.....	w.	.....	.....	.....	.....	hazy.
S. S. Newbern, N. 27° 47′, W. 115° 14′	.....	.....	60	15.6	71	nw.	.....	.....	5	.....	8	.....	nw.	0	0	h'vy	nw.	cloudy.
S. S. City of Chester, San Francisco, Cal †	29.87	758.7	45	7.2	93	se.	.....	.....	4	.....	10	.....	.....	0	0	.....	.....	
S. S. Columbia, N. 40° 16′, W 114° 26′*†	29.86	758.4	47.5	8.6	70	nnw.	.....	.....	5	.....	4	.....	nnw.	.....	.....	mod.	nnw.	clear.
S. S. Oregon, N 38° 10′, W. 123° 151′	29.94	760.5	48	8.9	85	nnw.	.....	.....	4	.....	5	.....	n.	rain	rain	long	w.	squally.
S. S. Alameda, Honolulu, Sandwich Ids†	30.15	765.8	74	23.3	95	ne.	.....	.....	.....	.....	.....	.....	ne.	.....	.....	.....	.....	rainy.
S. S. Ancon, Piedras Blancas, Cal †	29.93	760.2	50	10.0	72	ne.	.....	.....	2	.....	0?	.....	.....	0	0	light	wsw.	cloudy.?
S. S. Geo. W. Elder, Puget Sound, Wash. Ter	.....	.....	42	5.6	86	e.	.....	.....	2	.....	4	.....	.....	0	0	.....	.....	
S. S. State of California, Portland, Oregon †	29.81	757.2	36	2.2	100	ese.	.....	.....	1	.....	10	.....	ese.	.....	.....	.....	.....	cloudy.
S. S. Australia, N. 15° 23′, W. 160° 42′	30.16	766.1	77	25.0	86	e.	.....	.....	4	.....	6	.....	e.	0	0	.....	.....	cloudy.
S. S. City of Pekin, Hong Kong, China†	29.93	760.2	68	20.0	69	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Granada, Panama, Panama†	29.93	760.2	75	23.9	86	ene.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	hazy.
S. S. San Blas, N. 16° 17′, W. 98° 56′ †	29.90	759.4	70	24.4	91	nnw.	.....	.....	3	.....	0	.....	n.	0	0	sm'h	wsw.	fair.
S. S. San Jose, N. 24° 24′, W. 112° 03′ †	30.05	763.3	60	15.6	82	nw.	.....	.....	4	.....	10	.....	.....	0	0	mod	wnw.	overcast.
S. S. Benalder, Hong Kong, China	29.92	760.0	70	21.1	90	e.	.....	.....	1-2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Port Phillip, N. 15° 07′, E. 127° 11′	30.04	763.0	81	27.2	91	ne.	.....	.....	2	.....	.....	.....	.....	.....	.....	mod.	e.	clear.
U. S. S. Richmond, N. 21° 48′, E. 114° 57′	29.95	760 7	69	20 6	100	ne.	.....	.....	2	.....	2	.....	ne.	0	0	sm'h	.....	clear.
S. S. Oceanic, N. 34° 04′, E. 154° 10′	30.21	767.3	59	15.0	88	nw.	.....	.....	3-4	.....	4	.....	w.	0	0	5	nw.	clear.
District No. 4—South Pacific.																		
U. S. S. Pinta, S. 43° 33′, W. 76° 11′	29.65	753.1	54	12.2	80	sse.	.....	.....	6	.....	10	.....	se.	.....	.....	long	var.	rainy.
U. S. S. Wachusetts, Valparaiso, Chili	29.97	761.2	59	15.0	94	s.	.....	.....	1	.....	2	.....	.....	.....	.....	long	.....	fair.
H. M. S. Espeigle, S. 33° 07′, E. 167° 38′	30.10	764.5	04	17.8	78	s.	.....	.....	2	.....	7	.....	.....	.....	.....	1	ssw.	d. clouds.
H. M. S. Kingfisher, S. 29° 50′, W. 71° 20′	29.94	760.5	61	16.1	.....	calm	.....	.....	0	.....	7	.....	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Lark, S. 28° 43′, E. 168° 10	30.15	765.8	60.3	19.1	76	sse.	.....	.....	1	.....	2	.....	.....	.....	.....	2	s.	d. clouds.
H. M. S. Mutine, Callao, Peru	29.98	761.5	72	22.2	.....	sse.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Sappho, S. 20° 12′, W. 79° 11′	30.06	763.5	70	21.1	100	se.	.....	.....	1	.....	0	s.	.....	.....	.....	2	s.	d. clouds.
S. S. City of Sydney, Sydney, N S.W*†	30.09	764.3	75	23.9	77	ne.	.....	.....	4	0	8 k	.....	ne.	.....	.....	.....	.....	hazy.
U. S. S. Onward, Callao Bay, Peru *†	30.02	762.5	72	22.2	95	se.	.....	.....	2	.....	10	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Iroquois, Coquimbo, Chili	30.04	763.0	62	16.7	83	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	72	22.2	90	se.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.75	755.6	84	28.9	71	w.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Magpie, S. 6° 08′, E. 106° 48′	29.83	757.7	81.4	27.4	78	wsw.	.....	.....	3	.....	4	.....	.....	.....	.....	.....	.....	lightning.
H. M. S. Myrmidon, The Brothers Isles, Red Sea	29.94	760.5	72.5	22.5	65	nnw.	.....	.....	3	.....	1	.....	.....	.....	.....	4	nnw.	blue sky.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.80	759.9	84	28.9	83	sse.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. J. W. Gildemeister, S. 4° 50′, E 106° 18′	29.85	758.2	83.3	28.5	77	ssw.	.....	.....	1-2	.....	4 kn	.....	sw.	¾ h'r	¾ h'r	.....	.....	thunder.
S. Orcalla, S. 5° 30′, E. 79° 20′*	29.82	757.4	.....	.....	.....	sw.	.....	.....	3	.....	5	.....	sw.	0	0	mod.	sw.	fair.

International Chart I. March 26, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 27, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
Algerian.																			
Nemours	.....	.....	29.84	758.0	64.4	18.0	78	se.	.....	.....	1	.....	6	.....	.....	0.150	3.8	cloudy	Koziere.
Algiers	.....	.....	29.80	757.0	64.4	18.0	71	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Thève.
La Calle	.....	.....	29.81	757.1	67.6	19.8	69	ene.	.....	.....	3	.....	4	.....	.....	0	0	cloudy	Foufrède.
Tunis	.....	.....	29.81	757.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.93	760.1	56.3	13.5	50	se.	.....	.....	2	.....	1	.....	.....	0.012	0.3	very fair	Forfert.
Laghouat	.....	.....	29.91	759.6	62.2	16.8	.....	s.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Abraham.
Biskra	.....	.....	29.90	759.5	69.4	20.8	80	w.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Gouzon.
Australian.																			
Adelaide, South Australia	.....	.....	29.97	761.2	70.1	21.2	78	calm	0	0	.....	.....	7 k	.....	.....	inap.	inap.	.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.59	751.6	29.78	756.4	68	20.0	81	n.	15	6.7	.....	.....	2	.....	n.	0.06	1.5	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	29.91	759.7	30.00	762.0	68.0	20.0	79	s.	5	2.2	.....	.....	10	.....	.....	0.06	1.5	showery	R. L. J. Ellery.
Austro-Hungarian.																			
Agram	29.42	747 2	29.97	761.1	55.0	12.8	34	s.	.....	.....	3	.....	7	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.14	740 1	29.91	759.8	46.4	8.0	72	nw.	1.3	0.6	.....	.....	10	.....	.....	0.004	0.1	.....	Dr. Wierzbiski
Eperies	29.04	737.5	29.92	760.0	47.8	8.8	83	calm	.....	.....	0	.....	10 s	.....	.....	0.031	0.8	.....	Julius Mikolik.
Gratz	28.69	728.8	29.95	760.7	51.1	10.6	50	se.	.....	.....	3	.....	3	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.50	723.8	29.94	760.4	49.8	9.9	61	nw.	.....	.....	4	.....	5	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28 60	726 3	29.96	761.0	43.9	6.6	61	wnw.	.....	.....	1	.....	7	.....	.....	0	0	.....	The Staff.
Lemberg	28.80	733.9	29.90	759.4	43.7	6.5	93	e.	.....	.....	1	.....	10	.....	.....	inap.	inap.	.....	Dr. T. Stanecki.
Pola	29.88	759.0	29.99	761.8	57.0	13.9	71	sse.	.....	.....	3	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.46	748.3	29 93	760.2	47.7	8.7	74	w.	.....	.....	5	.....	5	.....	.....	0.071	1.8	.....	Joseph Midlinszky, S. J
Szegedin	29.72	754.9	30.00	762.1	51.8	11.0	62	w	.....	.....	1	.....	8	.....	.....	0.024	0.6	.....	Karl Stancel.
Trieste	29.91	759.8	30.01	762.3	50.7	10.4	51	nw.	.....	.....	1	.....	2	.....	.....	0	0	.....	Royal Academy.
Vienna	29.26	743.2	29.99	761.7	46.6	8.1	54	w.	.....	.....	1	.....	8	.....	.....	0	c	.....	I. R. Central Met. Obs'y.
Belgian.																			
Arlon	28.59	726.2	30.03	762.7	38.3	3.5	78	e.	.....	.....	1	.....	3	.....	.....	0.008	0.2	.....	.....
Brussels	29.91	759.7	30.12	765.0	39.7	4.3	60	e.	.....	.....	2	.....	10	.....	ne.	0	0	.....	.....
Furnes	30.11	764 7	30.13	765.2	40.5	4.7	61	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	.....
Maeseyck	30.01	762.2	30.13	765.4	39.6	4.2	83	n.	.....	.....	1	.....	10	.....	.....	0.024	0.6	.....	.....
British.																			
Aberdeen	30.25	768.3	30.35	770.9	39.6	4.2	52	ene.	12	5.4	.....	.....	7	.....	.....	blank	blank	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.24	768.1	39.0	3.9	61	e.	17	7 6	.....	.....	10	.....	.....	.....	.....	overcast	John Hartnup.
Bolton, Sharples	29.68	753.9	30.23	767.8	38.6	3.7	64	ene.	6	2.7	.....	.....	10	.....	.....	.....	.....	gloomy	Thomas Mackereth.
Bradford, Yorkshire	29.83	757.7	30.23	767.8	40.8	4.9	65	e.	.....	.....	2	.....	10	.....	.....	0	0	overcast	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.98	761.5	30.01	762 2	81	27.2	70	ne.	.....	.....	4	.....	8	.....	.....	.....	.....	overcast	Corp'l O. McGregor, A.H.C
Oardington	.....	.....	.....	.....	40.6	4.8	65	e.	.....	.....	0.6	.....	10	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E	29.97	761.2	30.15	765.8	39.1	3.9	73	e.	.....	.....	2	.....	10	.....	.....	blank	blank	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.86	758.4	30.09	764.3	43.0	6.1	71	ene.	.....	.....	5	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27 58	700.5	29.90	759.4	64.8	18.2	65	se.	.....	.....	1	.....	10	.....	.....	.....	.....	gloomy	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	30.14	765.5	30.18	766.6	40	4.4	91	e.	.....	.....	1	.....	9	.....	.....	0	0	threatening	Wm. Ryan.
Gibraltar, Mediterranean	29.68	753.9	29.77	756.1	53.5	11.9	90	nw.	.....	.....	3	.....	10	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.98	761.5	30.16	766.1	41.3	5.2	80	e.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.75	755.0	30.06	763 5	43.1	6.2	75	e.	.....	.....	2	.....	9	.....	.....	.....	.....	overcast	A. Collenette, F.R.M.S
Kew, Observatory	30.13	765.3	30.17	766.3	39.0	4.2	62	ene.	14	6.3	.....	.....	10	.....	.....	.....	.....	misty	The Staff.
Leicester, Museum	29.03	760 2	30.20	767.1	41.6	5.3	60	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.75	755.6	29.83	757 7	56.4	13.6	88	ne.	.....	.....	2	.....	6	.....	.....	0.23	5.8	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.92	760.0	29.97	761.2	77.5	25.3	80	s.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.95	760.7	30.18	766.6	39.7	4.3	69	ne.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	The Staff.
Plymouth	30.01	762.2	30.08	764.0	43.1	6.2	71	ene.	.....	.....	5	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	30.23	767.8	30.33	770.4	41.1	5.1	72	.....	.....	.....	.....	.....	9	.....	.....	.....	.....	d. clouds	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.90	759.4	29.97	761.2	61.0	16.1	58	sw.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.95	760.7	30.24	768.1	41.2	5.1	53	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	30.23	767.8	30.26	768.6	43.3	6.3	78	e.	.....	.....	2	.....	10	.....	.....	0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.25	768.3	40.0	4.4	56	e.	14	6.3	.....	.....	10	.....	.....	0	0	overcast	Rev. Sir. Perry.
Strathfield Turgiss	.....	.....	.....	.....	39.8	4.3	73	e.	.....	.....	1.5	.....	10	.....	.....	.....	.....	overcast	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	30.14	765.5	30.16	766.1	45.8	7.7	67	ne.	2	0.9	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.52	749.8	29.91	759.7	59.0	15.0	74	e.	6.8	3.0	.....	8 ck	0	w.	.....	0.18	4.6	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.79	756.7	29.91	759.7	68.0	20.0	99	e.	10	4.5	.....	.....	9 k	.....	wsw.	0	0	cloudy	The Staff.
Canadian.																			
Bathurst, N. B	29.91	759.7	29.95	760.7	36.0	2.2	.....	ne.	3	1.3	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.93	760.2	29.98	761.5	34	1.1	83	se.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	H. J. Cundall, C. E
Chatham, N. B	29.87	758.7	29.93	760 2	34	1.1	82	ne.	5	2.2	.....	.....	10 s	.....	ne.	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.40	746.7	29.59	751 6	35.2	1.8	98	e.	.....	.....	1	.....	10 s	.....	.....	0.351	8.9	overcast	Jas. Smith, M. A.
Dalhousie, N. B	29.90	759.4	29.95	760.7	34.0	1.1	.....	e.	.....	.....	3	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec	29.80	756.9	29.82	757.4	33	0.6	92	ne.	25	11.2	.....	.....	10 n	.....	.....	inap.	inap.	heavy rain	J. McWilliams
Fort Garry, Manitoba	28.88	733.5	29.74	755.4	20	— 3.3	92	s.	3	1.3	.....	.....	fg.	.....	.....	0	0	dense fog	James Stewart.
Fredericton, N. B	29.71	754.6	29.78	756 4	36.0	2.2	85	ne.	11	4.9	.....	.....	10 n	.....	.....	0.200	5.1	raining	Dr. Thos. Harrison.
Grand Manan, N. B	29.56	750.8	29.62	752.3	36	2.2	100	e.	29	13.0	.....	.....	10n; fg	.....	.....	0.500	12.7	light rain	J. Chipman Seeley
Granton, Ontario	28.73	729.7	29.80	758.4	36 0	2.2	100	nw	9	4.0	.....	.....	10 n	.....	.....	0.080	2.0	overcast	Jas. Grant.
Halifax, N. S	29.79	756.7	29.93	760.2	34	1.1	96	e	18	8.0	.....	.....	10 n	.....	se.	inap.	inap.	light rain	A. Allison.
Hamilton, Ontario	29.35	745 5	29.76	755.9	41.7	5.4	92	sw.	.....	.....	1	10 ck	0	sw.	.....	0.350	8.9	overcast	Geo. Dickson, B. A.
Kingston, Ontario	29.34	745.2	29.68	753.9	37	2.8	96	nw.	6	2.7	.....	.....	10 ks	.....	.....	0.12	3.0	cloudy	A. P. Knight, M. A.
Little Glace Bay, N. S	30.04	763.0	30.08	764.0	32.7	0.4	90	s.	8	3.6	.....	.....	10 n	.....	.....	0	0	overcast	C. H. Rigby.
London, Ontario	28.93	734.8	29.85	758.2	36.8	2.7	99	nw.	.....	.....	2	.....	10 ks	.....	.....	0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T	27.39	695.7	29.72	754 9	32	0.0	96	n.	7	3.1	.....	.....	10 n	.....	.....	0.02	0.5	cloudy	John Ewart.
Minnedosa, N. W. T	27.71	703.8	29.76	755.9	14	—10.0	100	e.	5	2.2	.....	10 cs	0	nw.	.....	0	0	cloudy	Rev. J. M. Wellwood
Montreal, Quebec	29.38	746.2	29.59	751.6	34	1.1	100	n.	8	3.6	.....	.....	10 n	.....	.....	0.62	15.7	light rain	C. H. McLeod, C. E.
Ottawa, Ontario	29.43	747.5	29.05	753.1	36.0	2.2	94	nnw.	.....	.....	.....	.....	10 ks	.....	.....	0.190	4.8	overcast	A. McGill, M. A.
Parry Sound, Ontario	29.10	739.1	29.81	757.2	37	2.8	89	n.	11	4.9	.....	5 k	5 ks	n.	n.	0.06	1.5	fair	Rev. R. Mosley.
Peterboro, Ontario	28.99	736.3	29.74	755.4	37.7	3.2	80	nw.	.....	.....	1	.....	10 k	.....	.....	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.21	741.9	29.93	760 2	31	— 0.6	68	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29 11	739.4	29.82	757.4	39	3.9	100	nw.	7	3.1	.....	.....	10 k	.....	nw.	0.19	4.8	cloudy	H. Morgan.
Port Stanley, Ontario	29.18	741.2	29.83	757.7	39	3.9	89	w.	16	7.2	.....	.....	10 n	.....	nw.	0.19	4.8	cloudy	M. Payne.
Qu Appelle, N. W. T	27.39	695.7	29.73	755.1	24	— 4.4	.....	ne.	6	2.7	.....	.....	fg.	.....	.....	0	0	dense fog	Leslie Gordon.
Quebec, Quebec	29.25	742.9	29.61	752.1	35	1.7	96	n.	10	7.2	.....	.....	10 n	.....	n.	0.27	6.9	light rain	Capt. Asne, R. N.
Rockville, Ontario	29 28	743.7	29.76	755.9	38	3.3	96	n.	6	2.7	.....	0	8 ks	.....	n.	0.50	12.7	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.54	750.3	29.59	751.6	46	7.8	100	se.	30	13.4	.....	.....	10 n	.....	.....	0.39	9.9	heavy rain	
St. John, N. B	29.58	751.3	29.73	755.1	34.0	1.1	100	e.	32	14.3	.....	.....	10 n	.....	.....	.....	.....	raining	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.24	768.0	32	0.0	.....	se.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	29.12	739 6	29.85	758.2	35	1.7	85	n.	18	8.0	.....	0	0	.....	.....	0.03	0.8	clear	.....
Stratford, Ontario	28.54	724.9	29.84	757.9	36.8	2.7	93	n.	7	3.1	.....	.....	10 s	.....	.....	0.500	12.7	d. clouds	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	30.08	764 0	30.15	765.8	33	0.6	85	se.	4	1.8	.....	.....	10 t	.....	.....	0	0	cloudy	**T.C.Hill, C.E.**
Toronto, Ontario*	29.41	747.0	29.80	756.9	39	3.9	89	nw.	13	5.8	.....	.....	10 n	.....	n.	0.30	7.6	light rain	**Magnetic** Observatory.
Woodstock, Ontario	28.67	728.2	29.75	755.6	38.4	3.6	91	nw.	15	6.7	.....	.....	10 s	.....	.....	0.210	5.3	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.54	750.3	29.61	752.1	43	6.1	96	e.	24	10.7	.....	.....	10 n	....	se.	0.26	6.6	heavy rain	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.04	763.0	30.07	763.8	62.5	16.9	91	sw.	.....	.....	.....	0	8 k	.....	.....	0	0	cloudy	I. Garfelt.
Cape Town, The Castle	30.06	763.5	.....	.....	67.0	19.4	46	sse.	.....	.....	.....	0	4 k	.....	.....	0	0	.....	**Capt.R.Gardner Warton**
Springbok Fontein	27.91	708.9	.....	.....	77	25.0	51	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	29.48	748.8	29.59	751.5	50.0	10.0	92	e.	.....	.....	1	.....	3 n	.....	nw.	0	0	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	57.2	14.0	80	e.	.....	.....	1	.....	10 n	.....	e.	0.197	5.0	cloudy	**Leon Herrera.**
Valparaiso	29.84	757.9	29.98	761 5	60.4	15.8	89	n.	.....	.....	1	4	0	.....	.....	.....	.....	fair	**Paez-i-Ampuero.**
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.28	769.0	30.30	769.6	43.2	6.2	70	n.	15.7	7.0	.....	.....	9	.....	.....	0	0	covered	**M.Marc Dechevrens,S. J**
DANISH.																			
Copenhagen	30.16	766.1	30.21	767.3	36.9	2.7	75	e.	22	10.	.....	.....	10	.....	.....	.....	.....	.....	**Oversergent Fischer.**
Fanöe	30.19	766.8	30.21	767.3	37.8	3.2	70	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	**Overloerer Lauridsen.**
Godthaab, Greenland	29.67	754.7	29.72	754.8	4.6	—15.2	95	sw.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	**S. Kleinschmidt.**
Ivigtut, Greenland	29.72	755.0	29.74	755 5	16.7	— 8.5	.....	nw.	.....	.....	6	.....	9	.....	.....	.....	.....	.....	.....
Stykkisholm, Iceland	30.08	764.0	30.12	765.1	37.8	3.2	71	e.	.....	.....	6	.....	0	.....	.....	.....	.....	.....	A. O. Thorlacius.
Thorshavn	30.28	769.1	30.30	769.7	44.4	6.9	76	se.	11	5.	.....	.....	10	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	29.58	751.2	29.62	752.4	— 7.1	—21.7	.....	calm	.....	.....	0	.....	4	.....	.....	.....	.....	.....	.....
Vestervig	30.15	765.9	30.24	768.2	40.8	4.9	55	ne.	.....	.....	4	.....	3	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
EGYPTIAN.																			
Cairo	29.83	757.7	.....	.....	77.9	25.5	.....	ne.	4.9	2.2	.....	.....	10	.....	.....	0	0	covered	**Albert Ismalun, Dir.**
FRENCH.																			
Agen, Normal School	29.25	743.0	29.90	759.5	59.0	15.	68	sse.	.....	.....	1	3 c	.....	.....	.....	0	0	misty	M. Labroue, Director.
Alençon, Normal School	29.47	748.4	30.02	762 5	45.3	7.4	97	n.	.....	.....	1	.....	5 k	.....	s.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.82	757.3	29.96	761 0	40.8	4.9	66	ne.	.....	.....	2	.....	8	ne.	ne.	0	0	very cloudy	**M. Ungerer, Director.**
Avignon, Normal School	29.84	757.8	29.91	759.8	59.0	15	48	w.	.....	.....	1	.....	.....	.....	s.	0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.42	747.3	29.99	761.7	46.4	8.	64	ne.	.....	.....	1	.....	10	.....	ne.	0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.79	756.7	30.07	763.7	44.6	7.0	66	ene.	.....	.....	2	.....	10	.....	ene.	0	0	covered	M. Frère Eugène Marie.
Besançon, Normal School	28.99	736.4	29.89	759.2	54.0	12.2	46	e.	.....	.....	1	.....	k	.....	nw.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.58	751.3	29.84	757.8	57.4	14.1	46	e.	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.39	746.4	29.94	760.4	52.2	11.2	36	e.	.....	.....	1	.....	2	.....	e.	0	0	slightly cl'dy	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.80	756.8	30.04	763.0	44.2	6.8	70	ne.	.....	.....	2	.....	10	.....	ne.	0	0	.....	M. de Kermarec, Dir.
Caen, Normal School	29.90	759.5	29.98	761.4	45.3	7.4	94	nne.	.....	.....	1	.....	10	.....	.....	0	0	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.69	754.1	30.02	762.4	45.9	7.7	85	e.	.....	.....	2	.....	8	.....	ne.	0	0	very cloudy	M. Jadot, Director.
Charleville, Normal School	29.54	750.3	30.11	764.7	39.9	4.4	77	nw.	.....	.....	4	.....	10	.....	.....	0	0	covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.50	723.9	29.85	758 1	56.5	13.6	34	e.	.....	.....	1	2 c	.....	.....	.....	0	0	.....	M. Allard, Director.
Cluny, Normal School	29.03	737.3	29.93	760.1	53.6	12	65	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	M. de Villemontée, Dir.
Commercy, Normal School	29.14	740.2	30.05	763.3	43.2	6.2	70	ne.	.....	.....	4	.....	5 kn	ne.	ne.	0	0	cloudy	Dr. Coulet, Director.
Gap, Normal School	27 34	694 5	29.86	758.5	53.2	11.8	33	sw.	.....	.....	1	.....	2 k	.....	.....	0	0	.....	M. Jarach, Director.
Grenasque, du Rhone	28.78	731.0	29.90	759.4	56.7	13.7	55	se.	.....	.....	4	.....	7	.....	se.	0	0	.....	M. Kina, Director.
Grenoble, Normal School	29.13	739.9	29.89	759.2	57.2	14.	37	n.	.....	.....	1	ck	.....	.....	nw.	0	0	.....	M. Ablard, Director.
Gué et, Normal School	28.31	719.1	29.90	759.4	48.2	9	48	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Delorme, Dir.
Lamballe Normal School	29.72	754 9	30.00	761.9	46.2	7.9	64	ne.	.....	.....	4	.....	n	.....	ne.	0	0	.....	**M. Polipre, Dir.**
Lescar, Normal School	29.26	743.1	29.84	757 8	58.3	14.6	52	ne.	.....	.....	1	.....	n	.....	.....	0	0	.....	M. Chauvin, Director.
Lorient, Naval Observatory	29.84	758.0	29.95	760 6	54.0	12.2	65	ne.	.....	.....	4	.....	0	.....	.....	0	0	clear	**L. T. Carre, Director.**
Lyon, St. Genis-Laval	28 85	732.9	29.91	759.8	52.5	11.4	49	e.	.....	.....	1	.....	0	.....	.....	0	0	misty	M. André, Director.
Mans, Normal School	29.68	753.8	29.99	761.8	46.9	8.3	59	ese.	.....	.....	4	.....	5 kn	.....	e.	0	0	cloudy	M. Richard, Director.
Marseille, Observatory	29.62	752 3	29.89	759.1	59.5	15.3	45	ese.	.....	.....	6	.....	7	.....	ese.	0	0	.....	M. Stephan, Director.
Montlouis	24.58	624.2	29.42	747.2	39.2	4.0	70	ne.	15.0	6.7	.....	.....	7	e.	.....	0	0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.76	755.9	29.87	758 7	58.3	14.6	91	ese.	.....	.....	2	.....	5	s.	.....	0	0	fair	M. Galzin, Director.
Nancy, Normal School	29.24	742.6	30.04	763.1	39.2	4.0	72	nne.	.....	.....	1	ck	n.	.....	.....	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	29.80	756.9	29.97	761.1	51.4	10.8	54	ene.	.....	.....	4	.....	8k;kn	.....	ese.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29.77	756.1	29.88	758.9	58.5	14.7	55	se.	1.8	0.8	.....	.....	5	se.	se.	0.217	5.5	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20.92	531.4	.....	.....	25.3	— 3.7	.....	s.	.....	.....	1	.....	.....	.....	se.	0.031	0.8	foggy	**M. Vaussenat, Director.**
Privas, Normal School	28.85	732.9	29.94	760.4	46.4	8	55	se.	.....	.....	1	.....	1	se.	se.	0	0	clear	M. Tallieu.
Puy de Dôme Obs'y, Summit	24 94	634.1	.....	.....	31.3	— 0.4	83	ese.	.....	.....	2	2 c	.....	.....	.....	0	0	.....	M. Alluard.
Rochefort, Naval Obs'y	29.85	758 1	29.88	758.9	55.9	13.3	46	ene.	.....	.....	1	.....	0	.....	.....	0	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.70	754 3	29.91	759.8	55.0	12.8	52	sw.	.....	.....	6	.....	.....	.....	.....	0	0	.....	M. Brothier, Director.
Rodez, Normal School	27.77	705 3	29.92	760.0	52.3	11.3	69	w.	.....	.....	2	.....	10 kn	.....	e.	0	0	covered	M. Seger, Director.
Rouen, Normal School	30.00	762.1	30.05	763.3	49.3	9.6	58	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Mouillot, Dir.
Saint Maur, Observatory	29.87	758.6	30.03	762.8	45.3	7.4	64	ne.	.....	.....	1	.....	10	.....	ene.	0	0	covered	M. Renou, Director.
Toulouse, Observatory	29.15	740.5	29.87	758.8	59.0	15.0	52	sse.	.....	.....	4	.....	2	se.	.....	0	0	slightly cl'dy	M. Baillaud, Director.
Tours	29.77	756.2	29.95	760.8	52.9	11.6	46	nne.	.....	.....	1	.....	2	ne.	.....	0	0	slightly cl'dy	M. de Tastes.
Versailles, Observatory	29.53	750.0	30.02	762.5	43.5	6.4	65	ne	.....	.....	2	.....	10	.....	.....	0	0	covered	Dr. A. Bergny, Director.
Sub-series.																			
St. Martin du Hinx	29.70	754.3	29.85	758.1	56.3	13.5	68	e.	2.0	0.9	.....	.....	9 k	.....	e.	0	0	.....	M. Carlier, Director.
GERMAN.																			
Ansbach	28.56	725.3	30.05	763 3	39.2	4.0	69	ne.	.....	.....	2	.....	10	ne.	.....	0.047	1.2	.....	Prof. Jnedt.
Bamberg	29.13	740.0	29.98	761.4	39.9	4.4	63	nw.	.....	.....	2	.....	10 n	.....	nw.	0.063	1.6	raining	Prof. Dr. Hoh.
Berlin	29.87	758 8	30.02	762.6	39.2	4.0	83	ne.	.....	.....	2	.....	10	.....	.....	0.028	0.7	.....	Meteorological Institute
Breslau	29.48	748.7	30.01	762.2	38.8	3.8	83	calm	.....	.....	0	.....	10	.....	.....	0.358	9.1	foggy	Royal University Obs'y
Carlsruhe	29.58	751.3	30.05	763.2	42.1	5 6	69	ne.	.....	.....	1	.....	10	ne.	.....	0	0	.....	Albert Senz.
Cassel	29.34	745.3	30.06	763 4	37.0	2.8	75	nnw.	.....	.....	2	.....	7	n.	.....	0.004	0.1	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.69	754.0	30.06	763.5	42.6	5.9	62	nne.	.....	.....	1	.....	10	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.56	725.1	29.99	761.8	43.5	6.4	79	sw.	.....	.....	3	.....	2	e.	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	30.05	763.2	30.14	765.5	38.7	3.7	73	ne.	.....	.....	3	.....	10	.....	.....	0.035	0.9	misty	E. Preller.
Kiel	30.13	765.4	30.15	765.8	37.0	2.8	84	ne.	.....	.....	2	.....	10	.....	.....	0.008	0.2	.....	Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.61	752.2	30.05	763.3	37.0	2.8	84	n.	.....	.....	1	.....	10	ne.	.....	0.098	2.5	.....	H. Leppig, Asst.
Magdeburg	29.86	758.4	30.06	763 4	37.8	3.2	85	nne.	.....	.....	1	.....	10	.....	.....	0.020	0.5	.....	Weather Observatory.
Memel	30.14	765.6	30.19	766.8	38.3	3.5	77	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	Issermann.
Munich	28.14	714 7	30.00	761.9	43.5	6 4	52	calm	.....	.....	0	.....	9	w.	.....	0	0	.....	Central Station.
Neufahrwasser	30.09	764.3	30.11	764 7	36.5	2.5	87	ne.	.....	.....	3	.....	10	.....	.....	0.055	1.4	.....	A. Lothes.
Neustadt, Palatinate	29.47	748.6	30.01	762.2	42.3	5.7	71	n.	.....	.....	1	.....	10	.....	.....	0	0	.....	Prof. Dicknether.
Stuttgart	29.06	738.1	29.98	761 5	40.1	4.5	81	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	Prof. Dr. Schoder.
Wustrow	30.08	764.1	30.11	764.7	38.1	3.4	80	ne.	.....	.....	4	.....	10 8	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.55	750.6	29.93	760.3	64.9	18.3	.....	s.	.....	.....	1.0	9	0	.....	.....	0.008	0.2	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.77	756.1	29.82	757.4	79.1	26.2	70	wsw.	31.0	13.8	.....	.....	0	.....	.....	0	0	blue sky	
Deesa	29.34	745 2	29.80	757.0	91.0	32.8	16	sw.	17.0	7.6	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.84	758.0	29.88	759.0	80.6	27.0	67	wnw.	13.0	5.8	.....	.....	5	.....	w.	0	0	d. clouds	
Poona, Yarrowda	27.98	710.7	29.80	756.9	88.8	31.6	18	w.	26.0	11.6	.....	.....	7	.....	.....	0	0	d. clouds	
Belgaum	27.32	693.8	29.84	757.8	79.5	26.4	58	wsw.	10.0	4.5	.....	.....	6	e.	n.	0.01	0.3	d. clouds	
Lahore	29.04	737 5	29.77	756.1	87.0	30.6	23	w.	2.0	0.9	.....	.....	3	.....	.....	0	0	d. clouds	
Roorkee	28.86	732.9	29.74	755.3	89.7	32.1	13	w.	0.5	0.2	.....	.....	0	.....	.....	0	0	blue sky	
Agra	29.26	743.1	29.81	757.1	94.1	34.5	13	nw.	.....	.....	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.78	731.0	29.82	757.3	82.1	27.8	43	ne.	4.0	1.8	.....	.....	9	.....	w.	0.02	0.5	gloomy	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
INDIAN.—Continued.																			
Tubbulpore	28.47	723.2	29.80	756.8	92.3	33.5	25	se.	2.0	0.9			10		s.	0	0	overcast	
Lucknow	29.40	746.6	29.76	756.0	94.0	34.4	14	wsw.	7.0	3.1			0			0	0	misty	
Allahabad	29.48	748.9	29.79	756.7	91.9	33.3	17	nnw.	6.0	2.7			2	sw.		0	0	d. clouds	
Patna	29.59	751.6	29.77	756.2	92.4	33.6	14	wnw.	4.5	2.0			0			0	0	blue sky	
Hazaribagh	27.81	706.4	29.79	756 6	86.1	30.1	10	nnw.	8.0	3.6			0			0	0	blue sky	
Cuttack	29.73	755 2	29.81	757.3	85.8	29.9	56	e.					0			0	0	blue sky	
Calcutta, Alipore	29.78	756.4	29.80	757.9	83.2	28.4	73	sse.	5.5	2.5			0			0	0	blue sky	
Dhubri	29.70	754 4	29.82	757.4	81.3	27.4	67	calm	3.1	1.4			0			0	0	misty	
Chittagong	29.78	756.5	29.88	758.8	80.7	27.1	75	w.	4.6	2.1			0			0	0	d. clouds	
Gibsagar	29.55	750.6	29.90	759.3	72.9	22.7	72	ne.	2.0	0.9			5	sw.	sw.	0.20	5.1	d. clouds	
Jeypore	28.38	720.8	29.79	756.7	90.4	32.4	19	s.	7.5	3.4			6		w.	0	0	d. clouds	
Zanzibar	29.80	756.9	29.82	757.5	82.7	28.2	68	nnw.	5.0	2.2			1			0	0	d. clouds	
Bellary	28.32	719.3			96.0	35.6	25	e.	2	0.9		2 c	0			0	0	blue sky	
Trichinopoly	29.57	751.1			96.2	35.7	40	se.	0.2	0.1		0	0			0	0		
ITALIAN.																			
Udine	29.58	751.3	29.99	761.7	55.0	12.8	47	calm	0	0			9			0	0		Prof. Giovanni Clodig.
Milan	29.45	747.9	29.96	761.0	37.6	14.2	37	se.	4.3	1.9			4	nne.		0	0		Prof. G.V.Schiapparelli
Padua	29.87	758.6	29.98	761.4	56.3	13.5	52	se.	8.1	3.6			4	sw.		0	0		Prof. Dott. Lorenzoni.
Moncalieri	29.03	737.3	29.93	760.3	55.4	13.0	45	ene.	3.8	1.7			6	ne.		0	0		Prof. F. F. Denza.
Genoa	29.78	756.3	29.97	761.2	57.2	14.0	53	sw.	4.9	2.2			2	s.		0.004	0.1		Prof. G. M. Garibaldi.
Pesaro	29.93	760.2	29.98	761.4	53.2	11.8	70	e.	9.8	4.4			1			0	0		Prof. Luigi Guidi.
Florence	29.68	753.9	29.94	760.4	57.0	13.9	22	n.			2		3			0	0		Prof. Costantino Pittei.
Leghorn	29.83	757.6	29.91	759 7	57.0	13.9	47	w.	1.8	0.8			2			0	0		Prof. P. Monte.
Rome	29.76	755.8	29.93	760 3	57.9	14.4	43	calm	0	0			6			0	0		Prof. P. Tacchini.
Lecce	29.68	753.8	29.93	760.3	56.8	13.8	69	ne.	8.1	3.6			10			0	0		Prof. C. de Giorgi.
Cosenza	29.02	737 1	29.91	759 8	53.6	12.0	76	nnw.	1.8	0.8			6	w.		0	0		Prof. D. Conti.
Palermo	29.65	753.1	29.90	759.5	58.3	14.6	52	e.	5.6	2.5			7	wsw.		0	0		Prof. G. Caccintore
Syracuse	29 82	757 3	29.86	758.4	62.4	16.9	70	nne.	12.5	5.6			10	ne.		0.177	4.5		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.41	747.0			58.3	14.6	62	sw.	0	0			7	nw.		0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	29.91	759.7	29.94	760.5	32.5	0.3	94	nw.			6		10 n			0.268	6.8	snowing	H. Hattori.
Awomori	29.86	758.4	29.89	759.2	33.0	0.6	91	se.	2.9	1.3			10 n			0.258	6.5	snowing	K. Ogawa.
Hakodate	29.85	758 3	29.86	758.6	31.0 —	0.6	100	wsw.	4.8	2.1			10 n			0.210	5.3	clear	Y. Souma.
Hamamatsu	29.79	756.6	29.89	759.1	49.3	9.6	83	w.			2	0	0			0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.92	759.9	29.93	760.3	49.4	9.7	86	n.	1.8	0.8		2cs;ck	0	w.		0	0	overcast	Y. Okamoto.
Kagoshima	29.98	761.4	29.99	761.7	54.7	12.6	76	n.			2		10 s			0	0	overcast	
Kanazawa	29.88	758.9	29.98	761.6	41.6	5.3	88	nw.	13.3	5.9			10s;ks			0.086	2.2	clear	S. Endo.
Kioto	29.74	755.5	29.92	759.9	50.1	10.1	79	calm	0	0		0	0			0	0	overcast	M. Tojima.
Kochi	29.92	760.1	29.95	760.6	56.1	13.4	87	sw.	2.5	1.1			10 s			0	0	cloudy	K. Nasusaki.
Minaska	29.95	760.8	29.98	761.5	58.1	14.5	87	se.			1		10 s		w.	0	0	clear	K. Masusaki&T. Ishitain.
Miyako	29.71	754.7	29.82	757.5	40.2	4.6	81	wsw.	5.2	2.3		0	0			0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.80	756.9	30.01	762 2	52.1	11.2	69	w.	0.6	0.3		9 cs	0			0	0	cloudy	
Nemuro	29.88	758.9	29.93	760.2	32.0	0.0	87	ese.	21.0	9.4			10 s			0	0	cloudy	A. Shibuya.
Niigata	29.92	759.0	29.95	760.7	39.1	3.9	87	n.	13.6	6.1			10 s			0.150	3.8	covered	Satoo & Tomikawa.
Nobiru	29.82	757.5	29.84	757.9	46.0	7.8	97	sse	7.9	3.6			10 s			0	0	covered	Yoshino & Midzushina.
Numadzu	29.84	757.9	29.88	758.9	45.1	7.3	94	ne.			2	0	4 s			0	0	fair	T. Ohgi.
Osaka	29.91	759.7	29.92	760.1	47.7	8.7	90	nw.	1.6	0.7		0	0			0	0	clear	H. Omura.
Sakai	29.97	761 2	29.98	761.4	45.6	7.6	87	n.			4		10 ks		nw.	0.047	1.2	cloudy	Yamawchi & Sakamoto.
Sapporo	29.66	753.5	29.73	755.2	33.9	1.1	89	s.	17.4	7.8			10 n			0.005	0.1	snowing	S. Kimura.
Shimonoseki	29.83	757.7	29.98	761.4	53.1	11.7	58	w.			2	0	2 s		w.	0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.78	756.5	29.86	758.4	48.6	9.2	96	sw.	3.5	1.5		0	2 s			0	0	clear	The Staff.
Wakayama	29.86	758.5	29.91	759.8	49.1	9.5	86	calm	0	0		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.72	754.9	29.91	759 7	79.5	26.4	77	ne.	12.5	5.6		2 cs	6 ku		ene.	0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.30	617.2	30.02	762.5	53.8	12.1	65	calm	0	0		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.68	754.0	29.95	760.7	63.0	17.2	83	nw.	1.6	0.8		0	0			0	0	clear	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.15	765.9	30.15	765.9	41.5	5.3		nne.			4					0	0		
Groningen	30.09	764 2	30.14	765.6	40.1	4.5		ene.			1					0	0		
Helder	30.15	765 8	30.15	765.8	40.3	4.6		ne.			5					0	0		
Hellevoetsluis	30.15	765 8	30.15	765.8	39.9	4.4	64	ne.			2					0	0	very cloudy	H. van der Brink.
Utrecht	30.11	764.7	30.15	765.9	41.0	5.0	70	ne.			3		7			0	0		
Sub-series.																			
Batavia, Java	29.84	757.9			77.2	25.1	88	nw.	0	0			8			0	0		Lt. J.J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	30.24	768.2	30.31	769.8	42.8	6.0	47	calm	0	0			0			0	0		
Brono	30.31	769.9	30.35	770 9	42.4	5.8	78	sse.			2		8			0	0		
Christiania	30.18	766.5	30.33	770 3	45.7	7.6	48	se.	4	2			2			0	0		
Gjesvær	30.22	767 5	30.24	768.1	26.2 —	3.2		nne.			4		10			0	0		
Lodingen	30.24	768.2	30.29	769.4	36.5	2.5	61	w.			2		9			0	0		
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos
Funchal, Madeira	29.89	759.3	29.98	761.6	60.1	15.6	56	se.	2.5	1.1			8			0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.38	746.3	29.72	754.8	52.0	11.1	71	sse.	3.1	1.4			9			0.083	2.1		The Staff.
Ponta Delgada, Azores	30.22	767.7	30.30	769.5	57.9	14.4	53	nne.	25.5	11.4			4			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.92	760 0	29.96	760.9	69.3	20.7	62	nne.			3		5			0	0		
San Salvador, Congo	27.98	710 6	29.77	756.1	87.3	30.7	60	sw.			1		4			0	0		
Serra da Estrella	24.92	633.0	29.76	755.9	32.4	0.2	100	ese.	22.4	10.0			10			0.150	3.8		
RUSSIAN.																			
Akmolinski	29.18	741.1	30.34	770.7	19.2 —	7.1	100	n.	11	5			10 n			0.020	0.5	snowing	Major K. Lasarew.
Archangel	29.88	758.9	29.90	759 4	30.4 —	0.9	78	nw.	4	2			10			0	0	light clouds	Capt. Sselliwerstow
Ashurada	30.33	770.3	30.23	767.9	54.3	12.4	78	w.	9	4			10 ku			0	0		
Astrakhan	30.50	774.6	30.42	772.6	35.8	2.1	64	se.	18	8			10 k;s			0	0		Capt. Wisganow.
Baku	30.34	770.5	30.29	769.3	45.5	7.5	68	nne.	13	6		0	8 ks			0	0	light clouds	
Barnaul	29.88	758.9	30.43	772.8	14.4 —	9.8	86	s.	2	1			9			inap.	inap.		Meteorological Office.
Bielosersk	29.61	752.1	30.10	764.5	31.1 —	0.5	82	wsw.	4	2			10 s			0	0		
Dorpat	29.98	761.5	30.23	767.9	37.6	3.1	71	calm	0	0		0	0			0	0		Rosenthal.
Ekaterinburg	29.42	747.2	30.42	772.0	39.2	4.0	53	wsw.	9	4		5 cs	0			0	0	light clouds	
Elissawetgrad	29.58	751.3	30.03	762.8	53.4	11.9	89	se.	13	6		0	5 ks			0.079	2.0		meteorological Obs'y.
Kasan	30.22	767.5	30.50	771.8	28.0 —	2.2	73	sse.	11	5		10 cs	0			0	0	light clouds	
Kem	30.00	762 1	30.06	763 4	32.2	0.1	83	ne.	22	10			10 ks			0	0		Observatory.
Kerch	30.07	763 7	30.09	764 3	55.6	13.1	74	calm	0	0		0	0			0	0		
Kieff	29.28	743.8	29.94	760.4	39.0	3.9	97	se.	16	7			10 n			0.713	18.1		Lagorio & Sastyrez.
Koslov	29.80	757.0	30.34	770.7	25.9 —	3.4	78	sse.	11	5			10 s			0	0		Observatory.
Lgov	29.61	752 2	30.22	767.7	35.0	2.0	89	e.	7	3			10			0	0		
Libau	30.17	766 3	30.19	766 9	36.1	2.3	68	e.	11	5			10			0	0		R. I. Saweljew, Enginr.
Lugan	30.01	762.2	30.22	767.6	33.8	1.0	89	e.	22	10			10			0	0		
Moscow	29.74	755 5	30.25	768.4	30.0 —	1.1	78	calm	0	0		0	6 ks			0.012	0.3		Meteorological Obs'y.
Nertschinsk	27.80	706.2	30.28	769.1	12.2 —	11.0	37	nw.	4	2			0			0	0		Meteorological Obs'y.
Nikolaiev	29.96	761.0	30.03	762.8	55.4	13.0	77	s.	22	10		ck	7 n			0.016	0.4		Capt. Kurdakow.

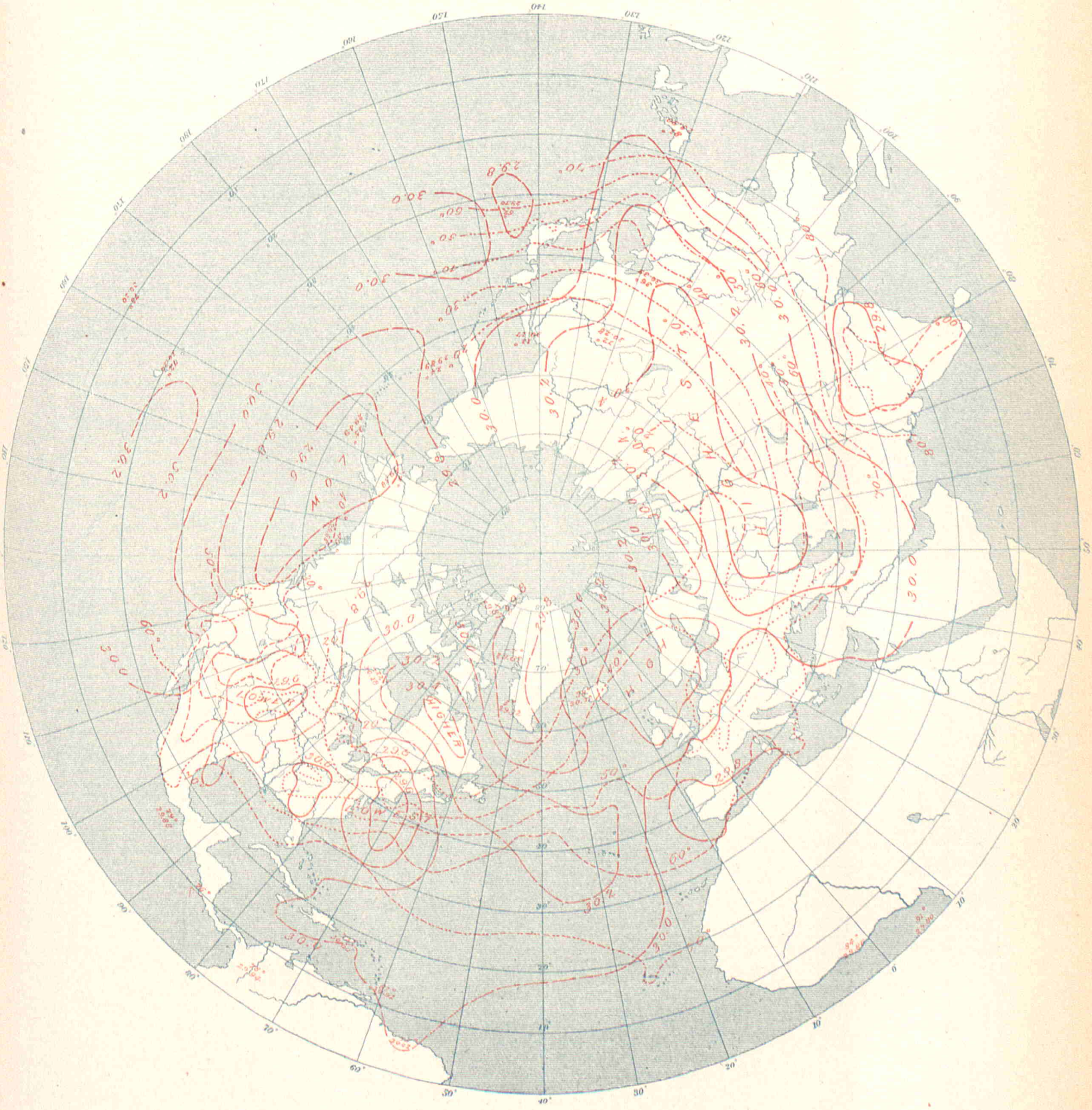
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.08	764.0	30.17	766.2	10.6	—11.9	82	ese.	7	3	.....	.....	9 n	.....	.....	.....	.....	light snow..	Iwanow.
Pekin, China	30.24	768.2	30.39	771.8	36.1	2.3	44	sw.	3.4	1.5	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.98	761.4	30.34	770.6	59.0	10.0	22	ne.	9	4	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.81	757.2	30.02	762.4	36.3	2.4	72	nw.	11	5	.....	7 ck	0	.....	.....	0.236	6.0	.....	Dr. Beremann.
Pinsk	29.47	748.4	29.98	761.4	38.7	3.7	97	nne.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
Poti	30.04	762.9	30.07	763.7	59.4	15.2	83	w.	2	1	.....	.....	0	.....	.....	0	0	.....	
St. Petersburg	30.15	765.7	30.17	766.3	34.2	1.2	60	wnw.	11	5	.....	0	0	.....	.....	0.035	0.9	.....	Central Physical Obs'y.
Samarkand	27.63	701.9	30.14	765.6	47.8	8.8	59	e.	22	10	.....	0	5	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.64	752.8	30.35	770.8	20.7	— 6.3	93	e.	9	4	.....	.....	10	.....	.....	0.067	1.7	.....	Major Lasarew
Sevastopol	29.79	756.7	30.00	762.0	69.1	20.6	40	s.	20	9	.....	1 cs	0	.....	.....	0	0	.....	
Staroi Bykhov	29.51	749.6	30.09	764.2	36.5	2.5	91	ene.	7	3	.....	.....	10	.....	.....	0.228	5.8	.....	Carl Hagen.
Tashkend, Laboratory	28.56	725.3	30.24	768.1	53.6	12.0	35	nw.	4	2	.....	.....	9 k	.....	.....	.....	.....	light clouds	Terch, A. M.
Tiflis	28.80	731.6	30.24	768.0	54.1	12.3	57	se.	2	1	.....	.....	10	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.63	701.9	30.22	767.7	37.9	3.3	58	calm	0	0	.....	1 c	0	.....	.....	.....	.....	.....	Lariono.
Viatka	29.71	754.6	30.37	771.4	32.5	0.3	58	s.	31	14	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	29.88	759.0	29.95	760.7	27.5	— 2.5	48	nw.	22	10	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.55	750.6	29.98	761.5	44.6	7.0	91	ene.	4	2	.....	.....	10 ks	.....	.....	.....	.....	heavy cl'ds.	Astronomical Obs'y.
Yeniseisk	30.15	765.8	30.46	773.7	21.7	— 5.7	64	calm	0	0	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.61	752.1	30.14	765.5	32.7	0.4	66	ssw.	8.6	3.8	.....	.....	10	.....	s.	inap.	inap.	cloudy	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.71	754.6	29.82	757.4	51.3	10.7	92	e.	.....	.....	.....	.....	10	.....	.....	.....	.....	rainy	B. Jelin.
Bilbao, Met. Obs'y	29.78	756.4	29.84	757.9	60.1	15.6	48	ne.	1.1	0.5	.....	2	3	se.	.....	0.020	0.5	cloudy	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.53	681.4	29.81	757.2	48.2	9.0	70	e.	3.8	1.7	.....	.....	0	.....	.....	0.059	1.5	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.54	699.5	29.76	755.8	55.6	13.1	59	se.	4.5	2.0	.....	.....	10	.....	.....	0	0	covered	The Staff.
Murcia, Met. Obs'y	29.61	752.2	29.75	755.7	60.1	15.6	73	ese.	2.7	1.2	.....	4	6	W.	.....	0.008	0.2	misty	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.84	732.4	29.72	755.0	54.1	12.3	64	ne.	9.4	4.2	.....	.....	8	.....	.....	0.079	2.0	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.91	759.8	29.98	761.5	73.7	23.2	86	e.	2.5	1.1	.....	0	8	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.84	758.0	29.90	759.5	81.0	27.2	63	sse.	11.0	4.9	.....	0	8	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.69	754.0	29.78	756.5	55.2	12.9	76	s.	7.3	3.3	.....	.....	10	.....	se.	0.868	22.0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.91	759.6	30.00	761.9	72.7	22.6	79	calm	0	0	.....	3 cs	4 k	sw.	sw.	0.016	0.4	d. clouds	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.16	766.0	30.20	767.0	35.2	1.8	65	n	.....	.....	2	.....	0	.....	.....	0	0	.....	
Umea	30.25	768.3	30.30	769.6	44.6	7.0	77	ne.	.....	.....	4	.....	3	.....	.....	0	0	.....	
Hernosand	30.24	768.0	30.29	769.3	49.6	9.8	45	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Stockholm	30.11	764.8	30.29	769.3	44.2	6.8	56	n.	.....	.....	6	.....	2	.....	.....	0	0	.....	
Wisby	30.11	764.9	30.17	766.4	39.2	4.0	58	ene.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.20	767.1	30.29	769.3	43.0	6.1	58	n.	11.2	5.0	.....	.....	3	.....	.....	0.004	0.1	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.52	724.4	29.98	761.4	43.7	6.5	57	n.	.....	.....	2	.....	0	.....	.....	0	0	clear	
TURKISH.																			
Constantinople	.....	.....	30.02	762.5	66.0	18.9	44	sw.	0	0	.....	.....	5	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	30.00	762.1	59.5	15.3	.....	ne.	.....	.....	1	.....	8	.....	.....	0.12	3.	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.05	763.2	63.1	17.3	73	n.	.....	.....	3	2 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.59	751.6	29.68	753.9	43.6	6.4	78	w.	7	3.1	.....	.....	10 n	.....	w.	0.49	12.4	light rain	J. O. Barnes.
Alpena, Michigan	29.27	743.4	29.97	761.2	31.8	— 0.1	88	nw.	4	1.8	.....	0	0	.....	.....	0.19	4.8	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.87	631.7	29.89	759.2	31.2	— 0.4	82	e.	5	2.2	.....	.....	10 s	.....	.....	0.34	8.6	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	26.86	682.2	29.88	758.9	31.4	— 0.3	86	w.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	J. J. O'Connor.
Atlanta, Georgia	28.81	731.8	30.02	762.5	51.0	10.6	62	nw.	8	3.6	.....	0	sk.	.....	.....	0	0	clear	S. W. Beall
Atlantic City, New Jersey	29.61	752.1	29.62	752.3	49.6	9.4	71	w.	7	3.1	.....	8 k	0	w.	.....	0	0	cloudy	B. A. Blundon.
Augusta, Georgia	29.82	757.4	30.02	762.5	55	12.8	69	calm	0	0	.....	0	0	.....	.....	0	0	clear	W. J. Evans.
Baltimore, Maryland	29.67	753.6	29.72	754.9	51.0	10.6	66	nw.	10	4.5	.....	4c;cs	0	nw	.....	0.02	0.5	fair	Geo. W. Folger.
Barnegat City, New Jersey	29.59	751.6	29.61	752.1	48.6	9.2	77	w.	13	5.8	.....	0	4 k	.....	nw.	0	0	fair	J. P. Sherry.
Bennett, Fort, Dakota	27.86	707.6	29.56	756.8	39.5	4.2	78	nw.	4	1.8	.....	.....	10 s	.....	nw.	0	0	cloudy	A. Pritchard.
Benton, Fort, Montana	26.96	684.8	29.94	760.5	31.0	— 0.6	71	nw.	7	3.1	.....	.....	10 n	.....	.....	.....	.....	light snow	O. S. Bennett.
Block Island, Rhode Island	27.70	703.6	29.62	752.3	34.5	1.4	85	e.	4	1.8	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Boise City, Idaho	29.49	749.0	29.52	749.8	41.8	5.4	94	nw.	9	4.0	.....	0	9 ks	.....	nw.	0.88	22.4	cloudy	J. T. Elker.
Boston, Massachusetts	26.96	684.8	29.88	758.9	33.0	0.6	87	nw.	3	1.3	.....	1 cs	0	.....	.....	0.31	7.9	clear	James Kenealy.
Brownsville, Texas	29.69	754.1	29.75	755.6	69.8	21.0	93	s.	11	4.9	.....	.....	10 ks	.....	nw.	0.82	20.8	cloudy	O. B. Cole.
Buffalo, New York	29.03	737.3	29.82	757.4	37	2.8	95	nw.	4	1.8	.....	.....	10 n	.....	.....	0.49	12.4	light rain	D. Cuthbertson.
Buford, Fort, Dakota	27.50	698.5	29.66	753.4	35.2	1.8	89	ne.	9	4.0	.....	2 cs	0	w.	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.60	751.8	30.02	762.5	52.2	11.2	68	s.	1	0.4	.....	.....	10 s	.....	s.	0	0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.47	748.5	29.67	753.6	38.3	3.5	89	e.	20	8.9	.....	0	0	.....	.....	0	0	clear	J. H. Young.
Cape Henry, Virginia	29.76	755.9	29.78	756.4	52.0	11.1	72	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	29.64	752.8	29.67	753.6	44.0	6.7	87	w.	16	7.2	.....	3 c	3 s	n.	w.	0	0	fair	W. E. Smith.
Cape Mendocino, California	28.99	736.3	29.68	753.9	40.3	4.6	94	se.	38	17.0	.....	.....	10 n	.....	.....	0.24	6.1	light rain	A. P. Leavitt.
Cedar Keys, Florida	29.96	761.0	29.98	761.5	63.3	17.4	65	n.	14	6.3	.....	0	0	.....	.....	0.45	11.4	clear	G. W. Davis.
Charleston, S. Carolina	29.85	758.2	29.91	759.7	58.3	14.6	87	nw.	6	2.7	.....	0	0	.....	.....	0.22	5.6	clear	J. H. Smith.
Charlotte, N. Carolina	29.08	738.6	29.96	761.0	54.2	12.3	60	nw.	4	1.8	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.18	741.2	30.03	762.7	48.0	8.9	77	nw.	2	0.9	.....	2 cs	0	.....	.....	0	0	clear	B. L. Goulding.
Cheyenne, Wyoming	23.42	594.9	29.62	752.3	30.2	— 1.0	100	n.	8	3.6	.....	0	5 s	.....	.....	0.08	2.0	fair	E. McGovern.
Chincoteague, Virginia	29.22	742.2	29.96	761.0	46.2	7.9	73	w	3	1.3	.....	0	0	.....	.....	0	0	clear	Wm. Norrington.
Cincinnati, Ohio	29.71	754.6	29.73	755.1	50.0	10.0	72	nw.	17	7.6	.....	0	5 k	.....	nw.	0.15	3.8	fair	C. F. Dickens.
Cleveland, Ohio	29.35	745.5	30.04	763.0	49.7	9.8	73	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	L. Dunne.
Columbus, Ohio	29.18	741.2	29.96	761.0	38.0	3.3	91	w.	9	4.0	.....	0	sk.	.....	w.	0.09	2.3	clear	W. Line.
Concho, Fort, Texas	29.12	739.6	30.01	762.2	43.0	6.1	68	sw.	4	1.8	.....	0	sk.	.....	.....	inap.	inap.	clear	F. T. Williams.
Custer, Fort, Montana	27.79	705.9	29.76	755.9	55.1	12.8	51	s.	24	10.7	.....	0	0	.....	.....	0	0	clear	C. E. King.
Davenport, Iowa	26.35	669.3	29.68	753.9	35	2.2	82	w.	4	1.8	.....	0	8 ks	.....	.....	0	0	cloudy	W. J. Daily.
Davis, Fort, Texas	29.23	742.4	29.92	760.0	49.0	9.4	56	sw.	4	1.8	.....	5 ck	c	w.	.....	0	0	fair	R. R. Martin.
Dayton, Washington Ty	25.03	635.8	29.90	759.4	42.9	6.1	76	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Williams.
Deadwood, Dakota	28.02	711.7	29.84	757.9	35.5	1.9	72	s.	10	4.5	.....	0	0	.....	.....	0.10	2.5	clear	T. Gibson.
Delaware Breakwater, Del	24.87	631.7	29.71	754.6	38.0	3.3	76	w.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	G. W. Scott.
Denver, Colorado	29.68	753.9	29.70	754.4	46.5	8.1	77	nw.	15	6.7	.....	0	6 k;s	.....	nw.	0.01	0.3	fair	G. A. Martin.
Des Moines, Iowa	24.15	613.4	29.59	751.6	38.8	3.8	51	calm	0	0	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	E. M. Neal.
Detroit, Michigan	28.82	732.0	29.78	756.4	49	9.4	63	s.	4	1.8	.....	10 cs	0	w.	.....	0	0	cloudy	F. W. Conrad.
Dodge City, Kansas	29.22	742.2	29.98	761.5	40.1	4.5	82	w.	0	2.7	.....	.....	0	.....	.....	0.10	2.5	clear	N. B. Conger.
Dubuque, Iowa	26.84	681.7	29.57	751.1	51.3	10.7	61	se.	25	11.2	.....	0	1 s	.....	se.	0	0	clear	J. E. Lanouette.
Duluth, Minnesota	29.15	740.4	29.90	759.4	42.3	5.7	79	sw.	3	1.3	.....	0	8 ks	.....	w.	0	0	cloudy	J. Harvey Smith
Eastport, Maine	29.11	739.4	29.90	759.4	31.8	— 0.1	79	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	E. R. Brace.
Elliott, Fort, Texas	29.55	750.9	29.62	752.3	36.0	2.2	94	e.	31	13.9	.....	.....	10 n, fg	.....	e.	0.31	7.9	light rain	D. C. Murphy.
El Paso, Texas	26.78	680.2	29.61	752.1	47.5	8.6	71	s.	18	8.0	.....	0	1 s	.....	.....	0	0	clear	J. C. Rickli.
Erie, Pennsylvania	26.15	664.2	29.95	760.7	41.0	5.0	59	w.	13	5.8	.....	0	1 s	.....	.....	0	0	clear	F. Belford.
Escanaba, Michigan	29.12	739.6	29.89	759.2	37.0	2.8	94	w.	11	4.9	.....	.....	10 n	.....	w.	1.05	26.7	light rain	P. Wood.
Fort Smith, Arkansas	29.25	742.9	29.96	761.0	28.0	— 2.2	82	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear	L. M. Pindell.
Galveston, Texas	29.32	744.7	29.81	757.2	57.5	14.2	57	e.	8	3.6	.....	.....	10 s	.....	s.	0	0	cloudy	J. B. Campbell.
Grand Haven, Michigan	29.81	757.2	29.85	758.2	66.0	18.9	91	se.	8	3.6	.....	3 ck	5 s	se.	se.	0	0	cloudy	E. O'C. Macinerney
Grant, Fort, Arizona	29.28	743.7	29.98	761.5	37.1	2.8	82	ne.	1	0.4	.....	0	0	.....	.....	inap.	inap.	clear	Joseph E. Mueller
Hatteras North Carolina	25.14	638.5	29.97	761.2	30.7	— 0.7	76	nw.	9	4.0	.....	0	2 ks	.....	nw.	0.09	2.3	clear	Chas. A. Read.
	29.78	756.4	29.78	756.4	57.0	13.9	64	nw.	18	8.0	.....	0	hz.	.....	.....	1.35	34.3	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.50	647.7	29.82	757.4	31	— 0.6	81	nw.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.12	714.2	29.60	751.8	40.8	4.9	82	se.	8	3.6	.....	.....	10 ks	.....	sw.	0	0	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.16	740.7	30.00	762.0	43.8	6.6	80	calm	0	0	.....	0	0	.....	.....	0.01	0.3	clear	C. F. R. Wappenhans
Indianola, Texas	29.78	756.4	29.81	757.2	66.2	19.0	92	se.	7	3.1	.....	.....	10 s	.....	s.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	29.94	760.5	29.99	761.7	61.2	16.2	74	w.	3	1.3	.....	0	0	.....	.....	0.29	7.4	clear	J. W. Smith.
Keokuk, Iowa	29.21	741.9	29.90	759.4	48.2	9.0	66	se.	13	5.8	.....	0	0	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	29.95	760.7	29.97	761.2	75.8	24.3	82	sw.	3	1.3	.....	3 ck	2 ks	sw.	.....	0	0	fair	J. J. Lackey.
Kittyhawk, North Carolina	29.77	756.1	29.79	756.7	54.4	12.4	53	nw.	14	6.3	.....	0	0	.....	.....	0.03	0.8	clear	Wesley Blake.
Knoxville, Tennessee	28.98	736.1	30.04	763.0	45	7.2	93	ne.	1	0.4	.....	0	fg.	.....	.....	inap.	inap.	clear	J. A. Cody.
La Crosse, Wisconsin	29.03	737.3	29.85	758.2	43	6.1	74	s.	8	3.6	.....	.....	10 s	.....	s.	0	0	cloudy	S. C. Emery.
Leavenworth, Kansas	28.81	731.8	29.75	755.6	51	10.6	60	se.	8	3.6	.....	0	0	.....	.....	0	0	clear	C. Dill.
Lewiston, Idaho	29.08?	738.6?	29.94?	760.5?	41.0	5.0	74	sw.	1	0.4	.....	.....	10 s	.....	.....	0.18	4.6	cloudy	C. E. Butler.
Little Rock, Arkansas	29.57	751.1	29.90	759.4	57.0	13.9	57	se.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	W. U. Simons.
Los Angeles, California	29.71	754.6	30.11	764.8	39.0	3.9	89	ne.	6	2.7	.....	0	0	.....	.....	0.02	0.5	clear	T. S. Collins.
Louisville, Kentucky	29.41	747.0	30.00	762.0	50.9	10.5	72	calm	0	0	.....	3 c	sk.	sw.	.....	0	0	clear	E. B. Garriott.
Lynchburg, Virginia	29.14	740.1	29.86	758.4	54.0	12.2	55	nw.	11	4.9	.....	1 k	0	w.	.....	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.29	744.0	29.99	761.7	31.8	— 0.1	80	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.84	757.9	29.85	758.2	56.6	13.7	54	nw.	14	6.3	.....	0	0	.....	.....	0.25	6.3	clear	William Daly.
Maginnis, Fort, Montana	.....	.....	.....	.....	28.7	— 1.8	59	ne.	28	12.5	.....	.....	10 n	.....	ne.	0.09	2.3	heavy snow	F. Burke.
Marquette, Michigan	29.20	741.7	29.98	761.5	30.4	— 0.9	74	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.60	751.8	29.94	760.5	54.5	12.5	58	se.	4	1.8	.....	0	9 s	.....	w.	0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.17	740.9	29.96	761.0	43.9	6.6	73	sw.	1	0.4	.....	0	sk.	.....	.....	0	0	clear	S. W. Rhode.
Mobile, Alabama	29.92	760.0	29.96	761.0	56.3	13.5	72	ne.	3	1.3	.....	7 ck	0	w.	.....	0	0	fair	H. U. Jones.
Montgomery, Alabama	29.75	755.6	29.99	761.7	52.3	11.3	89	nw.	2	0.9	.....	1 cs	0	.....	.....	inap.	inap.	clear	S. M. Leitzell.
Moorhead, Minnesota	28.61	726.7	29.69	754.1	28	— 2.2	88	se.	6	2.7	.....	1 k	0	s.	.....	0	0	clear	H. Bessant.
Mt. Washington, N. H.	23.41	594.6	29.93	760.2	33.5	0.8	100	calm	0	0	.....	.....	fg.	.....	.....	0.51	13.0	dense fog	J. H. Melton.
Nashville, Tennessee	29.40	746.7	30.00	762.0	46.4	8.0	92	e.	2	0.9	.....	6 c	fg.	w.	.....	inap.	inap.	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.44	747.8	29.56	750.8	44	6.7	93	calm	0	0	.....	0	8 s	.....	.....	0.67	17.0	cloudy	J. H. Sherman.
New London, Connecticut	29.49	749.0	29.54	750.3	43.0	6.1	93	nw.	5	2.2	.....	.....	10 s	.....	nw.	0.75	19.0	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.85	758.2	29.91	759.7	60.6	15.9	85	se.	5	2.2	.....	3 ck	fg.	nw.	.....	0	0	clear	M. Hermau.
New York, New York	29.42	747.3	29.60	751.8	46.4	8.0	80	w.	7	3.1	.....	0	7 ks	.....	w.	0.48	12.2	fair	W. Finn.
Norfolk, Virginia	29.73	755.1	29.76	755.9	55.4	13.0	61	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	Wm. Davis.
North Platte, Nebraska	26.43	671.3	29.49	749.0	45.6	7.6	83	e.	12	5.4	.....	0	2 s	.....	.....	0	0	clear	E. F. Brady.
Olympia, Washington Ter	29.69	754.1	29.73	755.1	32.0	0.0	88	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	J. Dascomb
Omaha, Nebraska	28.46	722.9	29.71	754.6	52.7	11.5	68	se	10	4.5	.....	.....	10 ks	.....	se.	0	0	cloudy	A. Pollak
Oswego, New York	29.37	746.0	29.71	754.6	36.3	2.4	100	nw.	10	4.5	.....	.....	fg.	.....	nw.	0.36	9.1	dense fog	J. G. Linsley.
Palestine, Texas	29.25	742.9	29.82	757.4	56.3	13.5	79	s.	13	5.8	.....	2 cs	2 s	sw.	.....	0	0	fair	P. T. Jenkins.
Pensacola, Florida	29.93	760.2	29.96	761.0	57.8	14.3	65	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	29.56	750.8	29.66	753.4	50.0	10.0	86	nw.	10	4.5	.....	.....	10 k	.....	nw.	0.01	0.3	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.16	435.9	29.75	755.6	— 1.0	—18.3	89	w.	56	25.0	.....	0	8 s	.....	w.	0	0	cloudy	H. Hall.
Pittsburg, Pennsylvania	29.05	737.9	29.90	759.4	43.0	6.1	83	w	12	5.4	.....	.....	10 s	.....	w.	0.11	2.8	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	30.3	— 0.9	.....	.....	.....	.....	.....	1 cs	0	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.22	742.2	29.91	760.5	37.8	3.2	92	nw.	7	3.1	.....	0	0	.....	.....	0 16	4.1	clear	M. H. Perry
Portland, Maine	29.42	747.3	29.47	748.5	41.6	5.3	91	n	11	4.9	.....	.....	fg.	.....	.....	1.66	26.9	dense fog	W. W. Eichelberger.
Portland, Oregon	29.63	752.6	29.70	754.4	35.6	2.0	90	sw.	2	0.9	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	M. L. Hearne.
Prescott, Arizona	24.56	623.8	29.95	760.7	26.5	— 3.1	96	se.	12	5.4	.....	0	0	.....	.....	0.19	4.8	clear	N. D. Lane.
Provincetown, Mass	29.42	747.3	29.44	747.8	38.8	3.8	99	nw.	12	5.4	.....	.....	10s;fg	.....	nw.	2.18	55.4	cloudy	O. N. Kitchel.
Red Bluff, California	29.52	749.8	29.89	759.2	43.5	6.4	82	s.	28	12.5	.....	.....	10 ks	.....	s.	0	0	cloudy	J. R. Williams.
Rio Grande City, Texas	29.57	751.1	29.81	757.2	64.0	17.8	40	se.	1	0.4	.....	1 c	0	.....	.....	0	0	clear	L. G. Schultz.
Rochester, N. Y	29.08	738.6	29.78	756.4	38.3	3.5	100	nw.	7	3.1	.....	.....	10u;fg	.....	.....	0.16	4.1	light rain	E. W. McGann.
Roseburg, Oregon	29.10	739.1	29.66	753.4	38.4	3.6	86	e.	3	1.3	.....	.....	10 u	.....	sw.	0.14	3.6	light rain	J. J. Nanry.
Sacramento, California	29.90	759.4	29.98	761.5	45.0	7.2	83	se.	14	6.3	.....	0	0	.....	.....	0.06	1.5	clear	J. A. Barwick.
St. Louis, Missouri	29.30	744.2	29.95	760.7	53.0	11.7	68	se.	15	6.7	.....	7c;cs	0	w.	.....	0	0	fair	J. H. Weber.
St. Michael, Fort, Alaska	29.54	750 3	29.58	751.3	— 4	—20.0	100	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	28.88	733.5	29.79	756.7	40.6	4.8	77	se.	4	1.8	.....	4 ck	0	sw.	.....	0	0	fair	P. F Lyons.
St. Vincent, Minnesota	28.84	732.5	29.78	756.4	23.7	— 4.6	92	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	C. B Dilley.
Salt Lake City, Utah	25.39	644.9	29.91	759.7	33.8	1.0	78	calm	0	0	.....	.....	10 n	.....	.....	0.07	1.8	light snow	J. Craig.
San Diego, California	30.05	763 3	30.12	765.0	52.0	11.1	62	w.	9	4.0	.....	0	4 k	.....	w.	0.21	5.3	fair	F. R. Day.
Sandusky, Ohio	29.27	743.4	29.99	761.7	41	5.0	83	w.	11	4.9	.....	0	0	.....	.....	0.13	3.3	clear	B. F. Hough.
Sandy Hook, New Jersey	29.58	751.3	29.61	752.1	45.6	7.6	76	w.	24	10.7	.....	8 k	0	w.	.....	0.15	3.8	cloudy	V. P. Chappel.
Sanford, Florida	29.89	759.2	29.94	760.5	64.0	17.8	92	nw.	7	3.1	.....	0	0	.....	.....	0.56	14.2	clear	J. B. Marbury
San Francisco, California	29.85	758.2	29.92	760 0	49.0	9.4	79	se.	16	7.2	.....	.....	10 n	.....	s.	0.01	0.3	light rain	N. Gorom.
Savannah, Georgia	29.87	758.7	29.96	761.0	58	14.4	60	nw.	9	4.0	.....	0	0	.....	.....	0.36	9.1	clear	H. W. Ford.
Shaw, Fort, Montana	26.14	663.9	29.94	760.5	27.5	— 2.5	82	nw.	4	1.8	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.63	752.6	29.80	756.9	56.8	13.8	60	se.	6	2.7	.....	8 cs	1 s	w.	.....	0	0	cloudy	E. N. Meekins.
Sitka, Alaska	29.58	751.3	29.65	753.1	39.9	4.4	76	e.	20	8.9	.....	.....	10 ks	.....	e.	0	0	cloudy	F. W. Fickett.
Smithville North Carolina	29.86	758.4	29.90	759 4	56.4	13.6	50	nw.	6	2.7	.....	0	0	.....	.....	0.29	7.4	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.62	701.5	29.76	755.9	36.0	2.2	77	n.	13	5.8	.....	.....	10 n	.....	.....	inap.	inap.	light snow	D. Moore.
Springfield, Illinois	29.24	742.7	29.96	761.0	47.2	8.4	72	s.	10	4.5	.....	0	0	.....	.....	0	0	clear	T. B. Jennings.
Stockton, Fort, Texas	26.73	678.9	29.81	757.2	51.3	10.7	39	calm	0	0	.....	0	7 s	.....	.....	0	0	fair	J. W. Byram.
Tatoosh Id., Wash. Ter	29.62	752.3	29.72	754.9	39.5	4.2	80	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.28	692.9	30.00	763.5	38.5	3.6	91	w.	.....	.....	1	.....	10 s	.....	w.	0.09	2.3	cloudy	R. C. Lord.
Toledo, Ohio	29.23	742 4	29.96	761.0	41.2	5.1	75	w.	6	2.7	.....	0	0	.....	.....	0.04	1.0	clear	A. Buell.
Unalashka, Alaska	29.47	748.5	29.49	749.0	35	1.7	79	ne.	2	0.9	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.65	753.1	29.91	759.7	55	12.8	55	e.	6	2.7	.....	.....	10 s	.....	w.	0	0	cloudy	F. W. Mixer.
Washington, D. C.	29.64	752 8	29.76	755.9	50.1	10.1	64	w.	12	5.4	.....	0	3 s	.....	w.	0.24	6.1	clear	T. B. Harrison.
West Las Animas, Colorado	25.38	644.6	29.45	748.6	38.4	3.6	66	sw.	10	4.5	.....	4 cs	0	sw.	.....	0	0	fair	F. R. Brandenburg
Wilmington, N Carolina	29.84	757.9	29.90	759.4	58.0	14.4	48	nw.	7	3.1	.....	0	0	.....	.....	0.39	9.9	clear	L. H. Albrecht.
Yankton, Dakota	28.24	717.3	29.63	752.6	42.8	6.0	81	e	2	0.9	.....	10 k	0	e.	.....	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.90	759.4	30.05	763.3	47.3	8.5	61	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	W. S Delano.
Sub-series.																			
Behringsland, Kamchatka	29.87	758.7	29.89	759.2	23.7	— 4.6	70	ne.	19	8.5	.....	.....	10 k;n	.....	ne.	0.01	0.3	cloudy	George Oberuick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	83	28.3	.....	ne.	.....	.....	2	1 c	1 k	.....	ne.	0	0	fair	W. F. Jackson.
Bogota, U. S. C.	22.00	558.4	.....	.....	54.5	12.5	93	calm	0	0	.....	0	4k;fk	.....	nw.	0.071	1.8	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.33	770.4	30.49	774.4	—23	—30 6	100	sw.	43	19.2	.....	0	0	.....	.....	0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I.	.....	.....	30.00	762.0	71.6	22.0	92	n.	1	0.4	.....	.....	10 s	.....	ne.	0	0	cloudy	Robert Johnstone.
Paramaribo, S. A.	30.02	762.5	30.02	762.5	75	23.9	90	ne.	.....	.....	2	.....	8 ks	e.	e.	0	0	cloudy	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.38	746.2	29.94	760.5	78	25.6	89	n.	.....	.....	2	.....	10 ks	.....	s.	0	0	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	.....	.....	.....	.....	75.6	24.2	85	ne.	.....	.....	1	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A.	30.11	764.8	30.18	766.6	—22.0	—30.0	.....	e.	13	5.8	.....	1 c	3 s	e.	e.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	29.98	761.4	29.98	761.6	76.3	24.6	83	n.	4.0	1.8	.....	.....	4 k	.....	n.	0	0	.....	P. Fasiani.
Naos, Bay of Panama	29.90	759.5	29.97	761.2	71.6	22.0	92	n.	.....	.....	4	.....	.....	.....	.....	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Alvo, Gonaive-, Hayti, W. I	30.06	763 5	74	23.3		ne.			3		4		calm	o	o			fair.
S. S. Arizona, N. 44° 00′, W. 42° 41′*†	30.32	770.1	55	12.8		ene.			6		10		e.	8 h'r	8 h'r	mod.	ene.	rainy.
S. S. Alpin, N. 34° 08′, W. 74° 12′	29.80	756.9	63	17.2		nw.			4		3		nw.	8 h'r	8 h'r	h'vy	nw.	clear.
S. S. Adriatic, N. 41° 29′, W. 50° 58′						ene.			4				ne.			mod.	e.	misty.
S. S. America, N. 37° —′, W. 39° —′*	30.21	767.3	64	17.8	83	se.			5		4		se.	o	o	sm'h	se.	fair.
S. S. Athos, N. 16° 36′, W. 80° 46′ †	29.99	761.7				e.			4		0			o	o	mod.	ne.	clear.
S. S. Caracas, Long Branch, N. J*†	29.60	751.8	54.5?	12.5?	83	wnw.			7		3		nw.			light	se.	clear
L. S. Celtic, N. 40° 29′, W. 70° —′						nw.			5		3		w.	o	o	light	w.	clear.
S. S. Donau, N. 43° 21′, W. 42° 05′	30.28	769.1				se.			2		5		e.	½h'r	½hr	sm'h	s.	fair.
S. S. Canada, (Br) N. 40° 32′, W. 73° 41′	29.63	752.5	46.4	8	61	w.			3		1 k		w.	o	o	sm'h	w.	clear.
S. S. England, Staten Id, N. Y.						sw.			3		5		sw.	10 h'r	10 h'r			fair.
S. S. Elysia, N. 40° 46′, W. 49° 34′*	30.02	762.5	41?	5.0?	100	ne.			5		10			o	o	mod	ne.	dense fog.
S. S. France, N. 45° 10′, W. 34° 17′*†	30.22	767.6				nnw.			4		6		nw.	rain	rain	sm'h	nw.	fair.
S. S. Gellert, N. 53° 47′, E. 9° 24′	30.14	765.5	42.0	5.6	91	e.			3		?		ene.	2 h'r	2 h'r	mod.	ene.	covered.?
S. S. Habsburg, N. 38° 01′, W. 73° 30′	29.63	752.6				wnw			4		3		wnw.	3 h'r	3 h'r	mod.	nw.	fair.
Schr. John Bracewell, Hart Id, N. Y.			48	8.9		wnw.			1		4		wnw.	10 h'r	10 h'r			fair.
S. S. Lampassas, N. 40° 20′, W. 73° 55′			43	6.1		nw.			7		3		nnw.			long	ese.	fair.
Bg. L. F. Munson, off Absecum Lt, N. J *†	29.55	750.6	46	7.8		wnw.			4		3		nw.	o	o	long	sse.	fair.
S. S. Nurnberg, N. 42° 25, W. 38° 35′	30.28	769.1	62.6	17.0		ese.			4		8		sse.	o	o	sm'h	ssw.	cloudy.
S. S. New York, N 31° 30′, W. 78° 30′*†	29.90	759.4	76?	24.4?		nne.			6		2		ne.			r'gh	nne.	clear.
S. S. Nessmore, N 42° 02′, W. 47° 46′			54	12.2	87	ne.			2		2?		se.	8 h'r	8 h'r	mod	sw.	cloudy.?
S. S. Orinoco, Hamilton, Bermuda, W.I†	29.93	760.2	70	21.1		s.			1		0			o	o			clear.
S. S. Pennsylvania, N. 40° 3c′, W. 46° 15′			60	15.6	94	sse.			4		2		s.	o	o	mod.	ssw.	hazy.
S. S. Rhaetia, N. 41° 08′, W. 58° 21′			50	10.0		ese.			5		10		e.			long	ese.	cloudy.
S. S. Rugia, N. 45° 40′, W. 37° 00′	30.31	769.9	56	13.3		n.			3		7		n.	4 h'r	4 h'r	3	nnw.	fair.
S. S. Rhynland, N. 47° 14′, W. 28° 36′	30.13	765.3	49	9.4		ssw.			2					3 h'r	3 h'r			overcast.
Bg. Rising Sun, N. 36° 56′, W. 68° 35′†	29.44	747.8	66	18.9		nw.			4		4		wnw.	o	o	long	s.	fair.
S. S. State of Florida, N. 52° 24′, W. 28° 45′*	30.05	763.3	48	8.9		nw.			7		4		nw.	2 h'r	2 h'r	mod	nw.	squally.
S. S. Salerno, N. 42° 26′, W. 43° 39′†	30.29	769.4	64	17.8		s.			3		4		s	o	o	sm'h	s.	fair.
S. S. Salier, N. 48° 19′, W. 26° 37′	30.04	763.0				ssw.			6		10		ssw.	2 h'r	2 h'r	mod.	sw.	rainy.
S. S. Switzerland, N. 39° 59′, W. 58° 56′ *†	29.99	761.7				e.			3		8		e.	2 h'r	2 h'r	mod.	e.	cloudy.
S. S. Samaria, N. 44° 19′ W. 45° 53′*	30.32	770.1	50	10.0		ne.			5		10		ene.	4 h'r	4 h'r	short	ne.	cloudy.
Bk. Tuck Sing, N. 23° 29′, W. 82° 21′ *†	29.96	761.0				ese.			2		0			o	o	sm'h		clear.
S. S. Valencia, La Guayra, Venezuela †	29.90	759.4	78	25.6	82	nne.			1		0			o	o	mod.	ne.	clear.
S. S. Westernland, Jersey City, N J.	29.60	751.8	53	11.7	80	w.			1		6		w.	o	o			fair.
S. S. Wieland, N. 41° 12′, W. 56° 30′			52	11.1		ene.			3		8		ene.	o	o	mod.	ene.	covered.
S. S. Weser, N. 49° 36′, W. 6° 39′	30.11	764.8	47.3	8.5		e.			5		10		e.	6 h'r	6 h'r	mod.	e.	sprinkling.
S. S. Ontario, N. 47° 44′, W. 35° 41′*	30.21	767.3	50	10.0	93	n.			6		1		n.	4 h'r	4 h'r	mod.	w.	clear.
S. S. Cienfuegos, St Jago, Cuba, W. I.	30.00	762.0	74	23.3		ene.			2		1		ene.	o	o			clear.
S. S. Frisia, N. 51° 40′, E. 2° 30′	30.17	766.3	43.2	6.2		s.			2		4?		s.	o	o	sm'h	se	cloudy.?
Schr. Adda Doane, Smith Pt, Va †	29.78	756.4				ene.			2		2		w.	1 h'r	1 h'r			clear.
S. S. Baltic, N. 50° 47′, W. 14° 57′*†	30.12	765.0				ese.			1		5		ese.	o	o	mod.	se.	fair.
S. S. Chalmette, New York, N Y *†	29.60	751.8	48	8.9		wnw.			5		5		w.	3 h'r	3 h'r			fair.
S. S. D. J. Foley, N. 37° 38′, W. 75° 00′			48	8.9	85	w.			5		3		w.	o	o	mod.	sse.	clear.
S. S. Erin, London, Engf..	30.18	766.6	45	7.2		e.			4		8		e.	o	o			overcast
S. S. Grecian, Moville, Ireland	30.29	769.4	41	5.0	74	ene.			5		10		ene.	o	o			cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I.						sw.			1		0			o	o			clear.
S. S. Lone Star, N. 39° 17′, W. 74° 06′*†	29.58	751.3	45	7.2		w.			4		4		wnw.	o	o	mod.	se.	clear.
S. S. Ohio, (Am.) N. 52° 01′, W. 7° 35′†	30.20	767.1	44	6.7	92	ese.			1		2		ese.	o	o			clear.
S. S. Rosse, N. 7° 32′, W. 45° 48′	29.89	759.2	61	27.2	79	ene.			5		4		ene.	o	o	mod.	ene.	fine.
S. S. St. Laurent, N. 49° 33′, W. 22° 25′	30.10	764.5				sw.			4		9		sw.	o	o	sm'h		covered.
Bgt. Sunlight, N. 25° 27′, W. 69° 15′*†	30.10	764.5				w.			1		2		wsw.	½h'r	½h'r	sm'h		clear.
Schr. Viola Reppard, N. 24° 55′, W. 79° 00′			80	26.7		w.			1		2		calm	o	o	sm'h		clear.
S. S. Werra, N. 49° 51′, W. 8° 50′*	30.08	764.1	46.4	8.0		ene.			5		2		ne.	o	o	r'gh	ene.	clear.
U. S. S. Kearsarge, Alexandria, Egypt	29.97	761.2	66	18.9	74	ese.			3		10					sm'h		cloudy.
U. S. S. Lancaster, Alexandria, Egypt	29.97	761.2	65	18.3	89	ese.			3		8					sm'h		squally.
U. S. S. Alliance, N 13° 21′, W. 61° 30′	29.99	761.7	74	23.3	86	ese.			3		8		e.	h'vy	h'vy	mod.		cloudy
U. S. S Galena, San Domingo, San Domingo, W.I.			70	21.1	80	n.			1		0					sm'h		clear.
U. S. S Jamestown, N. 16° 10′, W. 62° 07′	30.05	763.3	76	24.4	64	e.			2		2					long	e.	clear.
U. S. S. Portsmouth, St Thomas, W. I	29.98	761.5	71	21.7	100	ese.			3		2		e.					fair.
U. S. S. Saratoga, N. 39° 16′, W. 19° 39′	30.04	763.0	52	11.1	86	n.			7–8		2		n.	rain	rain	r'gh	n.	fair.
U. S. S. Swatara, N. 16° 25′, W. 81° 09′	29.99	761.7	77	25.0	82	nne.			2		2		nne.	o	o	mod.	nne.	fair.
U. S. S Yantic, N. 32° 23′, W. 78° 00′	29.97	761.2	66	18.9	59	n.			6		2					mod.	n.	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.73	755.1	72	22.2	80	se.			7		0							blue sky.
H. M. S. Alecto, N. 5° 04′, W. 1° 14′	29.86	758.4	84	28.9		wsw.			2		7					3	ssw.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.87	758.7	66	18.9	68	ssw.			5		3	sse.						d. clouds.
H. M. S. Minotaur, Suda Bay, Mediterranean	29.70	754.4	69.5	20.8	44	se.			6–8		0?							threatening?
H. P. M. S. Bengo, N. 15° 39′, W. 23° 25′	29.97	761.1	72.5	22.5	82	ene.			4		7		wsw.	o	o	3	ene.	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.80	757.0	91.0	32.8	74	sse.			1		5		se.	o	o	1	se.	d. clouds
S. S. British Prince, N. 46° 47′, W. 32° 33†	30.21	767.3	51	10.6	72	n.			6		7		nne.	o	o	mod	nw.	hazy.
S. S. Scandinavian, Glasgow, Scotland	30.28	769.1	43	6.1		ene.			1		10							misty.
S. S. Sardinian, N. 44° 47′, W. 43° 50′	30.27	768.8	50	10.0		ene.			4		9		sw.	o	o	mod.	e.	cloudy.
S. S. Ailsa, Aux Cayes, Hayti, W. I			69.8	21.0	91	n			1		10		n.	2 h'r	2 h'r			raining.
S. S. Alps, N. 17° 56′, W. 66° 38′			78	25.6		e.			2		3		ese.	o	o	sm'h	ne.	fine.
S. S. Dorian, N. 40° 20′, E. 1° 30′	29.70	754.4	60	15.6		ne.			6		10		nw.	7 h'r	7 h'r	mod	ne.	overcast.
S. S. Furnessia, N. 44° 30′, W. 44° 10′*†	30.30	769.6	51	10.6		ene.			5		10		ne.	1 h'r	1 h'r	cross	ne.	cloudy.
S. S. Galatia, N. 36° 02′, W. 5° 13′ *†	29.80	756.9	59	15.0		wsw.			4		8		sw.	o	o	sm'h		
S. S. Carroll, N 42° 28′, W. 70° 48′*†	29.50	749.3	38	3.3		nw.			4		10		nw.	hv'y	hv'y	long	se.	raining.
S. S. Gallia, N. 51° 09′, W. 10° 59′	30.07	763.8	45	7.2		e.			4		10		ne.	o	o	sm'h		gloomy.
S. S. Bothnia, Sandy Hook, N. J	29.59	751.6	55?	12.8?		nw.			3		8		nw.	6 h'r	6 h'r	mod.	s	cloudy.
S. S. Wyoming, N. 51° 24′, W. 10° 53′			47	8.3		e.			3		7		e.	o	o	sm'h		fair.
S. S. Westphalia, Hamburg, Germany	30.15	765.8	30?	—1.1?		e.			3		8		e.	o	o			cloudy.
S. S. Virginian, N. 41° 22′, W. 62° 00′			49	9.4		nnw.			3				ese.	o	o	sll't	wsw.	fine.
S. S. Archimede, (It.) N. 35° 49′, W. 6° 44′†	29.79	756.7	72	22.2		ne.			5		6?		ne.	o	o	mod.		clear.?
S. S. Piequa, Palermo, Sicily			64?	17.8?		se.			2		8		sse.	8 h'r	8 h'r	sm'h	nw.	cloudy.
S. S City of Merida, N. 22° 20′, W. 84° 30′*†	29.90	759.4	77.0	25.0		ne.			1				nw.	o	o			cloudy.
S. S. Italy, N. 40° 51′, W. 54° 35′*	30.05	763 3	51	10.6	96	ssw.			2		10		se.	o	o	light	se.	fine.
S. S. Muriel, N. 27° 55′, W. 66° 23′			74	23.3		ene.			3		10		e.	o	o	mod.	ene.	cloudy.
S. S. Pennland, Antwerp, Belgium	30.12	765.0	41	5.0	91	s.			2		0			o	o	mod.		clear.
S. S. Waesland, N. 41° 40′, W. 43° 56′	30.21	767.3	63	17.2		ne.			2		10		ne	o	o			cloudy.
S. S. Amsterdam, N. 45° 43′, W. 31° 12′						sse.			6		3		sse.	3 h'r	3 h'r	mod	s	fair.
S. S. Saxon, N. 42° 00′, W. 69° 55′						sw.			2		6		ne.	o	o	light	e.	blue sky.
S. S. Republic, N. 48° 40′, W. 25° 47′			40	4.4		nw.			2		10							dense fog.
S. S. Lepanto, N. 36° 56′, E 12° 00′			50	10.0	100	sw.			4		10		sw.	2 h'r	2 h'r	sll't	sw.	raining.
S. S. Marengo, Hull, England	29.80	756.9	58	14.4		ne.			1		3		se.	o	o	sm'h		fine.
Bg. Alcira, N. 37° 33′, W. 72° 51′			54	12.2		sse.			2		1		sse.			sm'h		clear.
Schr. Arthur Burton, Ponce, Porto Rico, W.I.			54	12.2	80	var.			4		4		nw.	o	o			fine.
Bk. Aureola, N. 37° 46′, W. 49° 50′†	30.06	763.5	66	18.9	84	ene.			1		1		ne.	o	o	sm'h		fine.
Bg. Abbie Clifford, N. 18° 46′, W. 59° 13′†	30.02	762.5	74	23.3		ene.			3		3		s.	5 h'r	5 h'r	h'vy	w.	clear.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	29.93	760.2	77	25.0		calm			2		8						nne.	cloudy.
S. Annie, N. 39° 20′, W. 72° 41′*	29.61	752.1				ene.			0		2		ene.	o	o			clear
Schr. Abbie H. Gheen, Springwood Mills, S. C*†	29.97	761.2	65	18.3		wnw.			5		0			6 h'r	6 h'r	mod.	ssw.	clear.
Bk. Alpha, N. 18° 03′, W. 44° 20′ *†	30.00	762.0	78	25.6		nnw.			2									clear.
						ene.			4		2		ne.	o	o	sm'h		clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
Bk. Bore, N. 11° 36′, W. 26° 05′	.....	.....	77	25.0	.....	n.	.....	.....	3	.....	4	.....	n.	0	0	sm'h	n.	fair.
S. S. Bracadale, N. 37° 16′, E. 7° 00′	.....	.....	69	20.6	.....	ese.	.....	.....	6	.....	3	.....	ene.	0	0	light	ene.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana	.....	.....	79	26.1	.....	ene.	.....	.....	4	.....	10	.....	ene.	0	0	.....	.....	cloudy.
Bk. Cato, N. 38° 22′, W. 10° 32′†	29.75	755.6	56.5	13.6	72	nne.	.....	.....	1	.....	3	.....	nne.	0	0	long	nnw.	clear.
Bk. C. S. Bushnell, N. 36° 22′, W. 2° 00′	29.83	757.7	.....	.....	.....	wsw.	.....	.....	3	.....	5	.....	ene.	0	0	sm'h	.....	hazy.
S. David Stewart, N. 33° 33′, W. 75° 41′	.....	.....	66	18.9	.....	var.	.....	.....	6	.....	10	.....	wnw.	0	0	mod.	sw.	cloudy.
S. E. B. Sutton, N. 45° 41′, W. 22° 26′*†	30.22	767.6	53	11.7	86	nne.	.....	.....	3	.....	5	.....	n.	rain	rain	mod.	nw.	fair.
Bk. Esmeralda, N. 58° 41′, W. 7° 13′	30.22	767.6	.....	.....	.....	ese.	.....	.....	3	.....	10	nw.	s.	0	0	long	w.	cloudy.
U. S. Fish Com. S. S. Fish Hawk, Kings Ferry, Fla	.....	.....	58	14.4	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. Grecian, N. 20° 02′, W. 49° 48′†	30.10	764.5	72	22.2	67	se.	.....	.....	3	.....	5	.....	var.	0	0	long	nnw.	fair.
Bk. Galeon, N. 16° 57′, W. 27° 29′	.....	.....	71.5	21.9	.....	ne.	.....	.....	5	.....	6	.....	ne.	0	0	.....	ne.	d. clouds.
Bk. Heinrich & Tonio, N. 41° 15′, W. 45° 58′*†	30.12	765.0	67?	19.4?	79	se.	.....	.....	3	.....	8	.....	se.	8 h'r	8 h'r	light	nw.	rainy.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	.....	.....	78	25.6	.....	ene.	.....	.....	4	.....	3	.....	ne.	0	0	.....	.....	
S. Henry Failing, N. 30° 26′, W. 43° 30′	.....	.....	78?	25.6?	57	s.	.....	.....	2	.....	3	.....	s.	0	0	mod.	se.	clear.
Schr. Jennie N. Huddell, N. 35° 30′, W. 75° 10′	.....	.....	60	15.6	.....	nw.	.....	.....	3	.....	0	.....	.....	2 h'r	2 h'r	long	s.	clear.
Bg. John Welsh, jr., Barbadoes, W. I†	29.97	761.2	.....	.....	.....	ene.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W. I.*†	30.01	762.2	.....	.....	.....	nne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Cindad, Venezuela	.....	.....	78	25.6	.....	ne.	.....	.....	1	.....	2	.....	ne.	1 h'r	1 h'r	.....	.....	clear.
Bg. L. & W. Armstrong, Mayaguez, Porto Rico, W. I†	30.02	762.5	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	.....	0	0	.....	.....	clear.
Light-house tender Laurel, off Pensacola, Fla†	29.93	760.2	66	18.9	.....	nne.	.....	.....	2–3	.....	2	.....	nw.	0	0	.....	.....	clear.
S. S. Madrid, N. 35° 45′, W. 33° 01′	.....	.....	62	16.7	77	e.	.....	.....	4	.....	1	.....	calm	0	0	sm'h	nnw.	clear.
Schr. Maggie Abbott, N. 25° 00′, W. 74° 10′*†	29.95	760.7	.....	.....	.....	se.	.....	.....	2	.....	2	.....	se.	0	0	mod.	.....	clear
S. S. Mendoza, N. 3° 17′, W. 40° 08′	.....	.....	.....	.....	.....	e.	.....	.....	2	.....	.....	.....	.....	4 h'r	4 h'r	sm'h	nne.	clear.
Bk. Rosalie, N. 36° 05′, W. 19° 43′*†	30.00	762.0	.....	.....	.....	nw.	.....	.....	6	.....	3	.....	nw.	2 h'r	2 h'r	high	nw.	clear.
Bk. Roslua, N. 41° 12′, W. 11° 33′	29.73	755.1	52	11.1	.....	nne.	.....	.....	6	.....	5	.....	ne.	6 h'r	6 h'r	large	nw.	fair.
Bkt. Rosebud, N. 49° 25′, W. 7° 36′*	30.04	763.0	48	8.9	.....	ne.	.....	.....	5	.....	8	.....	ne.	0	0	long	.....	
S. Salisbury, N. 40° 01′, W. 68° 03′	29.81	749.5	47.1	8.4	95	wnw.	.....	.....	4	.....	fg.	.....	.....	14 h'r	14 h'r	rg'h	var.	foggy.
Bk. Suga, Sapelo Island, Ga†	29.94	760.4	60	15.6	.....	.....	.....	.....	3	.....	2	.....	.....	4¼ hr	4¼ hr	.....	.....	clear.
Bk. Sunbeam, Lisbon, Portugal†	29.70	754.4	60?	15.6?	88	ene.	.....	.....	2	.....	6	.....	nw.	8 h'r	8 h'r	.....	.....	fair.
S. Stephen D. Horton, N. 35° 00′, W. 28° 26′ †	30.26	768.6	.....	.....	.....	wsw.	.....	.....	4	.....	6	.....	wsw.	0	0	mod.	nne.	fair.
Bk. Sillca, N. 58° 15′, E. 0° 15′	.....	.....	.....	.....	.....	e.	.....	.....	2	.....	5	.....	ne.	0	0	sm'h	.....	fair.
S. Tsemogora, N. 38° 46′, W. 03° 54′*†	29.77	756.1	.....	.....	.....	ssw.	.....	.....	5	.....	7	.....	ssw.	0	0	short	ssw.	cloudy.
Bk. Tros, N. 20° 42′, W. 45° 45′ *†	30.10	764.5	75	23.9	.....	se.	.....	.....	1	.....	6	.....	ssw.	0	0	sm'h	n.	
S. Vincenzo Accame, N. 34° 40′, E. 23° 02′†	29.67	753.7	62.6	17	.....	e.	.....	.....	9	.....	0	.....	.....	0	0	hv'y	e.	
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	83	28.3	.....	saw	.....	.....	4	.....	5	.....	sw.	2 h'r	2 h'r	.....	.....	fair.
S. S. Leipzig, N. 11° 25′, W. 27° 00′*	29.93	760.2	70.0	24.4	77	ne.	.....	.....	3	.....	10	.....	ne.	0	0	mod.	ne.	covered
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, S. Africa	29.97	761.2	66	18.9	64	sse.	14	6.3	.....	.....	0	.....	.....	0	0	sm'h	.....	clear.
U. S. S. Pensacola, S. 12° 17′, W. 11° 47′†	30.00	762.0	79	26.1	78	e.	.....	.....	3	.....	2	.....	e.	0	0	long	se.	clear.
H. M. S. Amethyst, Montevideo, Uruguay	29.08	753.9	77	25.0	84	n.	.....	.....	6	.....	0	.....	.....	.....	.....	1	n.	misty.
H. M. S. Boadicea, S. 13° 26′, E. 12° 11′	29.81	757.2	78	25.6	91	sw.	.....	.....	2	.....	2	ssw.	.....	.....	.....	3	sse.	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	30.17	766.3	64	17.8	67	se.	.....	.....	2	.....	3	se.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Montevideo, Uruguay	29.76	755.9	70.2	21.6	80	n.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela	29.86	758.4	80.2	26.8	73	wsw.	.....	.....	3	.....	2	.....	.....	2 h'r	2 h'r	2	.....	blue sky.
Bk. Adelaide, S. 16° 55′, W. 30° 15′ *†	29.98	761.5	83	28.3	.....	ese.	.....	.....	5	.....	1	.....	ese.	0	0	mod	ese.	clear.
Bk. Achille F., S. 6° 45′, W. 30° 30′*†	29.90	759.4	77.5	25.3	91	n.	.....	.....	2	.....	10	.....	e.	10 h'r	10 h'r	long	sse.	light rain.
S. Frank N. Thayer, S. 7° 03′, W. 27° 13′ *†	29.90	759.4	81	27.2	83	n.	.....	.....	3	.....	10 kn	.....	n.	9 h'r	9 h'r	light	ese.	d. clouds.
S. Gatherer, S. 8° 28′, W. 30° 05′†	29.84	757.9	81	27.2	91	sse.	.....	.....	4	.....	8	.....	se.	½ h'r	½ h'r	mod.	se.	cloudy.
S. Ismir, S. 3° 38′, W. 33° 10′ *†	29.75	755.6	.....	.....	.....	s.	.....	.....	1	.....	8	.....	calm	rain	rain	.....	ese.	overcast.
Bkt. Levanter, S. 23° 22′, W. 40° 43′ *	30.11	764.8	80	26.7	.....	ese.	.....	.....	4	.....	1	.....	ese.	0	0	mod	ese.	clear.
U. S. S. Shenandoah, Montevideo, Uruguay*	29.77	756.1	77	25.0	95	n.	.....	.....	4	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.88	758.9	49.5	9.7	89	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Alert, Shanghai, China	30.16?	766.1?	50	10.0	86	sse.	.....	.....	1	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 31° 28′, E. 144° 14′	29.70	754.4	62	16.7	100	nw.	.....	.....	6	.....	10	.....	.....	.....	.....	r'gh	.....	raining.
U. S. S. Juniata, Roze Island, Corea	30.20	767.1	35	1.7	90	nnw.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, Shanghai, China	30.27	768.8	43	6.1	93	nne.	.....	.....	4	.....	10	.....	ne.	.....	.....	.....	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	29.93	760.2	73	22.8	95	ne.	.....	.....	1	.....	1	ne.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Cleopatra, N. 24° 28′, E. 118° 03′	30.07	763.8	60	15.6	88	nne.	.....	.....	4	.....	10	.....	.....	.....	.....	2	.....	thund'r st'm
H. M. S. Champion, Shanghai, China	30.27	768.8	50	10.0	80	ne.	.....	.....	2	.....	4	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	30.08	764.0	54.9	12.7	97	ne.	.....	.....	5–6	.....	10	.....	.....	.....	.....	3	se.	squally.
H. P. M. S. Tamega, Macao, China	29.95	760.7	75.2	24	91	calm	.....	.....	0	.....	0	.....	.....	0	0	1–2	.....	blue sky.
U. S. S. Monocacy, Canton, China	29.89	759.2	67	19.4	90	n.	.....	.....	4	.....	10	.....	nnw.	.....	.....	.....	.....	raining.
S. S. Newbern, N. 30° 40′, W. 116° 20′	.....	.....	55	12.8	68	nw.	.....	.....	5	.....	8	.....	nw.	0	0	h'vy	wnw.	cloudy.
S. S. City of Chester, Cape Mendocino, Cal†	29.76	755.9	44	6.7	93	se	.....	.....	4	.....	10	.....	.....	0	0	.....	.....	
S. S. Columbia, N. 45° 01′, W. 124° 20′ *†	29.59	751.6	43	6.1	79	se.	.....	.....	4	.....	10	.....	se.	.....	.....	light	sse.	rainy.
S. S. Oregon, San Francisco, Cal†	29.86	758.4	47	8.3	77	se.	.....	.....	4	.....	10	.....	se.	.....	.....	.....	.....	raining.
S. S. Alameda, Honolulu, Sandwich Islands†	30.10	764.5	72	22.2	95	ne.	.....	.....	.....	.....	.....	.....	ne.	rain	rain	.....	.....	rainy.
S. S. Ancon, Point Vincent, Cal†	30.07	763.8	52	11.1	73	nne.	.....	.....	3	.....	0?	.....	.....	0	0	light	nw.	cloudy.?
S. S. Geo. W. Elder, Puget Sound, Wash. Ter.	.....	.....	41	5.0	80	sw.	.....	.....	2	.....	4	.....	.....	0	0	.....	.....	
S. S. State of California, Portland, Oregon†	29.67	753.6	35	1.7	.....	nw.	.....	.....	1	.....	10	.....	sw.	.....	.....	.....	.....	cloudy.
S. S. Australia, N. 10° 21′, W. 163° 08′	30.10	764.5	76	24.4	95	e.	.....	.....	4	.....	6	.....	se.	0	0	.....	.....	cloudy.
S. S. City of Pekin, Hong Kong, China †	29.92	760.0	70	21.1	61	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. City of Tokio, N. 25° 12′, W. 154° 07′†	30.32	770.1	70	21.1	90	e.	.....	.....	6	.....	10	.....	e.	.....	.....	r'gh	ene.	clear.
S. S. Granada, Panama, Panama†	29.90	759.4	73	22.8	95	nw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. San Blas, N. 15° 26′, W. 95° 02′†	29.88	758.9	79	26.1	91	wsw.	.....	.....	3	.....	2	.....	sw.	0	0	sm'h	var.	clear.
S. S. San José, N. 26° 36′, W. 114° 17′	.....	.....	59	15.0	70	nnw.	.....	.....	5	.....	7	.....	nw.	0	0	mod.	nw.	cloudy
S. S. Benalder, Hong Kong, China	29.91	759.7	74	23.3	90	nne.	.....	.....	3–4	.....	7	.....	ne.	4 h'r	4 h'r	.....	.....	cloudy.
S. S. Port Phillip, N. 17° 45′, E. 124° 36′	30.02	702.5	80	26.7	91	ne	.....	.....	1	.....	.....	.....	.....	.....	.....	mod.	e.	cloudy.
U. S. S. Richmond, N. 21° 34′, E. 114° 33′	29.95	700.7	70	21.1	100	e.	.....	.....	1	.....	10	.....	.....	0.6	15.	sm'h	.....	foggy.
S. S. Oceanic, N. 34° 04′, E. 148° 53′	30.14	705.5	52	11.1	79	s.	.....	.....	4	.....	10	.....	s.	rain	rain	4	sw.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Pinta, S. 40° 45′, ', W. 75° 11′	30.08	704.0	55	12.8	68	se.	.....	.....	4	.....	10	.....	calm	.....	.....	long	se.	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	30.01	762.2	59	15.0	94	calm	.....	.....	0	.....	2	.....	.....	.....	.....	long	.....	fair.
H. M. S. Espiegle, S. 33° 22′, E. 165° 29′	30.30	769.6	60	18.9	74	ne.	.....	.....	2–4	.....	4	n.	.....	.....	.....	1	s.	d. clouds.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	30.07	763.8	64	17.8	.....	calm	.....	.....	0	.....	6	.....	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Lark, S. 27° 12′, E. 166° 40′	30.09	764.3	68.3	20.2	82	e.	.....	.....	5	.....	4	.....	.....	.....	.....	3	e.	showery.
H. M. S. Mutine, Callao, Peru	29.94	760.5	71	21.7	.....	sse.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 20° 12′, W. 70° 11′	30.08	764.0	68	20.0	100	s.	.....	.....	1	.....	8	s.	.....	.....	.....	2	s.	d. clouds.
S. S. City of Sydney, S. 33° 52′, E. 154° 11′*†	30.09	764.3	69	20.6	75	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Onward, Callao Bay, Peru*†	30.03	762.7	71	21.7	95	se.	.....	.....	3	.....	10	.....	se.	.....	.....	long	w.	cloudy
U. S. S. Iroquois, Coquimbo, Chili	30.08	764.0	62	16.7	94	calm	.....	.....	0	.....	5	.....	.....	.....	.....	.....	.....	fair.
U. S. S. Lackawanna, Callao, Peru	29.93	760.2	72	22.2	90	se.	.....	.....	1	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.84	757.9	82	27.8	75	n.	.....	.....	3	.....	5	.....	.....	.....	.....	.....	.....	fair.
H. M. S. Magpie, S. 6° 05′, E. 105° 47′	29.83	757.7	81.5	27.5	82	sw.	.....	.....	3	.....	2	.....	.....	.....	.....	2	sw.	lightning.
H. M. S. Tourmaline, off Zanzibar, Zanzibar	29.81	757.2	83	28.3	83	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. J. W. Gildemeister, S. 5° 17′, E. 106° 00′	29.86	758.4	83.3	28.5	80	ssw.	.....	.....	1	.....	4 kn	.....	.....	0	0	.....	.....	thunder.
S. Orealia, S. 4° 22′, E. 79° 53′*	29.81	757.2	.....	.....	.....	sw.	.....	.....	3	.....	5	.....	w.	0	0	sm'h	.....	fair.

International Chart I. March 27, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B. Hazen, Chief Signal Officer.

Signal Office Litho.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 28, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.76	755.8	50.7	10.4	95	nw.	.....	.....	1	.....	10	.....	.....	1.339	34.0	covered.....	Roziers.
Algiers	.....	.....	29.74	755.5	68.7	20.4	48	s.	.....	.....	1	.....	8	.....	.....	0	0	very cloudy	Théve.
La Calle	.....	.....	29.82	757.5	64.4	18.0	53	s.	.....	.....	5	.....	2	.....	.....	0	0	fair.....	Fonfrède.
Tunis	.....	.....	29.85	758.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.85	758.2	46.4	8.0	87	se.	.....	.....	8	.....	3	.....	.....	0	0	pretty fair...	Forfert.
Laghouat	.....	.....	29.87	758.7	63.3	17.4	.....	e.	.....	.....	7	.....	2	.....	.....	0	0	fair.....	Abraham.
Biskra	.....	.....	29.90	759.5	72.7	22.6	63	e.	.....	.....	6	.....	4	.....	.....	0.047	1.2	cloudy.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	29.95	760 7	65.1	18.4	89	calm	0	0	.....	.....	10 k	.....	.....	0.830	21.1	showery.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.75	755.6	29.94	760.5	60	15.6	84	se.	5	2.2	.....	.....	10	.....	sw.	0.17	4.3	overcast.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.87	758.7	29.97	761.2	67.3	19.6	91	ne.	10	4.5	.....	.....	10	.....	.....	1.27	32.3	raining	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.46	748.3	30.01	762.2	55.8	13.2	31	se	.....	.....	2	.....	5	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.26	743 1	30.03	762.7	52.5	11.4	69	ese.	8.1	3.6	.....	.....	9	.....	.....	0.004	0.1	.....	Dr. Wierzbiski
Eperies	29.17	741.0	30.06	763.6	47.5	8.6	83	calm	.....	.....	0	cs	9 s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.77	730.8	30.03	762.7	52.2	11.2	60	sw.	.....	.....	1	.....	10	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.58	725.8	30.02	762.5	48.6	9.2	74	nw.	.....	.....	1	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.63	727.1	29.98	761.4	49.5	9.7	74	calm	.....	.....	0	.....	8	.....	.....	0	0	cloudy	The Staff.
Lemberg	29.07	738.4	30.08	763.9	47.1	8.4	71	n.	.....	.....	2	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.01	759.6	30.02	762.4	54.3	12.4	69	nw.	.....	.....	3	.....	2	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.52	749.7	29.98	761.5	55.2	12.9	56	n.	.....	.....	3	.....	2	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.73	755.2	30.02	762.4	54.7	12.6	45	calm	.....	.....	0	.....	8	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.95	760.6	30.04	763.1	55.4	13.0	64	w.	.....	.....	1	.....	1	.....	.....	0	0	.....	Royal Academy.
Vienna	29.29	744.0	30.01	762.3	54.0	12.2	55	se.	.....	.....	2	.....	4	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.59	726.1	30.01	762.2	43.3	6.3	69	e.	.....	.....	1	.....	3	.....	.....	0	0	.....	
Brussels	29.88	758.9	30.09	764.2	41.5	5.3	75	ene.	.....	.....	2	.....	10	.....	ne.	0	0	.....	
Furnes	30.06	763 6	30.08	764.1	43.3	6.3	69	nne.	.....	.....	1	.....	10	.....	.....	0	0	.....	
Maeseyck	29.98	761.6	30.11	764.8	43.3	6.3	72	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	30.12	765.0	30.22	767.6	41.0	5.0	55	e.	16	7.2	.....	.....	9	.....	.....	0.015	0.4	overcast.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.13	765.3	40.9	4.9	61	e.	3	1.3	.....	.....	10	.....	.....	.....	.....	overcast.....	John Harnup.
Bolton, Sharples	29.58	751.3	30.13	765.3	38.9	3.8	73	e.	.....	.....	.....	.....	10	.....	.....	.....	.....	overcast.....	Thomas Mackereth.
Bradford, Yorkshire	29.72	754.9	30.12	765.0	39.8	4.3	73	ne.	.....	.....	1	.....	10	.....	.....	0	0	overcast.....	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.92	760.0	29.95	760.7	85	29.4	62	ne.	.....	.....	2	.....	9	.....	.....	.....	.....	overcast.....	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	42.6	5.9	67	e.	.....	.....	0.6	.....	6	.....	.....	.....	.....	d. clouds....	John McLaren.
Chatham, School M. E	29.93	760.2	30.11	764.8	41.7	5.4	79	e.	.....	.....	1	.....	10	.....	.....	blank	blank	gloomy.....	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.79	756.7	30.02	762.5	41.4	5.2	78	ene.	.....	.....	5	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Fort Napier, Natal	27.76	705.1	30.07	763.8	69.0	20.6	61	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	gloomy.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	d. clouds	J. W. Smith.
Galway, Queen's College	29.99	761.7	30.03	762.7	46	7.8	69	se.	.....	.....	1	.....	3	.....	.....	.....	.....	.....	Wm. Ryan.
Gibraltar, Mediterranean	29.53	750.0	29.62	752 3	60.8	16.0	85	w.	.....	.....	3	.....	6	.....	.....	blank	blank	d. clouds	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.92	760.0	30.10	764.5	40.7	4.8	83	se.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Guernsey	29.69	754.1	30.00	762.0	47.0	8.3	66	e.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	30.06	763.5	30.10	764.5	40.5	4.7	73	ne.	9	4.0	.....	.....	10	.....	.....	.....	.....	misty.....	The Staff.
Leicester, Museum	29.86	758.4	30.12	765.0	42.0	5.6	72	calm	.....	.....	.....	.....	10	.....	.....	.....	.....	overcast.....	J. C. Smith.
Malta, Mediterranean	29.88	758 9	29.95	760.7	63.0	17.2	68	s.	.....	.....	2	.....	3	.....	.....	0	0	blue sky.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.68	761.5	30.02	762.5	75.0	23.9	68	n.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.87	758.7	30.20	767.1	42.7	5.9	64	ne'	.....	.....	3	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Plymouth	29.90	761.0	30.03	762.7	42.3	5.7	70	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast.....	John Merrifield.
Sandwick Manse, Orkneys	30.14	765.5	30.24	768.1	43.7	6.5	66	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	d. clouds	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.73	755.1	29.79	756.7	57.8	14.3	71	ne.	.....	.....	2	.....	9	.....	.....	.....	.....	misty.....	W. H. Lyne.
Sheffield	29.89	759.2	30.13	765.3	42.8	6.0	71	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	W. F. Cooper.
Silloth Rectory	30.11	764.8	30.14	765 5	42.2	5.7	81	e.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.13	765.3	42.2	5.7	81	e.	3	1.3	.....	.....	10	.....	.....	0	0	overcast.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	42.2	5.6	70	se.	.....	.....	0.5	.....	10	.....	.....	0	0	d. clouds.....	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.99	761.7	30.02	762.5	49.4	8.0	65	ese.	26	11.6	.....	.....	10	.....	.....	.....	.....	misty.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.64	752.8	30.03	762.7	62.2	16.8	68	s.	3.1	1.4	.....	0	4 n	.....	e.	0	0	fair.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.98	761.5	30.10	764.5	61.4	16.3	85	e.	25	11.2	.....	.....	10 k	.....	e.	0.035	0.9	cloudy.....	The Staff.
CANADIAN.																			
Bathurst, N. B	29.77	756.1	29.81	757.2	32.0	0.0	.....	nne.	15	6.7	.....	.....	10 n	.....	.....	0.15	3.8	overcast.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.51	749.5	29.56	750.8	35	1.7	99	e.	10	4.5	.....	.....	10 n	.....	.....	0.993	25.3	light rain...	H. J. Cundall, C. E
Chatham, N. B*	29.59	751.6	29.66	753.4	33	0.6	100	ne.	13	5.8	.....	.....	10 n	.....	ne.	1.51	38.4	cloudy	G. A. Blair.
Cornwall, Ontario	29.54	750.3	29.74	755 4	36.4	2.4	89	nw.	.....	.....	1	0	9 s	.....	.....	0	0	d. clouds....	Jas. Smith, M. A.
Dalhousie, N. B	29.69	754.1	29.74	755.4	33.0	0.6	.....	e.	.....	.....	3	.....	10 n	.....	.....	0.710	18.0	snowing.....	H. A. Johnson.
Father Point, Quebec*	29.87	758.7	30.20	767.1	42.7	5.9	64	ne'	.....	.....	3	.....	10 n	.....	.....	0.70	17.8	light snow...	J. McWilliams
Fort Garry, Manitoba*	29.71	754.6	29.73	755.1	30	— 1.1	85	ne.	35	15.6	.....	.....	.....	.....	.....	.....	.....	clear.....	James Stewart.
Fredericton, N. B	29.17	740.9	30.09	764.3	5	—15.0	100	nw.	15	6.7	.....	0	0	.....	.....	0	0	misty.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.52	740.8	29.59	751.6	34.0	1.1	95	ne.	10	4.5	.....	.....	10	.....	.....	0.610	15.5	light rain....	J. Chipman Seeley
Granton, Ontario	29.45	748.0	29.51	749.5	35	1.7	100	ne.	5	2.2	.....	.....	fg.	.....	.....	0.65	16.5	blue sky.....	Jas. Grant.
Halifax, N. S*	28.69	728.7	29.82	757.4	35.0	1.7	100	calm	0	0	.....	2 cs	0	sw.	.....	0	0	dense fog....	A. Allison.
Hamilton, Ontario	29 39	746.5	29.52	749.8	38	3.3	100	e.	4	1.8	.....	.....	fg.	.....	.....	2.110	53.6	blue sky.....	Geo. Dickson, B. A.
Kingston, Ontario*	29.36	745.7	29.78	756.4	42.3	5.7	83	sw.	.....	.....	1	2 c	0	W.	.....	0	0	clear.....	A. P. Knight, M. A.
Little Glace Bay, N. S	29.46	748.3	29.81	757.2	37	2.8	92	nw.	2	0.9	.....	0	0	.....	.....	0	0	overcast.....	C. H. Rigby.
London, Ontario	29.55	750.6	29.60	751.8	33.0	0.6	100	se.	1	0.4	.....	.....	10 n	.....	.....	0	0	d. clouds.....	E. B. Reed.
Medicine Hat, N. W. T	28.99	734 0	29.83	757.7	32.8	0.4	95	calm	.....	.....	0	0	6 s	.....	.....	0	0	fair.....	John Ewart.
Minnedosa, N. W. T	27.65	702 3	30.03	762.7	26	— 3.3	66	e.	3	1.3	.....	0	8 n	.....	.....	0	0	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	28.66	712.7	30.16	766.1	10	—12.2	87	n.	6	2.7	.....	0	2 s	.....	n.	0.02	0.5	cloudy.....	C. H. McLeod, C. E.
Ottawa, Ontario	29.55	750.6	29.70	755.9	37	2.8	82	nw.	1	0.4	.....	.....	10 s	.....	.....	0.080	2.0	d. clouds	A. McGill, M. A.
Parry Sound, Ontario*	29.58	751.3	29.80	756.9	37.2	2.9	81	nnw.	.....	.....	.....	2 ck	0	.....	.....	0	0	clear.....	Rev. R. Mosley.
Peterboro, Ontario	29.17	740.9	29.89	759.2	25	— 3.9	95	ne.	10	4.5	.....	0	0	.....	.....	0	0	blue sky.....	Wm. O'Connor, M.A.
Port Arthur	29.08	738.6	29.84	757.9	35.7	2.1	68	ne.	.....	.....	1	0	0	.....	.....	0	0	cloudy.....	W. P. Cooke.
Port Dover, Ontario	29.66	738.1	29.78	756 4	35	1.7	92	calm	0	0	.....	.....	10 n	.....	.....	0	0	fair.....	H. Morgan.
Port Stanley, Ontario	29.14	740 1	29.86	758.4	33	0.6	100	n.	3	1.3	.....	8 c	0	W.	.....	0	0	fair.....	M. Payne.
Qu Appelle, N. W. T	29.16	740.7	29.82	757.4	38	3.3	70	e.	10	4.5	.....	5 ck	0	W.	.....	0	0	foggy.....	Leslie Gordon.
Quebec, Quebec*	27 79	705.9	30.21	767.3	18	— 7.8	.....	calm	0	0	.....	.....	10 n	.....	nw.	0	0	cloudy	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.35	745.5	29.72	754.9	33	0.6	92	n	8	3.6	.....	.....	10 s	.....	n.	Imap.	Imap.	clear.....	W. H. McIntyre.
St. Andrews, N. B	29.39	746.5	29.87	758.7	29	— 1.7	84	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	
St. John, N. B	29.42	747.3	29.47	748.5	36	2.2	93	ne.	5	2.2	.....	.....	10 n	.....	.....	0.51	13.0	cloudy.....	
St. Pierre, N. F	29.37	746.0	29.51	749.5	36.2	2.3	100	n.	12	5.4	.....	.....	10 n	.....	.....	0.499	12.7	drizzling.....	G. Hutchinson.
Saugeen, Ontario*	.....	.....	29.88	759.0	33.8	1.0	.....	se.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Stratford, Ontario	29.10	739.1	29.84	757.9	28	— 2.2	92	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	
	28.53	724.6	29.84	757.9	34.2	1.2	76	e.	3	1.3	.....	5 ck	0	W.	.....	0	0	d. clouds.....	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill	Weather.	OBSERVERS
CANADIAN.—Continued.																			
Sydney, C. B*	29.63	752.6	29.70	754.4	33	0.6	96	ne.	3	1.3	.....	.....	10 n	.....	.....	0.33	8.4	light rain	**T.C.Hill, C.E.**
Toronto, Ontario*	29 49	749.0	29.89	759.2	37	2.8	61	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	**Magnetic Observatory.**
Woodstock, Ontario	28.78	731.0	29.88	758.9	33.4	0.8	80	ne.	8	3.6	.....	9 ck	0	se.	.....	0	0	d. clouds	**Prof. N Wolverton, M.A.**
Yarmouth, N. S*	29.43	747.5	29.50	749 3	37	2.8	100	se.	3	1.3	.....	.....	fg	.....	.....	0.53	13.5	dense fog	**Lt. F. E. Wilmot, R. N.**
CAPE COLONY.																			
Cape St. Francis Lt.House	30.15	765.8	30.18	766.6	63.5	17.5	91	sw.	.....	.....	.....	0	7 8	.....	.....	0	0	fine	**I. Garfelt.**
Cape Town, The Castle	30.02	762.5	.....	.....	74.5	23.6	32	nw	.....	.....	.....	0	0	.....	.....	0	0	.....	**Capt.R.Gardner Warton**
Springbok Fontein	27.90	708.6	.....	.....	82	27.8	42	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	**J T. Eustace**
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	29.56	750.7	29.66	753.4	44.2	6.8	94	e.	.....	.....	2	.....	4	.....	nw.	0.276	7.0	cloudy	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	53.6	12.0	82	s.	.....	.....	1	10 n	.....	s.	.....	0	0	cloudy	**Leon Herrera.**
Valparaiso	29.86	758.4	30.00	762.0	57.9	14.4	87	s.	.....	.....	1	0	0	.....	.....	.....	.....	clear	**Paez-i-Ampuero.**
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.28	769 0	30.30	769.6	38.8	3.8	74	ne.	3.4	1.5	.....	.....	4	.....	.....	0	0	cloudy	**M.Marc Dechevrens,S. J**
DANISH.																			
Copenhagen	30.19	766 8	30.24	768.0	37.4	3.0	88	e.	16	7	.....	.....	10	.....	.....	.....	.....	.....	**Oversergent Fischer.**
Fanöe	30.20	767.0	30.22	767 5	38.7	3.7	77	e.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	**Overloerer Lauridsen.**
Godthaab, Greenland	30.13	765 2	30.17	766.3	2.1	—16.6	100	wsw.	.....	.....	4	.....	10	.....	.....	.....	.....	snowing	**S. Kleinschmidt.**
Ivigtut, Greenland	30.11	764.9	30.13	765.4	9.0	—12.8	.....	nw.	.....	.....	6	.....	8	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.74	755.4	29.78	756.5	42.8	6.0	72	se.	.....	.....	7	.....	10	.....	.....	.....	.....	raining	**A. O. Thoriacius.**
Thorshavn	30.23	767.9	30.26	768.5	46.2	7.9	72	se.	13	6	.....	.....	8	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	29.82	757.5	29.87	758.7	3.4	—15.9	.....	sw.	.....	.....	4	.....	9	.....	.....	.....	.....	.....	
Vestervig	30.15	765 7	30.24	768.0	39.6	4.2	70	se.	.....	.....	4	.....	6	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
EGYPTIAN.																			
Cairo	29.75	755.6	.....	.....	89.6	32.0	.....	sw.	4.3	1.9	.....	2 ck	.....	.....	.....	0	0	.....	**Albert Ismalun, Dir.**
FRENCH.																			
Agen, Normal School	29.21	741.9	29.86	758.5	57.2	14	67	se.	.....	.....	2	.....	10 n	se.	se.	0	0	.....	**M. Labroue, Director.**
Alençon, Normal School	29.41	747.0	29.96	761.0	46.4	8	79	n.	.....	.....	1	.....	2	.....	s.	0	0	slightly cl'dy	**M. Nicot, Director.**
Arras, Normal School	29.80	756.8	29 94	760 4	43.2	6.2	53	ene.	.....	.....	2	.....	.....	ne.	ne.	0	0	.....	**M. Ungerer, Director.**
Avignon, Normal School	29.85	758.2	29.93	760 2	59.0	15.0	42	ne.	.....	.....	1	.....	8	.....	se.	0	0	very cloudy	**M. Giraud, Director.**
Bar-sur-Seine	29.39	746.4	29.94	760.4	55.4	13.0	45	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	**M. Saillard, Director.**
Beauvais, Normal School	29.77	756 2	30.05	763.2	45.7	7.6	53	e.	.....	.....	1	.....	8	.....	ene.	0	0	very cloudy	**M. Frère Eugène Marie.**
Besançon, Normal School	29.02	737.0	29.91	759.7	59.4	15.2	45	e.	.....	.....	1	.....	k	.....	nw.	0	0	.....	**M. Gobin, Director.**
Bordeaux, Observatory	29.55	750 5	29.81	757.1	55.0	12.8	61	ese.	.....	.....	1	.....	10	.....	.....	0	0	covered	**M. Rayet, Director.**
Bourges, Normal School	29.35	745.4	29 89	759 3	57.9	14.4	53	ne.	.....	.....	1	.....	2	.....	ne.	0	0	slightly cl'dy	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.74	755.5	29.98	761 6	52.2	11.2	58	ne.	.....	.....	1	.....	1	.....	ne.	0	0	.....	**M. de Kermaréc, Dir.**
Caen, Normal School	29.87	758.8	29.95	760.7	47.1	8.4	92	ne.	.....	.....	2	.....	5	.....	e.	0	0	cloudy	**M. Berson, Director.**
Châlons-sur-Marne, N.Sch'l	29.67	753.5	30.00	761.9	53.1	11.7	67	e.	.....	.....	2	.....	2	.....	se.	0	0	slightly cl'dy	**M. Jadot, Director.**
Charleville, Normal School	29.52	749.9	30.05	763.2	47.8	8.8	18	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.52	724 3	29.85	758.3	57.9	14.4	33	s.	.....	.....	2	.....	8 k	.....	s.	0	0	.....	**M. Alluard, Director.**
Cluny, Normal School	29.08	738.7	29.99	761.7	59.7	15.4	48	ne.	.....	.....	1	.....	.....	.....	.....	0	0	.....	**M. de Villemontée, Dir.**
Commercy, Normal School	29.13	739.9	30.06	763.4	47.8	8.8	48	ne.	.....	.....	4	.....	0	.....	.....	0	0	clear	**Dr. Coulet, Director.**
Gap, Normal School	27.19	690 5?	29.67?	753 7?	56.8	13 8	39	se.	.....	.....	1	.....	7 kn	.....	.....	0	0	.....	**M. Jarach, Director.**
Grésque, du Rhone	28.95	735.3	30.07	763.8	58.5	14.7	85	se.	.....	.....	4	.....	7	.....	se.	0.008	0.2	.....	**M. Kina, Director.**
Grenoble. Normal School	29.15	740 4	29.91	759 6	60.1	15.6	42	.....	.....	.....	.....	.....	k	.....	.....	0	0	.....	**M. Ablard, Director.**
Gué et, Normal School	28.31	719.0	29.89	759.3	50.0	10.0	48	se.	.....	.....	1	.....	5 kn	.....	se.	0	0	cloudy	**M. Delorme, Dir.**
Lamballe Normal School	29.67	753 5	29.94	760.5	48.0	8.9	55	ene.	.....	.....	1	.....	kn	.....	ene.	0	0	.....	**M. Polipre, Dir.**
Lescar, Normal School	29.21	741.8	29.75	755 7	61.7	16.5	50	ne.	.....	.....	1	.....	kn	.....	.....	0	0	.....	**M. Chauvin, Director.**
Lorient, Naval Observatory	29.85	758.1	29.95	760 7	54.3	12.4	78	ne.	.....	.....	4	.....	0	.....	.....	0	0	clear	**L'. T. Carre, Director.**
Lyon, St. Genis-Laval	28.87	733.4	29.93	760.1	56.5	13.6	52	s.	.....	.....	1	.....	8 cn	.....	.....	0	0	very cloudy	**M. André, Director.**
Mans, Normal School	29.64	752 9	29.95	760.8	48.7	9.3	61	se.	.....	.....	1	.....	2 k	.....	se.	0	0	slightly cl'dy	**M. Richard, Director**
Marseille, Observatory	29.65	753.1	29.92	759.9	59.9	15.5	65	ese.	.....	.....	4-6	.....	10	.....	se.	0	0	.....	**M. Stephan, Director.**
Montlouis	24.58	624 2	29.42	747 2	37.0	2.8	83	e.	7.4	3.3	.....	.....	10	e.	.....	0.138	3.5	.....	**M. Cave for Dr. Fines.**
Montpellier, Normal School	29.76	755.8	29.87	758 6	48.6	9.2	100	ne.	.....	.....	6	.....	10	ne.	.....	0	0	covered	**M. Galzin, Director.**
Nancy, Normal School	29.23	742.4	30.02	762 4	50.0	10.0	74	calm	.....	.....	0	c	.....	.....	.....	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	29.79	756.6	29.95	760.7	51.3	10.7	57	ene.	.....	.....	4	c	8 k	.....	ene.	0	0	.....	**M. Larocque, Director.**
Perpignan, Observatory	29.75	755 7	29.86	758.5	55.4	13.0	90	se.	13.0	5.8	.....	.....	10	.....	ese.	1.028	26.1	.....	**Dr. Fines, Director.**
Pic-du-Midi, Summit	20.91	531.0	.....	.....	25.9	— 3.4	.....	se.	.....	.....	1	.....	10	.....	se.	0.362	9.2	snowing	**M. Vaussenat, Director.**
Privas, Normal School	28.86	733.0	29.91	759.8	59.0	15.0	45	se.	.....	.....	1	.....	2	se.	se.	0	0	slightly cl'dy	**M. Tallieu.**
Puy de Dôme Obs'y, Summit	24.99	634 8	.....	.....	34.5	1.4	84	se.	.....	.....	3	.....	5 k	.....	.....	0	0	.....	**M Alluard.**
Rochefort, Naval Obs'y	29.83	757.7	29.86	758 5	59.7	15.4	50	ene.	.....	.....	1	.....	2	.....	ene.	0	0	¼ covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.69	754 2	29.91	759.7	54.7	12.6	71	sw.	.....	.....	1	.....	.....	.....	.....	0	0	.....	**M. Brotlier, Director.**
Rodez, Normal School	27.76	705.0	29.91	759.7	50.2	10.1	81	nw.	.....	.....	1	.....	10kn	.....	se.	0	0	covered	**M. Seger, Director.**
Rouen, Normal School	30.02	762.6	30.07	763.8	46.0	7.8	64	se.	.....	.....	4	.....	10	.....	se.	0	0	covered	**M. Mouillot, Dir.**
Saint Maur, Observatory	29.83	757.7	30.00	761.9	48.0	8.9	53	ne.	.....	.....	1	.....	1	.....	ese.	0	0	.....	**M. Renou, Director.**
Toulouse, Observatory	29.09	738 9	29.81	757.2	59.2	15.1	60	sse.	.....	.....	6	.....	10	ese.	.....	0	0	covered	**M. Baillaud, Director.**
Tours	29.73	755.2	29.91	759 8	53.6	12.0	59	ene.	.....	.....	1	.....	.....	s.	.....	0	0	.....	**M. de Tastes.**
Versailles, Observatory	29.50	749.2	29.99	761.7	46.4	8.0	55	e.	.....	.....	2	.....	0	.....	.....	0	0	clear	**Dr. A. Berigny, Director.**
Sub-series.																			
St. Martin du Hinx	29.64	752.9	29.79	756.7	55.4	13.0	65	n.	2.0	0.9	.....	c	9 k	se	.....	0.004	0.1	.....	**M. Carlier, Director.**
GERMAN.																			
Ansbach	28.60	726.5	30.10	764.4	41.0	5.0	70	calm	.....	.....	0	.....	10	.....	.....	0.016	0.4	.....	**Prof. Juedt.**
Bamberg	29.19	741.4	30.03	762.8	40.5	4.7	60	calm	.....	.....	0	.....	10	.....	.....	0.016	0.4	.....	**Prof. Dr. Hoh.**
Berlin	29.98	761.4	30.13	765 2	42.8	6.0	75	e.	.....	.....	1	.....	10	.....	.....	0.012	0.3	.....	**Meteorological Institute**
Breslau	29.58	751.4	30.11	764.9	46.4	8.0	75	se.	.....	.....	2	.....	10	.....	.....	0.004	0.1	raining	**Royal University Obs'y**
Carlsruhe	29.58	751.3	30.04	763.1	46.8	8.2	67	ne.	.....	.....	3	.....	9	se.	.....	0	0	.....	**Albert Senz.**
Cassel	29.39	746.4	30.10	764.5	42.1	5.6	72	e.	.....	.....	1	.....	7	ne.	.....	0	0	.....	**Dr. H. Möhl.**
Frankfort-on-the-Main	29.70	754 4	30.07	763.7	46.4	8.0	60	ese.	.....	.....	1	.....	10	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.59	726.1	30.05	763 2	42.1	5.6	82	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	**Wilhelm, Chief Tel.**
Hamburg	30.08	764.0	30.17	766.3	42.1	5.6	80	e.	.....	.....	3	.....	10	.....	.....	0.064	0.1	light fog	**E. Preller.**
Kiel	30.16	766 1	30.18	766.5	41.0	5.0	83	ne.	.....	.....	2	.....	10	.....	.....	0.035	0.9	.....	**Prof. Dr.G. Karsten.**
Leipsic, Astrom'l Obs'y	29.70	754.3	30.13	765 3	41.5	5.3	74	ene.	.....	.....	2	.....	10	ne.	.....	0	0	.....	**H. Leppig, Asst.**
Magdeburg	29.94	760.4	30.13	765.4	42.8	6.0	81	ene.	.....	.....	1	.....	10	.....	.....	0	0	.....	**Weather Observatory.**
Memel	30.19	766.8	30.24	768.0	38.5	3.6	62	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	clear	**Issermann.**
Munich	28.19	716.0	30.05	763 3	40.8	4.9	78	calm	.....	.....	0	.....	5	.....	.....	0	0	.....	**Central Station.**
Neufahrwasser	30.20	767.0	30.21	767.4	38.3	3.5	82	n.	.....	.....	2	.....	10	.....	.....	0	0	.....	**A. Lothes.**
Neustadt, Palatinate	29.49	749.0	30.02	762.4	45.1	7.3	70	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	**Prof. Dicknether.**
Stuttgart	29.07	738.3	29.97	761.3	47.3	8.5	66	ne.	.....	.....	1	.....	7	W.	.....	0	0	.....	**Prof. Dr. Schoder.**
Wustrow	30.14	765 6	30.17	766.2	41.2	5.1	88	e.	.....	.....	1	.....	10 s	.....	.....	0	0	.....	**Profs. Brandes & Reimer**
GREEK.																			
Athens	29.47	748.4	29.85	758.1	65.8	18.8	.....	n.	.....	.....	1.5	8	0	.....	.....	0	0	.....	**Kokkides & Wourlisch.**
INDIAN.																			
Kurrachee	29.80	756.9	29.85	758.3	79.7	26.5	75	sw.	32.0	14.3	.....	.....	1	.....	.....	0	0	d. clouds	
Deesa	29.36	745.8	29.83	757.6	91.4	33.0	14	wsw.	20.0	8.9	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.81	757.3	29.85	758 2	80.9	27.2	70	nnw.	22.0	9.8	.....	.....	7	.....	nnw.	0	0	d. clouds	
Poona, Yarrowda	27.98	710.8	29.80	756.9	90.3	32.4	19	nw.	11.0	4.9	.....	.....	9	.....	.....	0	0	d. clouds	
Belgaum	27.30	693.5	29.81	757.1	82.3	27.6	39	wsw.	9.0	4.0	.....	.....	7	e.	n.	0.06	1.5	d. clouds	
Lahore	28.96	735.5	29.68	754.0	88.6	31.4	22	calm	0	0	.....	.....	2	.....	.....	0	0	blue sky	
Roorkee	28.85	732.7	29.72	754.9	93.6	34.2	20	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Agra	29.21	741.8	29.75	755.7	96.1	35.6	17	W.	.....	.....	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.76	730.4	29.77	756.2	92.9	33.8	22	sw.	6.0	2.7	.....	.....	4	.....	W.	0.09	2.3	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
INDIAN.—Continued.																			
Tuhbulpore	28.46	722.9	29.78	756.5	91.9	33.3	27	calm	0	0			8		n.	0.01	0.3	d. clouds	
Lucknow	29.41	746.9	29.77	756.2	95.0	35.0	20	wsw.	3.0	1.3			0			0	0	blue sky	
Allahabad	29.45	748.1	29.76	755.8	95.9	35.5	18	nnw.	2.0	0.9			0			0	0	blue sky	
Patna	29.56	750.8	29.74	755.4	92.4	33.6	19	wnw.	3.6	1.6			0			0	0	blue sky	
Hazaribagh	27.80	706.2	29.78	756.4	86.1	30.1	10	nnw.	12.0	5.4			0			0	0	blue sky	
Cuttack	29.72	754.9	29.80	757.0	85.5	29.7	64	e.					0			0	0	blue sky	
Calcutta, Alipore	29.77	756.0	29.79	756.6	88.1	31.2	46	sse.	7.0	3.1			0			0	0	blue sky	
Dhubri	29.65	753.2	29.77	756.1	83.1	28.4	66	calm	0	0			0			0	0	misty	
Chittagong	29.85	758.2	29.94	760.5	86.2	26.8	79	w.	3.2	1.4			0			0	0	d. clouds	
Sibsagar	29.50	749.2	29.83	757.8	78.1	25.6	77	ne.	2.0	0.9			8	w	w.	0	0	d. clouds	
Jeypore	28.35	720.0	29.75	755.7	92.2	33.4	19	wsw.	15.1	6.7			7	wsw.		0	0	d. clouds	
Zanzibar	29.82	757.3	29.84	757.9	87.0	30.6	64	ese.	3.0	1.3			6	ese.		0.01	0.3	gloomy	
Bellary	28.31	719.1	.....	.....	93.0	33.9	31	s.	8	3.6		4 ck	5			0	0	blue sky	
Trichinopoly	29.58	751 3	.....	.....	94.2	34.6	43	ne.	0.2	0.1		0	0			0	0		
ITALIAN.																			
Udine	29.65	753 2	30.03	762.7	57.9	14.4	37	sw	1.8	0.8			2			0	0		Prof. Giovanni Olodig.
Milan	29.50	749.2	30.01	762 3	58.3	14.6	52	se.	4.3	1.9			5	nw.		0	0		Prof. G.V.Schiapparelli
Padua	29.93	766.1	30.04	762.9	55.9	13.3	49	s.	2.5	1.1			1	wsw.		0	0		Prof. Dott. Lorenzoni.
Moncalieri	29.11	739.5	30.02	762.5	54.7	12.6	52	nw.	2.5	1.1			8	n.		0	0		Prof. F. F. Denza.
Genoa	29 81	757.1	30.00	762.0	59.2	15.1	48	s.	5.6	2.5			0			0	0		Prof. G. M. Garibaldi.
Pesaro	29.98	761.6	30.03	762.8	52.0	11.1	85	ne.	9.8	4.4			0			0	0		Prof. Luigi Guidi.
Florence	29.70	754.3	29.95	760.8	60.4	15.8	28	n.			2		0			0	0		Prof. Costantino Pittei.
Leghorn	29.85	758.1	29.93	760.2	60.4	15.8	50	wsw.	2.5	1.1			5			0	0		Prof. P. Monte.
Rome	29.80	757 0	29.98	761.5	61.9	16.6	47	calm	0	0			5			0	0		Prof. P. Tacchini.
Lecce	29.7c	754.4	29.96	760.9	50.8	13.8	56	wnw.	24.8	11.1			7	n.		0	0		Prof. C. de Giorgi.
Cosenza	29.08	738.6	29.97	761.3	57.6	14.2	76	w.	3.1	1.4			4	nw.		0	0		Prof. D. Conti.
Palermo	29.74	755 5	30.00	761.9	59.5	15.3	64	ne.	0.9	3.1			0			0	0		Prof. G. Caccintore
Syracuse	29.91	759.8	29.96	760.9	63.0	17.2	69	ssw.	7.4	3.3			3	ssw.		0.280	7.1		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.46	748.2	.....	.....	59.7	15.4	57	sw	1.3	0.6			4	sw.		0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	29.88	759.0	29.91	759.7	33.0	0.6	81	nw.			6		9k;ks		nw.	0.098	2.5	cloudy	H. Hattori.
Awomori	29.81	757.2	29.85	758.2	30.1	— 1.1	95	w.	16.7	7.5			9ck;s		w.	0.010	0.2	snowing	K. Ogawa.
Hakodate	29.80	757.0	29.81	757.3	30.0	— 1.1	93	w.	27.0	12.1		0	7 s					clear	Y. Souma.
Hamamatsu	29.81	757.2	29.91	759.7	40.9	4.9	49	wnw.			6	0	0			0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.08	764.0	30.09	764.4	39.8	4.3	69	n.	3.1	1.4		0	0			0	0	fair	Y. Okamoto.
Kagoshima	30.09	764 4	30.11	764.7	44.4	6.9	75	n.			2	0	3 s			0	0	snowing	
Kanazawa	29.94	760.5	30.04	763.1	35.9	2.2	90	se.	4.3	1.9			10n;ks			0.055	1.4	clear	S. Endo.
Kioto	29.87	758.7	30.04	763.1	36.0	2.2	79	calm	0	0		0	2 s			0	0	clear	M. Tojima.
Kochi	30.00	762.1	30.03	762.6	46.9	8.3	63	nnw.	9.1	4.0		0	0			0	0	cloudy	K. Kusunose.
Miasaka	30.03	762.8	30.00	763.5	46.5	8.1	69	wsw.			2	0	6ks;s		w.	0	0	clear	K. Masusaki&T.Ishitain.
Miyako	29.78	756.3	29.89	759.1	30.1	— 1.1	68	calm	0	0		0	0			0	0	clear	N.Honno & K.Suwa.
Nagasaki, I. M. Obs'y	29.93	760.2	30.14	765.5	41.7	5.4	73	n.	0.6	0.3		0	0			0	0	clear	
Nemuro	29.63	752.6	29.68	753.9	27.8	— 2.3	80	e.	1.2	0.5		0	8s;ks		w.	0.031	7.7	cloudy	A Shibuya.
Niigata	29.93	760.2	29.96	761.0	37.6	3.1	74	w	18.3	8.1		0	2 s			0.005	0.1	fair	Satoo & Tomikawa.
Nobiru	29.89	759.3	29.91	759.7	31.8	— 0.1	75	nnw.	10.8	4.8	6	0	4 s			0	0	fair	Yoshino & Midzushina.
Numadzu	29.87	758.7	29.91	759.7	41.0	5.0	76	ese.				0	0			0.035	0.9	clear	T. Ohgi.
Osaka	30.03	762.7	30.04	763.1	38.5	3.6	72	ne.	9.1	4.0		0	0			0	0	cloudy	d. Omura.
Sakai	30.07	763.8	30.08	764.0	39.9	4.4	63	wsw.			2		10 ks		wnw.	0	0	clear	Yamawchi & Sakamoto.
Sapporo	29.68	753.8	29.75	755.5	28.1	— 2.2	76	sw.	0.8	0.4		0	3 s			0.165	4.2	clear	S. Kimura.
Shimonoseki	29.97	761.2	30.11	764.9	39.5	4.2	63	nne.			1	0	1 s			0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.89	759.2	29.97	761.3	35.4	1.9	95	e.	3.0	1.3			10 n			0.155	3.9	light rain	The Staff.
Wakayama	29.98	761.5	30.04	762.9	42.6	5.9	61	ne.	1.1	0.5		0	0			0.004	0.1	clear	K.Sakai.
MAURITIUS.																			
Mauritius R.A.Observatory	29.74	755.4	29.92	760.0	79.7	26.5	71	ene.	9.0	4.0		6ck;cs	4k-;k	wnw.	e.	0.02	0.5	cloudy	The Staff.
MEXICAN.																			
Leon	24.29	617.0	29.97	761.2	56.5	13.6	65	nnw.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.61	752.1	29.87	758.8	63.0	17.2	78	nne	0.9	0.4		3 cs	0	w.		0	0	hazy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.11	764.9	30.11	764.9	44.8	7.1		e			4					0	0		
Groningen	30.10	764.4	30.15	765.8	40.3	4.6		e.			1					0	0		
Helder	30.14	765.6	30.14	765.6	40.8	4.9		ene.			1					0	0		
Hellevoetsluis	30.11	764.8	30.11	764.8	43.0	6.1	68	e.			1					0	0		
Utrecht	30.09	764.3	30.14	765.5	42.8	6.0	68	e.			2		7			0	0	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.83	757 7	.....	.....	77.2	25.1	86	nw.	0	0			7			0	0		Lt.J.J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	30.19	766.9	30.26	768.5	43.5	6.4	40	calm	0	0			0			0	0		
Brono	30.21	767.4	30.25	768 4	41.4	5.2	60	nw.			4		7			0.512	13.0		
Christiania	30.14	765.5	30.29	769.3	44.1	6.7	56	sw.	4	2			1			0	0		
Gjæsvær	30.22	767.5	30.24	768.1	31.3	— 0.4		sw.			2		10			0	0		
Lodingen	30.12	765.0	30.17	766.2	30.0	2.2	85	calm			0		10			0.295	7.5	snowing	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A.M.R.dos Santos
Funchal, Madeira	29.95	760.8	30.04	763.1	58.1	14.5	66	nne.	4.3	1.9			10			0.154	3.9	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.41	746.9	29.74	755.5	53.2	11.8	69	nnw.	3.8	1.7			6	nne.		0.004	0.1	.....	The Staff.
Ponta Delgada, Azores	30.22	767.6	30.29	769.4	61.9	16.6	66	nnw.	11.9	5.3			3			0	0		
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	29.96	760.9	29.99	761.8	68.7	20.4	62	ne.			4		2			0	0	.....	
San Salvador, Congo	27.99	711.0	29.81	757 1	80.4	26.9	72	s.			1		9			0	0	.....	
Serra da Estrella	24.93	633.2	29.74	755.5	34.5	1.4	96	ese.	12.5	5.6			10			0.047	1.2	light snow	
RUSSIAN.																			
Akmolinski	29.31	744.4	30.47	774.0	21.7	— 5.7	96	w.	11	5		1 cs	0			0.008	0.2	.....	Major K. Lasarew.
Archangel	30.15	765.7	30.17	766.2	26.6	— 3.0	72	wnw.	9	4		1 cs	0			0	0	.....	Capt. Stellwerstow
Ashuradа	30.34	770.6	30.24	768.2	55.9	13.3	70	nnw.	4	2		0	8 k			0	0	light clouds	
Astrakhan	30.37	771.3	30.29	769.4	46.2	7 9	41	se.	11	5		0	3 s					light clouds	Capt. Wisganow.
Baku	30.30	769.5	30.25	768.3	53.6	12.0	74	se.	4	2		0	0			0	0	.....	
Barnaul	29.89	759.3	30.43	772.9	25.2	— 3.8	66	ssw.	4	2			0			0	0	.....	Meteorological Office.
Bieloserak	29.70	754 3	30.18	766.6	35.6	2.0	62	calm	0	0		cs	8 k			0.039	1.0	.....	
Dorpat	30.00	761.9	30.25	768.3	40.6	4.8	70	n.	9	4		0	0			0	0	.....	Rosenthal.
Ekaterinburg	29.21	742.0	30 21	767.3	30.7	2.6	38	wsw.	22	10			10			0	0	solar halo	meteorological Obs'y
Elisawetgrad	29.63	752.7	30.10	764.4	43.0	6.1	87	calm	0	0			10 s			0	0	.....	
Kasan	29.93	761.5	30.27	768.8	25.2	— 3.8	82	sse.	11	5			10			0	0	.....	Observatory.
Kem	30.21	767.4	30.26	768.7	31.1	— 0.5	68	calm	0	0			10 k			0	0	h'vy clouds	
Kertch	29.95	760.7	29.97	761.3	57.0	13.9	67	e.	4	2			9 k			0	0	.....	
Kieff	29.36	745.8	30.01	762.3	42.8	6.0	79	wnw.	9	4			10 n			0	0	.....	Lagorio & Sastyrez.
Koslov	29.63	752.6	30.16	766.1	31.8	— 0.1	83	sse.	4	2			10 s			0	0	.....	Observatory.
Lgov	29.50	749.3	30.11	764.8	34.7	1.5	94	sse.	11	5			10			0.213	5.4	rain & fog	
Libau	30.21	767.3	30.23	767.9	43.7	6.5	53	e.	9	4			0			0	0	.....	R. I. Saaweljew, Engineer.
Lugan	29.89	759.1	30.10	764.4	37.6	3.1	88	ene.	18	8			10			0	0	.....	L. Quass.
Moscow	29.65	753.1	30.15	765.9	31.6	— 0.2	89	s.	2	1			10 s			0.059	1.5	.....	Meteorological Obs'y
Nertschinsk	27.82	706.5	30.31	799.8	9.3	—12.6	46	calm	0	0			0	.....	.....	0	0	.....	
Nikolaiev	29.98	761.5	30.05	763.3	46.9	8.3	92	n.	4	2			10 n			0	0	.....	Capt. Kurdakow.

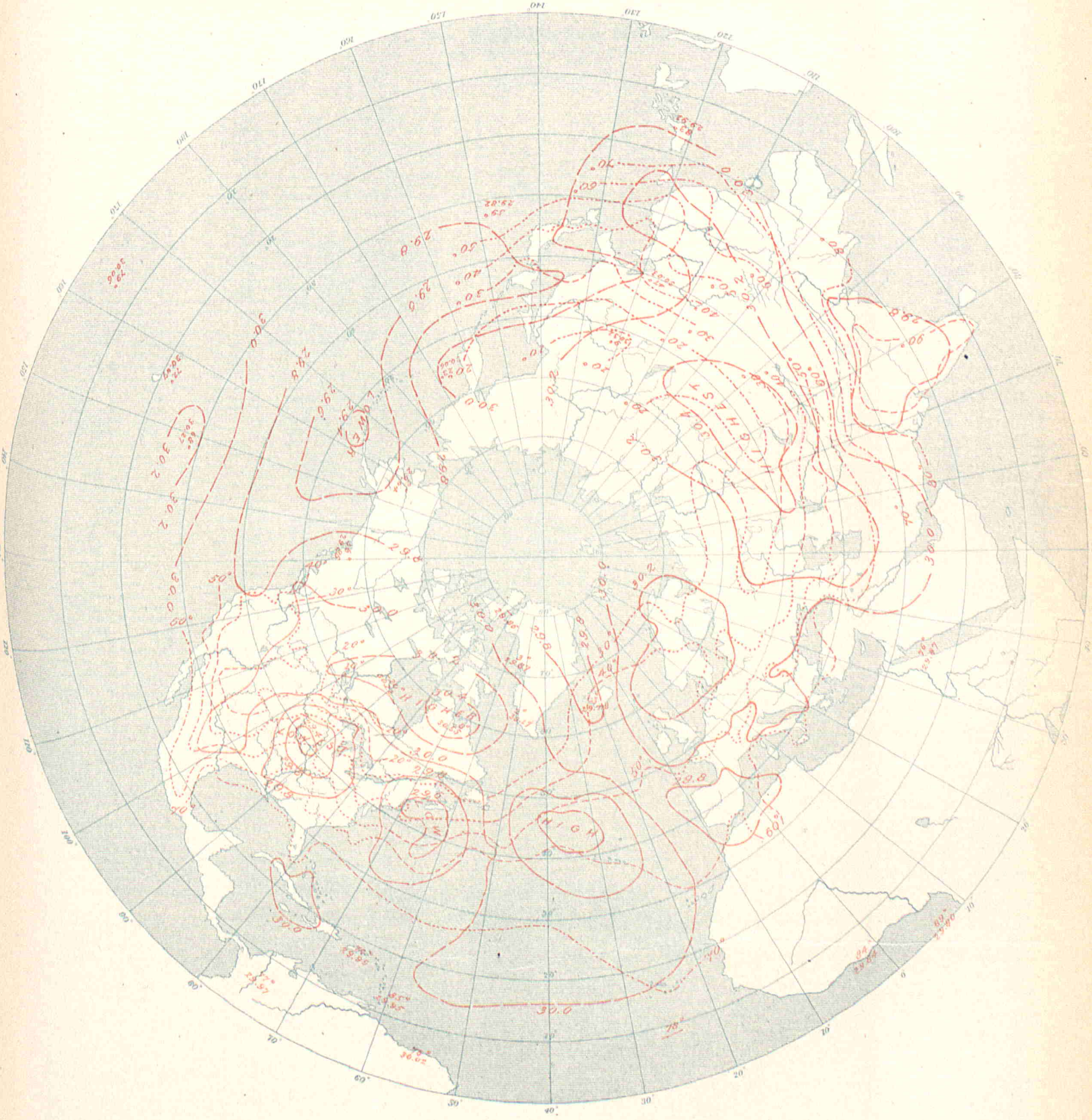
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.00	762.0	30.09	764.2	11.1	—11.6	80	e.	18	8	.....	.....	10 n	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.89	759 2	30.03	762.8	46.8	8.2	35	sw.	5.6	2.5	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.95	760.7	30.31	769.9	51.8	11.0	21	nne.	7	3	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.02	762.6	30.23	767 8	33.1	0.6	70	ne.	7	3	.....	.....	10	.....	.....	0.028	0.7	light clouds	Dr. Bergmann.
Pinsk	29.59	751.6	30.10	764.6	39.0	3.9	93	nnw.	7	3	.....	.....	10 s	.....	.....	0.272	6.9	.....	.....
Poti	29.95	760.6	29.98	761.4	63.5	17.5	99	e.	4	2	.....	.....	0	.....	.....	0	0	.....	.....
St. Petersburg	30.22	767.6	30.24	768.2	34.9	1.6	82	wnw.	4	2	.....	.....	10 kn	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.62	701.5	30.11	764.8	50.9	10.5	57	se.	18	8	.....	3 cs	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.85	758.3	30.58	776.8	12.0	—11.1	89	w.	13	6	.....	.....	5	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.74	755.4	29.95	760.8	57.7	14.3	61	w.	16	7	.....	.....	9 s	.....	.....	0	0	.....	.....
Staroi Bykhov	29.48	748.8	30.06	763.4	36.0	2.2	98	ne.	7	3	.....	.....	10	.....	.....	0.244	6.2	light fog	Carl Hagen.
Tashkend, Laboratory	28.52	724.4	30.19	766.9	55.9	13.3	44	calm	0	0	.....	.....	9 k	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.79	731 3	30.23	767 8	51.8	11.0	69	ese.	11	5	.....	.....	10	.....	.....	0.008	0.2	.....	Physical Observatory
Vernoe	27.78	705.7	30.42	772.7	31.1	— 0.5	74	w.	2	1	.....	.....	10 n	.....	.....	.....	.....	.....	Lariono.
Viatka	29.51	749 6	30.17	766 3	30.9	— 0.6	80	w.	2	1	.....	.....	10	.....	.....	0.016	0.4	.....	.....
Vladivostock	29.75	755.6	29.82	757.3	31.1	— 0.5	48	n.	22	10	.....	.....	7 n	.....	.....	0	0	.....	.....
Warsaw	29.71	754.5	30.14	765.5	43.9	6.6	83	ne.	2	1	.....	.....	10 ks	.....	.....	.....	.....	.....	.....
Yeniseisk	30.03	762 8	30.34	770.5	28.0	— 2.2	58	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Astronomical Obs'y.
Sub-series.																			M. O. Marks.
Petrowsky Academy	29.52	749.8	30.09	764.3	32.5	0.3	87	ese.	7.4	3.3	.....	.....	10	.....	e.	0.08	2.0	cloudy	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.70	754.3	29.81	757.2	51.3	10.7	96	ne.	.....	.....	.....	.....	10	.....	.....	0.346	8.8	rainy	B. Jelin.
Bilbao, Met. Obs'y	29.74	755.3	29.80	756.8	57.7	14.3	70	se.	0.7	0.3	.....	.....	10	.....	.....	0	0	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.80	680 6	29.79	756.6	46.4	8.0	77	e.	7.4	3.3	.....	.....	9	.....	.....	0	0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.47	697.6	29.70	754.3	50.5	10.3	83	e.	4.3	1.9	.....	.....	10	.....	.....	0.043	1.1	covered	The Staff.
Murcia, Met. Obs'y	29.51	749.6	29.64	752.8	52.2	11.2	96	ne.	0.7	0.3	.....	5	5	.....	.....	0.264	6.7	covered	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.79	731.2	29.67	753.6	58.1	14.5	58	ne.	9.8	4.4	.....	.....	7	.....	.....	0	0	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.94	760.5	30.01	762.2	73.0	22.8	85	se.	2.7	1.2	.....	0	0	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.86	758 4	29.91	759.8	82.9	28.3	50	e.	6.6	3.0	.....	2	8	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.63	752.6	29.73	755.1	58.3	14.6	68	nw.	5.2	2.3	.....	2	5	nw.	nw.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.90	759.5	29.99	761.8	73.8	23.2	75	calm	0	0	.....	4 k	2 s	nw.	nw.	0	0	.....	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.31	769.8	30.35	770.8	30.4	— 0.9	76	n.	.....	.....	2	.....	8	.....	.....	0	0	.....	.....
Umea	30.21	767.4	30.26	768.7	37.0	2.8	82	e.	.....	.....	2	.....	8	.....	.....	0	0	.....	.....
Hernosand	30.21	767.3	30.26	768.6	43.2	6.2	56	s.	.....	.....	4	.....	5	.....	.....	0	0	.....	.....
Stockholm	30.10	764.5	30.28	769.0	44.2	6.8	54	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....
Wisby	30.15	765.8	30.21	767.3	36.0	2.2	93	ne.	.....	.....	4	.....	10	.....	.....	0	0	foggy	.....
Sub-series																			
Upsala	30.19	766.9	30.28	769.1	44.6	7.0	60	se.	3.6	1.6	.....	.....	3	.....	sse.	0.004	0.1	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.53	724.6	29.97	761.2	48.7	9.3	57	n.	.....	.....	1	.....	2	.....	.....	0	0	clear	.....
TURKISH.																			
Constantinople	.....	.....	29.85	758.3	56.3	13.5	63	n	27	12.0	.....	.....	10	.....	sw.	0.047	1.2	.....	The Observatory.
Valona	.....	.....	30.01	762.2	60.3	15.7	.....	nw.	.....	.....	1	.....	2	.....	.....	0	0	¼ covered	A. Bertrand;
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.90	759.4	68.7	20.4	63	ne.	.....	.....	1	8 c;cs	0	sw.	.....	0	0	.....	F. Nimr, B. A., Dir
UNITED STATES.																			
Albany, New York	29.67	753.6	29.76	755.9	44	6.7	76	w.	8	3.6	.....	0	0	.....	.....	0.21	5.3	clear	J. O. Barnes.
Alpena, Michigan	29.15	740.4	29.85	758.2	31.8	— 0.1	88	se.	6	2.7	.....	0	4 s	.....	.....	0.01	0.3	fair	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.90	632 4	29.92	760.0	26.1	— 3.3	83	se.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.16	689 9	30.18	766.6	30.0	— 1.1	95	calm	0	0	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	J.J.O'Connor.
Atlanta, Georgia	28.68	728.5	29.89	759 2	59.0	15.0	75	w.	8	3.6	.....	hz.	4 ks	.....	w.	0.02	0.5	fair	S. W. Beall
Atlantic City, New Jersey	29.81	757.2	29.82	757.4	45.1	7.3	70	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	B.A.Blundon.
Augusta, Georgia	29.74	755 4	29.94	760.5	61	16.1	78	e.	1	0.4	.....	8 ck	hz.	w.	.....	0	0	cloudy	W.J.Evans.
Baltimore, Maryland	29.88	758 9	29.93	760.2	46.3	7.9	74	w.	4	1.8	.....	6ck;cs	0	nw.	.....	0	0	fair	Geo. W. Felgor.
Barnegat City, New Jersey	29.79	756.7	29.81	757.2	45.2	7.3	72	nw.	21	9.4	.....	0	0	.....	.....	0	0	clear	J.P.Sherry.
Bennett, Fort, Dakota	28.26	717.8	29.96	761.0	32.0	0.0	95	nw.	18	8.0	.....	.....	10 s	.....	nw.	0.60	15.2	threatening	A. Pritchard.
Benton, Fort, Montana	27.22	691.4	30.20	767.1	29.9	— 1.2	100	calm	0	0	.....	0	4 s	.....	w.	blank	blank	fair	C.S.Bennett.
Bismarck, Dakota	28.00	711.2	30.00	762.0	25.2	— 3.8	88	n.	16	7.2	.....	.....	10 s	.....	n.	0.01	0.3	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.65	753.1	29.68	753.9	41.4	5.2	80	w.	16	7.2	.....	0	0	.....	.....	0	0	clear	J. T. Elker.
Boise City, Idaho	27.00	685.8	29.92	760 0	40.4	4.7	71	se.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	James Kenealy.
Boston, Massachusetts	29.47	748 5	29.63	752.6	41.2	5.1	80	w.	11	4.9	.....	0	9 k	.....	w.	0.05	1.3	cloudy	O. B. Cole.
Brownsville, Texas	29.81	757.2	29.87	758.7	68.0	20.0	100	n.	4	1.8	.....	.....	fg	.....	.....	0	0	dense fog	John McGlone.
Buffalo, New York	29.11	739.4	29.90	759.4	34.2	1.2	94	sw.	2	0.9	.....	0	0	.....	.....	0.04	1.0	clear	D.Cuthbertson.
Buford, Fort, Dakota	28.01	711.4	30.17	766.3	27.4	— 2.6	93	n.	12	5.4	.....	.....	10 s	.....	n.	0.01	0.3	cloudy	A. Schneider.
Cairo, Illinois	29.22	742.2	29.64	752.8	62.6	17.0	61	sw.	16	7.2	.....	0	hz.	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.67	753.6	29.87	758 7	39.7	4.3	82	se.	4	1.8	.....	0	5 s	.....	.....	0.04	1.0	fair	J.H.Young.
Cape Henry, Virginia	29.91	759 7	29.93	760.2	49.0	9.4	77	nw.	8	3.6	.....	5 k	0	.....	.....	0	0	fair	A. K. Alderson.
Cape May, New Jersey	29.83	757.7	29.86	758.4	43.7	6.5	83	w.	14	6.3	.....	0	0	.....	.....	0	0	clear	W.E.Smith.
Cape Mendocino, California	29.13	739.9	29.82	757.4	39.4	4.1	94	se.	25	11.2	.....	.....	10 n	.....	.....	0.13	3.3	light rain	A. P. Leavitt.
Cedar Keys, Florida	29.95	760.7	29.97	761.2	70.0	21.1	89	s.	8	3.6	.....	.....	10 s	.....	s.	inap.	inap.	cloudy	G. W. Davis.
Charleston, S. Carolina	29.89	759.2	29.95	760 7	62.5	16.9	90	sw.	6	2.7	.....	3 ck	6 s	sw.	sw.	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.02	737.1	29.90	759 4	57.5	14.2	64	s.	4	1.8	.....	10 cs	fg.	sw.	.....	0	0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	28.97	735.8	29.82	757.4	61.0	16.1	72	s.	6	2.7	.....	.....	10s;fg	.....	s.	0.04	1.0	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.82	605 0	30.02	762.5	24.1	— 4.4	56	nw.	28	12.5	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chincoteague, Virginia	29.80	731.5	29.54	750.3	44.4	6.9	84	e.	15	6.7	.....	.....	10 s	.....	e.	0.05	1.3	cloudy	Wm. Norrington.
Cincinnati, Ohio	29.88	758.9	29.90	759.4	45.0	7.2	83	nw.	8	3.6	.....	0	hz.	.....	.....	0	0	clear	C. F. Dickens.
Cleveland, Ohio	29.01	736.8	29.70	754.4	55.7	13.2	62	se.	6	2.7	.....	0	9 s	.....	sw.	inap.	inap.	cloudy	L. Dunne.
Columbus, Ohio	29.00	736.6	29.78	756.4	41.2	5.1	82	se.	10	4.5	.....	2 c	4 s	sw.	se.	0	0	fair	W. Line.
Concho, Fort, Texas	28.85	732.8	29.74	755.4	47.5	8.6	62	e.	10	4.5	.....	.....	10 s	.....	s.	0	0	cloudy	F.T. Williams
Custer, Fort, Montana	28.12	714 2	30.09	764.3	43.3	6.3	76	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	C. E. King.
Davenport, Iowa	26.83	681.5	30.16	766.1	30.2	— 1.0	88	nw.	2	0.9	.....	.....	10 s	.....	.....	0.23	5.8	cloudy	W.J.Daily.
Davis, Fort, Texas	28.71	729.2	29.40	746.7	49.5	9.7	70	se.	14	6.3	.....	.....	10 s	.....	se.	0.02	0.5	cloudy	R. R. Martin.
Dayton, Washington Ter	25.13	638 3	30.00	762.0	39.7	4.3	66	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Williams.
Deadwood, Dakota	28.13	714.5	29.95	760.7	35.2	1.8	71	e.	4	1.8	.....	0	3 s	.....	.....	0	0	clear	T.Gibson.
Delaware Breakwater, Del	25.29	642.4	30.13	765.3	26.0	— 3.3	88	se.	4	1.8	.....	.....	10 n	.....	.....	1.04	26.4	light snow	G.W.Scott.
Denver, Colorado	24.59	624.6	30.03	762.7	36.7	2.6	51	s.	5	2.2	.....	0	0	.....	.....	0	0	clear	G.A.Martin.
Des Moines, Iowa	28.36	720.3	29.32	744.7	46.9	8.3	75	se.	2	0.9	.....	.....	10 s	.....	se.	0.15	3.8	cloudy	F. M. Neal.
Detroit, Michigan	29.03	737.3	29.78	756.4	42.1	5.6	74	e.	12	5.4	.....	10 cs	0	e.	.....	0	0	cloudy	F. W. Conrad.
Dodge City, Kansas	27.17	690.1	29.90	759.4	42.8	6.0	37	w.	21	9.4	.....	0	0	.....	.....	inap.	inap.	clear	N.B.Conger.
Dubuque, Iowa	28.71	729.2	29.46	748.3	48.2	9.0	71	e.	5	2.2	.....	.....	10 s	.....	e.	0.12	3.0	cloudy	J.E.Lanouette.
Duluth, Minnesota	28.99	736.3	29.78	756.4	36.2	2.3	93	ne.	5	2.2	.....	.....	10 c	.....	.....	0.03	0.8	light rain	J. Harvey Smith
Eastport, Maine	29.43	747.5	29.50	749.3	35.2	1.8	100	n.	11	4.9	.....	.....	10n;fg	.....	n.	0.87	22.1	light rain	E.R.Brace.
Elliott, Fort, Texas	27.09	688.1	29.92	760.0	37	2.8	35	nw.	11	4.9	.....	0	0	.....	.....	0	0	clear	D. C. Murphy.
El Paso, Texas	26.23	666.2	30.03	762.7	32.0	0.0	66	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
Erie, Pennsylvania	29.10	739.1	29.87	758.7	39.1	3.9	81	sw.	3	1.3	.....	0	4 s	.....	sw.	0.05	1.3	fair	F.Belford.
Escanaba, Michigan	29.06	738.1	29.77	756.1	36.5	2.5	75	ne.	5	2.2	.....	10 cs	0	se.	.....	0	0	cloudy	P.Wood.
Fort Smith, Arkansas	29.25	742.9	29.74	755 4	55.5	13.1	40	w.	10	4.5	.....	0	0	.....	.....	0	0	clear	L.M.Pindell.
Galveston, Texas	29.90	759.4	29.94	760.5	65.6	18.7	99	w.	6	2.7	.....	.....	fg.	.....	.....	0	0	dense fog	J.B. Campbell.
Grand Haven, Michigan	28.95	735.3	29.65	753.1	46.4	8.0	65	e.	16	7.2	.....	.....	10 s	.....	se.	0	0	cloudy	E. O'C. Macinerney
Grant, Fort, Arizona	25.13	638.3	29.96	761.0	35.3	1.8	68	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear	Joseph E. Mueller.
Hatteras, North Carolina	29.93	760.2	29.94	760.5	54.5	12.5	64	ne.	8	3.6	.....	7 c	0	nw.	.....	0	0	fair	Chas. A. Read.
																			R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.75	654.0	30.07	763.8	29	— 1.7	74	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	S.W. Morrison.
Huron, Dakota	28.20	716.3	29.68	753.9	37.8	3.2	94	n.	15	6.7	.....	.....	10 n	.....	.....	0.78	19.8	light rain	S. W. Glenn.
Indianapolis, Indiana	28.76	730.5	29.60	751.8	50.0	10.0	77	se.	7	3.1	.....	0	2 s	.....	s.	0.09	2.3	clear	C. F. R. Wappenhans
Indianola, Texas	29.90	759 4	29.93	760.2	67.0	19.4	93	n.	21	9.4	.....	0	3 s	.....	.....	0	0	clear	I. A. Reed.
Jacksonville Florida	29.92	760.0	29.97	761.2	66.0	18.9	81	s.	8	3.6	.....	3 cs	0	.....	.....	0	0	clear	J. W. Smith.
Keokuk, Iowa	28.67	728.2	29.36	745.7	52.0	11.1	66	s.	6	2.7	.....	.....	10 s	.....	sw.	0.13	3.3	cloudy	F. Z. Gosewisch.
Key West, Florida	29.98	761.5	30.00	762.0	75	23.9	83	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	J.J. Lackey.
Kittyhawk, North Carolina	29.93	760.2	29.95	760.7	50.0	10.0	86	e.	6	2.7	.....	7 ck	0	e.	.....	0	0	fair	Wesley Blake.
Knoxville, Tennessee	28.75	730.2	29.81	757.2	56.3	13.5	70	sw.	6	2.7	.....	3 cs	6 s	w.	sw.	0.01	0.3	cloudy	J. A. Cody.
La Crosse, Wisconsin	28.65	727.7	29.47	748.5	48	8.9	63	ne.	9	4.0	.....	.....	10 n	.....	.....	0.04	1.0	light rain	S. C. Emery.
Leavenworth, Kansas	28.52	724.4	29.46	748.3	49	9.4	77	sw.	18	8.0	.....	0	3 s	.....	sw.	0.05	1.3	clear	C.Dill.
Lewiston, Idaho	29.11	739 4	29.97	761.2	37.0	2.8	72	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.39	746.5	29.72	754.9	60.0	15.6	42	sw.	10	4.5	.....	0	0	.....	.....	0	0	clear	W.U.Simons.
Los Angeles, California	29.52	749.8	29.92	760.0	45.0	7.2	89	ne.	12	5.4	.....	.....	10 s	.....	ne.	1.26	32.0	cloudy	T. S. Collins
Louisville, Kentucky	29.03	737.3	29.62	752 3	56.9	13.8	68	s.	6	2.7	.....	1 c	5s;sk	sw.	sw.	inap.	inap.	fair	E.B.Garriott.
Lynchburg, Virginia	29.22	742.2	29.94	760.5	46.0	7.8	83	calm	0	0	.....	4k;cs	fg.	w.	.....	0	0	fair	Jno. Healy.
Mackinaw City, Michigan	29.12	739.6	29.82	757.4	35.5	1.9	66	se.	10	4.5	.....	.....	10 s	.....	se.	0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.92	760.0	29.93	760.2	61.0	16.1	86	n.	4	1.8	.....	0	8 s	.....	w.	0	0	cloudy	William Daly.
Maginnis, Fort, Montana	25.34	643.6	29.94	760.5	29.9	— 1.2	59	ne.	2	0.9	.....	0	0	.....	.....	0.07	1.8	clear	F. Burke.
Marquette, Michigan	29.03	737.3	29.80	756.9	34.7	1.5	82	s.	1	0.4	.....	5 k	3 s	sw.	.....	0	0	cloudy	J. Gilligan.
Memphis, Tennessee	29.31	745.2	29.69	754.1	62.0	16.7	68	sw.	14	6.3	.....	0	0	.....	.....	0.12	3.0	clear	D. T. Flannery.
Milwaukee, Wisconsin	28.80	731.5	29.59	751.6	40.5	4.7	91	se.	15	6.7	.....	.....	10 n	.....	se.	0.03	0.8	light rain	S.W.Rhods.
Mobile, Alabama	29.84	757.9	29.88	758.9	58.1	20.1	97	sw.	1	0.4	.....	2 k	hz.	nw.	.....	0	0	clear	H. U. Jones.
Montgomery, Alabama	29.62	752.3	29.86	758.4	65.2	18.4	81	sw.	4	1.8	.....	0	9 k	.....	sw.	inap.	inap.	cloudy	S.M.Leitzell.
Moorhead, Minnesota	28.73	729.7	29.81	757.2	22	— 5.6	87	n.	24	10.7	.....	.....	10 s	.....	n.	inap.	inap.	cloudy	H. Bessant.
Mt. Washington, N. H.	23.30	591 8	29.82	757.4	20.0	— 6.7	93	nw.	40	17.9	.....	.....	10s;fg	.....	nw.	0.06	1.5	cloudy	J.H.Melton.
Nashville, Tennessee	29.10	739.1	29.70	754.4	62.4	16.9	70	s	8	3.6	.....	6 ck	hz.	s.	.....	inap.	inap.	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.63	752.6	29.75	755.6	42.1	5.6	74	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. H. Sherman.
New London, Connecticut	29.67	753.6	29.72	754.9	45.0	7.2	68	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	29.85	758.2	29.91	759 7	69.6	20.9	91	w.	1	0.4	.....	.....	10 ks	.....	w.	inap.	inap.	cloudy	M. Herman.
New York, New York	29.62	752.3	29.80	756.9	42.3	5.7	80	w.	5	2.2	.....	0	0	.....	.....	c	0	clear	W.Finn.
Norfolk, Virginia	29.89	759.2	29.92	760.0	51.2	10.7	69	calm	0	0	.....	10 ck	0	nw.	.....	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	26.74	679.2	29.80	756.9	34.6	1.4	96	nw.	24	10.7	.....	.....	10 n	.....	.....	0.37	9.4	light rain	E.F.Brady.
Olympia, Washington Ter	29.85	758.2	29.89	759.2	32.5	0.3	88	calm	0	0	.....	0	0	.....	.....	0.01	0.3	clear	J. Dascomb.
Omaha, Nebraska	28.18	715 8	29.43	747.5	43.0	6.1	83	nw.	8	3.6	.....	0	0	.....	.....	1.05	26.7	clear	A. Pollak
Oswego, New York	29.51	749 5	29.85	758.2	37.0	2.8	89	n	2	0.9	.....	0	1s;hz	.....	.....	0	0	clear	J. G. Linsley.
Palestine, Texas	29.37	746.0	29.94	760.5	53.2	11.8	53	sw	11	4.9	.....	3 cs	4 s	sw.	.....	0	0	fair	P. T. Jenkins.
Pensacola, Florida	29.86	758.4	29.89	759.2	70.0	21.1	96	sw.	8	3.6	.....	.....	10 s	.....	sw.	0	0	cloudy	M. McGauran.
Philadelphia, Pa	29.75	755.6	29.85	758.2	40.0	7.8	83	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.52	445.0	30.12	765.0	0.0	—17.8	79	nw.	22	9.8	.....	0	0	.....	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.01	736.8	29.86	758.4	41.0	5.0	84	ne.	4	1.8	.....	8 cs	0	w	.....	0	0	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	24.5	— 4.2	.....	.....	.....	.....	.....	0	0	.....	.....	0	0	clear	Geo.A.Carden.
Port Huron, Michigan	29.08	738.6	29.80	756.9	39.2	4.0	70	e.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	M. H. Perry
Portland, Maine	29.54	750 3	29.59	751.6	41.4	5.2	80	n.	4	1.8	.....	2 ck	7 s	nw.	n.	0.49	12.4	cloudy	W. W. Eichelberger.
Portland, Oregon	29.79	756.7	29.86	758.4	41 0	5.0	96	sw.	1	0.4	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	M. L. Hearne.
Prescott, Arizona	24.55	623.6	29.94	760.5	32.2	0.1	92	ne.	7	3.1	.....	0	6 s	.....	.....	0	0	fair	N. D. Lane.
Provincetown, Mass	29.59	751.6	29.62	752 3	39.0	3.9	89	nw.	11	4.9	.....	.....	10 n	.....	.....	0.02	0.5	light rain	C. N. Kitchel.
Red Bluff, California	29.57	751.1	29.94	760.5	39	3.9	100	n.	4	1.8	.....	.....	10 s	.....	n.	1.97	50.0	cloudy	J. R. Williams.
Rio Grande City, Texas	29.70	754.4	29.94	760.5	68.8	20.4	01	e.	1	0.4	.....	0	4 s	.....	ne.	0	0	fair	L. G. Schultz.
Rochester, N. Y	29.19	741.4	29.89	759.2	36	2.2	69	w.	7	3.1	.....	0	sk.	.....	.....	0.01	0.3	clear	E. W. McGann.
Roseburg, Oregon	29.28	743.7	29.84	757.9	33.1	0.6	92	e.	1	0.4	.....	.....	fg.	.....	.....	0.06	1.5	dense fog	J. J. Nanry.
Sacramento, California	29.85	758.2	29.92	760.0	42.0	5.6	92	s.	5	2.2	.....	.....	10 n	.....	se.	0.72	18.3	light rain	J. A. Barwick.
St. Louis, Missouri	28.82	732.0	29.47	748.5	56.9	13.8	55	s.	24	10.7	.....	hz.	sk.	.....	.....	0.07	1.8	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.60	751.8	29.64	752.8	2	—16.7	91	calm	0	0	.....	3 ck	0	sw.	.....	.....	.....	clear	Fred. H. Clarke.
St. Paul, Minnesota	28.65	727.7	29.56	750.8	48.0	8.9	57	ne.	13	5.8	.....	4 k	5 ks	se.	ne.	0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.11	739.4	30.05	763.3	11	—11.7	80	n.	12	5.4	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25 48	647.2	30.00	762.0	39	3.9	54	se.	6	2.7	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	J. Craig.
San Diego, California	29.85	758.2	29.92	760.0	52.4	11.3	86	s.	5	2.2	.....	.....	10 n	.....	s	0.49	12.4	light rain	F. R. Day.
Sandusky, Ohio	29.07	738 4	29.79	756.7	44	6.7	76	se.	12	5 4	.....	10 ck	0	se.	.....	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.78	756.4	29.80	756.9	43.5	6.4	79	w.	15	6.7	.....	0	0	.....	.....	0	0	clear	V.P.Chappel.
Sanford, Florida	29.92	760 0	29.97	761.2	59.5	15.3	81	calm	0	0	.....	0	3 s	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.81	757.2	29.88	758.9	46.8	8.2	92	se.	0	2.7	.....	.....	10s;fg	.....	sw.	1.14	29.0	threatening	N. Goromi.
Savannah, Georgia	29.84	757.9	29.93	760.2	62.5	16.9	75	s.	8	3.6	.....	3 ck	hz.	w.	.....	0	0	clear	H.W.Ford.
Shaw, Fort, Montana	20.34	669 0	30.14	765.5	19.5	— 6.9	87	w	1	0.4	.....	0	0	.....	.....	inap.	inap	clear	A.L.Mathews.
Shreveport, Louisiana	29.02	752.3	29.79	756.7	56.7	13.7	61	sw.	6	2.7	.....	3 cs	0	.....	.....	0	0	clear	E.N.Meekins.
Sitka, Alaska	29.79	756.7	29.86	758.4	36.1	2.3	72	e.	4	1.8	.....	.....	10 n	.....	e.	0.28	7.1	light rain	F. W. Fickett.
Smithville North Carolina	29.86	758.4	29.90	759.4	59.9	15.5	88	sw.	10	4.5	.....	.....	10 s	.....	sw.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.86	707.6	29.99	761.7	34.5	1.4	77	e.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	D.Moore.
Springfield, Illinois	28.73	729.7	29.45	748.0	50.0	10.0	77	s.	17	7.6	.....	0	4 s	.....	w.	0.10	2.5	fair	T. B. Jennings.
Stockton, Fort, Texas	26.96	684.8	30.04	763.0	38.8	3.8	71	sw.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	J.W.Byram.
Tatoosh Id., Wash. Ter	29.92	760.0	30.02	762.5	41.6	5.3	89	e.	2	0.9	.....	0	1 s	.....	.....	0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.25	692.1	30.03	762.7	32	0.0	62	sw.	.....	.....	1	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.02	737.1	29.75	755 6	46	7.8	68	se.	8	3.6	.....	9 cs	0	sw.	.....	0	0	cloudy	A. Buell.
Unalashka, Alaska	29.36	745.7	29.38	746.2	37	2.8	82	se.	2	0.9	.....	0	7 s	.....	.....	0	0	fair	Samuel Applegate
Vicksburg, Mississippi	29.58	751.3	29.84	757.9	64	17.8	93	s.	7	3.1	.....	.....	10s;fg	.....	.....	inap	inap.	cloudy	F.W.Mixer.
Washington, D. C.	29.82	757.4	29.94	760.5	41.9	5.5	85	nw.	3	1.3	.....	hz.	0	.....	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.88	657 3	29.96	761.0	28	— 2.2	60	w.	11	4.9	.....	0	0	.....	.....	inap.	inap.	clear	F. H. Brandenburg
Wilmington, N Carolina	29.85	758.2	29.91	759.7	60.0	15.6	71	sw.	5	2.2	.....	4c;cs	3 s	w.	.....	0	0	fair	L.H.Albrecht.
Yankton, Dakota	28.17	715.5	29.56	750.8	44.3	6.8	87	n.	8	3.6	.....	9 k	0	nw.	.....	0.13	3.3	cloudy	E. H. Thompson.
Yuma, Arizona	29.75	755.6	29.90	759.4	51.5	10.8	56	se.	6	2.7	.....	0	9 s	.....	nw.	0	0	cloudy	W.S Delano.
Sub-series.																			
BehringIsland, Kamchatka	30.04	763.0	30.06	763.5	22.7	— 5.2	70	n.	14	6 3	.....	0	7 k	.....	n.	0	0	fair	George Cherulck.
Bluefields, Nicaragua, C. A	.....	.....	.....	.....	83	28.3	.....	ne.	.....	.....	2	0	3 k	.....	ne.	0	0	fair	W. P. Jackson.
Bogota, U. S. C	21.94	557.2	.....	.....	53.6	12.0	90	n.	2	1	.....	.....	9 pk	.....	e.	0.543	13.8	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.39	771 9	30.55	776.0	— 8	—22.2	100	calm	0	0	.....	10pck	0	.....	.....	0	0	cloudy	L.M.Turner.
Kingston, Jamaica, W. I	.....	.....	30.01	762.2	73.2	22.9	89	n.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	Robert Johnston.
Paramaribo, S. A	30.02	762 5	30.02	762.5	70	24.4	91	ne.	.....	.....	2	.....	10 n	ne.	ne.	1.920	48.8	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.41	747.0	29.97	761.2	77	25.0	89	ne.	.....	.....	1	7 ck	3 ks	s.	s.	0	0	cloudy	Francisco J. Cisneros
Rivas, Nicaragua, C. A	.....	.....	.....	.....	75	23.9	84	ne.	.....	.....	1	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A	30.15	765.8	30.22	767.6	—20.0	—28.9	.....	ne.	9	4.0	.....	3 k	3 s	ne.	ne.	0.01	0.3	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.02	762.5	30.03	762.8	74.5	23.6	85	n	0.2	0.1	.....	.....	4 k	.....	n.	0	0	.....	P. Fasiani.
Naos, Bay of Panama	29.95	760.0	30.01	762.3	69.8	21.0	92	n.	.....	.....	4	.....	1 k	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, St. Mark, Hayti, W. I	30.03	762.7	67	19.4	.....	ene.	.....	.....	2–3	.....	5	.....	calm	0	0	.....	.....	fair.
S. S. Arizona, N. 42° 02′, W. 49° 04′	30.11	764.8	49	9.4	.....	se.	.....	.....	3	.....	10	.....	s.	0	0	mod.	se.	foggy.
S. S. Alpin, N. 37° 30′, W. 74° 30′	.....	.....	50	10.0	.....	nw.	.....	.....	2	.....	.....	.....	.....	0	0	sm'h	.....	clear.
S. S. Adriatic, N. 41° 16′, W. 58° 42′ †	29.66	753.4	.....	.....	.....	s.	.....	.....	4	.....	.....	.....	sw.	.....	.....	mod.	sw.	misty.
S. S. America, N. 36° 05′, W. 45° —′	.....	.....	68	20.0	90	se.	.....	.....	5	.....	3	.....	se.	0	0	sm'h	se.	fair.
S. S. Athos, N. 18° 46′, W. 77° 25′	.....	.....	.....	.....	.....	nne.	.....	.....	2	.....	2	.....	ne.	0	0	mod.	e.	hazy.
S. S. Celtic, N. 40° 37′, W. 62° 52′ †	29.58	751.3	.....	.....	.....	wnw	.....	.....	5	.....	8	.....	w.	0	0	light	wnw.	cloudy.
S. S. Donau, N. 45° 49′, W. 35° 37′	30.54	775.7	.....	.....	.....	se.	.....	.....	3	.....	9	.....	se.	0	0	light	n.	cloudy.
S. S. Canada, (Br.) N. 40° 32′, W. 67° 12′	29.62	752.3	46.4	8	59	nw.	.....	.....	2	.....	5 8	.....	nw.	0	0	sm'h	nw.	cloudy.
S. S. Elysia, N. 40° 50′, W. 53° 57′ *	29.84	757.9	63	17.2	100	s.	.....	.....	4	.....	5	.....	s.	0	0	sm'h	.....	fine.
S. S. France, (Br.) N. 43° 28′, W. 41° 11′ *†	30.38	771.6	.....	.....	.....	s.	.....	.....	4	.....	3	.....	s.	0	0	sm'h	s.	clear.
S. S. Iowa, N. 42° 16′, W. 66° 08′ †	29.61	752.1	44	6.7	.....	w.	.....	.....	4	.....	10	.....	w.	2 h'r	2 h'r	long	e	misty.
Schr. John Bracewell, N. 38° 55′, W. 74° 52′	.....	.....	40	4.4	.....	wnw.	.....	.....	3	.....	1	.....	.....	0	0	sm'h	.....	clear.
S. S. Nurnberg, N. 44° 10′, W. 33° 06′	30.49	774.4	54.5	12.5	.....	e.	.....	.....	1	.....	5	.....	e.	0	0	sm'h	e.	fair.
S. S. New York, N. 35° 25′, W. 74° 30′	.....	.....	56	13.3	.....	n.	.....	.....	3	.....	3	.....	n.	.....	.....	sm'h	.....	clear.
S. S. Nessmore, N. 47° 12′, W. 52° 05′	.....	.....	55	12.8	88	se.	.....	.....	.....	.....	3	.....	se.	10 h'r	10 h'r	sm'h	se.	foggy.
S. S. Orinoco, N. 34° 17′, W. 66° 45′	.....	.....	66	18.9	.....	nw.	.....	.....	3	.....	4	.....	nw.	3 h'r	3 h'r	r'gh	cross	fine.
S. S. Pennsylvania, N. 29° 29′, W. 52° 00′ †	29.97	761.2	68	20.0	84	se.	.....	.....	5	.....	5	.....	wsw.	0	0	light	sse.	fine.
S. S. Rhaetia, N. 41° 26′, W. 52° 15′	29.97	761.3	40	4.4	.....	se.	.....	.....	5	.....	10	.....	e.	.....	.....	long	e.	foggy.
S. S. Rugia, N. 44° 07′, W. 44° 43′	30.36	771.1	54	12.2	.....	s.	.....	.....	3	.....	.....	.....	s.	6 h'r	6 h'r	2	nnw.	hazy.
S. S. Rhynland, N. 45° 34′, W. 35° 22′	30.48	774.2	50	10.0	.....	e.	.....	.....	2	.....	.....	.....	se.	0	0	long	nnw.	fair.
Bg. Rising Sun, N. 34° 30′, W. 67° 22′ †	29.66	753.4	66	18.9	.....	nw.	.....	.....	6	.....	3	.....	nw.	0	0	long	nw.	
S. S. State of Florida, N. 50° 31′, W. 34° 00′ *	30.15	765.8	48	8.9	.....	w.	.....	.....	1	.....	3	.....	nw.	0	0	h'vy	nw.	fine.
S. S. Salerno, N. 41° 58′, W. 48° 24′	.....	.....	59?	15.0?	.....	sse.	.....	.....	3	.....	5	.....	sse.	0	0	sm'h	sse.	hazy.
S. S. Salier, N. 47° 07′, W. 33° 32′	30.51	774.9	.....	.....	.....	se.	.....	.....	1–2	.....	3	.....	e.	0	0	high	nnw.	fair.
S. S. Switzerland, N. 40° 27′, W. 64° 26′ *†	29.63	752.6	.....	.....	.....	wnw.	.....	.....	2	.....	8	.....	wnw.	7 h'r	7 h'r	sm'h	.....	cloudy.
S. S. Samaria, N. 42° 58′, W. 51° 22′	30.11	764.8	57?	13.9?	.....	ese.	.....	.....	1	.....	10	.....	.....	16 h'r	16 h'r	.....	ese.	foggy.
Bk. Tuck Sing, N. 23° 50′, W. 80° 46′ *†	29.98	761.5	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Valencia, La Guayra, Venezuela †	29.95	760.7	78.5	25.8	78	nnw.	.....	.....	1	.....	2	.....	n.	0	0	light	ne.	clear.
S. S. Westernland, Jersey City, N. J	29.82	757.4	51?	10.6?	86	wnw.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Wieland, N. 40° 56′, W. 63° 26′	.....	.....	52	11.1	.....	nw.	.....	.....	3	.....	6	.....	nw.	6 h'r	6 h'r	mod.	nw.	fair.
S. S. Weser, N. 50° 30′, W. 1° 18′	30.10	764.5	42.8	6.0	.....	e.	.....	.....	4	.....	10	.....	e.	1 h'r	1 h'r	mod.	e.	showery.
S. S. Ontario, N. 44° 59′, W. 40° 23′ *	30.38	771.6	56	13.3	94	s.	.....	.....	3	.....	8	.....	s.	4 h'r	4 h'r	sm'h	s.	cloudy.
S. S. Cienfuegos, St. Jago, Cuba, W.I.	30.00	762.0	73	22.8	.....	nnw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Elbe, N. 49° 46′, W. 7° 30′	30.05	763.2	46.4	8.0	.....	sse.	.....	.....	4	.....	9	.....	s.	0	0	sm'h	sse	cloudy.
S. S. Frisia, near Lizard, Eng	30.04	763.0	45.5	7.5	.....	ese.	.....	.....	3	.....	6?	.....	se.	1 h'r	1 h'r	sm'h	se.	cloudy.?
Schr. Adda Doane, N. 36° 15′, W. 75° 36′ †	29.95	760.7	.....	.....	.....	nw.	.....	.....	1	.....	8	.....	ne.	0	0	sm'h	.....	cloudy.
S. S. Baltic, N. 49° 22′, W. 22° 31′ *†	30.04	763.0	.....	.....	.....	n.	.....	.....	6	.....	8	.....	n.	rain	rain	r'gh	n.	fair.
S. S. Chalmette, New York, N. Y *†	29.79	756.7	43	6.1	.....	n.	.....	.....	4	.....	3	.....	w.	0	0	.....	.....	clear.
S. S. D. J. Foley, N. 34° 35′, W. 74° 40′ †	29.97	761.2	70?	21.1?	52	w.	.....	.....	2	.....	5	.....	se.	0	0	sm'h	.....	fair.
S. S. Erin, London, Eng †	30.09	764.3	46	7.8	.....	ene.	.....	.....	5	.....	10	.....	e.	2 h'r	2 h'r	.....	.....	showery.
S. S. Grecian, Westport, Ireland	30.07	763.5	44	6.7	.....	se.	.....	.....	4	.....	8	.....	se.	0	0	.....	.....	fair.
Bg. John Wesley, Sagua le Grande, Cuba, W. I.	.....	.....	.....	.....	.....	sse.	.....	.....	.....	.....	0	.....	.....	0	0	.....	.....	hazy.
S. S. Lone Star, N. 35° 03′, W. 75° 25′ *†	29.94	760.5	64?	17.8?	.....	ne.	.....	.....	2	.....	8?	.....	wsw.	0	0	sm'h	.....	clear.?
S. S. Ohio, (Am) N. 50° 05′, W. 14° 42′ †	29.97	761.2	50	10.0	96	e.	.....	.....	1	.....	3	.....	e.	0	0	.....	.....	clear.
S. S. Rosse, N. 10° 25′, W. 48° 0′	29.95	760.7	77	25.0	84	ene.	.....	.....	5	.....	5	.....	ene.	0	0	short	ene.	fair.
S. S. St. Laurent, N. 49° 55′, W. 14° 45′	29.88	758.9	55.4	13	.....	e.	.....	.....	2	.....	2	.....	sw.	10 h'r	10 h'r	mod.	e.	clear.
Bgt. Sunlight, N. 26° 55′, W. 69° 45′ *†	29.95	760.7	.....	.....	.....	n.	.....	.....	3	.....	2	.....	ne.	0	0	mod.	nw.	clear.
Schr. Viola Reppard, N. 24° 45′, W. 79° 00′	.....	.....	78	25.6	.....	s.	.....	.....	1	.....	5	.....	s.	0	0	sm'h	.....	fair.
S. S. Werra, N. 50° 39′, E 0° 05′ *	30.04	763.1	43.7	6.5	.....	ne.	.....	.....	4	.....	10	.....	ne.	0	0	sm'h	ne.	cloudy.
U. S. S. Kearsarge, Alexandria, Egypt	29.87	758 7	70	21.1	80	wnw.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	hazy.
U. S. S. Lancaster, Alexandria, Egypt	29.89	759.2	72	22.2	80	w.	.....	.....	2	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
S. Cornelius, N. 48° 32′. W. 8° 55′ †	29.93	760.2	50.4	10.2	.....	se.	.....	.....	5	.....	10	.....	sw.	4 h'r	4 h'r	long	wnw.	cloudy.
U. S. S. Alliance, Kingstown, St. Vincent, W. I.	29.97	761.2	77	25.0	77	ene.	.....	.....	2	.....	2	.....	calm	light	light	sm'h	.....	clear.
U. S. S. Galena, N. 17° 46′, W. 70° 27′ *	29.94	760.5	75	23.9	77	e.	.....	.....	2	.....	10	.....	e.	.....	.....	sm'h	.....	cloudy.
U. S. S. Jamestown, N. 15° 45′, W. 61° 57′	30.02	762.5	75	23.9	77	e.	.....	.....	5	.....	2	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Portsmouth, St. Thomas, W. I	29.95	760.7	71	21.7	100	e.	.....	.....	2	.....	2	.....	e.	.....	.....	.....	.....	fair.
U. S. S. Saratoga, N. 39° 13′, W. 18° 05′	30.04	763.0	55	12.8	87	nne.	.....	.....	2	.....	8	.....	ne	light	light	sm'h	.....	fair.
U. S. S. Swatara, N. 19° 10′, W. 83° 30′	29.95	760.7	80	26.7	82	ene.	.....	.....	2	.....	2	.....	ene.	0	0	sm'h	.....	clear.
U. S. S. Yantic, N. 32° 00′, W. 76° 00′	29.97	761.2	67	19.4	95	s.	.....	.....	4	.....	5	.....	.....	.....	.....	sm'h	n.	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.88	758.9	64	17.8	67	nnw.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Alecto, N. 5° 04′, W. 1° 14′	29.84	757.9	84	28.9	.....	wsw.	.....	.....	2	.....	8	nnw.	.....	.....	.....	4	ssw.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.77	756.1	63	17.2	67	wsw.	.....	.....	5	.....	3	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, Suda Bay, Mediterranean	29.87	758.7	61	16.1	82	nnw.	.....	.....	4	.....	8	wsw.	.....	.....	.....	.....	.....	misty.
H. M. S. Tyne, N. 35° 54′, E. 18° 59′	.....	.....	59	15.0	88	ene.	.....	.....	1	.....	8	wnw.	.....	.....	.....	2	nne.	d. clouds.
H. P. M. S. Bengo, N. 14° 31′, W. 21° 18′	29.95	760.8	71.6	22.0	82	ene.	.....	.....	4	.....	8	nne.	wsw.	0	0	4	ene.	d. clouds.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.80	757.0	88.7	31.5	79	sse.	.....	.....	4	.....	3	.....	se.	0	0	4	se.	d. clouds.
S. S. British Prince, N. 48° 35′, W 25° 47′ †	30.29	769.4	51	10.6	79	nnw.	.....	.....	6	.....	5	.....	nne.	0	0	h'vy	nnw.	fine.
S. S. Scandinavian, Glasgow, Scotland	30.18	766.6	43	6.1	.....	ese.	.....	.....	1	.....	10	.....	ene.	.....	.....	.....	.....	misty.
S. S. Sardinian, N. 42° 15′, W. 48° 31′	.....	.....	46	7.8	.....	se.	.....	.....	2	.....	.....	.....	.....	0	0	sm'h	.....	foggy.
S. S. Ailsa, Jacmel, Hayti, W. I.	.....	.....	80	26.7	91	se.	.....	.....	1	.....	2	.....	ne.	0	0	.....	.....	fair.
S. S. Alps, N. 17° 59′, W. 66° 03′	.....	.....	76	24.4	.....	e.	.....	.....	1	.....	2	.....	e.	0	0	sm'h	se.	fine.
S. S. Dorian, Valencia, Spain	29.60	751.8	.....	.....	.....	nne.	.....	.....	6	.....	10	.....	.....	24 h'r	24 h'r	.....	.....	raining.
S. S. Furnessia, N. 47° 32′, W. 38° 37′ *†	30.43	772.9	60?	15.6?	.....	sse.	.....	.....	5	.....	10	.....	sse.	4 h'r	4 h'r	long	ne.	overcast.
S. S. Galatia, N. 36° 04′, W. 8° 06′ *†	29.79	756.7	57	13.9	.....	nw.	.....	.....	2	.....	3	.....	nw.	2 h'r	2 h'r	sll't	nw.	fine.
S. S. Llandaff City, N. 51° 25′, W. 8° 28′ *†	30.05	763.3	76	13.3	.....	e.	.....	.....	5	.....	8	.....	s.	0	0	sm'h	.....	cloudy.
S. S. Bothnia N. 40° 23′, W. 66° 54′	29.61	752.1	55?	12.8?	.....	nnw.	.....	.....	4	.....	8	.....	nnw.	0	0	mod.	s.	gloomy.
S. S. Wyoming, N. 53° 27′. W. 3° 52′	30.14	765.5	43	6.1	.....	e.	.....	.....	2	.....	hz.	.....	.....	0	0	sm'h	.....	hazy.
S. S. Westphalia, Hamburg, Germany	30.11	764.8	36	2.2	.....	se.	.....	.....	4	.....	6	.....	se.	2 h'r	2 h'r	.....	.....	cloudy.
S. S. Virginian, N. 41° 29′, W. 57° 00′	.....	.....	56	13.3	.....	wsw.	.....	.....	2	.....	.....	.....	wnw.	0	0	mod.	ssw.	
S. S. Hevelius, N. 22° 42′, W. 23° 45′	.....	.....	68	20.0	.....	ene.	.....	.....	6	.....	7	.....	ene.	0	0	mod.	.....	cloudy.
S. S. Archimede, (It) N. 36° 24′, W. 3° 22′ †	29.66	753.4	66	18.9	.....	ne.	.....	.....	1	.....	7	.....	e.	3 h'r	3 h'r	sm'h	nw.	cloudy.
S. S. Picqua, Palermo, Sicily	.....	.....	.....	.....	.....	se.	.....	.....	1	.....	.....	.....	.....	0	0	.....	.....	cloudy.
S. S. City of Merida, N. 23° 09′, W. 82° 22′	.....	.....	73.4	23	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	light	ne.	fine.
S. S. Italy, N. 41° 03′, W. 49° 59′ *	29.98	761.5	56	13.3	94	e.	.....	.....	3	.....	10	.....	.....	0	0	mod.	se.	dense fog.
S. S. Muriel, N. 24° 24′, W. 64° 55′	.....	.....	77	25.0	.....	s.	.....	.....	2	.....	0	.....	.....	0	0	mod.	.....	clear.
S. S. Pennland, Antwerp, Belgium	30.12	765.0	45	7.2	92	ne.	.....	.....	1	.....	8	.....	ne.	0	0	.....	.....	cloudy.
S. S. Waesland, N. 44° 00′, W. 38° 12′	30.43	772.9	59	15.0	.....	se.	.....	.....	5	.....	7	.....	se.	0	0	mod.	s.	misty.
S. S. Amsterdam, N. 47° 41′ W. 25° 14′	.....	.....	56.8	13.8	89	n.	.....	.....	5	.....	5	.....	ne.	0	0	high	ne.	misty.
S. S. Saxon, N. 39° 55′, W. 73° 55′	.....	.....	42	5.6	.....	w.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	fine.
S. S. Republic, N. 49° 55′, W. 16° 47	.....	.....	48	8.9	92	nw.	.....	.....	6	.....	5	.....	nw.	4 h'r	4 h'r	mod.	nw.	squally.
S. S. Lepanto, N. 35° 32′, E. 15° 53′	29.86	758.4	62	16.7	.....	ene.	.....	.....	1	.....	3	.....	ne.	0	0	h'vy	ene.	fine.
S. S. Marengo, Hull, Eng	.....	.....	53	11.7	.....	ne.	.....	.....	2	.....	1	.....	ne.	.....	.....	sm'h	.....	clear.
Bg. Alcira. N. 36° 14′, W. 71° 41′	.....	.....	65	18.3	73	var.	.....	.....	4–5	.....	7	.....	n.	5 h'r	5 h'r	h'vy	sw.	
Schr. Arthur Burton, Ponce, Porto Rico	.....	.....	.....	.....	.....	ne.	.....	.....	1	.....	1	.....	ne.	0	0	sm'h	.....	fine.
Schr. Annie R. Lewis, N. 37° 45′, W. 72° 45′ †	29.88	758.9	52	11.1	.....	nw	.....	.....	3	.....	2	.....	nw.	0	0	mod.	n.	clear
Bk. Aureola, N. 38° 24′, W. 49° 07′ †	30.09	764.2	66	18.9	89	se	.....	.....	6	.....	7	.....	sse.	1 h'r	1 h'r	h'vy	e.	squally.
Bg. Abbie Clifford. N. 17° 50′ W. 59° 24′ †	29.98	761.5	78	25.6	.....	ene.	.....	.....	2	.....	1	.....	e.	.....	.....	light	sse.	fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	29.95	760.7	78	25.6	.....	calm	.....	.....	0	.....	2	.....	ene.	0	0	.....	.....	clear.
S. Annie, off Sandy Hook, N. J	.....	.....	.....	.....	.....	wnw.	.....	.....	4	.....	.....	.....	.....	0	0	sm'h	.....	clear.
Schr. Abbie H. Gheen, Georgetown, S. C. *†	29.95	760.7	65	18.3	.....	sw.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
Bk. Alpha, N. 18° 04′, W. 46° 40′ *†	30.02	762.5	74	23.3	.....	ne.	.....	.....	3	.....	8	.....	e.	4 h'r	4 h'r	sm'h	.....	squally.
Bk. Bore, N. 9° 30′, W. 25° 31′	.....	.....	78	25.6	.....	n.	.....	.....	3	.....	3	.....	n.	0	0	sm'h	n.	fair.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Bracadaile, N 37° 24′, E. 10° 30′	.....	.....	60	15.6	.....	ese:	.....	.....	7	.....	9	.....	ene.	0	0	high	ene.	overcast.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.94	760.5	78	25.6	.....	sse.	.....	.....	4	.....	9	.....	.....	1 h'r	1 h'r	.....	.....	cloudy.
Bk. Cato, N. 38° 50′, W. 12° 50′†	29.88	758.9	59	15.0	82	n.	.....	.....	4	.....	2	.....	n.	0	0	cross	nnw.	clear.
Bk. C. S. Bushnell, N. 36° 30′, W. 2° 25′	29.67	753.6	.....	.....	.....	calm	.....	.....	0	.....	10	.....	ene.	rain	rain	sm'h	.....	
S. David Stewart, N. 35° 27′, W. 75° 18′	.....	.....	64?	17.8?	.....	sw.	.....	.....	7	.....	10	.....	wnw.	1 h'r	1 h'r	long	sw.	
S. E. B. Sutton, N. 44° 00′, W. 25° 00′*†	30.32	770.1	53	11.7	86	nne.	.....	.....	6	.....	3	.....	n.	light	light	mod.	nw.	fair.
Bk. Esmeralda, N. 58° 10′, W. 9° 29′	30.12	765.0	.....	.....	.....	sse.	.....	.....	5	.....	10	w.	sse.	3 h'r	3 h'r	mod.	w.;s.	clear.
U. S. Fish Com. S. S. Fish Hawk, Kings Ferry, Fla	.....	.....	67	19.4	.....	w.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
S. Grecian, N. 21° 02′, W. 49° 54′†	30.13	765.3	74	23.3	68	e.	.....	.....	4	.....	3	.....	e.	0	0	sm'h	nnw.	clear.
Bk. Guleon, N. 16° 01′, W. 29° 52′	.....	.....	72	22.2	.....	ene.	.....	.....	5	.....	6	.....	ene.	0	0	.....	ne.	d clouds.
Bk. Heinrich & Tonio, N. 41° 05′, W. 49° 20′*†	30.02	762.5	59	15.0	100	se.	.....	.....	4	.....	0	.....	.....	0	0	mod.	se.	foggy.
Bk. Hattie G. McFarland, Aspinwall, U. S. C.	.....	.....	78	25.6	.....	calm	.....	.....	0	.....	5	.....	ne.	0	0	.....	.....	
S. Henry Failing, N. 32° 31′, W. 42° 43′ *†	30.09	764.3	69	20.6	80	se.	.....	.....	3	.....	8	.....	se.	8 h'r	8 h'r	cross	var.	raining.
Schr. Jennie N. Huddell, N. 36° 30′ W. 75° 00′†.	29.97	761.2	58	14.4	.....	nne.	.....	.....	3	.....	2	.....	nw.	0	0	sm'h	.....	fair.
Bg. John Welsh, jr., N. 14° 30′, W. 61° 40′†	29.95	760.7	.....	.....	.....	ene.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
S. Grecian, N. 21° 02′, W. 49° 54′†	29.99	761.7	.....	.....	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. John Bird, Zaza, W. I.*†	.....	.....	75	23.9	.....	ne.	.....	.....	2	.....	4	.....	ne.	0	0	.....	.....	clear.
Schr. Jenny Greenbank, Ciudad, Venezuela	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	1 h'r	1 h'r	.....	.....	fine.
Bg. L & W. Armstrong, Mayaguez, Porto Rico, W. I.	.....	.....	.....	.....	.....	sw.	.....	.....	2-3	.....	10	.....	sw.	0	0	.....	.....	cloudy.
Light-house tender Laurel, Pensacola, Fla†	29.88	758.9	73	22.8	.....	ese.	.....	.....	5	.....	7	.....	se.	0	0	mod.	ese.	cloudy.
S. S. Madrid, N. 35° 44′, W. 37° 34′	.....	.....	61	16.1	82	n.	.....	.....	2	.....	2	.....	nw.	rain	rain	mod.	ene.	clear.
Schr. Maggie Abbott, N. 24° 40′, W. 74° 00′*†	29.95	760.7	.....	.....	.....	ene.	.....	.....	3	.....	.....	.....	ene.	0	0	sm'h	ne.	clear.
S. S. Mendoza, N. 6° 08′, W. 42° 10′†	29.95	760.7	.....	.....	.....	nnw.	.....	.....	5	.....	2	.....	n	¼ h'r	¼ h'r	mod.	nnw.	clear.
Bk. Rosalie, N. 33° 42′, W. 22° 28*†	30.15	765.8	.....	.....	.....	nne.	.....	.....	5	.....	0	.....	.....	0	0	large	nw.	clear.
Bk. Rosina, N. 41° 00′, W. 9° 00′	29.67	753.6	57	13.9	.....	ese.	.....	.....	3	.....	8	.....	se.	2 h'r	2 h'r	.....	.....	
Bkt. Rosebud, N. 47° 51′, W. 8° 39′*	29.90	759.4	52	11.1	.....	wnw.	.....	.....	3	.....	9 kn	.....	wnw.	1 h'r	1 h'r	long	var.	cloudy.
S. Salisbury, N. 39° 07′, W. 66° 02′	29.62	752.3	46.6	8.1	93	.....	.....	.....	.....	.....	1	.....	s.	0	0	.....	ene.	clear.
S. Saga, N. 31° 19′, W. 79° 58′†	29.95	760.7	67	19.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	cf'd	.....	
Bk. Sunbeam, Lisbon, Portugal†	29.72	754.9	61	16.1	88	n.	.....	.....	4	.....	7	.....	nw.	0	0	.....	.....	fair.
S. Stephen D. Horton, N. 44° 12′, W. 31° 54′	.....	.....	.....	.....	.....	ene.	.....	.....	3	.....	3	.....	.....	3 h'r	3 h'r	large	n	clear.
Bk. Silica, N. 59° 06′, W. 1° 40′*	30.26	768.6	.....	.....	.....	se.	.....	.....	2	.....	2	.....	.....	0	0	sm'h	.....	fine.
S. Tsemogora, N. 38° 00′, W. 63° 52′*†	29.55	750.6	.....	.....	.....	.....	.....	.....	3	.....	8	.....	sw.	3 h'r	3 h'r	short	sse.	cloudy.
Bk. Tros, N. 20° 24′, W. 46° 44′ *†	30.11	764.8	76	24.4	.....	e.	.....	.....	2	.....	3	.....	e.	0	0	sm'h	n.	
S. Vincenzo Accame, N. 34° 40′, E. 23° 31′†	29.86	758.5	62.6	17	.....	n.	.....	.....	5	.....	0	.....	.....	0	0	cf'd	.....	
Bk. Idaho, N. 37° 51′, W. 73° 37′ *†	29.85	758.2	.....	.....	.....	wnw.	.....	.....	4	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	85	29.4	.....	ssw.	.....	.....	4	.....	5	.....	sw.	1 h'r	1 h'r	.....	.....	fair.
S. S. Leipzig, N. 14° 53′, W. 25° 51′*	29.99	761.7	78.0	25.6	65	ne.	.....	.....	4	.....	2	.....	ne.	0	0	mod.	ne.	fair.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, S. Africa	29.95	760.7	70	21.1	70	nw.	8	3.6	.....	.....	0	.....	.....	0	0	sm'h	.....	clear.
U. S. S. Pensacola, S. 11° 30′, W. 12° 53′†	30.00	762.0	80	26.7	82	ese.	.....	.....	3	.....	2	.....	ese.	0	0	sm'h	.....	clear.
H. M. S. Amethyst, Montevideo, Uruguay	29.79	756.7	72	22.2	90	w.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. M. S. Boadicea, Mossamedes, Benguela	29.79	756.7	76	24.4	82	ssw.	.....	.....	2	.....	3	ssw.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	30.11	764.8	67	19.4	60	sse.	.....	.....	5	.....	2	sse.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, S. 35° 33′, W. 53° 20′	29.80	756.9	72.2	22.3	92	n.	.....	.....	1	.....	10	.....	.....	.....	.....	3	n.	overcast.
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela.	29.88	759.0	78.3	25.7	70	wnw.	.....	.....	3	.....	2	.....	.....	0	0	2	.....	blue sky.
Bk. Adelaide, S. 14° 58′, W. 35° 43′*†	29.99	761.7	84	28.9	.....	e.	.....	.....	5	.....	1	.....	ese.	0	0	mod.	ese.	clear.
Bk. Achille F., S. 6° 45′, W. 30° 45′*†	29.90	759.4	83	28.3	85	nne.	.....	.....	1	.....	1	.....	e.	0	0	long	sse.	
S. Frank N. Thayer, S. 7° 48′, W. 26° 32′ *†	29.93	760.2	84	28.9	75	s.	.....	.....	1	.....	8	.....	.....	.....	.....	light	.....	showery.
S. Gatherer, S. 11° 08′, W. 31° 35′ †	29.90	759.4	83	28.3	91	se.	.....	.....	4	.....	5	.....	se.	0	0	mod.	se.	fair.
S. Ismir, S. 3° 00′, W. 33° 25′ *†	29.94	760.5	.....	.....	.....	nne.	.....	.....	1	.....	5	.....	nne.	rain	rain	.....	ese.	fine.
Bkt. Levanter, S. 21° 42′, W. 39° 12′ *	30.08	764 0	81	27.2	.....	ese.	.....	.....	3	.....	1	.....	.....	0	0	mod.	se.	hazy.
U. S. S. Shenandoah, Montevideo, Uruguay *	29.92	760.0	70	21.1	100	wsw.	.....	.....	2	.....	.....	.....	w.	.....	.....	sm'h	.....	rainy.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	.....	.....	37.5	3.1	95	nnw.	.....	.....	1	.....	10	.....	n.	0.14	3.6	.....	.....	drizzling.
U. S. S. Alert, Shanghai, China	.....	.....	50?	10.0?	80	sse	.....	.....	1	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 31° 21′, E. 146° 32′	29.82	757.4	59	15.0	88	n.	.....	.....	3	.....	10	.....	.....	.....	.....	sm'h	nw.	raining.
U. S. S. Juniata, Roze Island, Corea	30.16	766.1	39	3.9	82	w.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Palos, Shanghai, China	30.31	769.9	40	4.4	100	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Audacious, Hong Kong, China	30.09	764.3	64	17.8	89	e.	.....	.....	3	.....	4	e.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Cleopatra, N. 24° 30′, E. 118° 43′	30.18	766.6	.....	.....	.....	nne.	.....	.....	6	.....	.....	.....	.....	.....	.....	6	.....	
H. M. S. Champion, Shanghai, China	30.28	769.1	49?	9.4?	93	ne.	.....	.....	2	.....	5	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	30.22	767.6	53	11.7	77	ne	.....	.....	4-6	.....	3	.....	.....	.....	.....	4	se.	misty.
H. P. M. S. Tamega, Macao, China	30.10	764.6	68.0	20	91	ene.	.....	.....	3	.....	10	.....	.....	12 h'r	12 h'r	.....	.....	drizzling.
U. S. S. Monocacy, Canton, China	30.04	763.0	68	20.0	74	e.	.....	.....	1	.....	10	.....	ene.	.....	.....	.....	.....	cloudy.
S. S. Newbern, N. 33° 16′, W. 118° 30′	.....	.....	55?	12.8?	68	nw.	.....	.....	5	.....	5	.....	sw.	0	0	h'vy	wnw.	fair.
S. S. Arabic, N. 34° 43′, E. 141° 14′*†	29.87	758.7	44	6.7	84	ne.	.....	.....	6	.....	10	.....	ne.	rain	rain	r'gh	nne.	raining.
S. S. City of Chester, Eureka, Cal†	29.83	757.7	45	7.2	84	calm	.....	.....	0	.....	fg.	.....	.....	0	0	.....	.....	
S. S. Oregon, San Francisco, Cal †	29.88	758.9	45	7.2	100	se.	.....	.....	2	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
S. S. Willamette, N. 47° 02′, W. 124° 32′†	29.91	759.7	40	7.8	84	ene	.....	.....	1	.....	2	.....	ne.	0	0	long	wnw.	clear.
S. S. Alameda, Honolulu, Sandwich Islands†	30.07	763.8	72	22.2	95	ne.	.....	.....	.....	.....	.....	.....	ne.	.....	.....	.....	.....	rainy.
S. S. Ancon, Pt. Loma, Cal †	29.89	759.2	56	13.3	87	sw.	.....	.....	3	.....	8	.....	w.	2 h'r	2 h'r	light	wsw.	cloudy.
S. S. State of California, N. 43° 25′, W. 124° 30′†	29.73	755.1	55	12.8	86	ese.	.....	.....	4	.....	8	.....	se.	.....	.....	short	sse.	cloudy.
S. S. Australia, N. 5° 38′, W. 164° 49′	30.06	763 5	79	26.1	91	sse.	.....	.....	3	.....	4	.....	e.	0	0	.....	.....	
S. S. City of Pekin, Hong Kong, China†	30.04	763.0	67	19.4	84	e.	.....	.....	6	.....	10	.....	.....	0	0	.....	.....	overcast.
S. S. City of Tokio, N. 28° 21′, W. 150° 04′†	30.27	768.8	68	20.0	74	ese.	.....	.....	4	.....	0	.....	.....	.....	.....	mod.	e.	clear.
S. S. Granada, Panama, Panama	.....	.....	72	22.2	90	nw.	.....	.....	1	.....	2	.....	nw.	0	0	.....	.....	clear.
S. S. San Blas, N. 13° 53′, W. 91° 00′†	29.87	758.7	78	25.6	91	nw.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	sse.	clear.
S. S. San José, N. 30° 02′, W. 116° 30′	.....	.....	60	15.6	65	nw.	.....	.....	5	.....	10	.....	wnw.	0	0	mod.	wnw.	overcast.
S. S. Benalder, Hong Kong, China	.....	.....	72	22.2	95	e.	.....	.....	4-5	.....	8	.....	se.	6 h'r	6 h'r	.....	.....	rainy.
S. S. Port Phillip, N. 20° 00′, E. 121° 40′	30.16	766.1	80	26.7	91	ne.	.....	.....	2	.....	.....	.....	.....	.....	.....	sm'h	e.	cloudy.
U. S. S. Richmond, Blenheino Beach, China	30.08	764.0	68	20.0	84	e.	.....	.....	2	.....	10	.....	e.	0	0	.....	.....	cloudy.
S. S. Oceanic, N. 34° 33′, E. 144° 07′	29.88	758.9	52	11.1	79	ne.	.....	.....	5	.....	10	.....	n.	0	0	4	e.	cloudy.
District No. 4—South Pacific.																		
U. S. S. Pinta, S. 38° 04′, W. 74° 23′	30.12	765.0	57	13.9	68	nnw.	.....	.....	1	.....	8	.....	calm	.....	.....	long	e.	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	30.05	763.3	58	14.4	88	calm	.....	.....	0	.....	2	.....	.....	.....	.....	long	.....	fair.
H. M. S. Espiegle, S. 33° 36′, E. 103° 22′	30.42	772 7	67	19.4	74	ene.	.....	.....	4	.....	3	.....	.....	.....	.....	1	s.	blue sky.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	30.07	763.8	64	17.8	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Lark, S. 24° 35′, E. 104° 53′	30.10	764.5	73.3	22.9	83	e.	.....	.....	5	.....	4	.....	.....	.....	.....	4	e.	d clouds.
H. M. S. Mutine, Callao, Peru	29.94	760.5	73	22.8	.....	sse.	.....	.....	1	.....	7	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 20° 12′, W. 70° 15′	30.05	763 3	69	20.6	100	s.	.....	.....	2	.....	6	s.	.....	.....	.....	2	s.	misty.
S. S. City of Sydney, S. 34° 06′, E. 160° 00′*†	30.15	769.1	73	22.8	85	nnw.	.....	.....	2	.....	2 k	.....	nnw.	.....	.....	light	ne.	clear.
U. S. S. Onward, Callao Bay, Peru *†	30.04	763.0	73	22.8	95	se.	.....	.....	1	.....	10	.....	se	.....	.....	long	w.	cloudy.
U. S. S. Iroquois, Coquimbo, Chili	30.02	762.5	66	15.6	82	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	73	22.8	85	se.	.....	.....	2	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.82	757.4	80	26.7	91	wnw.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
H. M. S. Magpie, S. 7° 35′, E. 104° 17′	29.84	757.9	79.5	26.4	87	w.	.....	.....	2	.....	4	.....	.....	.....	.....	3	var.	d. clouds.
H. M. S. Myrmidon, Daedalus Reef, Red Sea	29.87	758.7	76	24.4	82	nnw.	.....	.....	3	.....	0	.....	.....	.....	.....	2	nnw	blue sky.
S. Orealia, S. 3° 30′, E. 79° 53′*	29.82	757.4	.....	.....	.....	var.	.....	.....	3	.....	5	.....	w.	0	0	sm'h	.....	fair.

International Chart I. March 28, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B.Hazen, Chief Signal Officer.

Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 29, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.66	753.3	63.7	17.6	63	se.	.....	.....	2	.....	0	.....	.....	0.118	3.0	clear	Roziere.
Algiers	.....	.....	29.55	750.5	55.8	13.2	87	se.	.....	.....	2	.....	10	.....	.....	0.772	19.6	covered	Théye.
La Calle	.....	.....	29.67	753.7	70.2	21.2	55	sse.	.....	.....	6	.....	5	.....	.....	0	0	cloudy	Fonfrède.
Tunis	.....	.....	29.77	756.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.77	756.2	42.8	6.0	70	nw.	.....	.....	7	.....	4	.....	.....	inap.	inap.	cloudy	Forfert.
Laghouat	.....	.....	29.71	754.6	59.4	15.2	.....	w.	.....	.....	8	.....	2	.....	.....	0	0	fair	Abraham.
Biskra	.....	.....	29.69	754.2	72.0	22.2	62	e.	.....	.....	4	.....	4	.....	.....	0	0	cloudy	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.20	767.1	60.0	15.6	88	calm	0	0	.....	.....	1	.....	.....	0.857	21.8	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.92	760.0	30.11	764.8	58.5	14.7	80	se.	10	4.5	.....	.....	2	.....	se.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.07	763.8	30.16	766.0	63.0	17.2	90	s.	5	2.2	.....	.....	10	.....	.....	1.15	29.2	dull	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.41	747.0	29.95	760.8	59.5	15.3	29	se.	.....	.....	3	.....	7	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.23	742.5	30.01	762 2	50.7	10.4	63	e.	13.0	5.8	.....	.....	6	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.11	739.4	29.99	761.7	54.0	12.2	54	calm	.....	.....	0	.....	9 ks	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.70	728.9	29.95	760.6	54.9	12.7	34	se.	.....	.....	2	.....	2	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.56	725.3	29.98	761.4	50.8	13.8	59	nw	.....	.....	2	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.60	726 3	29.95	760.8	46.2	7.9	79	ese.	.....	.....	1	.....	10	.....	.....	0	0	cloudy	The Staff.
Lemberg	29.07	738.4	30.08	764.0	44.2	6.8	70	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.83	757.6	29.94	760.4	55.8	13.2	72	wnw.	.....	.....	2	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.47	748.4	29.93	760.1	58.8	14.9	48	n.	.....	.....	2	.....	5	.....	.....	0.142	3.6	.....	Joseph Midlinszky, S. J
Szegedin	29.70	754.3	29.98	761.5	55.6	13.1	61	calm	.....	.....	0	.....	8	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.87	758.8	29.97	761.3	57.6	14.2	43	n.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.25	742.9	29.97	761.1	55.4	13.0	47	se.	.....	.....	2	.....	8	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28 52	724.3	29.89	759.3	52.2	11.2	57	e.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....
Brussels	29.77	756.1	29.97	761.3	49.1	9.5	62	ene.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....
Furnes	29.95	760.7	29.97	761.2	52.3	11.3	60	ne.	.....	.....	1	.....	1	.....	.....	0	0	.....	.....
Maeseyck	29.87	758.8	30 00	762 0	53.6	12.0	59	se.	.....	.....	2	.....	2	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.99	761.7	30.09	764.3	42.0	5.6	66	sse.	12	5.4	.....	.....	6	.....	.....	0	0	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.07	763.8	43.8	6.6	50	e	5	2.2	.....	.....	9	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	29.52	749 8	30.06	763.5	40.6	4.8	65	ese.	3	1.3	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.66	753.4	30.06	763.5	41.6	5.3	76	ne.	.....	.....	2	.....	10	.....	.....	0	0	overcast	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.93	760.2	29.96	761.0	81	27.2	70	e.	.....	.....	3	.....	7f	.....	.....	.....	.....	overcast?	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	42.6	5.9	79	e.	.....	.....	0.4	.....	10	.....	.....	.....	.....	overcast.	John McLaren.
Chatham, School M. E.	29.84	757.9	30.02	762.5	40.1	7.8	67	e.	.....	.....	1	.....	10	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.75	755.6	29.99	761.7	45.5	7.5	52	ene.	.....	.....	2	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.75	704.8	30.06	763.5	75.0	23.9	86	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	30.02	762.5	30.06	763.5	42	5.6	66	e.	.....	.....	1	.....	5	.....	.....	0	0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.52	749.8	29.61	752.1	54.6	12.6	91	w.	.....	.....	4	.....	10	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.83	757.7	30.01	762.2	44.1	6.7	74	ene.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.54	750.3	29.84	757.9	50.0	10.0	72	nne.	.....	.....	4	c	5	.....	.....	.....	.....	d. clouds	A. Coltenette, F.R.M.S
Kew, Observatory	29.97	761.2	30.01	762.2	42.6	5.9	67	ene.	14	6.3	.....	.....	10	.....	.....	.....	.....	misty	The Staff.
Leicester, Museum	29.78	756.4	30.04	763 0	42.4	5.8	79	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.62	752.3	29.70	754.4	60.2	15.7	79	e.	.....	.....	2	.....	10	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.94	760.5	29.98	761 5	78.0	25.6	80	w.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.79	756.7	30.02	762.5	43.3	6.3	75	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.88	758 9	29.96	761.0	46.7	8.2	62	se.	.....	.....	1	.....	10	.....	.....	0	0	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.94	760.4	30.04	763.0	42.9	6.1	83	.....	.....	.....	.....	.....	9	.....	.....	.....	.....	d. clouds	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.83	757.7	29.90	759.4	47.2	8.4	90	n.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	W. H. Lyne.
Sheffield	29.80	756.9	30.08	764.0	42.9	6.1	75	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	30.04	763 0	30.07	763.8	45.9	7.7	69	e.	.....	.....	1	.....	5	.....	.....	0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.08	764.0	41.9	5.5	68	ne.	3	1.3	.....	.....	10	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	46.4	8.0	73	ne.	.....	.....	1.0	.....	9	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	30.03	762.7	30.06	763.5	45.7	7.6	60	n.	6	2.7	.....	.....	4	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.41	747 0	29.80	756.9	60.4	15.8	77	e.	17.4	7.8	.....	0	9 n	.....	e.	0	0	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.90	759.4	30.02	762.5	59.9	15.5	81	e.	26	11.6	.....	.....	10 8	.....	.....	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	29.38	746.2	29.43	747.5	32.0	0.0	.....	calm	0	0	.....	.....	10 n	.....	.....	0.67	17.0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.37	746.0	29.41	747.0	34	1.1	93	sw.	2	0.9	.....	.....	10 n	.....	.....	0.050	1.3	light rain	H. J. Cundall, C. E
Chatham, N. B*	29.37	746.0	29.43	747.5	33	0.6	85	nw.	1	0.4	.....	.....	10 8	.....	nw.	0.10	2.5	cloudy	G. A. Blair.
Cornwall, Ontario	29.40	746.7	29.60	751.8	34.5	— 0.3	91	nw.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.38	746.2	29.44	747.8	32.5	0.3	.....	calm	.....	.....	0	.....	10 n	.....	.....	0.100	2.5	snowing	H. A. Johnson.
Father Point, Quebec*	29.47	748.5	29.49	749.0	29	— 1.7	88	ne.	3	1.3	.....	0	8 n	.....	.....	0.30	7.6	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.60	751.8	30.55	776 0	— 5	—20.6	83	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	29.39	746.5	29.46	748.3	35.0	1.7	80	nw.	6	2.7	.....	.....	10 8	.....	.....	0.050	1.3	overcast	Dr. Thos. Harrison.
Grand Manan, N. B	29.41	747.0	29.47	748.5	34	1.1	85	calm	0	0	.....	0	8 ks	.....	nw.	0.02	0.5	clearing	J. Chipman Seeley
Granton, Ontario	28.68	728.5	29.81	757.2	35.0	1.7	100	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.31	744.5	29.44	747.8	35	1.7	96	calm	0	0	.....	.....	fg.	.....	.....	0.020	0.5	dense fog	A. Allison.
Hamilton, Ontario	29.28	743.7	29.69	754.1	38.3	3.5	82	nw.	.....	.....	2	4 ck	0	w.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.30	744.2	29.64	752.8	38	3.3	80	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A.
Little Glace Bay, N. S	29.34	745.2	29.39	746.5	37.0	2.8	90	sw.	1	0.4	.....	.....	10 n	.....	.....	0	0	overcast	C. H. Rigby.
London, Ontario	28.87	733.3	29.79	756.7	35.8	2.1	88	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.61	701.3	29.05	760.7	33	0.6	96	e.	1	0.4	.....	0	8 n	.....	.....	0	0	fair	John Ewart.
Minnedosa, N. W. T	28.37	720.6	30.47	773.9	13	—10.6	96	e.	3	1.3	.....	0	2 s	.....	e.	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.40	746.7	29.61	752.1	36	2.2	79	n.	3	1.3	.....	0	0	.....	.....	0.01	0.3	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.42	747.3	29.65	753.1	26.2	— 3.2	98	sw.	.....	.....	.....	0	0	.....	.....	0.250	6.3	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.02	737.1	29.74	755.4	31	— 0.6	78	n.	20	8.9	.....	2 cs	5 ks	n.	.....	0	0	fair	Rev. R. Mosley.
Peterboro, Ontario	28.92	734.6	29.09	754.1	30.7	2.6	68	w.	.....	.....	1	2 c	0	w.	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.73	755.1	30.50	774.7	15	— 9.4	73	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.02	737.1	29.73	755.1	36	2.2	90	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.09	738.9	29.75	755.6	37	2.8	79	n.	5	2.2	.....	5 ck	0	ne.	.....	0	0	fair	M. Payne.
Qu Appelle, N. W. T	27.89	708.4	30.28	769.1	22	— 5.6	.....	s.	25	11.2	.....	2 cs	0	.....	.....	0	0	fair	Leslie Gordon.
Quebec, Quebec*	29.21	741.9	29.58	751.3	29	— 1.7	96	calm	0	0	.....	.....	10 8	.....	.....	0.40	10.2	cloudy	Capt. Asne, R. N.
Rockliffe, Ontario*	29.24	742.7	29.71	754.6	32	0.0	85	nw.	12	5.4	.....	5 c	0	n	.....	0	0	fair	W. H. McIntyre.
St. Andrews, N. B	29.40	746.7	29.45	748.0	34	1.1	93	nw.	4	1.8	.....	2 k	2 ks	w.	.....	0	0	fair	.....
St. John, N. B	29.30	744 2	29.45	748.0	33.8	1.0	92	nw.	8	3.6	.....	4 k	4 k	n.	.....	0.045	1.2	d. clouds	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.53	750.0	35.6	2.0	.....	se.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sargeen, Ontario*	29.06	738.1	29.80	756.9	29	— 1.7	92	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	.....
Stratford, Ontario	28.47	723.1	29.77	756.1	35.0	1.7	71	n.	2	0.9	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill	Weather.	Observers
Canadian.—Continued.																			
Sydney, C. B*	29.41	747.0	29.47	748.5	36	2.2	92	sw.	3	1.3			10 n			0.40	10.2	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.33	745.0	29.72	754.9	35	1.7	75	w.	8	3.6		2 cs	0	w.		0	0	clear	Magnetic Observatory.
Woodstock, Ontario	28.70	729.0	29.78	756.4	36.7	2.6	73	nw.	11	4.9		8 c	0	ne.		0	0	d. clouds	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.41	747.0	29.48	748.8	35	1.7	92	nw.	4	1.8			10 k		nw.	0	0	cloudy	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt.House	29.96	761 0	29.99	761.7	67.5	19.7	89	ne.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.90	759.4			81.0	27.2	28	e.				4 ck	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.93	709.4			90	32.2	52									0	0		J. T. Eustace
Chilian.																			
Iquique																			Rafael Moreno.
Niebla	29.50	749.2	29.60	751.9	55.0	12.8		w.			2		7		w.	0.640	16.4	drizzling	Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					56.3	13.5	89	n.			1	10 n		n.		0	0	cloudy	Leon Herrera.
Valparaiso	29.87	758.6	30.01	762.2	57.2	14.0	89	se.			1	0	0					clear	Paez-I-Ampuero.
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.11	764.7	30.13	765 3	46.6	8.1	83	ese.	10.1	4.5			10			0	0	covered	M.Marc Dechevrens, S. J
Danish.																			
Copenhagen	30.16	766 0	30.21	767.2	35.2	1.8	85	e.	9	4			1						Oversergent Fischer.
Fanöe	30.15	765.8	30.17	766.3	41.9	5.5	79	se.			4		8						Overloerer Lauridsen.
Godthaab, Greenland	30.33	770.3	30.37	771 4	3.6	—15.8	85	ene.			4		0						S. Kleinschmidt.
Ivigtut, Greenland	30.23	767.9	30.25	768.4	5.5	—14.7		ne.			2		2						
Stykkisholm, Iceland	29.53	750.1	29.58	751 2	35.2	1.8	69	e.			4		5					snowing	A. O. Thorlacius.
Thorshavn	29.97	761.3	30.00	761.9	45.0	7.2	70	se.	16	7			10						Overloerer Bergh.
Upernavik, Greenland	30.49	774.5	30.54	775.7	— 4.9	—20.5		sw.			4		5						
Vestervig	30.08	764.0	30.17	766.3	41.9	5.5	80	sse.			2		10						Loerer Oesterbol.
Egyptian.																			
Cairo	29.74	755.5			74.3	23.5		ne.	4.5	2.0			0			inap.	inap.		Albert Ismailun, Dir.
French.																			
Agen, Normal School	29.05	737.9	29.69	754.1	59.7	15.4	48	se.			4		8n;kn	se.	se.	0	0		M. Labroue, Director.
Alençon, Normal School	29.11	739.3	29.66	753.3	50.4	10.2	97	n.			1		5		s.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.72	754 8	29.87	758.6	51.3	10.7	60	ene.			2		1	ene.	ene.	0	0	clear	M. Ungerer, Director.
Avignon, Normal School	29.74	755.3	29.82	757.3	66.9	19.4	28	ne.			1		5		se.	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.29	744.0	29.84	757.9	59.7	15.4	30	ese.			2		10			0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.64	752.9	29.91	759.6	52.5	11.4	57	e.			1		5			0	0	cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.88	733.5	29.76	756.0	61.7	16.5	49	ene.			1		0			0	0	clear	M. Gobin, Director.
Bordeaux, Observatory	29.39	746.5	29.65	753.0	60.4	15.8	44	se.			4		10			0.004	0.1	covered	M. Rayet, Director.
Bourges, Normal School	29.25	742.9	29.79	756.7	61.5	16.4	47	ne.			2		5		ne.	0.020	0.5	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.68	753.9	29.93	760.1	50.7	10.4	72	ne.			4		1		ne.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.74	755.5	29.82	757.4	52.9	11.6	93	ne.			1		0			0	0	clear	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.65	753.0	29.97	761.3	57.6	14.2	66	e.			1		2			0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.45	747 9	29.97	761.2	55.0	12.8	13	ese.			1		0			0	0	clear	M. Noël, Director.
Clermont-Ferrand Obs'y	28.42	721.9	29.74	755.5	63.0	17.2	40	n.			1		8			0	0		M. Alluard, Director.
Cluny, Normal School	28.92	734.6	29.83	757.6	61.2	16.2	47	ne.			1		1			0	0		M. de Villemontée, Dir.
Commercy, Normal School	29.05	737.9	29.95	760.7	50.7	10.4	86	ne.			4		5 ks	ne.	ne.	0	0	cloudy	Dr. Coulet, Director.
Gap, Normal School	27.26	692.5	29.73	755.1	59.9	15.5	26	nw.			6		6 k			0	0		M. Jarach, Director.
Grénasque, du Rhone	28 61	726.7	29.72	754.8	59.5	15.3	36	se.			8		10		se.	0	0		M. Kina, Director.
Grenoble, Normal School	29.00	736 7	29.72	754.8	64.4	18.	36	ese			1	ck			s.	0	0		M. Ablard, Director.
Gué at, Normal School	28.22	716.8	29.76	755.9	59.0	15.	68	se.			1		k		se.	0.08	2		M. Delorme, Dir.
Lamballe Normal School	29.54	750.3	29.82	757.3	48.9	9.4	71	ene.			2		n		ene.	0	0		M. Poilpre, Dir.
Lescar, Normal School	29.04	737.5	29.60	751.8	58.5	14.7	50	ene.			1		kn			0	0		M. Chauvin, Director.
Lorient, Naval Observatory	29.73	755 2	29.84	757.8	58.3	14.0	65	ne.			4		0			0	0	clear	L'. T. Carre, Director.
Lyon, St. Genis-Laval	28 73	729 8	29.78	756 4	57.7	14.3	43	n.			1	5 c		s.		0	0	fair	M. André, Director.
Mans, Normal School	29.53	750.1	29.84	757.8	56.7	13.7	67	se.			1		2 kn		se.	0	0	slightly cl'dy	M. Richard, Director
Marseille, Observatory	29.45	747 9	29.71	754.6	65.8	18.8	60	e.			6–8		10		se.	0	0		M. Stephan, Director.
Montlouis	24.41	620.0	29.25	743.0	36.1	2.3	86	ne.	15.0	6.7			10	ne.		0.346	8.8		M Cave for Dr. Fines.
Montpellier, Normal School	29.58	751.4	29.69	754.2	55.0	12.8	61	e.			4		5	n.		0	0	cloudy	M. Galzin, Director.
Nancy, Normal School	29.13	739 8	29.91	759.8	54.3	12.4	54				1					0	0		M. Hasse, Director.
Nantes, Observatory	29.66	753.4	29.82	757.5	58.1	14.5	63	nne.			1.2		9 k		ese.	0	0		M. Larecque, Director.
Perpignan, Observatory	29.60	751.7	29.71	754.5	55.8	13.2	76	e.	5.6	2.5			10		ese.	0.339	8.6		Dr. Fines, Director.
Pic-du-Midi, Summit	20.82	528.8			28.0	— 2.2		sw.			1		10		se.	0.126	3.2	covered	M. Vaussenat, Director.
Privas, Normal School	28.71	729 3	29.76	755.8	63.3	17.4	41	se.			1		2		n.	0	0	slightly cl'dy	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.93	633 1			41.0	5.0	70	ese.			2		8			0	0		M Alluard.
Rochefort, Naval Obs'y	29.71	754.5	29.74	755 3	64.0	17.8	71	ese.			3		2			0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.54	750.2	29.75	755.6	61.5	16.4	55	W.			2					0	0		M Brotlier, Director.
Rodez, Normal School	27.59	700.9	29.70	754.4	58.5	14.7	45	w.			4		4	e		0	0	covered	M. Seger, Director.
Rouen, Normal School	29.67	753.6	29.72	754 8	56.1	13.4	53	sse.			4		10 kn			0	0	clear	M. Mouillot, Dir.
Saint Maur, Observatory	29.71	754 7	29.88	758.9	60.4	15.8	43	ene.			1		0			0	0		M. Renou, Director.
Toulouse, Observatory	28.99	736.3	29.70	754.4	55.4	13.0	63	se.			2		1	sw.		0	0	covered	M. Baillaud, Director.
Tours	29.02	752.4	29.80	757.0	61.2	16.2	50	ne.			10		10	se.		0	0	covered	M. de Tastes.
Versailles, Observatory	29.38	746.3	29.80	759.8	57.2	14.0	45	e.			1		10		ese.	0	0	clear	Dr. A. Berigny, Director.
Sub-series.											2		0			0	0		
St. Martin du Hinx	29.48	748.7	29.63	752.5	55.0	12.8	78	e	4.0	1.8			10 k		ne.	0.083	2.1	covered	M. Carlier, Director.
German.																			
Ansbach	28.53	724.7	30.00	762 1	46.4	8.0	51	ne.			4		2	ne.		0	0		Prof. Jnedt.
Bamberg	29.17	740.8	30.01	762.2	45.1	7.3	60	ne.			1		4 k	e.		0	0		Prof. Dr. Hoh.
Berlin	29.95	760.7	30.10	764.5	43.9	6.6	87	ne.			1		10			0.008	0.2		Meteorological Institute
Breslau	29.54	750.3	30.07	763.8	47.8	8.8	77	ene.			2		10			0.120	3.2	heavy rain	Royal University Obs'y
Carlsruhe	29.49	749.0	29.95	760 7	52.2	11.2	52	ene.			2		5	w.		0	0		Albert Senz.
Cassel	29.35	745.4	30.06	763.5	44.2	6.8	73	ne.			4		9	e.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.63	752.7	30.00	762.0	52.5	11.4	46	e.			1		4			0	0		Physical Society.
Friedrichshafen	28 47	723.1	29.89	759 3	49.3	9.6	72	sw.			1		1	e.		0	0		Wilhelm, Chief Tel.
Hamburg	30.08	764.1	30.17	766.4	42.8	6.0	90	e.			2		10			0	0	misty	E. Preiler.
Kiel	30.15	765.8	30.17	766.2	42.4	5.8	72	ne.			2		6			0	0		Prof. Dr. G. Karsten.
Leipsic, Astrom'l Obs'y	29.66	753.4	30.09	764.3	42.8	6.0	85	ne.			2		10	ene.		0.110	2.8		H. Leppig, Asst.
Magdeburg	29.92	759.9	30.11	764.9	42.8	6.0	90	ne.			2		10			0.010	0.4		Weather Observatory.
Memel	30.19	766 7	30.23	767 9	43.3	6.3	72	nw.			1		10						Issermann.
Munich	28.12	714 2	29.98	761.4	47.3	8.5	59	nw.			3		1 k						Central Station.
Neufahrwasser	30.18	766.6	30.20	767.0	41.2	5.1	83	ne.			4		3	w.		0	0		A. Lothes.
Neustadt, Palatinate	29.42	747.3	29.95	760.6	51.6	10.9	53	e.			2		0			0	0		Prof. Dicknether.
Stuttgart	28.98	730.1	29.87	758.8	51.8	11.0	50	n.			3		2	e.		0	0		Prof. Dr. Schoder.
Wustrow	30.14	765 5	30.16	766.1	40.8	4.9	81	ne.			1		6	sw.		0	0		Profs. Brandes & Reimer
Greek.											2		10 s			0	0		
Athens	29.56	750 8	29.94	760.5	66.4	19.1		n.			1.0	8	0			inap.	inap.		Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.82	757.3	29.87	758.6	79.4	26.3	76	sw.	24.0	10.7			0			0	0	blue sky	
Deesa	29.38	746.1	29.84	757 9	93.4	34.1	17	wsw.	14.0	6.3			0			0	0	blue sky	
Bombay	29.80	757.0	29.84	758.0	82.9	28.3	65	nw.	27.0	12.1			1	wnw.		0	0	d. clouds	
Poona, Yarrowda	27.98	710 6	29.76	756.4	93.2	34.0	15	n.	8.0	3.6			9			0	0	d. clouds	
Belgaum	27.29	693.1	29.81	757.2	78.2	25.7	58	wsw.	7.0	3.1			7	n.	W.	0	0	d. clouds	
Lahore	28.96	735.6	29.70	754 3	85.0	29.4	26	e.	6.0	2.7			10			0	0	overcast	
Roorkee	28.90	733 9	29.78	756.3	88.7	31.5	14	calm	0	0			0			0	0	misty	
Agra	29.24	742.7	29.79	759.7	94.0	34.8	19	w.	2.0	0.9			0			0	0	blue sky	
Nagpur	28.72	729.6	29.73	755.2	90.7	35.9	21	calm	0	0			6		w.	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p.sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Clouds. Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.47	723.1	29.79	756.6	93.9	34.4	21	nw.	4.0	1.8			4	w.		0	0	d. clouds	
Lucknow	29.39	746.4	29.75	755.7	98.0	36.7	12	w.	6.0	2.7			0			0	0	misty	
Allahabad	29.46	748.3	29 76	756.0	95.7	35.4	14	nw.	6.0	2.7			0			0	0	blue sky	
Patna	29.54	750.2	29.72	754.8	96.3	35.7	20	wnw	5.5	2.5			0			0	0	blue sky	
Hazaribagh	27.78	705 7	29.75	755.7	88.6	31.4	16	wnw.	12.0	5.4			0			0	0		
Cuttack	29.70	754.3	29.78	756.3	89.3	31.8	58	e.					0			0	0	blue sky	
Calcutta, Alipore	29.72	754.8	29.74	755.4	89.5	31.9	35	sse.	6.0	2.7			0			0	0	blue sky	
Dhubri	29.56	750 8	29.68	753 8	84.7	29.3	59	calm	0	0			0			0	0	blue sky	
Chittagong	29.74	755.3	29.83	757.6	79.7	26.5	79	s.	4.6	2.1			0			0	0	misty	
Sibsagar	29.46	748.2	29.80	756.9	72.0	22.2	85	ne.	2.0	0.9			10	w.	w.	0.20	5.1	d. clouds	
Jeypore	28.39	721.2	29.81	757.2	90.4	32.4	14	w.	14.9	6.7			3		w.	0	0	d. clouds	
Zanzibar	29.81	757.1	29.83	757.6	86.7	30.4	69	nw.	3.0	1.3			5		wnw.	0	0	d. clouds	
Bellary	28.30	718.8			96.5	35.8	32	e.	2	0.9		3 ck	4			0	0	d. clouds	
Trichinopoly	29.55	750.6			94.7	34.8	44	e.	0.3	0.1		0	0			0	0	blue sky	
ITALIAN.																			
Udine	29.54	750.4	29.95	760.8	60.8	16.0	29	sw.	0.7	0.3			1			0	0		Prof. Giovanni Clodig.
Milan	29.43	747.6	29.95	760.7	61.2	16.2	38	ne.	4.9	2.2			5	ne.		0	0		Prof. G.V. Schiaparelli
Padua	29.84	757.8	29.95	760.6	58.6	14.8	30	ese.	3.8	1.7			2			0	0		Prof. Dott. Lorenzoni.
Moncalieri	29.00	736.6	29.91	759.6	57.0	13.9	42	s.	3.1	1.4			8	nne.		0	0		Prof. F. F. Denza.
Genoa	29.72	754.9	29.91	759.8	63.5	17.5	28	sw.	4.3	1.9			10	sw.		0	0		Prof. G. M. Garibaldi.
Pesaro	29.90	759.5	29.95	760.7	52.2	11.2	81	n.	10.5	4.7			9			0	0		Prof. Luigi Guidi.
Florence	29.6[illegible]	752 2	29.87	758 7	64.0	17.8	26	sw.			2		10			0	0		Prof. Costantino Pittei.
Leghorn	29.74	755.3	29.82	757.4	63.7	17.6	29	ne.	5.6	2.5			9			0	0		Prof. P. Monte.
Rome	29.67	753.6	29.85	758.1	63.0	17.2	36	wnw.	0.7	0.3			10			0	0		Prof. P. Tacchini.
Lecce	29.66	753.3	29.91	759.8	60.8	16.0	54	ne.	8.7	3.9			1			0	0		Prof. C. de Giorgi.
Cosenza	29.00	736.7	29.90	759.4	57.2	14.0	78	wnw.	1.8	0.8			8	nw.		0	0		Prof. D. Conti.
Palermo	29.49	749.1	29.74	755.5	65.7	18.7	45	s.	19.9	8.9			8			0	0		Prof. G. Cacciatore
Syracuse	29.81	757.1	29.85	758.2	62.1	16.7	68	ese.	15.4	6.9			9	se.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.35	745.3			62.8	17.1	52	sw.	0	0			4			0	0		Prof. F. Brioschi.
JAPANESE.																			
Akita	29.94	760.5	29.97	761.2	33.2	0.7	100	w.			2	0	8k;ks		w.	0.268	6.8	cloudy	H. Hattori.
Awomori	29.88	758.9	29.02	759.9	30.4	— 0.9	90	w.	12.5	5.6		0	7ks;n		w.	0.071	1.8	cloudy	K. Ogawa.
Hakodate	29.87	758.8	29.88	759.1	29.0	— 1.7	70	w.	10.8	4.8		0	2 s			0.063	1.6	clear	Y. Souma.
Hamamatsu	29.96	761.0	30.06	763.5	42.5	5.8	61	w.			2	0	0			0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.09	764.3	30.11	764.7	41.5	5.3	80	n.	4.4	2.0		0	0			0	0	clear	Y. Okamoto.
Kagoshima	30.16	766.0	30.17	766.3	42.6	5.9	81	nnw.			2	0	0			0	0	clear	
Kanazawa	29.95	760.7	30.05	763.3	40.0	4.4	66	se.	6.6	2.9		0	0			0.235	6.0	clear	S. Endo.
Kioto	29.91	759.6	30.08	764.0	36.0	2.4	83	n.	0.6	0.3		0	0			0	0	clear	M. Tojima.
Kochi	30.10	764.6	30.12	765.1	44.9	7.2	79	nw.	4.8	2.1		0	0			0	0	clear	K. Kusunose.
Misaka	30.11	764.8	30.14	765.5	46.2	7.9	84	nw.			1	0	0			0	0	clear	K. Masusaki & T. Ishitain.
Miyako	29.85	758.2	29.96	761.0	30.8	— 0.7	53	sw.	0.8	0.4		0	0			0.213	5.4	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.97	761.2	30.18	766.6	41.1	5.1	77	calm	0	0		0	0			0	0	clear	
Nemuro	29.64	752.8	29.69	754.1	28.0	— 2.2	59	calm	0	0		0	3 s			0	0	fair	A. Shibuya.
Niigata	29.97	761.2	30.01	762.2	37.0	2.8	75	se.	2.7	1.2			10 ks		sw.	0.190	4.8	covered	Satoo & Tomikawa.
Nobiru	30.00	761.9	30.01	762.3	33.7	0.9	63	nw.	3.0	1.3		0	0			0.010	0.3	clear	Yoshino & Midzushina.
Numadzu	29.96	761.0	29.99	761.8	42.0	5.6	83	ene.			2	0	0			0	0	clear	T. Ohgi.
Osaka	30.07	763.9	30.09	764.3	40.1	4.5	83	w.	2.1	0.9		0	0			0	0	clear	H. Omura.
Sakai	30.07	763.7	30.08	763.9	40.8	4.9	78	sw.			2	0	0			0.008	0.2	clear	Yamawchi & Sakamoto.
Sapporo	29.75	755.7	29.82	757.5	22.2	— 5.4	89	s.	6.9	3.0		0	0			0.016	0.4	clear	S. Kimura.
Shimonoseki	30.00	761.9	30.14	765.6	43.0	6.1	65	wsw.			1	0	0			0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.95	760.7	30.03	762.7	42.8	6.0	82	nne.	4.4	2.0			9ks;s?		nw.	0	0	clear?	The Staff.
Wakayama	30.03	762.8	30.09	764.2	40.6	4.8	75	calm	0	0		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.75	755.6	29.94	760.5	80.4	26.9	73	e.	14.5	6.5		0	4k;n		e.	0.35	8.9	fair	The Staff.
MEXICAN.																			
Leon	24.31	617.5	29.99	761.7	57.2	14.0	65	nnw.	0.9	0.4		5 c	0			0	0	fair	M. Leal & M. Pina
Mazatlan	29.64	752.9	29.90	759.5	61.5	16.4	86	e.	1.6	0.8		3 cs	0			0	0	foggy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	30.00	761.9	30.00	761.9	48.4	9.1		e.			4					0	0		
Groningen	30.06	763.5	30.11	764.9	43.2	6.2		se.			1					0	0		
Helder	30.08	763.9	30.08	763 9	41 7	5.4		ene.			4					0	0		
Hellevoetsluis	30.02	762.5	30.02	762.5	48.0	8.9	51	e.			2					0	0	lightly cl'dy	H. van der Brink.
Utrecht	29.99	761.7	30.04	762.9	50.0	10.0	44	sse.			4		3			0	0		
Sub-series.																			
Batavia, Java	29.87	758.7			78.4	25.8	86	sw.	1.5	0.7			10			0	0		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.08	764 0	30.14	765.6	41.7	5.4	63	ssw.	2	1			8			0	0		
Brono	30.01	762 3	30.05	763 3	37.9	3.3	78	se.			2		8			0.315	8.0		
Christiania	30.02	762.6	30.17	766.4	45.3	7.4	45	e.	9	4			7			0	0		
Gjæsvær	30.20	767.1	30.22	767 7	34.5	1.4		calm			0		0			0	0		
Lodingen	30.08	764.0	30.13	765.2	35.2	1.8	69	ne.			2		1			0	0		
PORTUGUESE.																			
Angra, Azores																			Dr. J. A. Sampaio.
Campo Major																			Dr. A. M. R. dos Santos
Funchal, Madeira	29.86	758.4	29.95	760.6	60.3	15.7	55	calm	0	0			10			0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.32	744.6	29.65	753.1	56.1	13.4	43	wsw.	7.4	3.3			5			0.020	0.5		The Staff.
Ponta Delgada, Azores	30.27	768.9	30.34	770.7	57.6	14.2	55	nne.	31.1	13.9			4			0.031	0.8		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.98	761 6	30.02	762.5	68.0	20.0	60	e.			4		4			0	0		
San Salvador, Congo	27.99	711 0	29.80	756.9	83.1	28.4	66	s.			1		4			0	0		
Serra da Estrella	24.85	631 3	29.65	753.0	35.2	1.8	95	nnw.	6.9	3.1			8			0.366	9.3		
RUSSIAN.																			
Akmolinski	29.26	743.3	30.43	773.0	19.2	— 7.1	98	wsw.	9	4		6 ck	0			0	0		Major K. Lasarew.
Archangel	30.22	767.5	30.24	768.0	20.2	— 3.2	76	wnw.	13	6			10			0	0		Capt. Ssellwerstow
Ashurada	30.09	764.3	30.00	761.9	56.5	13.6	76	nnw.	13	6		0	2 k			0	0	light clouds	
Astrakhan	30.12	765.1	30.05	763.2	49.5	9.7	42	se.	9	4		cs	4 s					light clouds	Capt. Wisganow.
Baku	30.04	762 9	29.99	761.7	53.2	11.8	78	s.	9	4		0	0			0	0		
Barnaul	29.90	759.5	30.44	773.2	20.3	— 6.5	87	sw.	22	10			9			0.035	0.9		Meteorological Office.
Bieloserk	29.83	757.6	30.32	770.1	31.0	— 0.2	49	calm	0	0		2 cs	0			0	0	solar halo	
Dorpat	30.00	762.1	30.26	768.5	39.2	4.0	73	ene.	4	2			9 ks			0	0		Rosenthal.
Ekaterinburg	29.12	739 7	30.12	765.1	31.8	— 0.1	58	wsw.	4	2			10			0.047	1.2		Meteorological Obs'y.
Elissawetgrad	29.61	752.0	30.07	763 7	44.4	6.9	73	nne.	4	2			10 s			0	0		
Kasan	29.88	759.0	30.17	766.2	28.4	— 2.0	78	se.	2	1			10			0.004	0.1		Observatory.
Kem	30.31	769.9	30.36	771.2	32.7	0.4	45	calm	0	0			6 ks			0	0		
Kertch	29.85	758 1	29.87	758.7	40.8	4.9	87	n.	4	2			9 n			0	0		Lagorio & Sastyrew.
Kieff	29.41	747.0	30.07	763.7	39.4	4.1	82	n.	9	4			10ks;n			0	0		Observatory.
Koslov	29.54	750.3	30.07	763.7	31.6	— 0.2	83	ene.	7	3			10 s			0	0		
Lgov	29.50	749.3	30.11	764.7	36.5	2.5	93	calm	0	0			10			0.020	0.5	rain & fog	R. I. Ssaweljew, En[illegible]
Libau	30.19	766.8	30.21	767.4	41.4	5.2	71	nw.	9	4			2			0	0		T. Quaas.
Lugan	29.74	755.3	29.95	760 6	40.1	4.5	81	nne.	9	4			10			0	0		Meteorological Obs'y.
Moscow	29.67	753.7	30.17	766.4	34.3	1.3	80	w.	4	2		0	7 ks			0	0		Meteorological Obs'y.
Nertschinsk	27.91	708.9	30.41	772.4	9.7	—12.4	40	calm	0	0			0			0	0		
Nikolaiev	29.97	761.1	30.04	762.9	54.0	12.2	65	ne.	22	10		7 cs	0			0	0		Capt. Kurdakow.

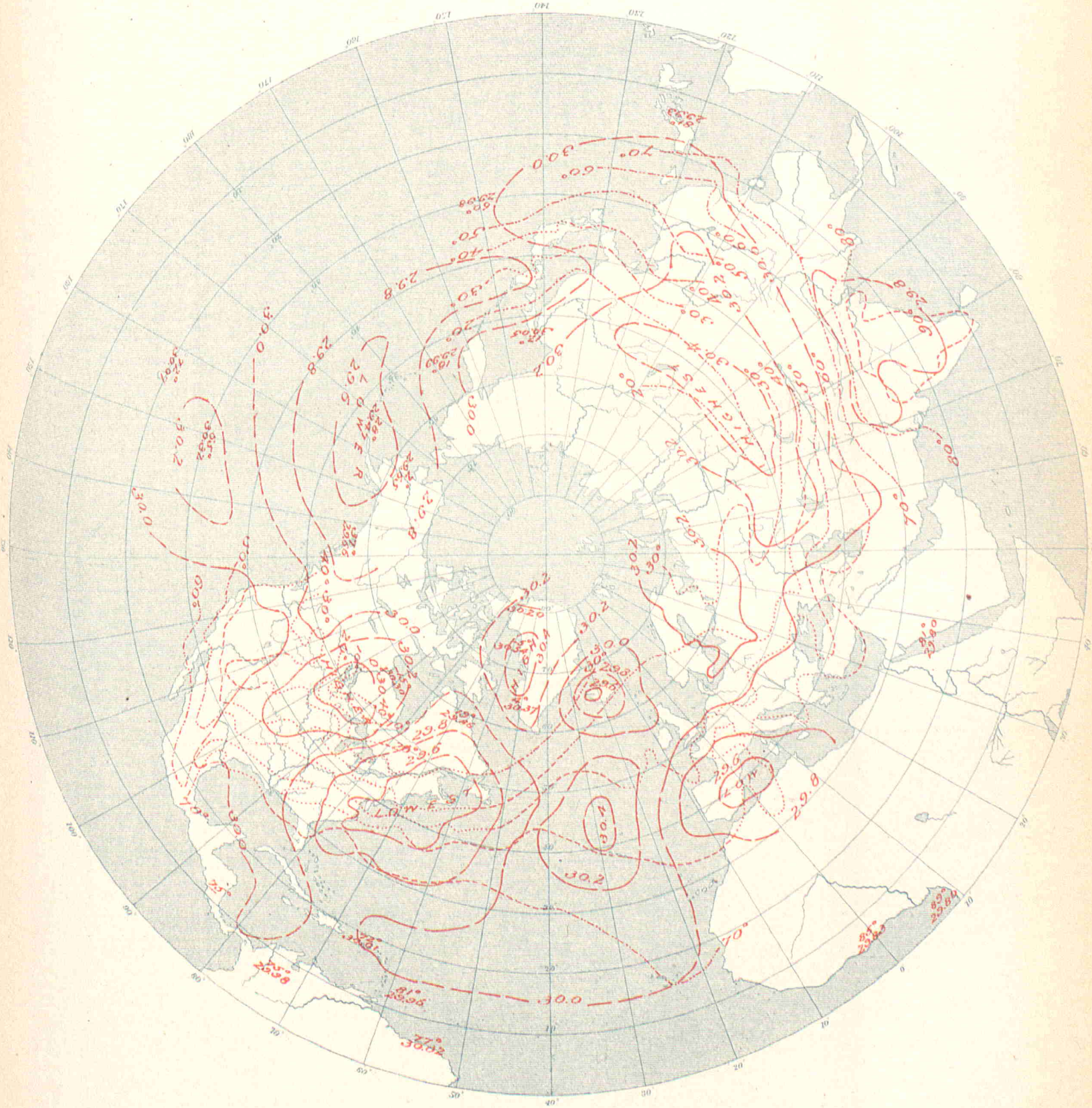
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Engn.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.96	761.0	30.05	763.2	12.9	—10.6	75	e.	2	1	.....	.....	9 n	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.03	762.8	30.17	766.4	40.6	4.8	50	sw.	2.2	1.0	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.77	756.2	30.13	765.3	52.2	11.2	28	n	4	2	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.13	765.2	30.34	770.5	26.2	— 3.2	67	se.	11	5	.....	3 ck	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.69	754.2	30.21	767.2	39.4	4.1	95	ene.	4	2	.....	.....	10	.....	.....	0	0	.....	
Poti	29.74	755.3	29.97	756.1	75.2	24.0	69	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
St. Petersburg	30.28	769.0	30.30	769.6	35.1	1.7	48	ne.	9	4	.....	10 c	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.52	699.0	29.98	761.4	55.6	13.1	54	nw.	7.8	3.5	.....	0	3	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.88	759.0	30.60	777.2	19.6	— 6.9	81	se.	9	4	.....	.....	7	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.61	752.0	29.82	757.4	51.4	10.8	71	nnw.	11	5	.....	.....	10 n	.....	.....	0.063	1.6	.....	
Staroi Bykhov	29.58	751.3	30.15	765.9	38.3	3.5	78	ne.	11	5	.....	.....	10	.....	.....	0.051	1.3	.....	Carl Hagen.
Tashkend, Laboratory	28.37	720.6	30.04	763.0	55.4	13.0	47	calm	0	0	.....	.....	8 k	.....	.....	.....	.....	light clouds	Terch, A. M.
Tiflis	28.52	724.3	29.91	759.8	60.4	15.8	46	se.	7	3	.....	3 cs	0	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.62	701.6	30.22	767.5	36.9	2.7	57	calm	0	0	.....	0	5 k	.....	.....	.....	.....	.....	Larlono.
Viatka	29.50	749.2	30.15	765.8	36.0	2.2	55	w.	2	1	.....	.....	10	.....	.....	0	0	.....	
Vladivostock	29.84	758.0	29.91	759.7	19.2	— 7.1	78	ene.	18	8	.....	.....	0	.....	.....	0.059	1.5	.....	
Warsaw	29.69	754.2	30.12	765.1	48.2	9.0	57	e.	11	5	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.96	760.9	30.26	768.6	28.8	— 1.8	59	wsw.	9	4	.....	.....	10	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.54	750.3	30.08	764.0	32.7	0.4	73	ne.	16.1	7.2	.....	.....	10	.....	ne.	0	0	cloudy	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.43	747.4	29.53	750.1	53.6	12.0	87	e.	.....	.....	.....	.....	10	.....	.....	1.032	26.2	rainy	B. Jelin.
Bilbao, Met. Obs'y	29.60	751.9	29.66	753.4	55.6	13.1	88	w.	0.2	0.1	.....	.....	10	.....	.....	0.339	8.6	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.64	676.7	29.65	753.0	41.7	5.4	92	e.	8.7	3.9	.....	.....	10	.....	.....	0.453	11.5	covered	Domingo Martin.
Madrid, Royal Obs'y	27.34	694.4	29.56	750.7	52.0	11.1	78	s.	3.8	1.7	.....	.....	10	.....	.....	0.043	1.1	covered	The Staff.
Murcia, Met. Obs'y	29.38	746.2	29.53	750.0	62.2	16.8	81	wnw.	4.5	2.0	.....	2	7	s.	.....	0.521	15.0	raining	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.71	729.3	29.61	752.1	51.3	10.7	84	ne.	8.7	3.9	.....	.....	10	.....	.....	0.051	1.3	covered	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.97	761.3	30.04	763.0	71.6	22.0	88	ese.	2.0	0.9	.....	0	0	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.87	758.8	29.93	760.2	80.5	26.9	65	e.	4.4	2.0	.....	0	ks	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.04	752.8	29.74	755.3	57.0	13.9	68	w.	13.1	5.9	.....	.....	9	.....	w.	0.200	5.1	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.92	759.9	30.01	762.2	72.0	22.2	80	calm	0	0	.....	2 cs	1 k	.....	.....	0	0	clear	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.27	768.9	30.31	769.9	32.0	0.0	87	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Umea	30.19	766.9	30.24	768.2	32.7	0.4	85	e.	.....	.....	2	.....	10	.....	.....	0.039	1.0	.....	
Hernosand	30.17	766.2	30.22	767.5	34.2	1.2	85	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Stockholm	30.02	762.6	30.20	767.1	44.6	7.0	55	sw.	.....	.....	2	.....	2	.....	.....	0	0	.....	
Wisby	30.10	764.6	30.16	766.1	39.9	4.4	74	ne.	.....	.....	4	.....	3	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.09	764.3	30.18	766.5	44.6	7.0	54	sse.	3.6	1.6	.....	.....	2	wnw.	w.	0	0	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.40	721.4	29.86	758.4	54.3	12.4	44	n.	.....	.....	1	.....	4	.....	.....	0	0	vapory	
TURKISH.																			
Constantinople	.....	.....	29.95	760.8	47.3	8.5	91	n.	17	7.5	.....	.....	10	.....	n.	0	0	.....	The Observatory.
Valona	.....	.....	30.01?	762.2?	63.5	17.5	.....	w.	.....	.....	1	.....	10	.....	.....	0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.82	757.5	65.3	18.5	78	sw.	.....	.....	3	.....	10 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.51	749.5	29.60	751.8	43	6.1	81	n.	1	0.4	.....	.....	10 s	.....	n.	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.30	744.2	30.00	762.0	30	— 1.1	88	nw.	17	7.6	.....	.....	10 s	.....	nw.	0	0	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.85	631.2	29.87	758.7	29.1	— 1.6	79	ne.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.10	688.3	30.12	765.0	33.3	0.7	86	nw.	9	4.0	.....	0	0	.....	.....	0	0	clear	J. J. O'Connor.
Atlanta, Georgia	28.70	729.0	29.91	759.7	56.0	13.3	48	w.	14	6.3	.....	0	hz.	.....	.....	0	0	clear	S. W. Beall
Atlantic City, New Jersey	29.54	750.3	29.55	750.6	45.0	7.2	83	n.	11	4.9	.....	1 k	0	n.	.....	0.01	0.3	clear	B. A. Blundon.
Augusta, Georgia	29.04	752.8	29.84	757.9	62.3	16.8	45	calm	0	0	.....	0	hz.	.....	.....	0.23	5.8	clear	W. J. Evans.
Baltimore, Maryland	29.53	750.0	29.58	751.3	51.5	10.8	72	n.	6	2.7	.....	5ck;cs	2 k	w.	w.	0.03	0.8	fair	Geo. W. Felger.
Barnegat City, New Jersey	29.54	750.3	29.56	750.8	43.4	6.3	79	ne.	18	8.0	.....	2 c	0	ne.	.....	0	0	clear	J. P. Sherry.
Bennett, Fort, Dakota	28.68	728.5	30.38	771.6	29.8	— 1.2	86	ne.	8	3.6	.....	5 k	5 s	ne.	ne.	0	0	cloudy	A. Pritchard.
Benton, Fort, Montana	27.15	689.6	30.13	765.3	31.1	— 0.5	84	ne.	3	1.3	.....	.....	10 s	.....	se.	0	0	cloudy	C. S. Bennett.
Bismarck, Dakota	28.48	723.4	30.40	772.1	21.2	— 6.0	80	e.	7	3.1	.....	0	3 s	.....	n.	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.53	750.0	29.56	750.8	39.0	3.9	82	n.	8	3.6	.....	3 ck	3 s	nw	nw.	0	0	clearing	J. T. Elker.
Boise City, Idaho	27.00	685.8	29.92	760.0	40.5	4.7	92	w.	1	0.4	.....	.....	10 n	.....	.....	0.09	2.3	light rain	James Keneely.
Boston, Massachusetts	29.39	746.5	29.55	750.6	38.0	3.3	80	n.	7	3.1	.....	.....	10 s	.....	n.	0	0	cloudy	O. B. Cole.
Brownsville, Texas	29.93	760.2	29.99	761.7	69.8	21.0	100	calm	0	0	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	John McGlone.
Buford, Fort, Dakota	28.95	735.3	29.74	755.4	34.2	1.2	95	n.	3	1.3	.....	8 cs	0	ne.	.....	0	0	cloudy	D. Cuthbertson.
Cairo, Illinois	28.15	715.0	30.31	769.9	26.5	— 3.1	91	e.	10	4.5	.....	.....	10 s	.....	s.	0	0	cloudy	A. Schneider.
Canby, Fort, Washington Ter	29.62	752.3	30.04	763.0	54.0	12.2	86	nw.	13	5.8	.....	.....	10 s	.....	nw.	0	0	cloudy	W. H. Ray.
Cape Henry, Virginia	29.90	759.4	30.10	764.5	44.8	7.1	89	e.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. H. Young.
Cape May, New Jersey	29.56	750.8	29.58	751.3	48.0	8.9	100	nw.	22	9.8	.....	.....	10 n	.....	.....	0.14	3.6	light rain	A. R. Alderson.
Cape Mendocino, California	29.51	749.5	29.54	750.3	45.5	7.5	83	ne.	12	5.4	.....	7 ck	0	n.	.....	0.05	1.3	fair	W. E. Smith.
Cedar Keys, Florida	29.28	743.7	29.97	761.2	40.2	4.6	89	nw.	18	8 0	.....	0	6 s	.....	nw.	0.17	4.3	fair	A. P. Leavitt.
Charleston, S. Carolina	29.94	760.5	29.96	761.0	69.2	20.7	92	w.	15	6.7	.....	0	5 k	.....	w.	0.01	0.3	fair	G. W. Davis.
Charlotte, N. Carolina	29.60	753.4	29.72	754.9	65.5	18.6	68	w.	11	4.9	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Chattanooga, Tennessee	28 83	732.3	29.71	754.6	57.5	14.2	49	w.	6	2.7	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Cheyenne, Wyoming	29.04	737.0	29.89	759.2	59.5	15.3	49	nw.	19	8.5	.....	0	hz.	.....	.....	0	0	clear	B. L. Goulding.
Chicago, Illinois	23.96	608.6	30.16	766.1	26.0	— 3.3	94	s.	16	7.2	.....	.....	fg.	.....	.....	0	0	dense fog	E. McGovern.
Chincoteague, Virginia	29.32	744.7	30.06	763.5	35.4	1.9	80	n.	20	8.9	.....	.....	10 s	.....	n.	0.24	6.1	cloudy	Wm. Norrington.
Cincinnati, Ohio	29.52	749.8	29.54	750 3	46.4	8.0	94	nw.	10	4.5	.....	3 c	4 k	.....	n	0.11	2.8	fair	C. F. Dickens.
Cleveland, Ohio	29.13	739.9	29.82	757.4	52.9	11.6	75	nw.	13	5.8	.....	.....	10 s	.....	w.	0.02	0.5	cloudy	L. Dunne.
Columbus, Ohio	29.02	737.1	29.80	756.9	37.0	2.8	74	ne.	6	2.7	.....	0	9 s	.....	ne.	0.43	10.9	cloudy	W. Line.
Concho, Fort, Texas	28.90	734.0	29.79	756.7	43	6.1	75	nw.	12	5.4	.....	3 ck	3 ks	nw.	nw.	0.08	2.0	fair	F. T. Williams
Custer, Fort, Montana	28.14	714.7	30.11	764.8	48.0	8.9	65	ne.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	C. E. King.
Davenport, Iowa	26.77	679.9	30.10	764.5	32.2	0.1	88	e.	7	3.1	.....	0	4 ks	.....	.....	0	0	fair	W. J. Daily.
Davis, Fort, Texas	29.42	747.3	30.10	764.5	39.0	3.9	73	ne.	10	4.5	.....	0	hz.	.....	.....	0.15	3.8	clear	R. R. Martin.
Dayton, Washington Ty	25.17	639.3	30.04	763.0	42.7	5.9	70	sw.	4	1.8	.....	0	5 s	.....	.....	0	0	fair	J. Williams.
Deadwood, Dakota	28.20	710.3	30.02	762.5	30.5	— 0.8	85	se.	2	0.9	.....	0	0	.....	.....	0	0	clear	T. Gibson.
Delaware Breakwater, Del	25.38	644.6	30.22	767.6	29.0	— 1.7	80	w.	8	3.6	.....	.....	10 s	.....	w.	0.27	6.9	cloudy	G. W. Scott.
Denver, Colorado	29.54	750.3	29.56	750.8	44.3	6.8	95	n	8	3.6	.....	2 ck	3 k	w.	w.	0.22	5.6	fair	G. A. Martin.
Des Moines, Iowa	24.71	627.6	30.15	765 8	29.7	— 1.3	93	nw.	3	1.3	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	F. M. Neal.
Detroit, Michigan	29.27	743.4	30.23	767.8	40.5	4.7	69	n.	6	2.7	.....	.....	10 s	.....	n.	0.02	0.5	cloudy	F. W. Conrad.
Dodge City, Kansas	29.12	739 0	29.87	758.7	39.1	3.9	65	nw.	8	3.6	.....	3 c	0	nw.	.....	inap.	inap.	clear	N. B. Conger.
Dubuque, Iowa	27.58	700.5	30.31	769.9	30.8	2.7	96	ne.	10	4.5	.....	.....	fg.	.....	.....	0	0	dense fog	J. E. Lamouette.
Duluth, Minnesota	29.40	746.7	30.15	765.8	40.7	4.8	71	n	4	1.8	.....	.....	10 s	.....	n.	0.05	1.3	cloudy	J. Harvey Smith
Eastport, Maine	29.61	752.1	30.40	772.1	24.0	— 4.4	77	n.	12	5.4	.....	0	0	.....	.....	0.08	2.0	clear	E. R. Brace.
Elliott, Fort, Texas	29.40	746.7	29.47	748.5	36.0	2.2	74	nw.	4	1.8	.....	.....	10 s	.....	nw.	0.04	1.0	cloudy	D. C. Murphy.
El Paso, Texas	27.34	694 4	30.17	766.3	36	2.2	92	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
Erie, Pennsylvania	26.18	665.0	29.98	761.5	37.7	3.2	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	F. Belford.
Escanaba, Michigan	28.99	736 3	29.76	755.9	36.1	2.3	89	ne.	1	0.4	.....	0	fg.	.....	.....	0	0	clear	P. Wood.
Fort Smith, Arkansas	29.58	751.3	30.29	769.4	17.0	— 8.3	83	n.	25	11.2	.....	0	2 k	.....	n.	0	0	clear	L. M. Pindell.
Galveston, Texas	29.03	752.6	30.12	765.0	50.5	10.3	72	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. B. Campbell.
Grand Haven, Michigan	30.02	762.5	30.06	762.5	66.8	19.3	68	nw.	6	2.7	.....	3 ck	3 s	sw.	nw.	0	0	fair	E. O'C. Machamara y
Grant, Fort, Arizona	29.33	745.0	30.03	762.7	36.0	2.2	74	nw.	19	8.5	.....	1 ck	4 s	nw.	nw.	0.01	0.3	fair	Joseph E. Mueller.
Hatteras North Carolina	29.52	749.8	29.54	750.3	59.6	15.3	87	calm	0	0	.....	9 k	0	.....	.....	0.08	2.0	cloudy	Chas. A. Read.
																			R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.71	653.0	30.03	762.7	31.5	— 0.3	66	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	28.88	733.5	30.36	771.1	26.0	— 3.3	90	n.	6	2.7	.....	1 c	2 s	sw.	.....	0.03	0.8	clear	S. W. Glenn.
Indianapolis, Indiana	29.08	738.6	29.92	760.0	46.0	7.8	76	n.	10	4.5	.....	0	9 s	.....	n.	0.04	1.0	cloudy	C. F. R. Wappenhans
Indianola, Texas	30.00	762.0	30.03	762.7	67.3	19.6	82	ne.	14	6.3	.....	6 k	2 s	sw.	.....	0	0	cloudy	I. A. Reed.
Jacksonville Florida	29.85	758.2	29.90	759.4	69.4	20.8	68	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. W. Smith.
Keokuk, Iowa	29.47	748.5	30.16	766.1	42.0	5.6	87	nw.	1	0.4	.....	0	0	.....	.....	0.01	0.3	clear	F. Z. Gosewisch.
Key West, Florida	30.00	762.0	30.02	762.5	76.5	24.7	84	sw.	8	3.6	.....	0	5 ks	.....	sw.	0	0	fair	J. J. Lackey.
Kittyhawk, North Carolina	29.52	749.8	29.54	750.3	53.4	11.9	85	n.	8	3.6	.....	2 ck	hz.	n.	.....	0.24	6.1	clear	Wesley Blake.
Knoxville, Tennessee	28.79	731.3	29.85	758.2	56.2	13.4	56	w.	4	1.8	.....	0	8 ks	.....	w.	0	0	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.44	747.8	30.20	768.6	36	2.2	58	n.	9	4.0	.....	0	0	.....	.....	0.15	3.8	clear	S. C. Emery.
Leavenworth, Kansas	29.28	743.7	30.22	767.6	39.5	4.2	89	n.	6	2.7	.....	.....	9 s	.....	n.	0	0	cloudy	C. Dill.
Lewiston, Idaho	29.15	740.4	30.01	762.2	35.0	1.7	78	se.	1	0.4	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.73	755.1	30.06	763.5	57.0	13.9	69	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.54	750.3	29.94	760.5	43.5	6.4	78	s.	10	4.5	.....	.....	10 s	.....	ne.	0	0	cloudy	T. S. Collins.
Louisville, Kentucky	29.27	743.4	29.86	758.4	51.0	10.6	72	w.	19	8.5	.....	.....	10 s	.....	nw.	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	28.88	733.5	29.60	751.8	52.0	11.1	86	s.	3	1.3	.....	2 k	fg.	nw.	.....	0.18	4.6	clear	Jno. Healy.
Mackinaw City, Michigan	29.46	748 3	30.16	766.1	21.0	— 6.1	70	nw.	16	7.2	.....	0	0	.....	.....	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.56	750.8	29.57	751.1	61.6	16.4	86	w.	14	6.3	.....	8 k	0	w.	.....	0	0	cloudy	William Daly.
Maginnis, Fort, Montana	25.43	645.9	30.03	762.7	30.3	— 0.9	51	ne.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	F. Burke.
Marquette, Michigan	29.60	751.8	30.37	771.4	16.8	— 8.4	87	nw.	16	7.2	.....	.....	10 n	.....	nw.	0.01	0.3	light snow	J. Gilligan.
Memphis, Tennessee	29.67	753.6	30.02	762.5	59.0	15.0	60	w.	10	4.5	.....	hz.	hz.	.....	.....	0	0	dense haze	D. T. Flannery.
Milwaukee, Wisconsin	29.33	745.0	30.12	765.0	33.8	1.0	77	ne.	21	9.4	.....	3 ck	0	n.	.....	0.09	2.3	clear	S. W. Rhode.
Mobile, Alabama	29.98	761.5	30.02	762.5	59.1	15.1	42	n.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	H. U. Jones.
Montgomery, Alabama	29.74	755.4	29.98	761.5	58.1	14.5	42	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	S. M. Leitzell.
Moorhead, Minnesota	29.35	745 5	30.43	772.9	13	—10.6	80	n.	8	3.6	.....	0	0	.....	.....	0	0	clear	H. Bessant.
Mt. Washington, N. H	23.21	589.5	29.73	755.1	20.0	— 6.7	93	nw.	20	8.9	.....	0	fg.	.....	nw.	0.03	0.8	clear	J. H. Melton.
Nashville, Tennessee	29.32	744.7	29.92	760 0	56.2	13.4	68	nw.	13	5.8	.....	0	hz.	.....	.....	0	0	clear	L. N. Jesunofsky.
New Haven, Connecticut	29.47	748.5	29.59	751.6	41.4	5.2	65	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. H. Sherman.
New London, Connecticut	29.54	750.3	29.60	751.8	45.0	7.2	60	ne.	3	1.3	.....	0	1 k	.....	.....	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	30.00	762.0	30.06	763 5	67.5	19.7	42	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	M. Herman.
New York, New York	29.42	747.3	29.60	751.8	44.5	6.9	72	n.	6	2.7	.....	.....	10k; hs	.....	n.	0	0	cloudy	W. Finn.
Norfolk, Virginia	29.58	751.3	29.62	752.3	52.1	11.2	95	n	1	0.4	.....	.....	fg.	.....	.....	0.18	4.6	dense fog	Wm. Davis.
North Platte, Nebraska	27.24	691.9	30.30	769.6	33.6	0.9	88	ne.	2	0.9	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	E. F. Brady.
Olympia, Washington T'y	30.02	762.5	30.06	763.5	38.5	3.6	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Dascomb.
Omaha, Nebraska	29.04	737 6	30.29	769.4	39.0	3.9	92	n.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	A. Pollak
Oswego, New York	29.33	745.0	29.67	753.6	35.8	2.1	90	w.	1	0.4	.....	0	hz.	.....	.....	0	0	clear	J. G. Linsley.
Palestine, Texas	29.54	750.3	30.11	764.8	53.4	11.9	53	ne.	8	3.6	.....	2 cs	3 s	w.	.....	0	0	fair	P. T. Jenkins.
Pensacola, Florida	29.97	761.2	30.00	762.0	61.2	16.2	77	nw.	5	2.2	.....	0	hz.	.....	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	29.49	749 0	29.59	751.6	47.0	8.3	86	ne.	10	4.5	.....	4 ck	hz.	nw.	.....	0	0	fair	T. F. Townsend.
Pike's Peak, Colorado	17.62	447.5	30.21	767.3	7.0	—13.9	83	sw.	25	11.2	.....	.....	10 s	.....	sw.	inap.	inap.	cloudy	H. Hall.
Pittsburg, Pennsylvania	28.80	731.5	29.65	753.1	47.0	8.3	94	nw.	6	2.7	.....	.....	10 s	.....	nw.	0.29	7.4	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	30.8	— 0.7	.....	.....	.....	.....	.....	.....	10 n	.....	.....	inap.	inap.	light snow	Geo. A. Carden.
Port Huron, Michigan	29.13	739.9	29.85	758.2	36.0	2.2	79	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Portland, Maine	29.48	748.8	29.53	750.0	41.0	5.0	66	n.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	W. W. Eichelberger.
Portland, Oregon	29.97	761.2	30.04	763.0	36.0	2.2	89	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	M. L. Hearns.
Prescott, Arizona	24.50	622.3	29.89	759.2	30.5	— 0.8	96	s.	2	0.9	.....	.....	10 n	.....	.....	0.75	19.0	light snow	N. D. Lane.
Provincetown, Mass	29.50	749.3	29.53	750.0	38.9	3.8	81	n	7	3.1	.....	3 cs	7 ks	.....	n.	0.01	0.3	cloudy	C. N. Kitchel.
Red Bluff, California	29.59	751.6	29.96	761.0	37	2.8	100	n.	4	1.8	.....	0	0	.....	.....	0.03	0.8	clear	J. R. Williams.
Rio Grande City, Texas	29.79	756.7	30.03	762.7	71.8	22.1	85	e.	8	3.6	.....	.....	10 s	.....	se.	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	29.03	737.3	29.73	755.1	34	1.1	88	w.	7	3.1	.....	5 c	sk.	w.	.....	0	0	fair	E. W. McGann.
Roseburg, Oregon	29.50	749.3	30.00	763.5	34.2	1.2	92	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. J. Naury.
Sacramento, California	29.86	758.4	29.93	760.2	43.0	6.1	94	n.	4	1.8	.....	0	0	.....	.....	0.04	1.0	clear	J. A. Barwick.
St. Louis, Missouri	29.45	748.0	30.10	764.5	45.7	7.6	85	n.	16	7.2	.....	0	sk.	.....	.....	0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.61	752.1	29.65	753.1	2	—16.7	85	n.	8	3.6	.....	0	0	.....	.....	0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.38	740.2	30.29	769.4	30.0	2.2	61	n	10	4.5	.....	7 k	0	ne.	.....	0	0	fair	P. F Lyons.
St. Vincent, Minnesota	29.57	751.1	30.51	774.9	— 3	—19.4	75	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.37	644.4	29.89	759.2	37	2.8	79	sw.	4	1.8	.....	.....	10 n	.....	.....	0.03	0.8	light snow	J. Craig.
San Diego, California	29.86	758.4	29.93	760.2	47.0	8.3	86	e.	7	3.1	.....	.....	10 n	.....	s.	0.00	1.5	light rain	F. R. Day.
Sandusky, Ohio	29.15	740.4	29.87	758.7	39.5	4.2	78	nw.	20	8.9	.....	0	3 ks	.....	nw.	0.79	20.1	clear	B. F. Hough.
Sandy Hook, New Jersey	29.57	751.1	29.60	751.8	43.3	6.3	75	ne.	12	5.4	.....	3 c	2 s	n.	.....	0	0	fair	V. P. Chappel.
Sanford, Florida	29.85	758.2	29.90	759.4	69.0	20.6	84	sw.	10	4.5	.....	0	3 s	.....	sw.	0	0	clear	J. B. Marbury
San Francisco, California	29.86	758.4	29.93	760.2	46.5	8.1	88	n.	9	4.0	.....	0	0	.....	.....	0.28	7.1	clear	N. Gorom.
Savannah, Georgia	29.72	754.9	29.81	757.2	67.4	19.7	34	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.30	668.0	30.10	764.5	27	— 2.8	77	w.	7	3.1	.....	0	0	.....	.....	inap.	inap.	clear	A. L. Mathews.
Shreveport, Louisiana	29.86	758.4	30.03	762.7	54.1	12.3	52	w.	3	1.3	.....	5 c	hz.	.....	.....	0	0	fair	E. N. Meekins.
Sitka, Alaska	29.60	751.8	29.66	753.4	37.4	3.0	79	e.	20	8.9	.....	.....	10 ks	.....	e.	0.47	11.9	cloudy	F. W. Fickett.
Smithville North Carolina	29.59	751.6	29.63	752.6	60.8	16.0	91	w	8	3.6	.....	0	hz.	.....	.....	inap.	inap.	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.87	707.9	30.00	762.0	31.0	— 0.6	88	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.34	745.2	30.06	763.5	43.0	6.1	74	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	T. B. Jennings.
Stockton, Fort, Texas	26 93	684.0	30.01	762.2	53.4	11.9	48	se.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.99	761.7	30.09	764.3	44.0	6.7	85	nw.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	R. Connor.
Thomas, Camp, Arizona	27.15	689.6	29.93	760.2	40	4.4	46	calm	.....	.....	0	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.10	739.1	29.83	757.7	41	5.0	73	n.	8	3.6	.....	3 ck	sk.	n.	.....	0.21	5.3	clear	A. Buell.
Unalashka, Alaska	29.45	748.0	29.47	748.5	28	— 2.2	88	n.	16	7.2	.....	.....	10 n	.....	.....	0.04	1.0	light snow	Samuel Applegate
Vicksburg, Mississippi	29.79	756 7	30.05	763.3	59	15.0	54	w.	1	0.4	.....	0	hz.	.....	.....	0	0	clear	F. W. Mixer.
Washington, D. C	29.47	748.5	29.59	751.6	47.8	8.8	88	nw.	3	1.3	.....	.....	10 n	.....	nw.	0.07	1.8	light rain	T. B. Harrison.
West Las Animas, Colorado	26.13	663.7	30.20	767.1	32.2	0.1	92	se.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy	F. H. Brandenburg.
Wilmington, N Carolina	29.56	750.8	29.62	752.3	62.5	16.9	73	w.	8	3.6	.....	0	hz.	.....	.....	inap.	inap.	clear	L. H. Albrecht.
Yankton, Dakota	28.94	735.1	30.33	770.4	32.1	0.1	84	n.	11	4.9	.....	.....	10 s	.....	n.	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.74	755.4	29.89	759.2	50.2	10.1	62	sw	1	0.4	.....	0	8 s	.....	sw.	inap.	inap.	cloudy	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.97	761.2	29.99	761.7	18.0	— 7.8	95	e.	1	0.4	.....	0	7 k	.....	.....	0	0	fair	George Oherutck.
Bluefields, Nicaragua, U. A.	.....	.....	.....	.....	84	28.9	.....	ne.	.....	.....	2	0	4 k	.....	ne.	0	0	fair	W. P. Jackson.
Bogota, U. S. C	21.97	558.1	.....	.....	54.5	12.5	90	sw.	2	1	.....	.....	10 pk	.....	ne.	0.134	3.4	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.71	754.6	29.80	758.4	19	— 7.2	100	s.	29	13.0	.....	.....	10 n	.....	s.	inap.	inap.	light snow	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.02	762.5	70.8	21.6	90	n.	1	0.4	.....	0	0	.....	.....	0	0	clear	Robert Johnston.
Paramaribo, S. A	30.02	762.5	30.02	762.5	77	25.0	86	e.	.....	.....	2	5 ck	5 k	e.	.....	1.800	45.7	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.42	747.3	29.98	761.5	75	23.9	89	nw.	.....	.....	1	3 ck	4 ks	calm	calm	0	0	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	.....	.....	.....	.....	75	23.9	84	ne.	.....	.....	1	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A	30.23	767.8	30.30	769.6	—15.0	—26.1	.....	n.	7	3.1	.....	1 c	1 s	n.	n.	0	0	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.00	762.0	30.01	762.2	76.3	24.6	92	n.	4.0	1.8	.....	.....	6 k	.....	n.	0.039	1.0	.....	P. Fasiani.
Naos, Bay of Panama	29.92	760.0	29.99	761.7	73.4	23.0	88	n.	.....	.....	4	.....	1 k	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.						
								Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																	
S. S. Alvo, off S int Marc, Hayti, W. I.	.....	.....	72	22.2	.....	ene.	.....	.....	2	.....	5	.....	calm	0	0	.....	.....	fair.
S. S. Arizona, N. 41° 25′, W. 57° 15′	29.61	752 1	56	13.3	.....	w.	.....	.....	3	.....	8	.....	w.	0	0	mod.	w.	fair.
S. S. Alpin, Sandy Hook, N. J	.....	.....	45	7.2	.....	nw.	.....	.....	2	.....	3?	.....	.....	.....	.....	sm'h	.....	cloudy.?
S. S. Adriatic, N. 41° 01′, W. 65° 46′ †	29.57	751.1	.....	.....	.....	w.	.....	.....	3	.....	.....	.....	wnw.	.....	.....	sm'h	nw.	cloudy.
S. S. America, N. 36° —′, W. 52° —′ *	29.85	758.2	67	19.4	69	w.	.....	.....	5	.....	3	.....	w.	0	0	cross	w.	fair.
S. S. Athos, N. 20° 38′, W. 74° 09	.....	.....	.....	.....	.....	ne.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Celtic, N. 41° —′, W. 55° 42′	.....	.....	.....	.....	.....	s.	.....	.....	6	.....	7	.....	s.	sh'rs	sh'rs	mod.	s.	squally.
S. S Donau, N. 48° 06′, W. 28° 52′	30.39	771.9	.....	.....	.....	w.	.....	.....	2	.....	10	.....	se.	4 h'r	4 h'r	light	n.	covered.
S. S. Canada, (Br) N. 40° 47′, W. 60° 40′ †	29.61	752.0	57.2	14.0	54	s.	.....	.....	2	.....	5 n	.....	s.	0	0	h'vy	sw.	cloudy.
S. S. Elysia, N. 40° 47′, W. 58° 18′	.....	.....	50	10.0	93	calm	.....	.....	0	.....	6	.....	sw.	0	0	sli't.	.....	fine.
S. S. France, N. 41° 35′, W. 47° 52′ *†	29.98	761.5	.....	.....	.....	sse.	.....	.....	4	.....	7	.....	sse	0	0	r'gh	s.	fair.
S. S. Iowa, N. 41° 58′, W. 60° 33′	.....	.....	40	4.4	.....	sse.	.....	.....	1	.....	8	.....	ssw.	1 h'r	1 h'r	long	ssw.	misty.
Schr. John Bracewell, N. 39° 11′, W. 75° 14′	.....	.....	38?	3.3?	.....	ne.	.....	.....	3	.....	5	.....	.....	4 h'r	4 h'r	.....	.....	fair.
S. S. Nurnberg, N. 45° 55′, W. 26° 54′	30.40	772.1	53.6	12	.....	n	.....	.....	3	.....	8	.....	n.	0	0	sm'h	nw.	cloudy.
S. S. Nessmore, N. 41° 25′, W. 57° 10′	.....	.....	54	12.2	87	wsw.	.....	.....	4	.....	5	.....	sw.	12 h'r	12 h'r	mod.	sw.	drizzling.
S. S. Orinoco, N. 37° 07′, W. 69° 55 †	29.55	750.6	64	17.8	.....	w.	.....	.....	4	.....	8	.....	w.	3 h'r	3 h'r	r'gh	sw;w	cloudy.
S. S. Pennsylvania, N. 39° 25′, W. 57° 40′ †	20.69	754 1	64	17.8	83	wsw.	.....	.....	6	.....	5	.....	w.	0	0	mod.	wsw.	fine.
S. S. Rhaetia, N. 41° 28′, W. 45° 40′	.....	.....	63	17.2	.....	sse.	.....	.....	6	.....	6	.....	s.	2 h'r	2 h'r	r'gh	sse.	fair.
S. S. Rugia, N. 41° 47′, W. 50° 00′	.....	.....	54	12.2	.....	s.	.....	.....	4	.....	8	.....	s.	5 h'r	5 h'r	4	s.	hazy.
S. S. Rhynland, N. 43° 41′, W. 41° 29′	30.22	767.6	60	15.6	.....	se.	.....	.....	3	.....	.....	.....	se.	0	0	cross	se.	
Bg. Rising Sun, N. 31° 30′, W. 65° 20′	.....	.....	69	20.6	.....	sw.	.....	.....	5	.....	5	.....	sw.	light	light	mod.	sw.	light rain.
S. S. State of Florida, N. 48° 08′ W. 40° 00′ *	29.03	737.3	55	12.8	.....	sw.	.....	.....	3	.....	4	.....	sw.	0	0	sli't	ne.	fine.
S. S. Salerno, N. 41° 19′, W. 52° 41′ †	29.75	755.6	56	13.3	.....	ssw.	.....	.....	4	.....	8	.....	ssw.	0	0	r'gh	ssw.	fair.
S. S. Salier, N. 45° 55′, W. 40° 24′	.....	.....	.....	.....	.....	ssw.	.....	.....	4–5	.....	3	.....	s.	0	0	sm'h	s.	fine.
S. S. Samaria, N. 42° 41′, W. 57° 56′ *	29.66	753.4	38?	3.3?	.....	wnw.	.....	.....	3	.....	8	.....	.....	4 h'r	4 h'r	.....	sse.	cloudy.
Bk. Tuck Sing, N. 25° 30′, W. 79° 56′ *†	29.98	761.5	.....	.....	.....	w.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Valencia. Puerto Cabello, Venezuela †	29.96	761.0	78	25.6	82	e	.....	.....	2	.....	1	.....	ene.	0	0	.....	.....	clear
S. S. Westernland, Jersey City, N. J.	29.62	752.3	44	6.7	76	w.	.....	.....	2	.....	5	.....	w.	0	0	.....	.....	fine.
S. S. Wieland, N. 40° 36′, W. 69° 50′	.....	.....	43	6.1	.....	nnw.	.....	.....	3	.....	5	.....	nw.	0	0	sm'h	n.	fair.
S. S. Weser, N. 53° 50′, E. 4° 05′	30.11	764.8	44.6	7.0	.....	ene.	.....	.....	3–4	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Ontario, N. 42° 31′, W. 44° 50′ *	30.00	762.0	64	17.8	94	se.	.....	.....	6	.....	10	.....	se.	2 h'r	2 h'r	mod.	s.	cloudy.
S. S. Cienfuegos, N. 22° 07′, W. 74° 23′	29.99	761.7	76	24.4	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	hazy.
S. S. Elbe, N. 49° 52′, W. 16° 00′	30.16	766.1	50.0	10.0	.....	n.	.....	.....	5	.....	5	.....	n.	0	0	mod.	n.	fair.
S. S. Frisia, N. 49° 48′, W. 12° 10′	30.05	763.3	47.8	8.8	.....	e.	.....	.....	1	.....	5?	.....	ne.	2 h'r	2 h'r	long	nw.	cloudy.?
Schr Adda Doane, N. 34° 50′, W. 74° 30′ †	29.54	750.3	.....	.....	.....	n.	.....	.....	3	.....	3	.....	wnw.	2 h'r	2 h'r	short	wsw.	clear.
S. S. Baltic, N. 47° 28′, W. 29° 57′	.....	.....	.....	.....	.....	wsw.	.....	.....	4	.....	10	.....	w.	.....	.....	mod.	w	cloudy.
S. S. Chalmette, New York, N. Y *†	29.59	751.5	43	6.1	.....	nnw.	.....	.....	4	.....	8	.....	n.	0	0	.....	.....	cloudy.
S. S. D. J. Foley, N. 32° 24′, W. 74° 20′ †	29.70	754.4	70	21.1	100	wsw.	.....	.....	6	.....	4	.....	sw.	0	0	r'gh	sw.	hazy.
S. S. Erin, N. 50° 20′, W. 2° 38′	.....	.....	53	11.7	.....	e.	.....	.....	4	.....	2	.....	e.	1 h'r	1 h'r	sm'h	.....	clear.
S. S. Grecian, Galway Bay, Ireland	30.07	763.8	44	6.7	68	s.	.....	.....	1	.....	3	.....	w.	0	0	mod.	nw.	fair.
Bg. John Wesley, Sagua la Grande, Cuba, W. I	.....	.....	.....	.....	.....	ssw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	hazy.
S. S. Lone Star, N. 33° 00′, W. 78° 24′ *†	29.64	752.8	68	20.0	.....	wsw.	.....	.....	5	.....	0	.....	.....	½ h'r	½ h'r	large	sw.	smoky
S. S. Normandie, N. 49° 30′, W. 0° 10′	.....	.....	57.2	14.0	.....	ne.	.....	.....	4	.....	5	.....	e; se.	0	0	sm'h	.....	fair.
S. S. Ohio (Am), N. 48° 25′, W. 21° 44′ †	30.29	769.4	48	8.9	100	nw.	.....	.....	1	.....	6?	.....	w	0	0	mod.	w.	clear ?
S. S. Rosse, N. 13° 13′, W. 50° 39′	29.98	761.5	76	24.4	86	e.	.....	.....	4	.....	9	.....	e.	0	0	sm'h	.....	overcast.
S. S. St. Laurent, N. 49° 52′, W. 6° 35′	29.96	761.0	47.3	8.5	.....	ne.	.....	.....	2	.....	10	.....	ne.	1 h'r	1 h'r	sm'h	e.	covered.
Bgt. Sunlight, N. 28° 05′, W. 70° 32′ *†	29.94	760.5	.....	.....	.....	w.	.....	.....	4	.....	2	.....	w.	0	0	mod.	ni.w.	clear.
Schr. Viola Reppard, N. 21° 45′, W. 79° 00′	.....	.....	80	26.7	.....	wsw.	.....	.....	2	.....	2	.....	calm	0	0	sm'h	.....	clear.
U. S. S. Kearsarge, Port Said, Egypt	29.93	760.2	67	19.4	74	n.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Lancaster, Alexandria, Egypt	29.94	760.5	66	18.9	94	nw.	.....	.....	2	.....	1	.....	nw.	.....	.....	sm'h	.....	clear.
S. Cornelius, N. 45° 51′, W. 12° 05′ †	29.94	760.5	52.2	11.2	.....	ese.	.....	.....	5	.....	8	.....	e.	0	0	long	wnw.	cloudy.
U. S. S. Alliance, Kingstown, St. Vincent, W. I.	29.98	761.5	77	25.0	82	ene.	.....	.....	3	.....	8	.....	calm	light	light	sm'h	.....	cloudy.
U. S. S. Galena, N. 17° 24′, W. 71° 17′ *	29.98	761.5	77	25.0	77	ene.	.....	.....	1	.....	5	.....	ene.	.....	.....	sm'h	.....	fair.
U. S. S. Jamestown, N. 15° 53′ W. 61° 45′	30.00	762.0	75	23.9	77	ene.	.....	.....	4	.....	2	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Portsmouth, St. Thomas, W. I.	30.00	762.0	71	21.7	95	ne.	.....	.....	1	.....	2	.....	ne.	.....	.....	.....	.....	clear.
U. S. S. Saratoga, N. 39° 17′, W. 16° 04′	29.85	758.2	52	11.1	73	nne.	.....	.....	6–7	.....	2?	.....	nne.	light	light	r'gh	n.	cloudy?
U. S. S. Swatara, N. 20° 30′, W. 84° 30′	30.02	762.5	79	26.1	82	e.	.....	.....	1	.....	2	.....	e.	0	0	sm'h	.....	fair.
U. S. S. Yantic, N. 31° 20′, W. 72° 20′	29.84	757.9	69	20.6	90	sw.	.....	.....	6	.....	10	.....	s.	.....	.....	mod.	n.	overcast.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.97	761.2	65	18.3	73	nnw.	.....	.....	1	.....	1	nnw.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Alecto, N. 5° 04, W. 1° 14′	29.83	757.7	85	29.4	.....	wsw.	.....	.....	2	.....	4	.....	.....	.....	.....	3	ssw.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.76	755.9	66	18.9	64	ssw.	.....	.....	5	.....	6	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, Suda Bay, Mediterranean	29.95	760.7	62	16.7	83	se.	.....	.....	2	.....	6	nw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Tyne, N. 35° 56′, E. 23° 21′	29.96	761.0	59	15.0	82	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky
H. P. M. S. Bengo, N. 13° 26′ W. 19° 12′	29.99	761.8	70.7	21.5	82	ene.	.....	.....	4	.....	8	.....	wsw.	0	0	4	ene.	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.80	757.0	89.2	31.8	74	sse.	.....	.....	3	.....	3	.....	se.	0	0	3	se.	d. clouds.
S. S. British Prince, N. 50° 10′, W. 18° 26′ †	30.21	767.3	52	11.1	53	nnw.	.....	.....	5	.....	6	.....	n	4 h'r	4 h'r	r'gh	nnw.	fine.
S. S. Scandinavian, Glasgow, Scotland	30.06	763.5	44	6.7	.....	w.	.....	.....	1	.....	10	.....	ene.	0	0	.....	.....	overcast
S. S. Sardinian, N. 41° 30′, W. 53° 20′	.....	.....	59	15.0	.....	s.	.....	.....	6	.....	6	.....	sw.	sh'rs	sh'rs	con.	var.	fine.
S. S. Ailsa, Jacmel, Hayti, W. I	.....	.....	86.5?	30.3?	81	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	fine.
S. S. Alps, N. 18° 21′, W. 65° 36′	.....	.....	78	25.6	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	fine.
S. S. Dorian, Valencia, Spain	29.40	746.7	.....	.....	.....	nne.	.....	.....	6	.....	10	.....	.....	24 h'r	24 h'r	.....	.....	raining.
S. S. Furnessia, N. 50° 31′, W. 32° 25′ *†	30.30	769.6	57	13.9	.....	se.	.....	.....	4	.....	10	.....	se.	8 h'r	8 h'r	long	ne.	stormy.
S. S. Galatia, N. 39° 47′, W. 9° 52′	.....	.....	.....	.....	.....	nw.	.....	.....	2	.....	2	.....	nw.	3 h'r	3 h'r	mod.	nw.	hair.
S. S. Llandaff City, N. 51° 26′, W. 13° 45′ *†	30.10	764.5	54	12.2	.....	nw.	.....	.....	4	.....	9	.....	w.	0	0	long	nw.	cloudy.
S. S. Bothnia, N. 40° 34′, W. 60° 03′	.....	.....	62	16.7	.....	calm	.....	.....	0	.....	8	.....	nw.	2 h'r	2 h'r	sm'h	.....	raining.
S. S. Westphalia, Hamburg, Germany	.....	.....	.....	.....	.....	se.	.....	.....	2	.....	4	.....	se.	1 h'r	1 h'r	.....	.....	hair.
S. S. Virginian, N. 41° 32′, W. 51° 42′	.....	.....	51	10.6	.....	sse.	.....	.....	4	.....	.....	.....	ssw.	0	0	sli't	ssw.	fine.
S. S. Hevelius, N. 26° 05′, W. 21° 36′	.....	.....	67	19.4	.....	ne.	.....	.....	5	.....	4	.....	ne.	0	0	long	nne.	clear.
S. S. Archimede, (It.) N. 38° 52′, E. 0° 54′ †	29.39	746.5	60	15.6	.....	ne.	.....	.....	3	.....	8	.....	ene.	4 h'r	4 h'r	r'gh	nne.	cloudy.
S. S. Picqua, Palermo, Sicily	.....	.....	63	17.2	83	se.	.....	.....	7	.....	.....	.....	se.	0	0	.....	.....	cloudy.
S. S. City of Merida, N. 23° 09′, W. 82° 22′	.....	.....	75.2	24.0	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	light	.....	fine.
S. S Italy, N. 41° 38′, W. 45° 05′ *	29.97	761.2	64	17.8	94	se.	.....	.....	6	.....	8	.....	sse.	0	0	r'gh	se.	cloudy
S. S. Muriel, N. 20° 40′, W. 63° 40′	30.09	764 3	76	24.4	.....	e.	.....	.....	2	.....	0	.....	.....	0	0	mod.	.....	clear.
S. S. Pennland, Antwerp, Belgium	.....	.....	49	9.4	85	ne.	.....	.....	1	.....	3	.....	ese.	0	0	.....	.....	hair.
S. S. Waesland, N. 46° 20′, W. 32° 05′	30.46	773.7	55	12.8	.....	wsw.	.....	.....	4	.....	8	.....	w.	0	0	long	nw.	cloudy.
S. S. Amsterdam, N. 48° 34′, W. 19° 56′	.....	.....	.....	.....	.....	ne.	.....	.....	6	.....	6	.....	ne.	0	0	cross	ne.	hazy.
S. S. Saxon, Philadelphia, Pa	.....	.....	46	7.8	.....	nne.	.....	.....	2	.....	4	.....	ne.	0	0	.....	.....	fine.
S. S. Republic, Kinsale, Ireland	.....	.....	46	7.8	84	ene.	.....	.....	3	.....	5	.....	ne.	0	0	sm'h	.....	d. clouds.
S. S. Lepanto, N. 34° 48′, E. 20° 01′	29.92	760.0	61	16.1	.....	.....	.....	.....	2	.....	1	.....	e.	0	0	sm'h	.....	clear.
S. S. Marengo, Grinsby Roads, Eng †	30.00	762.0	46	7.8	.....	ene.	.....	.....	3	.....	2	.....	ne.	.....	.....	sm'h	.....	clear.
Bg. Alcira, N. 35° 29′, W. 70° 30′	.....	.....	59	15.0	65	nnw.	.....	.....	5–6	.....	4	.....	nw.	1 h'r	1 h'r	mod.	sw.	fine.
Schr. Arthur Burton, Ponce, Porto Rico, W I	.....	.....	.....	.....	.....	ne.	.....	.....	1	.....	1	.....	ne.	0	0	sm'h	.....	fine.
Schr. Annie R. Lewis, N. 37° 00′, W. 71° 04′ †	29.52	749.8	61	16.1	.....	wnw.	.....	.....	3	.....	9	.....	n.	2 h'r	2 h'r	h'vy	wsw.	cloudy.
Schr. Anna A. Holton, N. 39° 19′, W. 73° 33′	.....	.....	58?	14.4?	.....	ene.	.....	.....	4	.....	5	.....	e.	0	0	sm'h	ne.	hair.
Bk. Aureola, N. 38° 50′, W. 46° 47′ †	30.08	764.0	65	18.3	89	sse.	.....	.....	6	.....	8	.....	sse.	0	0	h'vy	e.	cloudy.
Bg. Abbie Clifford, N. 16° 38′, W. 59° 43′ †	30.04	763.0	76	24.4	.....	ne.	.....	.....	4	.....	5	.....	e.	.....	.....	light	se.	fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	29.95	760.7	78	25.6	.....	calm	.....	.....	0	.....	5?	.....	ene.	0	0	.....	.....	clear.?
S. Annie, Bayonne, N. J*	29.54	750.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. Abbie H. Gheen, N. 34° 05′, W. 77° 00′ *†	29.65	753.1	64	17.8	.....	w.	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Alpha, N. 18° 12′, W. 49° 15′ *†	30.02	762.5	75	23.9	.....	e.	.....	.....	5	.....	5?	.....	e	1 h'r	1 h'r	sm'h	.....	cloudy.?
Bk. Bore, N. 6° 50′, W. 25° 00′	.....	.....	80	26.7	.....	ne	.....	.....	3	.....	3	.....	n.	0	0	sm'h	n.	hair.
S. S. Bracadalle, N. 36° 20′, E. 13° 48′ *	29.70	754.4	64	17.8	.....	wnw.	.....	.....	4	.....	2	.....	wnw.	0	0	light	ene.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana	.....	.....	80	26.7	.....	e.	.....	.....	4	.....	9	.....	e.	6 h'r	6 h'r	.....	.....	cloudy.
Bk. Cato, N. 39° 40′, W. 10° 35′ †	29.66	753.4	57	13.9	81	nnw.	.....	.....	2	.....	2	.....	nnw.	0	0	mod.	nnw.	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bk. C. S. Bushnell, N. 36° 35′, W. 2° 18′	29.61	752.1				sw.			8		2		sw.	0	0	r'gh	sw.	clear.
S. David Stewart, N. 35° 26′, W. 75° 18′			52	11.1		w.			8		10?		nw.	0	0	r'gh	nw.	clear.?
S. E. B. Sutton, N. 42° 12′, W. 28° 56′ *†	30.47	773.9	56	13.3	81	n			3		4		n.	0	0	mod.	nw.	fair.
Bk. Esmeralda, N. 57° 49′, W. 11° 19′	29.92	760.0				nw.			2		9		wnw.	2 h'r	2 h'r			
U. S. Fish. Com. S. S. Fish Hawk, Kings Ferry, Fla†	29.84	757.9	60	15.6		calm			0		0			0	0			clear.
Bg. George, N. 17° 50′, W. 66° 10′ *†	30.05	763.3				e.			1		2			0	0	sm'h		clear.
S. Grecian, N. 23° 08′, W. 49° 35′			74	23.3	72	se.			2		6		se.	0	0	sm'h	nnw.	fair.
Bk. Galeon, N. 15° 16′, W. 32° 05′			73	22.8		ene.			5		5		ene.	0	0		ene.	
Bk. Heinrich & Tonio, N. 41° 08′, W. 53° 30′ *†	29.66	753.4	62	16.7	83	sw.			3		5		sw.	14 h'r	14 h'r	mod	sw.	clearing.
Bk. Hattie G. McFarland, Aspinwall, U.S.C			78	25.6		one			4		6		ne.	0	0			
S. Henry Failing N. 35° 44′, W. 41° 15′			66	18.9	84	se.			7		10		se.	15 h'r	15 h'r	mod.	se.	raining.
Schr. Jeanie N. Huddell, N. 37° 30′, W. 75° 10′			50	10.0		nne.			7		0			2 h'r	2 h'r	long	se.	hazy.
Bg. John Welsh, jr, N. 16° 01′, W. 62° 58′†	29.97	761.2				ese.			4									
Schr. John Bird, Zaza, W.I*†	30.00	762.0				ne.			1		0			0	0			clear.
Bg. L. & W. Armstrong, Mayaguez, Porto Rico, W.I†	29.96	761.0				calm			0		0			0	0			fine.
Lighthouse Tender Laurel, Pensacola, Fla			65	18.3		nw.			2–3		0			0	0			clear.
S. S. Madrid, N. 35° 50′, W. 42° 23′†	30.15	765.8	64	17.8	89	sse.			5		6		ssw.	16 h'r	16 h'r	mod.	sse.	fair.
Schr. Maggie Abbott, N. 25° 30′, W. 73° 40 *†	29.90	759.4				w.			3		0			0	0	mod.	n.	clear.
S. S. Mendoza, N. 9° 12′, W. 44° 14′						ene.			3				ene.	2 h'r	2 h'r	sm'h	ne.	clear.
Bk. Rosalie, N. 31° 46′, W. 25° 01′ *†	30.18	766.6				n.			5		3		n.	1¾ h'r	1¾ h'r	mod.	nnw.	clear.
Bkt. Rosebud, N. 45° 47′, W. 12° 10′*	29.94	760.5	59	15.0		nne.			6		5		ne.	2 h'r	2 h'r			
S. Salisbury, N. 49° 09′, W. 63° 04′	29.52	749.8	51.3	10.7	87	sse.			1–2		10 kn		var.	3 h'r	3 h'r	long	sse.	cloudy.
Bk. Saga, N. 32° 21′, W. 77° 03′ †	29.64	752.9	73	22.8							4		wsw.	0	0	6	var.	clear.
Bk. Sunbeam, Lisbon, Portugal†	29.64	752.8	60	15.6	88	wsw.			6		5		wsw.	1 h'r	1 h'r			fair.
S. Stephen D. Horton, N. 44° 20′, W. 34° 10′ †	30.36	771.1				ssw.			3		4		wsw.	0	0	mod.	n.	clear.
Bk. Silica, N. 59° 50′, W. 5° 30′ *	30.00	762.0				ssw.			6		8		s.	hail	hail	long	w.	cloudy.
S. Tsemogorn, N. 38° 57′, W. 64° 44′*†	29.47	748.5				sw.			5		9		sw.	rain	rain	short	sw.	cloudy.
Bk. Tros, N. 20° 19′, W. 48° 27′			75	23.9		ese.			2		7		e.	0	0	sm'h	ene.	
S. Vincenzo Accame, N. 34° 20′, E. 26° 02′ †	29.89	759.3	62.6	17		w.			3		0			0	0	sm'h		
Bk. Idaho, N. 36° 30′, W. 72° 58′ *†	29.54	750.3				n.			3		4		wnw.	1 h'r	1 h'r	r'gh	sw.	fair.
Bk. Horace Scudder, Gaboon river, Guinea			89	31.7		sw.			2		2		sw.	0	0			clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, South Africa	29.75	755.6	74	23.3	63	wnw.	11	4.9			0			0	0	sm'h		clear.
U. S. S. Pensacola, S. 10° 38′, W. 14° 15′ †	29.98	761.5	81	27.2	74	ene.			2		2		calm	0	0	sm'h		clear.
H. M. S. Amethyst, Montevideo, Uruguay	29.90	759.4	67	19.4	74	ese.			2		9		ne.					overcast.
H. M. S. Boudicea, S. 16° 55′, E. 11° 41′	29.82	757.4	67	19.4	89	s.			2		2		sse.			4	sse	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	29.92	760.0	73	22.8	72	calm			0		1		calm					blue sky.
H. M. S. Sylvia, S. 36° 18′, W. 50° 16′	29.96	761.0	69.7	20.9	79	se.			3		9		nw.			3	n.	d. clouds.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.87	758.6	77.2	25.1	76	nw.			2		3			0	0	2		blue sky.
S. S. Strassburg, S. 35° 03′, W. 50° 20′	30.03	762.7	67.0	19.4	74	e.			3–4		9		e.	0	0	2	e.	cloudy.
Bk. Adelaide, S. 12° 13′, W. 34° 30′ *†	29.94	760 5	80	30.0		ese.			5		1		e.	0	0	mod.	ese	clear.
Bk. Achille F., S. 8° —′, W. 31° —′*†	29.91	759.7	80.5	20.9	91	se.			1		8		e.	3 h'r	3 h'r	light	sse.	squally.
S. Frank N. Thayer, S. 10° 01′, W. 26° 45′*†	29.93	760.2	84	28.9	75	ese.			5		8 ks		ese.	0	0	light	se.	d. clouds.
S. Gatherer, S. 14° 12′, W. 33° 10′†	29.94	760.5	82	27.8	91	se.			3		1		se.	0	0	mod.	se.	clear.
S. Ismir, S. 2° 40′, W. 33° 50′ *†	29.78	756.4				calm			0		5		n.	rain	rain		ese.	fair.
Bkt. Levanter, S. 19° 50′, W. 38° 18′*	30.06	763.5	83	28.3		ese.			2		5		se.	2 h'r	2 h'r	h'vy	se.	hazy.
U. S. S. Shenandoah, Montevideo, Uruguay*	30.02	762.5	68	20.0	84	ese.			3		10		calm					cloudy.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.95	760.7	45	7.2	68	n.			3		8		w.	0	0			cloudy.
U. S. S. Alert, Shanghai, China	30.10	766.1	50	10.0	86	sse.			2		10		sse.					cloudy.
U. S. S. Essex, N. 31° 11′, E. 148° 21′	29.98	761.5	60	15.6	76	wnw.			3		2					sm'h		fair.
U. S. S. Juniata, Roze Island, Corea	30.17	766.3	43	6.1	92	sw.			3		5			0	0			fair.
U. S. S. Palos, Shanghai, China	30.13	765.3	48	8.9	100	se.			1		8		calm					fair.
H.M.S. Audacious, Hong Kong, China	30.01	762.2	63	17.2	83	e.			2		10		e.					misty.
H. M. S. Cleopatra, N. 25° 25′, E. 119° 57′	30.09	764.3				nne.			0							5		
H. M. S. Champion, Shanghai, China	30.10	764.5	54	12.2	74	e.					4							d. clouds.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	30.12	765.0	53.5	12.1	83	ne.			3		5					1	se.	misty.
H. P. M. S. Tamega, Macao, China	30.06	763.4	68.0	20	80	e.			4		7			0	0	1–2		gloomy.
U. S. S. Monocacy, Canton, China	30.00	762.0	65	18.3	84	ese.			2		10		ese.					cloudy.
S. S. Newbern, N. 35° 35′, W. 121° 22′			53	11.7	68	nw.			3		4		nw.	0	0	h'vy	wnw.	fair.
S. S. Arabic, N. 34° 18′, E. 146° 06′ *†	30.04	763.0	54	12.2	87	ene.			4		5		ne.	0	0	mod	ene.	d. clouds.
S. S. City of Chester, Eureka, Cal.†	29.97	761.2	43	6.1	100	calm			0		fg.			0	0			
S. S. Oregon, San Francisco, Cal††	29.94	760.5	46	7.8		n.			2									clear.
S. S. Alameda, Honolulu, Sandwich Ids†	30.07	763.8	72	22.2	95								ne.	0	0			hazy.
S. S. Ancon, Point Fermin, Cal.†	29.89	759.2	47	8.3	85	sw.			2		10		w.	8 h'r	8 h'r			cloudy.
S. S. State of California, N. 38° 57′, W. 124° —†′	29.93	760.2	46	7.8	92	nw.			2		0					long	w.	clear.
S. S. Australia, N. 0° 31′, W. 166° 46′	30.04	763.0	78	25.6	91	var.			3		0			0	0	sm'h		clear.
S. S. City of Pekin, Hong Kong, China†	30.02	762.5	63	17.2	84	ene.			4		10		ene.	0	0			overcast.
S. S. City of Tokio, N. 31° 08′, W. 149° 30 †	30.32	770.1	65	18.3	84	se.			4		10					sm'h		cloudy.
S. S. Granada, Panama, Panama†	29.92	760.0	74	23.3	90	nw.			1		5		nw.	0	0			fair.
S. S. San Blas, San Jose, Guatemala†	29.88	758.9	79	26.1	91	calm			0		2		calm	0	0	sm'h	sse.	clear.
S. S. San José, N. 33° 00′, W. 119° 00′ †			59	15.0	94	w.			4		3		w.	1 h'r	1 h'r	long	w.	squally.
S. S. Benalder, Hong Kong, China	30.01	762.2	74	23.3	86	e.			3–4		0	s.	e.	0	0			cloudy.
S. S. Port Phillip, N. 21° 01′, E. 117° 14′	30.12	765.0	78?	25.6?	100	ne.			3							r'gh	e.	clear.
U. S. S. Richmond, Blenheim Beach, China	30.04	763.0	65	18.3	100	e.			2		10		e.	4.3	109.			cloudy.
S. S. Oceanic, N. 34° 59′, E. 139° 44′	30.04	763.0	47	8.3	70	n.			2		6		n.	0	0	3	e.	fair.
District No. 4—South Pacific.																		
U. S. S. Pinta, Talcahuano, Chili	30.09	764.3	56	13.3	94	n.			1		5		n.					fair.
U. S. S. Wachusetts, Valparaiso, Chili	30.04	763.0	55	12.8	94	calm			0		0					sm'h		clear.
H. M. S. Espeigle, S. 33° 40′, E. 161° 23′	30.34	770.6	70	21.1	01	ne.			2		5					2	ne.	d. clouds.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	30.02	762.5	58	14.4		calm			0		10					sm'h		overcast.
H. M. S. Lark, S. 21° 57′, E. 193° 14′	29.93	760.2	73.3	22.9	88	e.			0		7					5	e.	showery.
H. M. S. Mutine, Callao, Peru	29.91	760.5	73	22.8		calm			0		10							overcast.
H. M. S. Sappho, S. 22° 03′, W. 70° 15′	30.00	763.5	65	18.3	95	s.			2		2	s.				2	s.	misty.
S. S. City of Sydney, S. 34° 12′, E. 165° 50′*†	30.35	770.9	70	21.1	75	ne.			3		2 k		ne.			light	ne.	clear.
U. S. S. Onward, Callao Bay, Peru *†	30.02	762.5	72	22.2	95	s.			1		10		s.			long	w.	cloudy.
U. S. S. Iroquois, S. 27° 44′, W. 71° 24′	29.99	761.7	66	15.6	88	s.			4		10					sm'h		cloudy.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	72	22.2	90	calm			0		10							cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.92	760.0	84	28.9	75	wnw.			3		2							fair.
H. M. S. Magpie, S. 9° 17′, E. 102° 40′	29.85	758.2	81.5	27.5	83	sse.			2		0					5	sse.	blue sky.
H. M. S. Myrmidon, Daedalus Reef, Red Sea	29.80	756.9	81	27.2	60	calm			0		0							blue sky.
H. M. S. Tourmaline, S. 7° 00′, E. 40° 58′	29.88	758.9	85	29.4	87	sse.			1		0							blue sky.
S. J. W. Gildemeister, S. 6° 10′, E. 105° 44′	29.90	759.4				wsw.			2		8 k			½ h'r	½ h'r			gloomy.
S. Orcalla, S. 2° 07′, E. 80° 00′*	29.83	757.7				sw.			3		5		sw.	0	0	sm'h	se.	fair.

International Chart I. March 29, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 30, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.65	753.1	63.3	17.4	59	se.	.....	.....	2	.....	6	.....	.....	0	0	cloudy	Koziere.
Algiers	.....	.....	29.56	750.8	64.8	18.2	60	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.59	751.6	69.4	20.8	72	nne.	.....	.....	1	.....	2	.....	.....	0	0	fair	Fonfréde.
Tunis	.....	.....	29.66	753.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.74	755.3	46.4	8.0	72	s.	.....	.....	4	.....	1	.....	.....	0.157	4.0	very fair	Forfert.
Laghouat	.....	.....	29.72	754 8	68.4	20.2	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.65	753.2	68.4	20.2	66	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.23	767.8	65.0	18.3	63	e.	13	5.8	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.11	764.8	30.30	769.6	58.5	14.7	89	n.	5	2.2	.....	.....	8	.....	nnw.	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	30.17	766.3	30.26	768.6	60.9	16.1	77	s.	4	1.8	.....	.....	10	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.31	744.4	29.85	758.2	57.7	14.3	39	ne.	.....	.....	2	.....	7	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.18	741.2	29.95	760.8	49.3	9.6	59	e.	12.5	5.6	.....	.....	8	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.06	738.2	29.95	760.7	47.8	8.8	65	n.	.....	.....	2	.....	9 ks	.....	...	0.024	0.6	.....	Julius Mikolik.
Gratz	28.72	729.6	29.97	761.3	54.5	12.5	48	se.	.....	.....	2	.....	5	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.45	722.7	29.88	758.9	54.5	12.8	73	s.	.....	.....	4	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.30	721.2	29.72	754.8	54.9	12.7	59	e.	.....	.....	4	.....	0	.....	.....	0	0	clear	The Staff.
Lemberg	29.00	736.7	30.01	762.3	43.5	6.4	73	e.	.....	.....	2	.....	10	.....	.....	0.008	0.2	.....	Dr. T. Stanecki.
Pola	29.70	754.3	29.83	757.7	56.5	13.6	76	ese.	.....	.....	4	.....	10	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.41	746.9	29.87	758.7	51.3	10.7	69	n.	.....	.....	2	.....	7	.....	.....	0.024	0.6	.....	Joseph Midlussky, S. J
Szegedin	29.59	751.6	29.87	758.7	53.2	11.8	74	s.	.....	.....	1	.....	8	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.74	755.5	29.84	758.0	62.6	17.0	36	e.	.....	.....	3	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.19	741.4	29.90	759.5	56.1	13.4	48	se.	.....	.....	2	.....	2	.....	.....	0	c	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.35	720 2	29.72	755.0	54.3	12.4	56	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....
Brussels	29.57	751.1	29.77	756.2	50.9	10.5	57	ese.	.....	.....	1	3	.....	sw.	.....	0	0	.....	.....
Furnes	29.74	755.5	29.76	756.0	52.9	11.6	71	nw.	.....	.....	1	.....	1	.....	.....	0	0	.....	.....
Maeseyck	29.67	753.7	29.80	756.9	56.3	13.5	64	e.	.....	.....	1	.....	2	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.70	754.4	29.80	756.9	44.0	6.7	62	s.	16	7.2	.....	.....	6	.....	.....	0.100	2.5	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.81	757.2	43.8	6.6	64	se.	9	4.0	.....	.....	10	.....	.....	.....	.....	overcast	John Hartnup.
Bolton, Sharples	29.26	743.2	29.80	756.9	41.6	5.3	66	s.	.....	.....	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.38	746.2	29.78	756.4	42.1	5.6	74	e.	.....	.....	2	.....	10	.....	.....	0	0	overcast	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.95	760.7	29.98	761.5	81	27.2	74	e.	.....	.....	5	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	48.6	9.2	67	ne.	.....	.....	0.4	.....	8	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E	29.62	752.3	29.79	756.7	53.1	11.7	73	calm	.....	.....	0	.....	5	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.61	752.1	29.84	757.9	45.8	7.7	69	se.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.66	702.6	29.97	761.2	84.0	28.9	42	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.60	751.8	29.64	752.8	44	6.7	84	se.	.....	.....	4	.....	6	.....	.....	0.09	2.3	threatening	Wm. Ryan.
Gibraltar, Mediterranean	29.63?	752.6?	29.73?	755.1?	54.4	12.4	91	sw.	.....	.....	4	.....	10	.....	.....	.....	.....	raining	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.62	752.3	29.80	756.9	47.5	8.6	78	n.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.50	749.3	29.81	757.2	45.0	7.2	92	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	A. Collenette, F.R.M.S
Kew, Observatory	29.76	755.9	29.80	756 9	46.2	7.9	73	ne.	4	1.8	.....	.....	5	.....	.....	.....	.....	misty	The Staff.
Leicester, Museum	29.55	750.6	29.81	757.2	45.0	7.2	68	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.54	750.3	29.61	752.1	64.8	18.2	76	sw.	.....	.....	3	.....	4	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.97	761.2	30.02	762.5	77.2	25.1	60	nw.	.....	.....	3	.....	2	.....	.....	.....	.....	blue sky	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.58	751.3	29.81	757.2	45.3	7.4	76	n.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.72	754.9	29.80	756.9	50.0	10.0	61	calm	.....	.....	0	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.62	752.3	29.72	754.9	43	6.1	69	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.91	759.7	29.98	761.5	53.2	11.8	77	n.	.....	.....	2	.....	10	.....	.....	.....	.....	misty	W. H. Lyne.
Sheffield	29.53	750.0	29.82	757.4	46.2	7.9	58	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	29.75	755.6	29.78	756 4	42.0	5.6	83	se.	.....	.....	1	.....	10	.....	.....	0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.82	757.4	40.3	4.6	71	se.	2	0.9	.....	.....	10	.....	.....	0	0	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	47.4	8.6	79	n.	.....	.....	0.5	.....	10	.....	.....	.....	.....	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.69	754.1	29.72	754.9	47.7	8.7	74	sw.	30	13.4	.....	.....	10	.....	.....	blank	blank	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.41	747.0	29.80	756.9	61.5	16.4	69	w.	11.2	5.0	.....	0	0	.....	.....	0	0	misty	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.78	756.4	29.90	759.4	64.9	18.3	96	e.	16	7.2	.....	.....	10 k	.....	sse.	0	0	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	29.41	747.0	29.46	748.3	28.0	— 2.2	.....	nw.	12.5	5.6	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.25	742.9	29.30	744.2	32	0.0	96	nw.	8	3.6	.....	.....	10 n	.....	.....	0	0	cloudy	H. J. Cundall, C. E
Chatham, N. B*	29.33	745.0	29.39	746.5	32	0.0	100	nw.	12	5.4	.....	.....	10 n	.....	nw.	0.05	1.3	light snow	G. A. Blair.
Cornwall, Ontario	29.90	759.4	30.12	765.0	7.3	—13.7	95	n.	.....	.....	3	0	8 s	.....	.....	0.100	2.5	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	29.48	748.8	29.54	750.3	22.0	— 5.6	.....	w.	.....	.....	3	.....	10 s	.....	.....	0.050	1.3	overcast	H. A. Johnson.
Father Point, Quebec*	29.67	753.6	29.70	754.4	13	—10.6	87	nnw.	30	13.4	.....	.....	10 n	.....	.....	.....	.....	heavy snow	J. McWilliams
Fort Garry, Manitoba*	29.34	745.2	30.25	768.3	12	—11.1	91	e.	1	0.4	.....	.....	10 n	.....	W.	0.40	10.2	hazy	James Stewart.
Fredericton, N. B	29.42	747.3	29.49	749.0	25.0	— 3.9	81	nw	15	6.7	.....	.....	10 n	.....	.....	0	0	snowing	Dr. Thos. Harrison.
Grand Manan, N. B	29.39	746.5	29.44	747.8	27	— 2 8	88	n.	22	9.8	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	J. Chipman Seeley
Granton, Ontario	29.20	741.7	30.39	771.9	19.4	— 7.0	94	nw.	5	2.2	.....	.....	10 ks	.....	n.	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.20	741.7	29.33	745.0	36	2.2	89	nw.	6	2.7	.....	0	0	.....	.....	0	0	cloudy	A. Allison.
Hamilton, Ontario	29.88	758.9	30.32	770.1	24.7	— 4.1	74	nw.	.....	.....	1	10 k	0	nw.	.....	0	0	blue sky	Geo. Dickson, B. A.
Kingston, Ontario*	29.85	758.2	30.32	767.6	11	—11.7	87	n.	12	5.4	.....	0	0	.....	.....	0	0	fair	A. P. Knight, M. A.
Little Grace Bay, N. S	29.40	746 7	29 44	747.8	35.5	1.9	85	sw.	3	1.3	.....	10 k	0	n.	.....	0	0	overcast	C. H. Rigby.
London, Ontario	29.42	747.3	30.32	770.1	20.8	— 6.2	56	n.	.....	.....	2	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27 61	701.3	29.95	760.7	33	0.6	92	sw.	2	0.9	.....	.....	0	.....	.....	0	0	d. clouds	John Ewart.
Minnedosa, N. W. T	28.09	713.5	30.12	765.0	23	— 5.0	100	e.	10	4.5	.....	.....	10 n	.....	.....	0	0	heavy snow	Rev. J. M. Wellwood
Montreal, Quebec*	29.83	757.7	30.00	763.5	6	—14.4	80	nw.	20	8.9	.....	.....	10 n	.....	e.	0.05	1.3	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.93	760.2	30.17	766.3	8.6	—13.0	94	nnw.	.....	.....	.....	.....	10 s	.....	.....	0.01	0.3	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.63	752.6	30.40	772.1	10	—12.2	80	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.45	748 0	30.25	768.3	14.0	— 9.7	75	n.	.....	.....	4	0	0	.....	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.72	754.9	30.48	774.2	17	— 8.3	91	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	W. P. Cooke.
Port Dover, Ontario	29.60	751.8	30.35	770.9	21	— 6.1	86	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.68	753.9	30.33	770.4	22	— 5.6	91	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27.62	701.5	29.96	761.0	30	— 1.1	.....	se.	3	1.3	.....	.....	10 n	.....	calm	0	0	cloudy	Leslie Gordon.
Quebec, Quebec*	29.43	747.5	29.82	757.4	10	—12.2	80	w.	16	7.2	.....	10 cs	0	.....	.....	0	0	cloudy	Capt. Asne, R. N.
Rockliffe, Ontario*	29.79	756.7	30.30	769.6	6	—14.4	91	nw.	25	11.2	.....	0	0	w.	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.40	746.7	29.45	748.0	26	— 3.3	90	nnw.	7	3.1	.....	.....	0	.....	.....	0	0	cloudy	
St. John, N. B	29.35	745.5	29.40	746.7	31.0	— 0.6	91	nw.	24	10.7	.....	.....	10 n	.....	.....	inap.	inap.	overcast	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.37	746.0	38.5	3.6	.....	s.	.....	.....	3	.....	10 n	.....	.....	.....	.....	.....	The Commandant.
Sarnia, Ontario*	29.63	752.6	30.41	772.4	18	— 7.8	91	n.	16	7.2	.....	0	0	.....	.....	0	0	clear	
Stratford, Ontario	29.02	737.1	30.39	771.9	19.1	— 7.2	64	w.	9	4.0	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper 0–10	Lower 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill	Weather.	Observers
Canadian.—Continued.																			
Sydney, C. B	29.04	737 6	29.10	739.1	33	0.6	96	n.	8	3.6	.....	.....	10 n	.....	.....	0.39	9.9	light rain...	**T. C. Hill, C.E.**
Toronto, Ontario*	29.94	760.5	30.35	770.9	19	— 7.2	58	nw.	23	10.3	.....	0	0	.....	.....	0	0	clear.....	**Magnetic Observatory.**
Woodstock, Ontario	29.25	742.9	30.40	772.1	20.7	— 6.3	60	nw.	15	6.7	.....	0	0	.....	.....	0	0	blue sky	**Prof. N Wolverton, M.A.**
Yarmouth, N.S*	29.33	745.0	29.40	746 7	34	1.1	92	n.	12	5.4	.....	.....	10 s	.....	n.	Imap.	Imap.	light snow..	**Lt. F. E. Wilmot, R. N.**
Cape Colony.																			
Cape St. Francis Lt.House	29.98	761.5	30.01	762.2	65.5	18.6	97	sw.	.....	.....	.....	0	5 k	.....	.....	0	0	fine.....	**I. Garfelt.**
Cape Town, The Castle	29.94	760.5	.....	.....	71.0	21.7	50	sw.	.....	.....	.....	1 c	0	.....	.....	0	0	....	**Capt. R. Gardner Warton**
Springbok Fontein	27 93	709.4	.....	.....	87	30.6	47	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	**J. T. Eustace**
"Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Niebla	29.67	753.7	29.78	756.4	46.8	8.2	97	e.	.....	.....	2	.....	8	.....	e.	0	0	misty.....	**Rafael Moreno.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Quiriquina	.....	.....	.....	.....	54.7	12.6	86	s.	.....	.....	2	0	.....	.....	.....	0	0	clear.....	**Francisco Alvarado.**
Valparaiso	29.82	757.5	29.97	761.1	58.1	14.5	90	nw.	.....	.....	1	0	0	.....	.....	.....	.....	clear.....	**Leon Herrera.**
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.06	763.4	30.08	764.0	44.4	6.9	90	ese.	16.1	7.2	.....	.....	10 n	.....	.....	0.043	1.1	raining.....	**M. Marc Dechevrens, S. J**
Danish.																			
Copenhagen	30.04	763.1	30.09	764.3	41.2	5.1	85	ese.	16	7.	.....	.....	2	.....	.....	.....	.....	.....	**Oversergent Fischer.**
Fanöe	29.94	760.4	29.96	760.9	46.9	8.3	70	ese.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	**Overloerer Lauridsen.**
Godthaab, Greenland	30.06	763.6	30.11	764.7	29.1	— 1.6	96	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	**S. Kleinschmidt.**
Ivigtut, Greenland	30.03	762.7	30.05	763.2	24.1	— 4.4	.....	s.	.....	.....	2-4	.....	10	.....	.....	.....	.....	.....	.....
Stykkisholm, Iceland	29.91	759.8	29.99	760.9	37.4	3.0	81	ne.	.....	.....	8	.....	5	.....	.....	.....	.....	.....	**A. O. Thorlacius.**
Thorshavn	29.78	756.3	29.80	756 9	45.7	7.6	73	se.	18	8.	.....	.....	5	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	30.26	768.7	30.31	769.9	0.1	—17.7	.....	e.	.....	.....	2	.....	9	.....	.....	.....	.....	snowing.....	.....
Vestervig	29.92	759.9	30.01	762.2	39.0	3.9	85	e.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
Egyptian.																			
Cairo	29.83	757.7	.....	.....	72.5	22.5	.....	ne.	4.9	2.2	.....	.....	0	.....	.....	0	0 •	.....	**Albert Ismalun, Dir.**
French.																			
Agen, Normal School	29.11	739.4	29.75	755.7	60.4	15.8	52	se.	.....	.....	1	.....	9 cn	.....	.....	0	0	.....	**M. Labroue, Director.**
Alençon, Normal School	29.08	738.6	25 63	752 6	53.2	11.8	90	e.	.....	.....	1	.....	2	.....	w.	0	0	slightly cl'dy	**M. Nicot, Director.**
Arras, Normal School	29.48	748.8	29.63	752 7	57.2	14.	44	ne.	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	**M. Ungerer, Director.**
Avignon, Normal School	29.59	751 5	29.67	753.5	63.7	17.6	40	n.	.....	.....	1	.....	2	.....	se.	0	0	cloudy.....	**M. Giraud, Director.**
Bar-sur-Seine	29.15	740 3	29.70	754.3	54.1	12.3	51	e.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	**M. Saillard, Director.**
Beauvais, Normal School	29.50	749 3	29.76	756.0	55.0	12.8	47	e.	.....	.....	2	.....	2	.....	.....	0	0	slightly cl'dy	**M. Frère Eugène Marie.**
Besançon, Normal School	28.73	729.8	29.61	752.2	61.5	16.4	49	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	**M. Gobin, Director.**
Bordeaux, Observatory	29.42	747.2	29.68	753.8	61.3	16.3	54	e.	.....	.....	1	.....	10	.....	.....	0	0	covered.....	**M. Rayet, Director.**
Bourges, Normal School	29.18	741.1	29.72	754.8	62.6	17.0	40	n.	.....	.....	2	.....	2	.....	n.	0	0	slightly cl'dy	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.61	752.1	29.85	758.3	49.6	9.8	81	ne.	.....	.....	4	.....	10	.....	ne.	0	0	.....	**M. de Kermaréc, Dir.**
Caen, Normal School	29.63	752.5	29.70	754.4	57.2	14.0	98	nw.	.....	.....	1	.....	10	.....	.....	0	0	covered.....	**M. Berson, Director.**
Châlons-sur-Marne, N.Sch'	29.54	750.3	29.87	758.6	56.1	13.4	49	ne.	.....	.....	1	.....	1	e.	n.	0	0	clear.....	**M. Jadot, Director.**
Charleville, Normal School	29.24	742.8	29.74	755.4	59.0	15.0	44	se.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.32	719.4	29.65	753 0	61.5	16.4	33	n.	.....	.....	2	5 c	p c	.....	.....	0	0	.....	**M. Alluard, Director.**
Cluny, Normal School	28.82	731.9	29.72	754.8	59.0	15.	52	ne.	.....	.....	1	.....	6	.....	.....	0	0	.....	**M. de Villemontés, Dir.**
Commercy, Normal School	28 87	733.2	29 73	755.2	50.9	10.5	58	ne.	.....	.....	4	.....	5 k	ne.	ne.	0	0	cloudy.....	**Dr. Coulet, Director.**
Gap, Normal School	27.14	689.4	29.63	752 6	57.2	14.0	20	ne.	.....	.....	10?	.....	7 n	.....	.....	0	0	.....	**M. Jarach, Director.**
Grénasque, du Rhone	28 53	724.6	29.63	752.7	57.6	14.2	48	se.	.....	.....	4	.....	9	.....	se.	0	0	.....	**M. Kina, Director.**
Grenoble, Normal School	28.89	733.7	29.63	752.6	65.1	18.4	42	wnw.	.....	.....	1	c	.....	.....	n.	0	0	.....	**M. Ablard, Director.**
Gué et, Normal School	28.17	715.5	29.72	754.8	57.6	14.2	58	sw.	.....	.....	1	.....	cn	.....	sw.	0	0	....	**M. Delorme, Dir.**
Lamballe Normal School	29.50	749 4	29.78	756.4	53.4	11.9	79	ne.	.....	.....	2	.....	n.	.....	ne.	0	0	....	**M. Polipre, Dir.**
Lescar, Normal School	29.08	738.7	29.63	752 6	63.7	17.6	49	e.	.....	.....	1	.....	k	.....	.....	0	0	....	**M. Chauvin, Director.**
Lorient, Naval Observatory	29.67	753 6	29.77	756.2	57.9	14.4	55	ne.	.....	.....	2	.....	10	n.	n.	0.008	0.2	covered.....	**L't. T. Carre, Director.**
Lyon, St. Genis-Laval	29 62	727.0	29.66	753 3	59.5	15.3	47	e.	.....	.....	1	.....	5	.....	.....	0	0	fair.....	**M. André, Director.**
Mans, Normal School	29.45	747.9	29.75	755.6	57.0	13.9	50	ese.	.....	.....	1	.....	2 cs	.....	ese.	0	0	slightly cl'dy	**M. Richard, Director**
Marseille, Observatory	29.37	745 9	29.63	752.7	61.2	16.2	32	e.	.....	.....	4	.....	10	.....	e.	0	0	.....	**M. Stephan, Director.**
Montlouis	24.48	621.7	29.32	744.7	33.1	0.6	86	ne.	10.1	4.5	.....	.....	10	ne.	.....	0.913	23.2	.....	**M Cave for Dr. Fines.**
Montpellier, Normal School	29.53	750.1	29.64	752 9	61.5	16.4	72	wsw.	.....	.....	2	.....	5	s.	.....	0	0	cloudy.....	**M. Gaizin, Director.**
Nancy, Normal School	28.95	735.2	29.73	755.1	53.6	12.0	57	ne.	.....	.....	1	.....	.....	.....	.....	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	29.59	751.6	29.79	756.7	59.7	15.4	56	ene.	.....	.....	0-2	2 c	.....	wnw.	.....	0	0	.....	**M. Larocque, Director.**
Perpignan, Observatory	29.60	751.7	29.71	754 5	54.0	12.2	81	calm	0	0	.....	.....	10	.....	e.	0.358	9.1	.....	**Dr. Fines, Director.**
Pic-du-Midi, Summit	20 83	529.1	.....	.....	25.2	— 3.8	.....	e.	.....	.....	1	.....	10	.....	e.	0.244	6.2	lightsnow...	**M. Vaussenat, Director.**
Privas, Normal School	28.59	726 1	29.63	752.6	59.0	15	39	s.	.....	.....	1	.....	10	.....	s.	0	0	covered.....	**M. Tallieu.**
Puy de Dôme Obs'y, Summit	24.85	631.2	.....	.....	40.5	4.7	69	ene.	.....	.....	2	.....	2	.....	.....	0	0	.....	**M Alluard.**
Rochefort, Naval Obs'y	29.70	754.3	29.73	755.1	66.7	19.3	44	ene.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.48	748.8	29.69	754.0	65.1	18.4	52	sse.	.....	.....	1	.....	.....	.....	.....	0	0	.....	**M Brotlier, Director.**
Rodez, Normal School	27 60	701.1	29.71	754.7	55.6	13.1	68	sw.	.....	.....	1	.....	10	.....	ne.	0	0	covered.....	**M. Seger, Director.**
Rouen, Normal School	29.72	754.9	29.77	756.1	60.8	16	57	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	**M. Mouillot, Dir.**
Saint Maur, Observatory	29.58	751.3	29.74	755.5	55.9	13.3	39	ene.	.....	.....	1	.....	1	sw.	.....	0	0	....	**M. Renou, Director.**
Toulouse, Observatory	28.98	736.1	29.69	754.2	60.3	15.7	62	ene.	.....	.....	1	.....	10	e.	.....	0	0	covered	**M. Baillaud, Director.**
Tours	29.54	750 4	29.72	754.9	60.1	15.6	38	n.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	**M. de Tastes.**
Versailles, Observatory	29.25	742.9	29.74	755.4	55.4	13.0	38	e.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	**Dr. A. Berigny, Director.**
Sub-series.																			
St. Martin du Hinx	29.51	749 6	29.66	753.4	62.4	16.9	56	se.	11.9	5.3	.....	.....	7 k	.....	e.	0	0	.....	**M. Garlier, Director.**
German.																			
Ansbach	28.34	719.9	29.78	756 3	55.0	12.8	43	se.	.....	.....	6	.....	0	.....	.....	0	0	....	**Prof. Juedt.**
Bamberg	28.97	735.7	29.80	757.0	50.7	13.7	52	se.	.....	.....	4	1 cs	.....	.....	.....	0	0	.....	**Prof. Dr. Hoh.**
Berlin	29.82	757.5	29.97	761.2	51.4	10.8	55	ne.	.....	.....	3	.....	5	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.50	749 3	30.03	762.8	46.9	8.3	67	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	**Royal University Obs'y**
Carlsruhe	29.29	743.9	29.74	755 5	52.5	11.4	57	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	**Albert Senz.**
Cassel	29.12	739.6	29.83	757.7	55.0	12.8	59	se.	.....	.....	4	.....	3	se.	.....	0	0	.....	**Dr. H. Möhl.**
Frankfort-on-the-Main	29.42	747.3	29.79	756.0	54.5	12.5	54	ene.	.....	.....	1	.....	1	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.33	719.5	29.75	755.6	47.8	8.8	69	sw.	.....	.....	1	.....	0	.....	.....	0	0	....	**Wilhelm, Chief Tel.**
Hamburg	29.87	758.8	29.97	761.1	50.7	10.4	60	e.	.....	.....	4	.....	8	.....	.....	0	0	misty.....	**E. Preiler.**
Kiel	29.97	761.2	29.98	761.6	48.6	9.2	66	e.	.....	.....	1	.....	10	.....	.....	0	0	.....	**Prof. Dr. G. Karsten.**
Leipsic, Astron'l Obs'y	29.50	749.4	29.92	760.0	51.1	10.6	70	e.	.....	.....	3	.....	2	e.	.....	0	0	.....	**H. Leppig, Asst.**
Magdeburg	29.74	755.4	29.93	760.3	52.9	11.6	62	ese.	.....	.....	3	.....	4	.....	.....	0	0	.....	**Weather Observatory.**
Memel	30.14	765.5	30.19	766.7	47.3	8.5	73	nw.	.....	.....	2	.....	1 k	ne; e	.....	.....	.....	.....	**Issermann.**
Munich	27.91	709.0	29.70	755.8	54.0	12.2	44	e.	.....	.....	4	.....	0	.....	.....	0	0	.....	**Central Station.**
Neufahrwasser	30.13	765.3	30.15	765 7	41.7	5.4	83	nw.	.....	.....	3	.....	5	.....	.....	0	0	.....	**A. Lothes.**
Neustadt, Palatinate	29.28	743.0	29.80	750.9	52.2	11.2	60	ne.	.....	.....	1	.....	3	e.	.....	0	0	.....	**Prof. Dicknether.**
Stuttgart	28.80	731.4	29.68	753 9	53.6	12.0	59	ne.	.....	.....	6	.....	0	.....	.....	0	0	.....	**Prof. Dr. Schoder.**
Wustrow	30.00	762.0	30.02	762.6	50.2	10.1	74	ene.	.....	.....	2	.....	10 ks	.....	.....	0	0	.....	**Profs. Brandes & Reimer**
Greek.																			
Athens	29.52	749.9	29.91	759.7	62.6	17.0	.....	s.	.....	.....	2.0	6	0	.....	.....	0	0	....	**Kokkides & Wourlisch.**
Indian.																			
Kurrachee	29.85	758.1	29.90	759.4	79.3	26.3	65	wsw.	25.0	11.2	.....	.....	0	.....	.....	0	0	blue sky.....	
Deesa	29.39	746 5	29.85	758.2	93.5	34.2	17	w.	14.0	6.3	.....	.....	0	.....	.....	0	0	blue sky.....	
Bombay	29.79	756.7	29.83	757.6	84.5	29.2	58	nw.	26.0	11.6	.....	.....	0	.....	.....	0	0	blue sky.....	
Poona, Yarrowda	27.98	710.7	29.78	756.3	94.9	34.9	13	ene.	7.0	3.1	.....	.....	0	.....	.....	0	0	d. clouds	
Belgaum	27 31	693.0	29.83	757.6	79.2	26.2	51	nw.	7.0	3.1	.....	.....	9	.....	n.	0.01	0.3	d. clouds	
Lahore	29.07	738.4	29.81	757.1	85.0	29.4	32	nw.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky.....	
Roorkee	28.93	734.7	29.81	757.1	89.7	32.1	16	calm	0	0	.....	.....	0	.....	.....	0	0	misty.....	
Agra	29.27	743.5	29.82	757.5	91.1	32.8	20	w.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky.....	
Nagpur	28.74	730.0	29.75	755.0	99.1	37.3	13	calm	1.0	0.4	.....	.....	3	w.	.....	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.48	723.4	29.80	756.9	93.8	34.3	18	calm	0	0			4			0	0	d. clouds	
Lucknow	29.41	746.9	29.77	756.2	95.0	35.0	20	wsw.	13.0	5.8			0			0	0	misty	
Allahabad	29.47	748.5	29.77	756.2	95.2	35.1	17	wnw.	8.0	3.6			0			0	0	blue sky	
Patna	29.52	749.9	29.70	754.4	96.1	35.6	10	w.	8.4	3.8			0			0	0	blue sky	
Hazaribagh	27.80	706.0	29.77	756.0	87.6	30.9	17	nw.	14.0	6.3			0			0	0	blue sky	
Cuttack	29.69	754 2	29.77	756.2	88.0	31.1	61	ese.					0			0	0	blue sky	
Calcutta, Alipore	29.73	755 2	29.76	755.8	89.7	32.1	56	s.	7.5	3.4			0			0	0	blue sky	
Dhubri	29.56	750.9	29.68	753.9	84.2	29.0	54	calm	0	0			0			0	0	d. clouds	
Chittagong	29.75	755.7	29.84	758.0	79.7	26.5	84	s.	6.1	2.7			2			0	0	overcast	
Sibsagar	29.44	747 8	29.78	756.5	72.0	22.2	80	ne.	2.0	0.9			10	w.	w.	0.05	1.3	overcast	
Jeynore	28.39	721.2	29.81	757.1	91.6	33.1	12	w.	15.5	6.9			0			0	0	blue sky	
Zanzibar	29.82	757 3	29.84	757.8	87.3	30.7	65	ene.	3.0	1.3			6		ese.	0.07	1.8	d. clouds	
Bellary	28.30	718.8	.....	.....	97.2	36.2	31	s.	6	2.7		3 ck	7			0	0	gloomy	
Trichinopoly	29.60	751.8	.....	.....	95.5	35.3	41	ne.	0.3	0.1		0	0			0	0	blue sky	
ITALIAN.																			
Udine	29.44	747.7	29.85	758.1	60.1	15.6	33	ne.	3.8	1.7			9			0	0		Prof. Giovanni Clodig.
Milan	29.32	744.6	29.83	757.7	60.6	15.9	35	ese.	5.6	2.5			5	sse.		0	0		Prof. G.V.Schiapparelli
Padua	29.72	755.0	29.84	757.8	58.6	14.8	43	ene.	9.8	4.4			10			0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.91	734.3	29.82	757.3	57.7	14.3	45	nnw.	3.1	1.4			9	n.		0	0		Prof. F. F. Denza.
Genoa	29.54	750.3	29.73	755.2	60.1	15.6	28	n.	3.8	1.7			10	s.		0	0		Prof. G. M. Garibaldi.
Pesaro	29.76	756.0	29.81	757.2	52.7	11.5	84	nw.	4.3	1.9			10	e.		0.335	8.5		Prof. Luigi Guidi.
Florence	29.46	748.3	29.72	754.8	61.7	16.5	43	ne.			6		10			0	0		Prof. Costantino Pittei.
Leghorn	29.60	751.8	29.68	753.9	59.4	15.2	51	ne.	12.5	5.6			10	se.		0	0		Prof. P. Monte.
Rome	29.52	749.9	29.70	754 4	61.3	16.3	57	sse.	10.5	4.7			10			0.091	2.3		Prof. P. Tacchini.
Lecce	29.57	751.1	29.83	757.6	56.5	13.6	84	se.	14.3	6.4			10	se		0.079	2.0		Prof. C. de Giorgi.
Cosenza	28.89	733.9	29.79	756 6	56.8	13.8	75	wsw.	2.5	1.1			6	w		0.039	1.0		Prof. D. Conti.
Palermo	29.46	748.3	29.71	754.7	59.9	15.5	74	wnw.	8.7	3.9			9	wnw.		0.091	2.3		Prof. G. Cacciatore
Syracuse	29.63	752.7	29.68	753.8	64.4	18.0	71	nne.	12.5	5.6			10	nne.		0.492	12.5		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.21	742.0	.....	.....	59.5	15.3	67	ssw.					9	sse.		0.047	1.2		Prof. F. Brioschi.
JAPANESE.																			
Akita	30.01	762 1	30.04	763.0	29.4	— 1.4	93	nw.			6	0	4k;ks		nw.	0.063	1.6	fair	H. Hattori.
Awomori	29.92	759.0	29.96	761.0	25.0	— 3.9	74	w.	13.6	6.1		0	5 ks		w.	0.228	5.8	fair	K. Ogawa.
Hakodate	29.93	760.3	29.94	760.6	26.0	— 3.3	95	wnw.	15.0	6.7		0	6 s;n			0.082	2.1	snowing	Y. Souma.
Hamamatsu	30.03	762.7	30.13	765.2	41.1	5.1	55	w.			4	0	0			0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.17	766.3	30.19	766.8	44.1	6.7	67	n.	1.9	0.8		1 ck	0	w.		0	0	clear	Y. Okamoto.
Kagoshima	30.12	765.1	30.13	765.4	51.7	10.9	70	nw.			2		10 s			0.075	1.9	overcast	
Kanazawa	30.13	765.3	30.23	767.9	36.0	2.2	74	n.	3.0	1.3		0	6ks;s			inap.	inap.	cloudy	S. Endo.
Kioto	30.03	762.7	30.20	767.1	35.5	1.9	76	n.	1.2	0.5		0	0			0	0	clear	M. Tojima.
Kochi	30.12	765 0	30.14	765.5	50.1	10.1	63	nnw.	0.1	0.04		1 cs	3 s			0	0	fair	K. Kusunose.
Misaaka	30.13	765.3	30.16	766.0	50.6	10.3	85	ene.			2		10 s		w.	0.130	3.3	overcast	K. Masusaki&T. Ishitaim.
Miyako	29 84	757.9	29.95	760.7	30.1	— 1.1	82	wsw.	16.9	7.5		0	1 s			0.008	0.2	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.94	760.5	30.15	765.8	48.7	9.3	78	calm	0	0			10 s			0	0		
Nemuro	29.69	754.1	29.74	755.4	25.5	— 3.6	65	n.	9.0	4.0			10 n					snowing	A Shibuya.
Niigata	30.12	765.0	30.16	766.0	34.5	1.4	72	wnw.	11.2	5.0		0	8ks;s		w.	0	0	cloudy	Satoo & Tomikawa.
Nobiru	30.00	761.9	30.01	762 3	30.6	— 0.8	71	nw.	24.1	10.7		0	0			0	0	clear	Yoshino & Midzushima.
Numadzu	29.98	761.5	30.02	762.4	47.9	8.8	48	sw.			4	0	0			0	0	clear	T. Ohgi.
Osaka	30.19	766.9	30.21	767.3	39.2	4.0	79	ene.	8.4	3.8		0	8 s			0	0	cloudy	d. Omura.
Sakai	30.20	767 1	30.21	767.3	42.7	5.9	74	nne.			2		9 ks		wnw	0.015	0.4	cloudy	Yamawchi & Sakamoto.
Sapporo	29.82	757.5	29.89	759.3	22.0	— 5.6	47	nw.	6.0	2.7		0	0			0.012	0.3	clear	S. Kimura.
Salmonoseki	30.00	762.1	30.15	765.8	49.3	9.6	53	nnw.			2	0	3 s			0.022	0.6	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.98	761.5	30.06	763.5	38.8	3.8	53	n.	13.6	6.1		0	0			0	0	fair	The Staff.
Wakayama	30.13	765.3	30.19	766.7	43.3	6.3	64	ne.	4.9	2.2		0	5 ck		w.	0	0	fair	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.76	755.9	29.95	760.7	80.0	26.7	69	e.	17.5	7.8		1 cs	4 k;n		ese.	0.10	2.5	fair	The Staff.
MEXICAN.																			
Leon	24.33	618.0	30.00	762.0	58.6	14.8	67	nnw.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.09	754.0	29.95	760.7	64.0	17.8	83	ene.	0.9	0.4			10 cn		sw.	0	0	foggy	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.79	756.7	29.79	756.7	50.7	10.4	.....	ese.	.....	.....	2	.....	.....	.....	.....	0	0	.....	.....
Groningen	29.86	756.9	29.85	758.3	48.2	9.0	.....	se.	.....	.....	1	.....	.....	.....	.....	0	0	.....	.....
Helder	29.83	757.7	29.83	757.7	45.3	7.4	.....	e.	.....	.....	2	.....	.....	.....	.....	0	0	.....	.....
Hellevoetsluis	29.82	757.4	29.82	757.4	51.6	10.9	55	se.	.....	.....	1	.....	.....	.....	.....	0	0	.....	.....
Utrecht	29.78	756 3	29.82	757.5	50.5	10.3	53	sse	.....	.....	3	.....	5	.....	.....	0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.86	758.4	.....	.....	79.2	26.2	78	w.	0.5	0.2		.....	9	.....	.....	0	0	.....	Lt.J.J. Reptman, R.D.N
NORWEGIAN.																			
Bergen	29.52	760.0	29.98	761.6	41.4	5.2	81	s.	11	5		.....	10	.....	.....	0.169	4.3	raining	
Brono	30.06	763.6	30.10	764.6	43.3	6.3	53	e.	.....	.....	4	.....	3	.....	.....	0	0	raining	
Christiania	29.95	760.6	30.10	764.5	37.6	3.1	87	ssw.	4	2	.....	.....	10	.....	.....	0.016	0.4	light snow	
Glaesvær	30.34	770.5	30.36	771.1	37.0	2.8	.....	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....
Lodingen	30.23	767.8	30.28	769.0	32.5	0.3	52	e.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	.....
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos
Funchal, Madeira	29.90	759.4	29.99	761.7	59.2	15.1	57	nw.	1.8	0.8		.....	10	nne.	.....	0.098	2.5	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.26	743.1	29.59	751.6	56.8	13.8	62	nne.	8.7	3.9		.....	3	.....	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	30.30	769.7	30.37	771.5	57.2	14.0	67	nne.	11.9	5.3		.....	3	.....	.....	.....	.....	.....	.....
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	.....
St. Vincent, Cape Verd Ids.	30.00	761.9	30.03	762.8	68.9	20.5	61	ene.	.....	.....	3	.....	6	.....	.....	0	0	.....	.....
San Salvador, Congo	27.98	710 6	29.77	756 2	86.2	30.1	56	w.	.....	.....	1	.....	5	.....	.....	0.010	0.4	hailing	.....
Serra da Estrella	24.86	631.4	29.63	752.7	36.9	2.7	91	wnw.	3.1	1.4	.....	.....	10	.....	.....	.....	.....	.....	.....
RUSSIAN.																			
Akmolinski	29.08	738.6	30.24	768.1	19.2	— 7.1	87	ssw.	2	1	.....	0	0	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	30.17	766.3	30.19	766 8	26.2	— 3.2	72	w.	9	4	.....	0	8 ks	.....	.....	0	0	.....	Capt. Sselliwerstow
Ashuruda	29.94	760.4	29.84	758.0	60 3	15.7	67	nnw.	18	8	.....	0	2 k	.....	.....	0	0	light clouds	.....
Astrakhan	30.03	762.8	29.96	760.9	51.6	10.9	50	se.	9	4	.....	.....	.....	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	29.95	760.6	29.90	759.4	53.2	11.8	86	sse.	4	2	.....	1 cs	9 s	.....	.....	0	0	.....	.....
Barnaul	29.78	756.3	30.31	769.8	27.3	— 2.6	87	sw.	9	4	.....	.....	0	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.84	758.0	30.34	770.5	31.3	— 0.4	41	calm	0	0	.....	0	0	.....	.....	0	0	.....	.....
Dorpat	29.99	761.7	30.24	768.1	38.5	3.6	60	e.	2	1	.....	1 ck	0	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	29.11	739.5	30.12	765.0	30.0	— 1.1	76	w.	9	4	.....	.....	10	.....	.....	.....	.....	light snow	Meteorological Obs'y.
Elissawetgrad	29.62	752.3	30.08	764 1	39.0	3.9	90	ene.	2	1	.....	.....	10 n	.....	.....	0.016	0.4	.....	.....
Kasan	29.93	760.2	30.21	767.4	32.0	0.0	71	ne.	11	5	.....	0	0	.....	.....	0	0	.....	Observatory.
Kem	30.24	768.0	30.20	769.3	26.6	— 3.0	57	calm	0	0	.....	.....	4 ks	.....	.....	0	0	.....	.....
Kertch	29.91	759 6	29.93	760.2	38.5	3.6	88	n.	7	3	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Sastyrew.
Kieff	29.44	747.7	30.10	764.6	34.9	1.6	93	nne.	7	3	.....	.....	10 n	.....	.....	0.079	2.0	light rain	Observatory.
Koslov	29.58	751.2	30.10	764.6	31.1	— 0.5	85	ne.	11	5	.....	.....	10 s	.....	.....	0	0	.....	.....
Igov	29.57	751.0	30.18	766.6	34.0	1.1	79	ne.	13	6	.....	.....	9	.....	.....	0.087	0.2	.....	R. I. Ssaweljew, Engineer.
Libau	30.15	765 8	30.17	766.4	44.6	7.0	55	wnw.	7	3	.....	.....	9	.....	.....	0	0	.....	L. Quass.
Lugan	29.73	755.1	29.94	760.4	37.0	2.8	82	ne.	4	2	.....	.....	10	.....	.....	0	0	.....	Meteorological Obs'y.
Moscow	29.73	755.1	30.22	767.7	37.9	3.3	52	calm	0	0	.....	0	3 ks	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27.90	708.6	30.38	771.7	12.6	—10.8	53	calm	0	0	.....	.....	0	.....	.....	0	0	.....	.....
Nikolaiev	29.97	761.2	30.04	763.0	50.0	10.0	62	ne.	13	6	.....	2 ck	0	.....	.....	.....	.....	.....	Capt. Kurdakow.

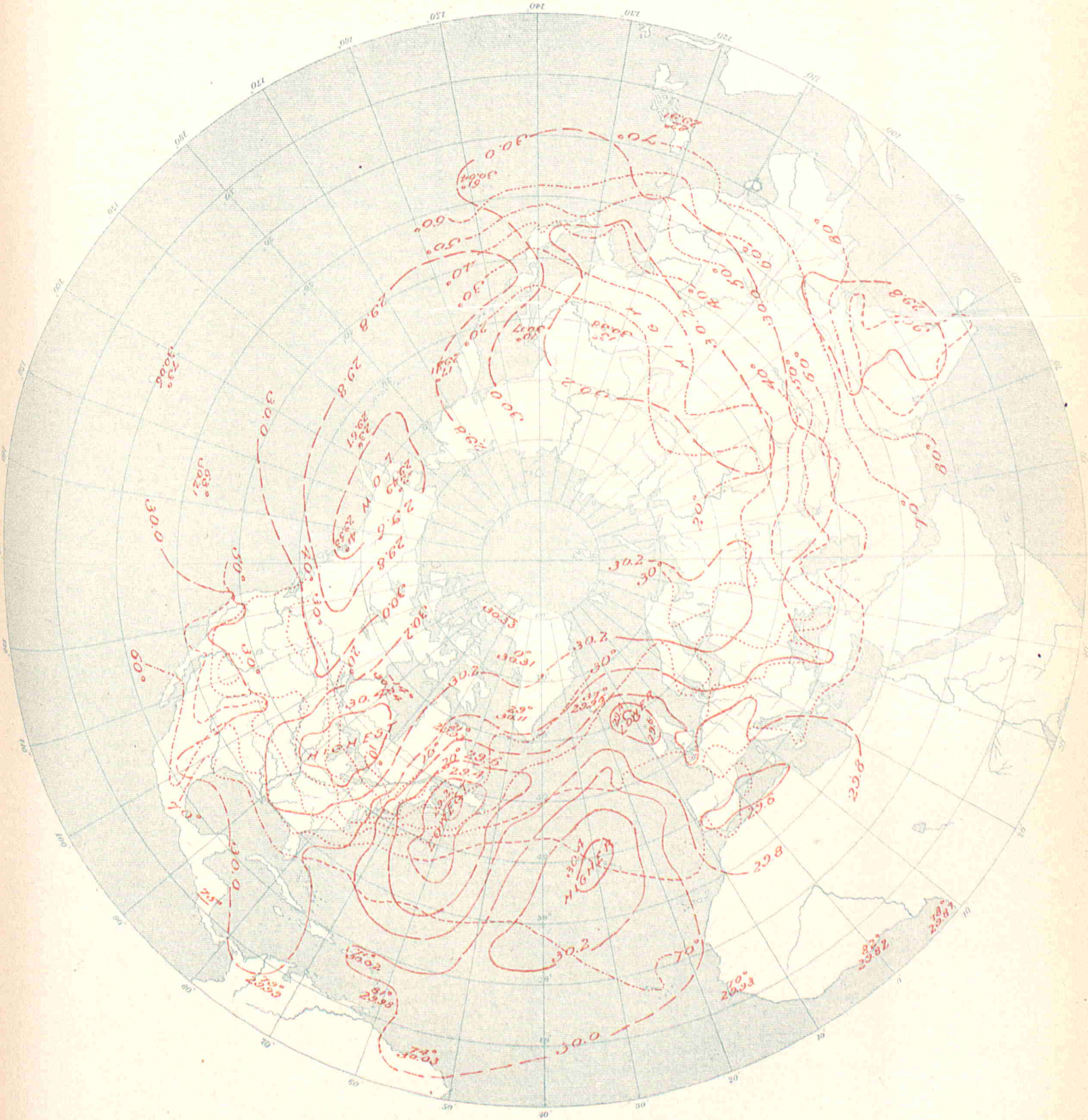
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mil.	Inch.	Mil.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mus. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mil.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.08	764.0	30.17	766 2	10.2	—12.1	77	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	light snow..	Iwanow.
Pekin, China	30.06	763.6	30.21	767.2	39.6	4.2	70	calm	0	0	.....	0	7 n	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.67	753.5	30.02	762.4	59.9	15.5	16	calm	0	0	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.10	764.5	30.31	769.8	24.3	— 4.3	61	se.	9	4	.....	0	7 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.63	752.7	30.15	765.7	40.1	4.5	74	wnw.	9	4	.....	.....	10 s	.....	.....	0	0	.....	
Poti	29.93	760.2	29.96	761.0	48.4	9.1	99	sw.	9	4	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.24	768.0	30.26	768 6	35.2	1.8	68	ne.	9	4	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.53	699.3	29.9?	761.4	58.3	14.6	53	calm	0	0	.....	9 cl	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.67	753.7	30.38	771.7	21.4	— 5.9	80	e.	9	4	.....	.....	8	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.71	754.7	29.93	760.1	51.1	10.6	69	n.	20	9	.....	0	3 ks	.....	.....	0	0	.....	
Staroi Bykhov	29.61	752.1	30.19	766.8	36.3	2.4	79	ne.	7	3	.....	.....	10	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.38	720.9	30.04	763.0	59.9	15.5	39	calm	0	0	.....	.....	5 k	.....	.....	.....	.....	light clouds	Terch, A. M.
Tiflis	28.39	721.2	29.77	756.2	66.9	19.4	39	ssw.	7	3	.....	4 cs	0	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.43	696.7	30.00	761.9	38.3	3.5	61	calm	0	0	.....	0	5 k	.....	.....	.....	.....	.....	Larlono.
Viatka	29.57	751.1	30.24	768.2	22.1	— 5.5	54	w.	2	1	.....	.....	1	.....	.....	0	0	.....	
Vladivostock	30.11	764.8	30.18	766.5	26.1	— 3.3	50	n.	18	8	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.65	753.2	30.08	764.1	46.2	7.9	71	e.	11	5	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.86	758.5	30.16	766.1	29.3	— 1.5	67	wsw.	2	1	.....	.....	10	.....	.....	0.028	0.7	snowing	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.61	752.1	30.14	765.5	35.2	1.8	55	une.	.....	.....	.....	0	7	.....	ne.	0	0	fair	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.50	749.2	29.61	752.0	56.7	13.7	69	ne.	.....	.....	.....	0	8 n	.....	.....	0.331	8.4	almost cov'd	B. Jelin.
Bilbao, Met. Obs'y	29.63	752.6	29.69	754.1	54.9	12.7	89	w.	0.4	0.2	.....	.....	10	.....	.....	0.031	0.8	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.71	678.4	29.69	754.2	46.9	8.3	84	e.	4.9	2.2	.....	.....	10	.....	.....	0.362	9.2	covered	Domingo Martin.
Madrid, Royal Obs'y	27.40	695.9	29.63	752.6	50.2	10.1	82	n.	6.7	3.0	.....	.....	10	.....	.....	0.012	0.3	covered	The Staff.
Murcia, Met. Obs'y	29.45	747.9	29.55	750.6	62.4	16.9	67	se.	1.8	0.8	.....	3	4	w.	.....	.....	.....	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.74	730.0	29.63	752.7	51.8	11.0	88	nne.	19.2	8.6	.....	.....	10	.....	.....	0.252	6.4	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.01	762 3	30.08	764.0	76.5	24.7	71	nnw.	7.6	3.4	.....	0	1 k	.....	n.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.85	758.1	29.91	759.6	81.8	27.7	61	ese.	6.6	3.0	.....	0	ks	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.47	748.5	29.57	751.1	53.4	11.9	83	ssw.	1.9	0.8	.....	.....	10	.....	s.	0.438	11.1	raining	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.93	760.2	30.02	762.5	71.2	21.8	85	calm	0	0	.....	0	0	.....	.....	0	0	clear	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	30.30	769.6	30.34	770.6	28.4	— 2.0	98	n.	.....	.....	2	.....	7	.....	.....	0	0	.....	
Umea	30.26	768.5	30.31	769 8	33.1	0.6	89	ne.	.....	.....	4	.....	10	.....	.....	0.016	0.4	.....	
Hernosand	30 19	766.8	30.24	768.1	32.4	0.2	96	calm	.....	.....	0	.....	10	.....	.....	0.012	0.3	.....	
Stockholm	30.02	762.5	30.20	767.0	41.0	5.0	52	se.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Wisby	30.05	763.3	30.11	764.8	43.9	6.6	59	ese.	.....	.....	4	.....	5	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.09	764.3	30.18	766.5	41.0	5.0	71	ese.	6.0	2.7	.....	.....	8	.....	w.	inap.	inap.	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.28	718.2	29.75	755.7	50.9	10.5	59	n.	.....	.....	1	.....	0	.....	.....	0	0	vapory	
Turkish.																			
Constantinople	.....	.....	30.04	763.1	50.5	10.3	73	n.	10	4.5	.....	.....	10	.....	ne.	0	0	.....	The Observatory.
Valona	.....	.....	29.93?	760.1?	53.4	11.9	.....	ne.	.....	.....	1	.....	10	.....	.....	0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.92	760.0	65.5	18.6	71	sw.	.....	.....	2	.....	10 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.90	759.4	29.99	761.7	18	— 7.8	56	nw.	19	8.5	.....	.....	10 s	.....	nw.	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.78	756.4	30.48	774.2	18.3	— 7.6	67	n.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.86	631.4	29.88	758.9	29.4	— 1.4	85	e.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.11	688.6	30.13	765.3	28.8	— 1.8	82	calm	0	0	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	29.60	736.6	30.22	767.6	49.0	9.4	63	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	29.91	759.7	29.92	760.0	29.1	— 1.6	45	n.	22	9.8	.....	0	0	.....	.....	0	0	clear	B.A.Blundon.
Augusta, Georgia	30.00	762.0	30.20	767.1	50.3	10.2	84	calm	0	0	.....	0	0	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	30.06	763.5	30.11	764.8	32.7	0.4	36	nw.	17	7.6	.....	0	0	.....	.....	0	0	clear	Geo. W. Felgar.
Barnegat City, New Jersey	29.90	759.4	29.92	760.0	27.8	— 2.3	59	n.	35	15.6	.....	0	4 k	.....	n.	0	0	fair	J.P.Sherry.
Bennett, Fort, Dakota	28.37	720.6	30.07	763.8	40.3	4.6	98	se.	21	9.4	.....	.....	10 s	.....	se.	0.09	2.3	threatening	A. Pritchard.
Benton, Fort, Montana	27.19	690.6	30.17	766.3	33.3	0.7	68	calm	0	0	.....	0	0	.....	.....	0	0	clear	U.S.Bennett.
Bismarck, Dakota	28.12	714.2	30.04	763.0	38.5	3.6	96	se.	8	3.6	.....	.....	10 s	.....	se.	0	0	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.60	753.4	29.69	754.1	21.8	— 5.7	75	nw.	44	19.7	.....	0	2 ks	.....	nw.	0	0	clear	J. T. Elker.
Boise City, Idaho	27.13	689.1	30.05	763.3	40.5	4.7	90	se.	2	0.9	.....	0	8 s	.....	e.	0.08	2.0	cloudy	James Kenealy.
Boston, Massachusetts	29.49	749.0	29.65	753.1	13.0	—10.6	89	nw.	34	15.2	.....	.....	10 n	.....	.....	0.23	5.8	light snow.	O. B. Cole.
Brownsville, Texas	29.99	761.0	30.02	762.5	70.2	21.2	100	ne.	9	4.0	.....	.....	10 s	.....	se.	0	0	cloudy	John McGlone.
Buffalo, New York	29.53	750 0	30.32	770.1	19.6	— 6.9	57	n.	20	8.9	.....	0	0	.....	.....	0	0	clear	D.Cuthbertson.
Buford, Fort, Dakota	27.84	707.1	30.00	762.0	36	2.2	92	ne.	6	2.7	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	A. Schneider.
Cairo, Illinois	29.95	760.7	30.37	771.4	43.0	6.1	74	ne.	11	4.9	.....	0	0	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.96	761.0	30.16	766.1	43.0	6.1	86	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	30.07	763.8	30.09	764.3	38.0	3 3	82	nw.	40	17.9	.....	0	0	.....	.....	0.03	0.8	clear	A. K. Alderson.
Cape May, New Jersey	29.96	761.0	29.99	761.7	32.0	0.0	68	nw.	50	22.4	.....	0	0	.....	.....	0	0	clear	W.E.Smith.
Cape Mendocino, California	29.43	747.5	30.12	765.0	44.2	6.8	93	nw.	14	6.3	.....	0	8 ks	.....	nw.	0	0	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.11	764.8	30.13	765.3	60.4	15.8	68	n.	0	4.0	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	30.04	763.0	30.10	764.5	55.0	12.8	80	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.28	743.7	30.16	766.1	48.7	9.3	53	nw.	5	2.2	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.42	747.3	30.27	768.8	49.0	9.4	71	nw.	5	2.2	.....	2 cs	0	nw.	.....	0	0	clear	B. L. Goulding.
Cheyenne, Wyoming	23.89	606.8	30.09	764.3	31.8	— 0.1	85	n.	9	2.7	.....	0	2 s	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.71	754.6	30.45	773.4	30.2	— 1.0	64	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear	Wm. Norrington.
Chincoteague, Virginia	30.02	762.5	30.04	763 0	34.3	1.3	50	nw.	33	14.8	.....	0	0	.....	.....	0	0	clear	C. F. Dickens.
Cincinnati, Ohio	29.72	754.9	30.41	772.4	37.0	2.8	72	e.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	L.Dunne.
Cleveland, Ohio	29.62	752.3	30.40	772.1	27.2	— 2.7	80	nw.	11	4.9	.....	0	5 ks	.....	nw.	0	0	fair	W.Line.
Columbus, Ohio	29.52	749.8	30.41	772.4	28.8	— 1.8	66	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	F.T. Williams
Concho, Fort, Texas	28.10	713.7	30.07	763.8	62.1	16.7	63	e.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	C. E. King.
Custer, Fort, Montana	26.70	678.2	30.03	762 7	35	1.7	89	n.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	W.J.Daily.
Davenport, Iowa	29.75	755.6	30.44	773.2	33.2	0.7	67	e.	7	3.1	.....	4 ck	0	nw.	.....	0	0	fair	R. R. Martin.
Davis, Fort, Texas	25.15	638.8	30.02	762.5	45.8	7.7	68	sw.	8	3.6	.....	0	5 8	.....	.....	0	0	fair	J. Williams.
Dayton, Washington T'y	28.29	718 6	30.11	764.8	33.1	0.6	76	se.	5	2.2	.....	0	0	.....	.....	0	0	clear	T.Gibson.
Deadwood, Dakota	25.24	641.1	30.08	764.0	38.0	3.3	66	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	G.W.Scott.
Delaware Breakwater, Del	29.99	761.7	30.01	762.2	32.3	0.2	55	nw.	53	23.7	.....	hz.	0	.....	.....	inap.	inap.	clear	G.A.Martin.
Denver, Colorado	24.64	625 8	30.08	764.0	39.0	3.9	80	nw.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	F. M. Neal.
Des Moines, Iowa	29.46	748.3	30.42	772.7	35	1.7	64	se.	8	3.6	.....	.....	10 s	.....	s.	0	0	cloudy	F. W. Conrad.
Detroit, Michigan	29.70	754.4	30.45	773.4	26.1	— 3.3	76	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	N.B.Conger.
Dodge City, Kansas	27.41	696.2	30.14	765.5	46.3	7.9	74	se.	17	7.6	.....	8 cs	1 s	sw.	sw.	0	0	cloudy	J.E.Lanouette.
Dubuque, Iowa	29.72	751.9	30.47	773.9	31.8	— 0.1	66	e.	6	2.7	.....	0	8 ks;s	.....	e.	0	0	cloudy	J. Harvey Smith
Duluth, Minnesota	29.63	752.6	30.42	772 7	20.5	— 6.4	84	ne.	7	3.1	.....	0	7 s	.....	w.	inap.	inap.	fair	E.R.Brace.
Eastport, Maine	29.30	745.7	29.43	747.5	26.5	— 3.1	82	n.	20	8.9	.....	.....	10 s	.....	n.	0	0	cloudy	D. C. Murphy.
Elliott, Fort, Texas	27.25	692.1	30.08	764.0	48	8.9	54	se.	12	5.4	.....	.....	10 s	.....	s.	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.16	664 5	29.96	761.0	46.0	7.8	30	calm	0	0	.....	10 cs	0	.....	.....	0	0	cloudy	F. Belford.
Erie, Pennsylvania	29.60	751.8	30.37	771.4	24.1	— 4.4	82	nw.	20	8.9	.....	0	0	.....	.....	0	0	clear	P. Wood.
Escanaba, Michigan	29.82	757.4	30.53	775.4	12.5	—10.8	79	nw.	4	1.8	.....	4 cs	0	.....	.....	inap.	inap.	fair	L.M.Pindell.
Fort Smith, Arkansas	29.75	755.6	30.24	768.1	52.5	11.4	66	e.	8	3.6	.....	5 cs	sk.	n.	.....	0	0	fair	J. B. Campbell.
Galveston, Texas	30.08	764.0	30.12	765.0	68.0	20.0	72	se.	10	4.5	.....	2 ck	2 s	w.	se.	0	0	fair	E. O'C. Macinerny
Grand Haven, Michigan	29.79	756.7	30.49	774.4	23.0	— 5.0	89	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	Joseph E. Mueller.
Grant, Fort, Arizona	25.09	637.3	29.92	760.0	40	4.4	52	e.	4	1.8	.....	4 cs	0	sw.	.....	0	0	fair	Chas. A. Read.
Hatteras North Carolina	30.04	763.0	30.05	763.3	45.5	7.5	49	nw.	32	14.3	.....	0	0	.....	.....	0.01	0.3	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.66	651.8	29.98	761.5	34	1.1	82	nw.	2	0.9	.....	0	3 s	.....	.....	0	c	clear	S. W. Morrison.
Huron, Dakota	28.68	728.5	30.16	766.1	41.2	5.1	94	se.	14	6.3	.....	.....	10 s	.....	.....	0.16	4.1	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.54	750.3	30.38	771.6	33.0	0.6	68	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	C. F. R. Wappenhans
Indianola, Texas	30.03	762.7	30.06	763.5	69.2	20.7	89	se.	7	3.1	.....	.....	10 s	.....	se.	0	0	cloudy	L. A. Reed.
Jacksonville Florida	30.08	764.0	30.13	765.3	60.2	15.7	54	nw.	7	3.1	.....	hz.	0	.....	.....	0	0	clear	J. W. Smith.
Keokuk, Iowa	29.72	754.9	30.41	772.4	31.3	— 0.4	74	e.	5	2.2	.....	0	0	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.05	763.3	30.07	763.8	74.5	23.6	60	nw.	17	7.6	.....	1 cs	0	w.	.....	0	0	clear	J. J. Lackey.
Kittyhawk, North Carolina	30.06	763.5	30.08	764.0	39.4	4.1	48	n	29	13.0	.....	2 k	0	n.	.....	0.69	17.5	clear	Wesley Blake.
Knoxville, Tennessee	29.22	742 2	30.28	769.1	44.1	6.7	72	n.	8	3.6	.....	0	0	.....	.....	inap.	inap.	clear	J. A. Cody.
La Crosse, Wisconsin	29.59	751.6	30.41	772.4	30	2.2	53	s.	6	2.7	.....	.....	10 s	.....	s.	0	0	cloudy	S. C. Emery.
Leavenworth, Kansas	29.35	745.5	30.29	769.4	45	7.2	76	se.	4	1.8	.....	4 cs	0	.....	.....	0	0	fair	C. Dill.
Lewiston, Idaho	29.24	742.7	30.10	764.5	36.0	2.2	79	se.	1	0.4	.....	0	0	.....	.....	0	0	clear	O. E. Butler.
Little Rock, Arkansas	29.94	760.5	30.28	769.1	55.0	12.8	72	e.	2	0.9	.....	0	0	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.60	751.8	30.00	762.0	41.2	5.1	90	ne.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	T. S. Collins.
Louisville, Kentucky	29.77	756.1	30.36	771.1	39.0	3.9	58	ne.	10	4.5	.....	0	0	.....	.....	0	0	clear	E. B. Garriott.
Lynchburg, Virginia	29.43	747.5	30.15	765.8	41.0	5.0	40	nw.	16	7.2	.....	0	0	.....	.....	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.82	757.4	30.52	775.2	17.9	— 7.8	76	sw.	4	1.8	.....	3 cs	0	.....	.....	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	30.07	763.8	30.08	764.0	50.2	10.1	56	nw.	22	9.8	.....	0	hz.	.....	.....	0.02	0.5	clear	William Daly.
Maginnis, Fort, Montana	25 48	647.2	30.08	764.0	30.4	— 0.9	51	ne.	25	11.2	.....	.....	10 n	.....	ne.	0.01	0.3	light snow	F. Burke.
Marquette, Michigan	29.76	755.9	30.53	775.4	16.4	— 8.7	73	w.	4	1.8	.....	4 cs	0	w.	.....	inap.	inap.	fair	J. Gilligan.
Memphis, Tennessee	29.94	760.5	30.30	769.6	53.0	11.7	72	ne.	1	0.4	.....	hz.	hz.	.....	.....	0	0	dense haze	D. T. Flannery.
Milwaukee, Wisconsin	29.71	754.6	30.50	774.7	28.8	— 1.8	75	ne.	10	4.5	.....	0	7 k	.....	ne.	0	0	fair	S. W. Rhode.
Mobile, Alabama	30.17	766.3	30.21	767.3	57.8	14.3	67	ne.	7	3.1	.....	2 c	hz.	w.	.....	0	0	clear	H. U. Jones.
Montgomery, Alabama	29.98	761.5	30.22	767.6	52.0	11.1	73	ne.	3	1.3	.....	0	0	.....	.....	inap.	inap	clear	S. M. Leitzell.
Moorhead, Minnesota	29.16	740.7	30.24	768.1	35	1.7	89	s.	8	3.6	.....	.....	10 s	.....	s.	0	0	cloudy	H. Bessant.
Mt. Washington, N. H	23.14	587.7	29.66	753.4	— 3.5	—19.7	56	nw.	26	11.6	.....	3 k	4s; fg	nw.	nw.; n.	0.05	1.3	fair	J. H. Melton.
Nashville, Tennessee	29.70	754.4	30.30	769.6	46.0	7.8	77	ne.	4	1.8	.....	5 c	0	w.	.....	inap.	inap.	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.71	754.6	29.83	757.7	16.5	— 8.6	67	nw.	27	12.1	.....	0	0	.....	.....	0	0	clear	J. H. Sherman.
New London, Connecticut	29.71	754.6	29 76	755.9	20.0	— 6.7	56	w.	23	10.3	.....	0	1 k	.....	w.	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	30.13	765.3	30.19	766.8	63.0	17.2	63	ne.	7	3.1	.....	4 clr	hz.	nw.	.....	0	0	fair	M. Hermau.
New York, New York	29.72	754.9	29.90	759.4	23.3	4.8	83	w.	26	11.6	.....	0	6 k	.....	nw.	0	0	fair	W. Finn.
Norfolk, Virginia	30.06	763.5	30.09	764.3	39.2	4.0	49	nw.	18	8.0	.....	0	0	.....	.....	0.13	3.3	clear	Wm. Davis.
North Platte, Nebraska	27.01	686.0	30.07	763.8	43.6	6.4	74	se	20	8.9	.....	0	2 s	.....	.....	0	0	clear	E. F. Brady.
Olympia, Washington Ter	30.09	764.3	30.13	765.3	33.0	0.6	88	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Dascomb
Omaha, Nebraska	29.03	737.3	30 28	769.1	42.9	6.1	86	se.	12	5.4	.....	0	6 ks	.....	w.	inap.	inap.	fair	A. Pollak
Oswego, New York	29.80	758.4	30.20	767.1	15.8	— 9.0	75	n.	22	9.8	.....	.....	10 k	.....	nw.	0.01	0.3	cloudy	J. G. Linsley.
Palestine, Texas	29.60	751.8	30.17	766.3	54.2	12.3	73	ne.	11	4.9	.....	0	4 s	.....	se.	0	0	fair	P. T. Jenkins.
Pensacola, Florida	30.16	766.1	30.20	767.1	58.8	14.9	58	ne.	10	4.5	.....	0	hz.	.....	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	29.91	759.7	30.01	762.2	28.0	— 2.2	77	nw.	23	10.3	.....	0	0	.....	.....	0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.62	447.5	30.21	767.3	8.0	—13.3	69	w	26	11.6	.....	0	0	.....	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.49	749.0	30.34	770.6	27.4	— 2.6	83	nw.	6	2.7	.....	0	1 s	.....	.....	0	0	clear	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	34.0	1.4	.....	.....	.....	.....	.....	0	3 ks	.....	.....	0.02	0.5	clear	Geo. A. Carden.
Port Huron, Michigan	29.70	754.4	30.42	772.7	23.8	— 4.6	88	nw.	9	4.0	.....	0	8 ks	.....	n.	0	0	cloudy	M. H. Perry
Portland, Maine	29.55	750.6	29.60	751.8	22.0	— 5 6	66	n.	23	10.3	.....	.....	10 s	.....	nw.	inap.	inap.	cloudy	W. W. Eichelberger.
Portland. Oregon	30.05	763.3	30.12	765.0	30.8	2.7	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	M. L. Hearns.
Prescott, Arizona	24.55	623.6	29.94	760.5	28.3	— 2.1	94	ne.	2	0.9	.....	.....	10 n	.....	.....	0.12	3.0	light snow	N. D. Laue.
Provincetown, Mass	29.53	750.0	29.56	750.8	18.5	— 7.5	93	nw.	29	13.0	.....	.....	10 n	.....	.....	0.04	1.0	light snow	C. N. Kitchel.
Red Bluff, California	29.63	752.6	30.00	762.0	41.5	5.3	88	n.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.84	757.9	30.08	764.0	72.0	22.2	85	se.	4	1.8	.....	.....	10 s	.....	se.	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	29.55	759.6	30.25	768.3	17.3	— 8.2	61	nw.	24	10.7	.....	0	6 k	.....	nw.	0	0	fair	E. W. McGann.
Roseburg, Oregon	29.50	750.8	30.12	765.0	39.2	4.0	88	calm	0	0	.....	10 c	0	w.	.....	0	0	cloudy	J. J. Naury.
Sacramento, California	29.89	759.2	29.96	761.0	43.5	6.4	87	se.	9	4.0	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.75	755.6	30.40	772.1	34.4	1.3	79	e.	11	4.9	.....	1 cs	0	w.	.....	0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.46	748.3	29.49	749.0	— 1.5	—18.6	87	n.	18	8.0	.....	4 cs	0	n.	.....	0	0	fair	Fred. H. Clarke.
St. Paul, Minnesota	29.44	747.8	30.35	770.9	38.7	3.7	76	s.	10	4.5	.....	5 k	4 ks	w.	.....	0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.29	744.0	30.23	767.8	28.2	— 2.1	75	se.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.54	648.7	30.06	763.5	32.8	0.4	58	calm	0	0	.....	9 k	0	sw.	.....	inap.	inap.	cloudy	J. Craig.
San Diego, California	29.89	759.2	29.96	761.0	44.6	7.0	87	ne.	4	1.8	.....	0	3 k	.....	w.	0.23	5.8	clear	F. R. Day.
Sandusky, Ohio	29.74	755.4	30.46	773.7	28	— 2.2	64	n.	14	6.3	.....	0	0	.....	.....	0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	29.88	758.9	29 91	759.7	26.0	— 3.3	64	nw.	48	21.5	.....	5 k	0	nw.	.....	0	0	fair	V. P. Chappel.
Sanford, Florida	30.02	762.5	30.07	763.8	63.5	17.5	70	nw.	14	6.3	.....	0	0	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.90	759.4	29.97	761.2	49.5	9.7	89	se.	1	0.4	.....	0	fg.	.....	.....	0	0	clear	N. Gorom.
Savannah, Georgia	30.04	763.0	30.13	765.3	55	12.8	72	n.	5	2.2	.....	0	0	.....	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.33	668.8	30.13	765.3	27.2	— 2.7	77	w.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	A. L. Mathews.
Shreveport, Louisiana	29.99	761.7	30.17	766.3	59.0	15.0	58	e.	4	1.8	.....	4 ck	0	w.	.....	0	0	fair	E. N. Meekins.
Sitka, Alaska	29.48	748.8	29.55	750.6	41.2	5.1	82	e.	2	0.9	.....	.....	10 n	.....	e.	2.07	52.6	light rain	F. W. Fickett.
Smithville North Carolina	30.07	763.8	30.11	764.8	51.9	11.1	50	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.95	709.9	30.08	764.0	30.2	— 1.0	85	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.70	754.4	30.42	772.7	33.0	0.6	69	e.	5	2.2	.....	0	0	.....	.....	0	0	clear	T. B. Jennings.
Stockton, Fort, Texas	26.91	683.5	29.99	761.7	61.0	16.1	90	se.	16	7.2	.....	.....	10 s	.....	.....	0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	30.04	763.0	30.14	765.5	44.8	7.1	80	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	R. Connor.
Thomas, Camp, Arizona	27.17	690.1	29.95	760.7	39.2	4.0	65	calm	.....	.....	0	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.69	754.1	30.42	772.7	28	— 2.2	77	n.	1	0.4	.....	0	0	.....	.....	0	0	clear	A. Buell.
Unalashka, Alaska	29.65	753.1	29.67	753.6	23	— 5.0	73	w.	6	2.7	.....	0	6 s	.....	.....	0.11	2.8	fair	Samuel Applegate
Vicksburg, Mississippi	29.98	761.5	30.24	768.1	56	13.3	62	ne.	5	2.2	.....	2 c	hz.	w	.....	0	0	clear	F. W. Mixer.
Washington, D. C	30.03	762.7	30.15	765.8	30.8	— 0.7	40	nw.	24	10.7	.....	0	0	.....	.....	0.01	0.3	clear	T. B. Harrison.
West Las Animas, Colorado	25.87	657.1	29.94	760.5	53.2	11.8	69	sw.	16	7.2	.....	1 c	0	.....	.....	0	0	clear	F. H. Brandenburg
Wilmington, N Carolina	30.00	763.5	30.12	765.0	53.0	11.7	48	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.79	731.3	30.18	766.6	40.2	4.6	92	se.	12	5.4	.....	.....	10 s	.....	se.	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.77	756.1	29.92	760.0	50.6	10.3	79	nw.	2	0.9	.....	0	9 s	.....	nw.	0.03	0.8	cloudy	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.79	756.7	29.81	757.2	17.2	— 8.2	97	e	1	0.4	.....	0	3 k	.....	.....	0.01	0.3	clear	George Oherulck.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	82	27.8	.....	ne.	.....	.....	2	0	3 k	.....	ne.	0	0	fair	W. P. Jackson.
Bogota, U. S. C	22.04	559.7	.....	.....	51.8	11.0	86	s.	2	1	.....	0	7 k	.....	nw.	0	0	.....	Joaquin Gomez.
Ohimo, Fort, Ungava	29.79	759.7	29.93	760.2	21	— 6.1	100	n.	22	9.8	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.05	763.3	70.8	21.6	85	n.	1	0.4	.....	0	0	.....	.....	0	0	clear	Robert Johnston.
Paramaribo, S. A	30.03	762.7	30.03	762.7	74	23.3	95	ne.	.....	.....	3	.....	10 n	e.	e.	0.400	10.2	rainy	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.43	747.5	29.99	761.7	79	26.1	95	n.	.....	.....	1	.....	10 ks	s.	s.	0	0	cloudy	Francisco J. Olsners.
Rivas, Nicaragua, C. A	.....	.....	.....	.....	75	23.9	84	ne.	.....	.....	2	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A	30.17	766.3	30.24	768.1	—13.5	—25.3	.....	n	10	4.5	.....	1 c	2 s	n.	n.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.01	762.3	30.02	762.5	77.7	25.4	83	n.	6.5	2.9	.....	.....	4 k	.....	n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	29.95	760.7	30.02	762.4	72.7	22.6	89	nw.	.....	.....	4	.....	1 k	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
										Amount and kind.		Direction.						
						Direction.	Velocity.		Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Alvo, off Port au Prince, Hayti W. I.			76	24.4		calm			0		1		calm	0	0			clear.
S. S. Arizona, N. 41° 00′, W. 64° 54′	29.48	748.8	41	5.0		nw			3		3		w.	0	0	sm'h		fine.
S. S. Adriatic, N. 46° 33′, W. 71° 35′†	29.72	754.9				nnw.			6				nw.			r'gh	nw.	stormy.
S. S. America, N. 36° —′, W. 58° 30′*	29.30	744.2	65	18.3	84	s.			5		3		sw.	0	0	cross	ssw.	fair.
S. S. Athos, N. 24° 00′, W. 74° 18′						nw.			3		0			1 h'r	1 h'r	sm'h		clearing.
S. S. City of Augusta, N. 37° 20′, W. 74° 58′						nnw.			7		4		nw.	0	0			clear.
S. S. Celtic, N. 41° 20′, W. 49° —′			60	15.6	76	s.			5		9		ssw.	5 h'r	5 h'r	con.		
S. S. Donau, N. 48° 52′, W. 22° 51′						wnw.			3		10		e.	3 h'r	3 h'r	light	nw.	covered.
S. S. Canada, (Br) N. 41° 00′, W. 54° 06′	29.55	750.6	66.2	19	63	se.			5		5 k		se.			h'vy	s.	cloudy.
S. S. Elysia, N. 40° 17′, W. 61° 55′*	29.35	745.5	54	12.2	80	w.			5		9		w.	2 h'r	2 h'r	mod.	w.	cloudy.
S. S. France, N. 40° 52′, W. 54° 10′*†	29.51	749.5				sse.			5		8		s.			large	ssw.	stormy.
S. S. Iowa, N. 42° 15′, W. 55° 03′			56	13.3		se.			6		6		se.	4 h'r	4 h'r	r'gh	se.	misty.
Schr. John Bracewell, Chester, Del.			32	0.0		nw.			6		0			0	0			clear.
S. S. Main, N. 52° 00′ E. 2° 40′	29.80	756.9	46.4	8.0		se.			2		3		se.	0	0	sm'h	se.	fair.
S. S. Nurnberg, N. 47° 53, W. 20° 55′	30.05	763.3	50.9	10.5		wnw			2		10		nw.	0	0	sm'h	nw.	covered.
S. S. Nessmore, N 41° 16′, W. 62° 10′	29.34	745.2	50	10.0	86	nw.			6		4		w.	10 h'r	10 h'r	long	w.	cloudy.
S. S. Orinoco, N. 39° 10′, W. 72° 20′ †	29.75	755.6	34	1.1		nw.			8		9		nw.	0	0	mod.	nw.	gale.
S. S. Pennsylvania, N. 39° 33′, W. 62° 45′			48	8.9	92	w.			4		5		w.	3 h'r	3 h'r	mod.	w.	
S. S. Rhaetia, N. 43° 40′, W. 46° 32′			59	15.0		s.			6		10		s	0	0	r'gh	s.	cloudy
S. S. Rugia, N. 41° 45′, W. 56° 05′						nw.			5		10		nnw.	8 h'r	8 h'r	5	s.	cloudy.
S. S. Rhynland, N. 41° 18′, W. 47° 01′	29.90	759.4	64	17.8		s.			2				s.	2 h'r	2 h'r	light	s	cloudy.
Bg. Rising Sun, N. 30° 07′, W. 63° 00′†	29.50	749.3	68	20.0		wnw.			6		1		wnw.	0	0	long	wnw.	
S. S. State of Florida, N. 45° 32′, W. 45° 04′*	29.82	757.4	56	13.3		sw.			4		8		sw.	4 h'r	4 h'r	h'vy	ssw.	foggy.
S. S. Salerno, N. 41° 48′, W. 57° 10′†	29.45	748.0	02?	16.7?		sse.			6		10		sse.	0	0	h'vy	sse.	rainy.
S. S. Salier, N. 44° 12′, W. 46° 53′	29.88	758.9				ssw.			3		10		sw.	0	0	high	s	cloudy.
S. S. Samaria, N. 42° 23′ W. 64° 06′			38	3.3		wnw.			4		8		w.	5 h'r	5 h'r		ssw.	cloudy.
Bk. Tuck Sing, N. 27° 55′, W. 79° 57′ *†	30.00	762.0				n.			4		0			0	0	cross	nnw.	hazy.
S. S. Valencia, Puerto Cabello, Venezuela †	29.98	761.5	79	26.1	82	sw.			1		2		calm	0	0			clear.
S. S. Westernland, N. 40° 30′, W. 67° 23′	29.48	748.8	45	7.2	84	w.			1		2		w.	0	0			clear.
S. S. Ontario, N. 41° 26′, W. 49° 21′			49?	9.4?	100	se.			2		fg			2 h'r	2 h'r	h'vy	s.	foggy
S. S. Cienfuegos, N. 25° 40′, W. 76° 50′	29.99	761.7	78	25.6		n.			3		0			0	0	small	n.	hazy.
S. S. Elbe, N. 48° 58′, W. 25° 30′	30.15	765.7	51.8	11.0		nnw.			4		4		nnw.	0	0	long	n.	fair.
S. S. Frisia, N. 49° 15′, W. 19° 30′	29.98	761.5	52.2	11.2		wnw.			5		4?		wnw.	2 h'r	2 h'r	long	nw.	covered.?
Schr. Adda Doane, N. 31° 40′, W. 73° 25′†	29.94	760.5				nw.			7		5		n.	2 h'r	2 h'r	long	nnw.	fair.
S, S. Baltic, N. 45° 15′, W. 37° 07′*†	30.16	766.1				s.			4		8		sw.			mod.	sw.	fair.
S. S. Chalmette, N. 37° 45′, W. 74° 45′*†	29.97	761.2	34	1.1		nw.			6		0			0	0	r'gh	nnw.	clear
S. S. D. J. Foley, N. 29° 04′, W. 74° 05′†	29.97	761.2	70	21.1	70	n.			6		4		n.	0	0	cross		clear.
S. S. Erin, N. 49° 42′, W. 9° 14′			48	8.9		calm			0		3		nw.	0	0	long	wnw.	clear.
S. S. Grecian, N. 51° 57′, W. 16° 44′	29.70	754.4	43	6.1	83	w.			6		10		w.	2 h'r	2 h'r	high	nw.	squally.
Bg. John Wesley, Sagua la Grande, Cuba, W. I.						nnw.			4		0			0	0			clear.
S. S. Lone Star, N. 30° 05′, W. 80° 45′*†	30.08	761.0	67	19.4		ne.			3		0			0	0	sm'h		hazy.
S. S. Normandie, N. 49° 24′, W. 9° 40′ *†	29.77	756.0	50.0	10		nw.			3		7		nw.	2 h'r	2 h'r	light	w.	fair.
S. S. Ohio, (Am.) N. 46° 37′, W. 28° 22′			43.5	6.4	100	w.			4		7		w.	4 h'r	4 h'r	mod.	nw.	clear.?
S. S. Rosse, N. 16° 04′, W. 53° 16′	30.03	762.7	77	25.0	82	e.			4		0			0	0	sm'h		fine.
S. S. St. Laurent, Havre, France			64.4	18		ne.			3		8		ne.	0	0			misty.
Bgt. Sunlight, N. 30° 18′, W. 71° 00′ *†	29.78	756.4				nw.			5		5		wnw.	0	0	sm'h	nnw.	fair.
Schr. Viola Reppard, N. 23° 20′, W. 79° 35′			78	25.6		nw.			4		0			0	0	chop	nw.	clear.
U. S. S. Kearsarge, Port Said, Egypt	29.96	761.0	66	18.9	74	nne.			3		0							clear.
U. S. S. Lancaster, N. 34° 52′, E. 34° 43′	29.97	761.2	67	19.4	79	ne.			2		2					sm'h		fair.
S. Cornelius, N. 43° 11′ W 15° 15′ †	30.01	762.2	54.5	12.5		nne.			5		5		ne.	0	0	long	wnw.	fair.
U. S. S. Alliance, Kingstown, St. Vincent, W. I.	29.99	761.7	78	25.6	78	ne.			3		2		calm	light	light	sm'h		fair.
U. S. S. Galena, N 17° 18′, W. 71° 43′*	29.97	761.2	80	26.7	70	n.			1		5		n.			sm'h		fair.
U. S. S Jamestown, Guadeloupe, W. I.	30.02	762.5	75	23.9	77	ese.			2		10					sm'h		cloudy
U. S. S. Portsmouth, St Thomas, W. I	30.03	762.7	76	24.4	91	ne.			1		2		ne					clear.
U. S. S. Saratoga, N. 39° 00′, W. 14° 44′	29.87	758.7	54	12.2	74	nne.			5-7		2		nne.	light	light	r'gh	n.	fair.
U. S. S. Swatara, N. 23° 05′, W. 84° 30′	30.06	763.5	78	25.6	91	ne.			2		2		ne.	0	0	sm'h	ne.	fair.
U. S. S Yantic, N. 29° 05, W. 71° 40′			68	20.0	69	nw			5		5		sw.			mod.	nw.	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.95	760.7	65	18.3	73	ese.			3		2		ese.					d. clouds.
H. M. S. Alecto, N. 5° 04′, W. 1° 14′	29.82	757.4	82	27.8		n.			1		10					4	ssw.	overcast.
H. M. Dockyard, Bermuda, Atlantic	29.52	749.8	63	17.2	67	sw.			6		6		wsw.					squally.
H. M. S. Minotaur, Suda Bay, Mediterranean	29.91	759.7	62.5	16.9	74	e.			2		5		wsw.					d. clouds.
H. P. M. S. Bengo, N. 12° 21′, W. 16° 55′	29.93	760.3	69.8	21.0	73	ene.			3		5		wsw.	0	0	3	ene.	d. clouds
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.87	758 7	77.9	25.5	88	ne.			7		10		ne.	1 h'r	1 h'r	8	ne.	raining.
S. S. British Prince, N. 51° 08′, W. 10° 42			51	10.6	72	wsw.			3		6		w.			mod	w.	showery.
S. S. Sardinian, N. 42° 45′, W. 59° 49′	29.29	744.0	38	3.3		sw.			4					4 h'r	4 h'r	mod.	sw.	foggy.
S. S. Ailsa, N. 16° 54′, W. 72° 54′			79.5	26.4	89	calm			0		2			0	0			fine.
S. S. Alps, N. 18° 21′, W. 65° 36′			79	26.1		calm			0		0			0	0	sm'h		fine.
S. S. Dorian, Valencia, Spain	29.53	750.0				nne.			3		8			shr's	sh'rs			clearing.
S. S. Furnessia, N. 52° 49′, W. 24° 04′	30.03	762.7	42	5.6		nnw.			7		10		ne.	4 h'r	4 h'r	cross	ne.	stormy.
S. S. Galatia, N. 42° 32′, W. 9° 50′			55	12.8		nne.			7		9		nne.	6 h'r	6 h'r	high	nne.	stormy.
S. S. Landaff City, N. 51° 14′, W. 18° 41′*†	29.80	756.9	52	11.1		wnw.			7		9		nw.	rain	rain	light	wnw.	squally.
S. S. Bothnia, N. 41° 06′, W. 52° 32′	29.54	750.3	66	18.9		sse.			5		10		s.	2 h'r	2 h'r	long	sse.	gloomy.
S. S. Westphalia, Hamburg, Germany	29.90?	759.4?	40?	4.4?		s.			1		4		s.	0	0			fair.
S. S. Virginian, N. 41° 16′, W. 46° 43′			61	16.1		sse.			5				s.	0	0	mod.	s.	
S. S. Hevelius, N. 29° 20′, W. 19° 19′			64	17.8		n.			6		6		nne.	1 h'r	1 h'r	long	nne.	cloudy.
S. S. Archimede, (It.) N. 41° 40′, E. 3° 17′†	29.57	751.1	58	14.4		ne.			5		8		ene.	14 h'r	14 h'r	hv'y	ene.	cloudy.
S. S. Picqua, N. 38° 26′, E. 9° 53′			58	14.4	76	se.			2				se.	2 h'r	2 h'r		wnw.	cloudy.
S. S City of Merida, N. 25° 20′, W. 80° 00′			71.6	22.		nw.			2		0			0	0	light	n.	fine.
S. S. Italy, N. 43° 03′, W. 39° 40′*	30.10	764 5	61.5	16.4	100	sse.			4		8		sse.	0	0	mod.	sse.	cloudy.
S. S. Neckar, N. 40° 08′, W. 69° 45′	29.61	752.1	34.7	1.5	100	wnw.			6		10		nw.	0	0	r'gh	wnw.	cloudy.
S. S. Muriel, St. Kitts, W. I.	30.06	763 5	78	25.6		ese.			3		0			0	0	sm'h		clear.
S. S. Pennland, Antwerp, Belgium			50	10.0	86	ene.			1				e.	0	0			fine.
S. S. Waesland, N. 48° 04′, W. 25° 00′	30.20	767.1	56	13.3		w.			6		6		w.	0	0	long	nw.	cloudy.
S. S. Amsterdam, N. 49° 38′, W. 13° 57′			60.1	15.6	77	nw.			3		6		nw.	0	0	high	e.	fair.
S. S. State of Nebraska, N 40° 29′, W. 68° 19′			41	5.0		nnw.			4		9		n.	0	0			cloudy.
S. S. Saxon, Philadelphia, Pa			36?	2.2?		nw.			0		0			0	0			fine.
S. S. Lepanto, N. 34° 07′, E 24° 13′			61	16.1		se.			5		5?		sw.	2 h'r	2 h'r	mod.	ese.	overcast ?
S. S. Marengo, N. 51° 11′, E. 1° 26′			55	12.8		wsw.			1		4		calm	2 h'r	2 h'r	sm'h		hazy.
Bg. Alcira, N. 30° 07′, W. 67° 35′			65	18.3	73	nw.			6-7		5		nw.	1 h'r	1 h'r		nw.	gale.
Schr. Arthur Burton, Ponce, Porto Rico, W. I†	29.97	761.2				ne.			1		1		ne.	0	0	sm'h		fine.
Schr. Annie R. Lewis, N. 35° 00′, W. 69° 11′ †	29.70	754.4	61	16.1		nw.			5		9		nw.	1 h'r	1 h'r	cross	n; sw.	cloudy.
Schr. Annie A. Holton, N 37° 16′, W. 73° 10′ *†	29.96	761.0	54	12.2		n			8		5		n.	0	0	r'gh	n.	fair.
Bk. Anreola, N. 38° 59′, W. 44° 53′			66	18.9	89	s.			6·		9		s.	0	0	h'vy	sse.	cloudy.
Bg. Abbie Clifford, N. 14° 47′, W. 60° 04′†	29.99	761.7	80	26.7		ne			4		2		e.			light	ese.	fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	29.99	761.7	78	25.6		calm			0		6		ene.	4 h'r	4 h'r			fair.
S. Annie, Bayonne, N. J						nnw.			8					0	0			clear.
Schr. Abbie H. Gheen, N. 35° 00′, W. 75° 10′* †	30.00	762 0	55	12.8		n.			8									clear.
Bk. Alpha, N. 18° 26′, W. 51° 45′ *†	30.02	762.5	76	24.4		e.			5		6		e.	0	0	sm'h		cloudy.
Bk. Bore, N. 4° 41′, W. 24° 49′			82	27.8		n.			4		3		n.	0	0	sm'h	n.	fair.
S. S. Bracadalle, N. 35° 50′, E. 15° 00′			66	18.9		ese.			4		1		ene.	0	0	light	se.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana			76	24.4		e.			4		10		ene.	6 h'r	6 h'r			cloudy.
Bk. Cato, N. 39° 55′, W. 11° 26′†	29.76	755.9	58	14.4	88	n.			6		6		nne.	12 h'r	12 h'r	cross	n.	cloudy.
Bk. C. S. Bushnell, N. 36° 21′, W. 2° 14′	29.63	752.6				s.			2		2		s.	0	0	sm'h	wnw	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
S. David Stewart, N. 35° 29′, W. 75° 00′	.....	.....	52	11.1	.....	nw.	.....	.....	2	.....	8†	.....	nw.	o	o	rg'h	nw.	clear.†
S. E. B. Sutton, N. 41° 20′, W. 30° 10′*†	30.45	773.4	56	13.3	81	nw.	.....	.....	1	.....	5	.....	.....	o	o	sm'h	w.	fair.
Bk. Esmeralda, N. 57° 47′, W. 11° 30′	29.52	749.8	.....	.....	.....	calm	.....	.....	0	.....	9	.....	w.	3 h'r	3 h'r	.....	.....	
U. S. Fish Com. S.S. Fish Hawk, Kings Ferry, Fla	.....	.....	48	8.9	.....	calm	.....	.....	0	.....	0	.....	.....	o	o	.....	.....	clear.
Bg. George, N. 17° 50′, W. 67° 00′*†	30.05	763.3	.....	.....	.....	e.	.....	.....	1	.....	2	.....	.....	o	o	sm'h	.....	clear.
S. Grecian, N. 25° 20′, W. 47° 56′†	30.22	767.6	74	23.3	72	se.	.....	.....	5	.....	4	.....	se.	light	light	sm'h	nw.	clear.
Bk. Galeon, N. 14° 41′, W. 34° 25′	.....	.....	73	22.8	.....	ene.	.....	.....	5	.....	9	.....	ene.	light	light	mod.	ene.	
Bk. Heinrich & Tonio, N. 41° 08′, W. 55° 56′*†	29.46	748.3	58	14.4	91	sw.	.....	.....	4	.....	10	.....	.....	16 h'r	16 h'r	r'gh	sw.	rainy.
Bk. Hattie G. McFarland, Aspinwall, U.S.C.	.....	.....	78	25.6	.....	n.	.....	.....	5	.....	6	.....	n.	o	o	.....	.....	
S. Henry Failing, N. 39° 07′, W. 37° 50′*†	30.33	770.4	65	18.3	73	se.	.....	.....	6	.....	10	.....	se.	18 h'r	18 h'r	mod.	sse.	raining.
Schr. Jennie N. Huddell, off Hog Island, Va†	30.10	764.5	45	7.2	.....	nnw.	.....	.....	7	.....	2	.....	n.	o	o	chop	ne.	clear.
Bg. John Welsh, jr., N. 17° 09′, W. 64° 20′ †	30.01	762.2	.....	.....	.....	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I.†	30.05	763.3	.....	.....	.....	nne.	.....	.....	1	.....	0	.....	.....	o	o	.....	.....	clear.
Schr. Jenny Greenbank, Orinoco river Venezuela	.....	.....	77	25.0	.....	ene.	.....	.....	2	.....	6	.....	ene.	1 h'r	1 h'r	.....	.....	fair.
Light-house tender Laurel, Cape San Blas, Fla †	30.02	762.5	65	18.3	.....	ne.	.....	.....	2–3	.....	0	.....	.....	o	o	.....	.....	clear.
S. S. Madrid, N. 35° 54′, W. 46° 48′†	30.07	763.8	65	18.3	94	s.	.....	.....	5	.....	8	wsw.	s.	o	o	mod	s.	
Schr. Maggie Abbott, N. 28° 00′, W. 72° 38′*†	29.88	758.9	.....	.....	.....	n.	.....	.....	5	.....	3	.....	n.	o	o	cross	n.; s.	clear.
S. S. Mendoza, N. 11° 54′, W. 48° 05′	30.05	764.3	.....	.....	.....	ene.	.....	.....	3	.....	.....	.....	ene.	o	o	sm'h	ene.	clear.
Bg. Rosalie, N. 30° 22′, W. 28° 36′*†	30.28	769.1	.....	.....	.....	nne.	.....	.....	4	.....	0	.....	.....	o	o	mod.	ane.	clear
Bkt. Rosebud, N. 43° 15′, W. 15° 56′*	29.94	760.5	53	11.7	.....	nne.	.....	.....	6	.....	2	.....	nne.	rain	rain	.....	.....	
S. Salisbury, N. 40° 00′, W. 61° 01′	30.36	771.1	52.2	11.2	87	w.	.....	.....	5	.....	10 ks	.....	w.	10½	hours	r'gh	s.	cloudy.
Bk. Saga, N. 33° 27′, W. 72° 59′ †	29.84	757.8	65	18.3	.....	.....	.....	.....	.....	.....	3	.....	nnw.	½ h'r	½ h'r	.....	.....	stormy.
Bk. Sunbeam, Lisbon, Portugal†	29.67	753.6	61	16.1	82	nw.	.....	.....	4	.....	4	.....	nw.	o	o	.....	.....	fair.
S. Stephen D. Horton, N. 44° 28′, W. 36° 24′	.....	.....	.....	.....	.....	ssw.	.....	.....	3	.....	4	.....	wsw.	o	o	mod.	wsw.	clear.
Bk. Silica, N. 60° 04′, W. 11° 41′*	29.36	745.7	.....	.....	.....	s.	.....	.....	6	.....	5	.....	ssw.	rain	rain	long	w.	fair.
S. Tsemogora, N. 37° 51′, W. 64° 57′*†	29.37	746.0	.....	.....	.....	nnw.	.....	.....	3	.....	7	.....	nw.	rain	rain	short	sw.	cloudy.
Bk. Tros, N. 20° 27′, W. 50° 58′	.....	.....	76	24.4	.....	s.	.....	.....	3	.....	4	.....	e.	o	o	sm'h	e.	
S. Vincenzo Accame, N. 34° 19′, E. 27° 58′†	29.93	760.2	62.6	17	.....	s.	.....	.....	3	.....	10	.....	sw.	o	o	sm'h	.....	
Bk. Idaho, N. 34° 15′, W. 71° 49′ *†	29.83	757.7	.....	.....	.....	nw.	.....	.....	7	.....	7	.....	nw.	o	o	r'gh	nw.	squally.
Bg. Lilian, N. 38° 00′, W. 73° 00′	.....	.....	30	— 1.1	.....	nw.	.....	.....	8	.....	.....	.....	unw.	o	o	r'gh	nw.	hazy.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	76	24.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	4 h'r	4 h'r	.....	.....	raining.
S. S. Leipzig, N. 19° 09′, W. 23° 25′*	30.08	764.0	75.0	23.9	68	ne.	.....	.....	4	.....	5	.....	ne.	o	o	mod.	ne.	fair.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, S. Africa	29.86	758.4	69	20.6	80	wnw.	5	2.2	.....	.....	2	.....	nw.	o	o	sm'h	.....	fair.
U. S. S. Pensacola, S. 9° 53′, W. 15° 22′†	29.99	761.7	81	27.2	78	se	.....	.....	3	.....	2	.....	se.	o	o	light	e.	clear.
H. M. S. Amethyst, Montevideo, Uruguay	29.81	757.2	68.5	20.3	92	calm	.....	.....	0	.....	3	se.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Boadicea, S. 19° 22′, E. 12° 19′	29.82	757.4	65	18.3	73	sse.	.....	.....	1	.....	2	ssw.	.....	.....	.....	4	s.	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	30.01	762.2	65	18.3	73	ese.	.....	.....	1	.....	2	ese.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, S. 36° 58′, W. 47° 13′	29.87	758.7	70	21.1	97	sw.	.....	.....	10	.....	.....	.....	.....	.....	.....	3	nw.	showery.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.82	757.3	79.2	26.2	78	wnw.	.....	.....	2	.....	3	.....	nw.	o	o	2	.....	blue sky.
Bk. Adelaide, S. 9° 21′, W. 34° 50′*†	29.94	760.4	82	27.8	.....	ene.	.....	.....	6	.....	8	.....	ne.	6 h'r	6 h'r	mod.	e.	cloudy
Bk. Achille F., S. 9° 45′, W. 31° 45′*†	29.94	760.5	84	28.9	81	e.	.....	.....	4	.....	8	.....	e.	3 h'r	3 h'r	mod.	e.	cloudy.
S. Frank N. Thayer, S. 12° 45′, W. 27° 06′*†	29.96	761.0	.....	.....	.....	e.	.....	.....	4	.....	2 k	.....	e.	o	o	sm'h	.....	blue sky.
S. Gatherer, S. 17° 03′, W. 35° 10′†	30.00	762.0	83	28.3	91	se.	.....	.....	3	.....	2	.....	se.	o	o	mod.	s.	clear.
S. Ismir, S. 2° 06′, W. 34° 38′*†	29.75	755.8	.....	.....	.....	n.	.....	.....	1	.....	10	.....	n.	o	o	.....	ese.	overcast.
Bkt. Levanter, S. 17° 55′, W. 37° 30′ *	30.08	764.0	83	28.3	.....	e.	.....	.....	4	.....	2	.....	ese.	o	o	mod	ese.	clear.
S. S. Olbers, S. 10° 21′, W. 35° 31′	29.96	761.0	79	26.1	91	ene.	.....	.....	5	.....	10	.....	ene.	.....	.....	5	ene.	raining.
U. S. S. Shenandoah, Flores Id, Uruguay *	29.94	760 5	67	19.4	95	calm	.....	.....	0	.....	5	.....	.....	.....	.....	sm'h	.....	fair.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.98	761.5	40	4.4	43	nne.	.....	.....	3	.....	0	.....	.....	o	o	.....	.....	clear.
U. S. S. Alert, Shanghai, China	30.10	764.5	50	10.0	86	ese.	.....	.....	4	.....	10	.....	sse.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 30° 34′, E. 149° 48′	30.04	763 0	61	16.1	66	w.	.....	.....	4	.....	5	.....	.....	.....	.....	sm'h	nw.	fair.
U. S. S. Juniata, Roze Island, Corea	30.22	767.6	40	4.4	82	nw.	.....	.....	2	.....	2	.....	.....	o	o	.....	.....	fair.
U. S. S. Palos, Shanghai, China	30.09	764.3	47	8.3	100	s.	.....	.....	3	.....	10	.....	calm	.....	.....	.....	.....	rainy.
H. M. S. Audacious, Hong Kong, China	29.90	759.4	68	20.0	84	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Cleopatra, N. 27° 16′, E. 120° 58′	29.93	760.2	.....	.....	.....	nnw.	.....	.....	6	.....	.....	.....	.....	.....	.....	4	.....	
H. M. S. Champion, Shanghai, China	30.08	764.0	50	10.0	86	se.	.....	.....	.....	.....	8	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 20′, E. 118° 37′	29.98	761.5	55.2	12.9	91	ne.	.....	.....	1–3	.....	10	.....	.....	.....	.....	1	.....	squally.
H. P. M. S. Tamega, Macao, China	29.92	759.9	75.2	24	75	calm	.....	.....	0	.....	10	.....	.....	1 h'r	1 h'r	.....	.....	overcast.
U. S. S. Monocacy, Canton, China	29.87	758.7	72	22.2	90	se.	.....	.....	1	.....	10	.....	se.	.....	.....	.....	.....	drizzling.
S. S. Arabic, N. 33° 36′, E. 151° 22′*†	29.88	758.9	60	15.6	88	nnw.	.....	.....	5	.....	5	.....	n.	o	o	mod	nw.	d. clouds.
S. S. City of Chester, near Pt Arena, Cal †	29.98	761.5	51	10.6	84	nw.	.....	.....	6	.....	.....	.....	.....	o	o	h'vy	nw.	
S. S. Oregon, San Francisco, Cal†	29.98	761.5	49	9.4	85	calm	.....	.....	0	.....	2	.....	se.	.....	.....	.....	.....	clear.
S. S. Alameda, Honolulu, Sandwich Islands†	30.00	763.5	73	22.8	95	.....	.....	.....	4	.....	.....	.....	ne.	o	o	.....	.....	clear.
S. S. Ancon, Point Arguello, Cal†	29.95	760.7	49	9.4	71	nnw.	.....	.....	3	.....	0	.....	.....	o	o	mod.	w.	clear.
S. S. Geo. W. Elder, San Francisco, Cal	.....	.....	49	9.4	85	ne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. State of California, San Francisco, Cal †	29.95	760.7	48	8.9	100	ese.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. City of Pekin, Hong Kong, China †	29.90	759.4	66	18.9	94	e.	.....	.....	5	.....	10	.....	e.	o	o	.....	.....	overcast.
S. S. City of Rio de Janeiro, N. 36° 13′, W. 125° 57′†	30.03	762.7	53	11.7	.....	nw.	.....	.....	5	.....	.....	.....	nnw.	.....	.....	long	nw.	overcast.
S. S. City of Tokio, N. 32° 57′, W. 144° 19′†	30.21	767.3	63	17.2	89	s.	.....	.....	2	.....	10	.....	s.	.....	.....	sm'h	.....	light rain.
S. S. Granada, Panama, Panama†	29.94	760.5	75	23.9	86	nw.	.....	.....	1	.....	2	.....	nw.	o	o	.....	.....	clear.
S. S. San Blas, San Jose, Guatemala †	29.86	758.4	75	23.9	91	nne.	.....	.....	2	.....	3	.....	.....	o	o	sm'h	sse.	clear.
S. S. San José, N. 35° 59′, W. 121° 41′†	30.05	763.3	56	13.3	.....	nw.	.....	.....	4	.....	4	.....	nw.	½ h'r	½ h'r	hv'y	wnw.	fine.
S. S. Benalder, N. 21° —′, E. 113° —′	29.88	758.9	74	23.3	90	sse.	.....	.....	3	.....	4	.....	s.	o	o	mod.	ne.	hazy.
U. S. S. Richmond, Blenheino Beach, China	29.89	759.2	71	21.7	100	s.	.....	.....	2	.....	10	.....	s.	.....	.....	.....	.....	rainy.
District No. 4—South Pacific.																		
U. S. S. Pinta, Talcahuano, Chili	30.11	764.8	54	12.2	87	sse.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Wachusetts, Valparaiso, Chili	29.98	761.5	55	12.8	94	calm	.....	.....	0	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
H. M. S. Esplegle, S. 34° 08′, E. 158° 39′	30.30	769 6	69	20.6	75	n.	.....	.....	3	.....	2	.....	.....	.....	.....	2	ne.	blue sky.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	30.01	762.2	59	15.0	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	foggy.
H. M. S. Lark, S. 19° 35′, E. 161° 40′	29.78	756.4	74.3	23.5	88	sse.	.....	.....	4	.....	7	.....	.....	.....	.....	4	ese.	showery.
H. M. S. Mutine, Callao, Peru	29.93	760 2	77	25.0	.....	calm	.....	.....	0	.....	4	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 23° 05′, W. 70° 41′	30.00	763.5	64	17.8	100	s.	.....	.....	4	.....	8	s.	.....	.....	.....	2	s.	misty.
S. S. Australia, N. 4° 46′, W. 168° 21′	30.02	762.5	79	26.1	91	var.	.....	.....	3	.....	4	.....	se.	.....	.....	.....	.....	fair.
S. S. City of Sydney, S. 34° 15′, E. 171° 12′*†	30.43	772.9	68	20.0	79	ene.	.....	.....	3	.....	2 k	.....	e.	.....	.....	light	ene.	clear.
U. S. S. Onward, Callao Bay, Peru*†	30.02	762.5	71	21.7	95	calm	.....	.....	0	.....	5	.....	se.	.....	.....	sm'h	w.	fair.
U. S. S. Iroquois, Caldera, Chili	30.02	762.5	61	16.1	82	nw.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.90	759.4	72	22.2	90	calm	.....	.....	0	.....	5	.....	e.	.....	.....	.....	.....	fair.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.81	757.2	86	30.0	61	wnw.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Magpie, S. 10° 20′, E. 101° 07′	29.88	758.9	82.5	28.1	80	e.	.....	.....	1	.....	2	.....	.....	.....	.....	5	sse.	blue sky.
H. M. S. Tourmaline, S. 8° 16′, E. 42° 57′	29.88	758.9	84	28.9	83	ese.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. J. W. Gildemeister, S. 6° 19′, E. 105° 10′	29.89	759.2	77.9	25.5	92	w.	.....	.....	2–5	.....	10 n	.....	.....	1 h'r	1 h'r	2	w.	overcast.
S. Orealia, S. 0° 25′, E. 80° 40′*	29 85	758.2	.....	.....	.....	wsw.	.....	.....	4	.....	5	.....	w.	o	o	sm'h	se.	fair.

International Chart I. March 30, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War:
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON MARCH 31, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Clouds. Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
ALGERIAN.																			
Nemours	.....	.....	29.68	753.8	64.0	17.8	68	se.	.....	.....	2	.....	2	.....	.....	0.102	2.6	fair	Roziere.
Algiers	.....	.....	29.69	754.2	57.6	14.2	90	se	.....	.....	2	.....	10	.....	.....	0.173	4.4	covered	Thève.
La Calle	.....	.....	29.67	753.5	72.7	22.6	54	s.	.....	.....	5	.....	4	.....	.....	0	0	cloudy	Fonfrède.
Tunis	.....	.....	29.67	753.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.72	755.0	50.9	10.5	65	n.	.....	.....	1	.....	4	.....	.....	inap.	inap.	cloudy	Forfert.
Laghouat	.....	.....	29.78	756.3	59.7	15.4	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.77	756.2	64.0	17.8	39	w.	.....	.....	3	.....	6	.....	.....	0	0	cloudy	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.14	765 5	67.2	19.6	66	sse.	3	1.3	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.10	764.5	30.28	769.1	60	15.6	88	se.	10	4.5	.....	.....	1	.....	.....	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.11	764.8	30.20	767.1	60.6	15.9	97	sw.	5	2.2	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.34	745.2	29.89	759.1	55.4	13.0	60	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.20	741.6	29.98	761.4	46.8	8.2	65	e.	16.1	7.2	.....	.....	10	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.06	738.1	29.95	760 6	50.4	10.2	56	n.	.....	.....	2	.....	9 ks	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.73	729.7	29.99	761.7	49.3	9.6	75	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.44	722.3	29.86	758.4	55.0	12.8	62	se.	.....	.....	4	.....	5	.....	.....	0.181	4.6	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.40	721.3	29.72	754.8	56.8	13.8	60	ene.	.....	.....	2	.....	0	.....	.....	0	0	clear	The Staff.
Lemberg	29.06	738.1	30.08	764.0	38.8	3.8	78	e.	.....	.....	3	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.77	756.2	29.88	759.0	60.1	15.6	69	ese.	.....	.....	2	.....	5	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.39	746.5	29.85	758.2	55.6	13.1	57	n.	.....	.....	3	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.62	752.3	29.90	759.4	56.3	13.5	66	calm	.....	.....	0	.....	7	.....	.....	0.209	5.3	.....	Karl Stancel.
Trieste	29.79	756.7	29.89	759.2	61.5	16.4	61	w.	.....	.....	1	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.19	741.3	29.91	759.6	49.5	9.7	74	se.	.....	.....	2	.....	10	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	28.25?	717.1?	28.91?	734.3?	61.0	16.1	44	sse.	.....	.....	1	.....	1	.....	.....	0	0	.....	
Brussels	29.41	747.0	29.60	751.9	60.4	15.8	49	ssw.	.....	.....	3	.....	2	.....	.....	0	0	.....	
Furnes	29.56	750.9	29.58	751.4	61.7	16.5	53	s.	.....	.....	1	.....	2	.....	.....	0	0	.....	
Maeseyck	29.90?	759.4?	30.02?	762.6?	63.5	17.5	56	sw.	.....	.....	1	.....	2	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29 39	746.5	29.49	749.0	42.0	5.6	89	se.	26	11.6	.....	.....	10	.....	.....	0.665	16.9	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.37	746.0	39.1	3.9	82	ssw.	13	5.8	.....	.....	9	.....	.....	.....	.....	d. clouds	John Harnup.
Bolton, Sharples	28.85	732.8	29.39	746.5	40.6	4.8	100	s.	18	8.0	.....	.....	10	.....	.....	.....	.....	raining	Thomas Mackereth.
Bradford, Yorkshire	28.99	736.3	29.39	746.5	45.9	7.7	69	se.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	McLandsborough & Preston.
Bridgetown, Barbadoes, W.I	29.92	760.0	29.95	760.7	84	28.9	68	e.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	46.4	8.0	88	w.	.....	.....	1.4	.....	10	.....	.....	0	0	overcast	John McLaren.
Chatham, School M. E	29.35	745.5	29.52	749.8	50.1	10.1	77	sw.	.....	.....	3	.....	10	.....	.....	blank	blank	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.25	742.9	29.48	748.8	43.5	6.4	79	ssw.	.....	.....	2	.....	9	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.58	700.5	29.89	759.2	84.0	28.9	35	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.20	741.7	29 24	742.7	39	3.9	82	s.	.....	.....	2	.....	7	.....	.....	0.39	9.9	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.71	754.6	29.81	757.2	64.0	17.8	87	w.	.....	.....	4	.....	3	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.33	745.0	29.50	749.3	51.4	10.8	82	ssw.	.....	.....	5	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.24	742.7	29.54	750.3	51.5	10.8	56	s	.....	.....	3	.....	10	.....	.....	blank	blank	overcast	A. Collenette, F.R.M.S
Kew, Observatory	29.46	748.3	29.50	749.3	51.4	10.8	72	ssw.	20	8.9	.....	.....	10	.....	.....	.....	.....	misty	The Staff.
Leicester, Museum	29.16	740.7	29.31	744.5	46.5	8.1	93	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.64	752.8	29.72	754.9	64.8	18.2	69	se.	.....	.....	3	.....	0	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.12	765.0	30.16	766.1	72.5	22.5	58	ne.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29 22	742.2	29.45	748.0	49.0	9.4	69	s.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.40	746.7	29.48	748.8	41.2	5.1	96	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.42	747.3	29.52	749.8	43	6.1	92	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. H. Lyne.
Sheffield	29.16	740.7	29.42	747.3	45.8	7.7	80	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	W. F. Cooper.
Silloth Rectory	29.32	744.7	29.35	745.5	40.5	4.7	25	ssw.	.....	.....	2	.....	10	.....	.....	0.170	4.3	raining	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.39	746.5	41.2	5.2	83	s.	24	10.7	.....	.....	10	.....	.....	0.215	5.5	raining	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	51.2	10.7	69	sw.	.....	.....	1.5	.....	10	.....	.....	.....	.....	showery	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.23	742.4	29.25	742 9	45.7	7.6	62	sw.	20	8.9	.....	.....	10	.....	.....	.....	.....	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.48	748.8	29.87	758.7	64.0	17.8	67	s.	6.8	3.0	.....	0	0	.....	.....	0	0	misty	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.73	755.1	29.85	758.2	66.4	19.1	100	e.	9	4.0	.....	..	10 n	.....	.....	0.770	19.6	cloudy	The Staff.
CANADIAN.																			
Bathurst, N. B	29.60	751.8	29.64	752.8	26.0	— 3.3	.....	sw.	1.5	0.7	.....	5 c	0	n.	.....	0	0	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.50	749.3	29.54	750.3	27	— 2.8	86	nw.	11	4.9	.....	.....	10 n	.....	.....	0.03	0.8	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.57	751.1	29.63	752.6	25	— 3.9	80	nw.	8	3.6	.....	0	0	.....	.....	0.01	0.3	clear	G. A. Blair.
Cornwall, Ontario	29.95	760.7	30.16	766.1	11.1	— 9.9	76	n	.....	.....	2	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.62	752.3	29.67	753.6	25.0	— 3.9	.....	w.	.....	.....	2	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec*	29.78	756.4	29.81	757.2	21	— 6.1	87	n.	16	7.2	.....	5 cs	2 ks	calm	n.	inap.	inap.	fair	J. McWilliams
Fort Garry, Manitoba*	29.09	738.9	29.94	760.5	33	0.6	96	nw.	0	2.7	.....	.....	10 n	.....	.....	0.40	10.2	dens- mist	James Stewart.
Fredericton, N. B	29.63	752.6	29.70	754.4	24.1	— 4.4	73	nw.	10	4.5	.....	9 ck	0	.....	.....	inap	inap.	d. clouds	Dr. Thos. Harrison.
Grand Manan, N. B	29.60	751.8	29.66	753 4	24	— 4.4	84	n.	19	8.5	.....	.....	10 n	.....	n.	0.01	0.3	cloudy	J. Chipman Seeley
Granton, Ontario	29.19	741.4	30.38	771.6	21.3	— 5.9	96	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.40	746.7	29.54	750.3	30	— 1.1	88	n.	9	4.0	.....	.....	10 n	.....	.....	0.010	0.3	light snow	A. Allison.
Hamilton, Ontario	29.84	757.9	30.28	769.1	27.5	— 2.5	75	nw.	.....	.....	2	4 c	0	w.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.87	758.7	30.23	767.8	18	— 7.8	76	n.	18	8.0	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A.
Little Glace Bay, N. S	29.31	744.5	29.35	745.5	33.0	0.6	89	sw.	2	0.9	.....	.....	10 n	.....	.....	0.200	5.1	overcast	C. H. Rigby.
London, Ontario	29.40	746.7	30.37	771.4	20.8	— 6.2	85	calm	.....	.....	0	4 k	0	.....	.....	0	0	d. clouds	E. B. Reed.
Medicine Hat, N. W. T	27.67	702.8	30.06	763.5	25	— 3.9	96	e.	1	0.4	.....	0	0	.....	.....	0	0	blue sky	John Ewart.
Minnedosa, N. W. T	28.01	711.4	30.00	762.0	30	— 1.1	92	n.	2	0.9	.....	.....	0	.....	.....	0	0	cloudy	Rev. J. M. Wellwood
Montreal, Quebec*	29.90	759.4	30.12	765.0	15	— 9.4	73	w.	11	4.9	.....	0	0	.....	.....	0	0	blue sky	C. H. McLeod, C. E.
Ottawa, Ontario	29.98	761.5	30.22	767.6	13.0	—10.6	78	nnw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.0	751.8	30.36	771.1	12	—11.1	83	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.49	749 0	30.28	769.1	19.4	— 7.0	67	nw.	.....	.....	2	0	0	.....	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.30	744.2	30.03	762 7	29	— 1.7	96	ne.	6	2.7	.....	.....	0	fg.	.....	0.14	3.6	dense fog	W. P. Cooke.
Port Dover, Ontario	29.66	751.8	30.32	770 1	25	— 3.9	87	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.66	753 4	30.35	770.9	22	— 5.6	84	nw.	3	1.3	.....	0	2 k	.....	nw.	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27 76	705.1	30.10	764.5	31	— 0.6	.....	nw.	3	1.3	.....	.....	10 s	.....	nw.	0	0	cloudy	Leslie Gordon.
Quebec, Quebec*	29.55	750.6	29.94	760.5	15	— 9.4	91	w	12	5.4	.....	5 cs	0	w.	.....	0	0	fair	Capt. Asne, R. N.
Rockliffe, Ontario*	29.77	756.1	30.27	768 8	12	—11.1	83	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.62	752.3	29.68	753.9	22	— 5.6	73	n.	10	4.5	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	
St. John, N. B	29.48	748.8	29.63	752.6	20.0	— 3.3	87	nw.	16	7.2	.....	5 k	5 k	n.	.....	inap.	inap.	overcast	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.37	746.0	39.2	4.0	.....	sw.	.....	.....	2	.....	0	.....	.....	0	0	clear	The Commandant.
Saugeen, Ontario	29.57	751.1	30.33	770.4	27	— 2.8	92	sw.	2	0.9	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A
Stratford, Ontario	28.98	736.1	30.34	770.6	23.8	— 4.6	59	nw.	3	1.3	.....	0	0	.....	.....	.....	.....	.....	.....

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN—Continued.																			
Sydney, C. B*	29.31	744.5	29.37	746.0	33	0.6	88	nw	5	2.2	.....	.....	10 n	.....	.....	0.04	1.0	light snow	T.C.Hill, C.E.
Toronto, Ontario*	29 94	760.5	30.36	771.1	24	— 4.4	70	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	Magnetic Observatory.
Woodstock, Ontario	29.23	742.4	30.37	771.4	23.1	— 4.9	69	W.	3	1.3	.....	1 cs	0	n.	.....	0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.53	750 0	29.59	751.6	28	— 2.2	80	n.	13	5.8	.....	.....	10 n	.....	.....	0.08	2.0	light snow	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.96	761.0	29.99	761.7	64.0	17.8	89	sw.	.....	.....	.....	0	4 k	.....	.....	0	0	fine	I. Garfelt.
Cape Town, The Castle	29.97	761.2	.....	.....	68.0	20.0	52	nw.	.....	.....	.....	1 ck	0	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.92	709.2	.....	.....	78	25.6	46	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	29.52	749.7	29.62	752.4	48.9	9.4	76	e.	.....	.....	3	.....	4	.....	w.	0	0	cloudy	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	55.4	13.0	82	se.	.....	.....	1	6 s	.....	se.	.....	0	0	fair	Leon Herrera.
Valparaiso	29.82	757.4	29 96	761.0	56.8	13 8	91	s.	.....	.....	1	0	0	.....	.....	.....	.....	clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.06	763 4	30.08	764.0	48.0	8.9	94	nnw.	2.9	1.3	.....	.....	10	.....	.....	0.449	11.4	covered	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.95	760 6	29.99	761.8	45.7	7.6	67	se.	29	13	.....	.....	5	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	29.76	755.9	29.78	756.4	47.1	8.4	77	ese.	.....	.....	6	.....	8	.....	.....	.....	.....	.....	Overloerer Lauridsen.
Godthaab, Greenland	30.27	768.8	30.31	769.9	33.1	0.6	85	s.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Greenland	30.37	771.4	30.39	771.9	35.2	1.8	.....	calm	.....	.....	0	.....	7	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	30.12	765.0	30.16	766.1	36.1	2.3	77	ne.	.....	.....	7	.....	0	.....	.....	.....	.....	.....	A. O. Thoriacius.
Thorshavn	29.77	756.2	29.80	756.8	43.5	6.4	90	e.	20	9	.....	.....	10	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	30.43	772.9	30.48	774.1	— 6.3	—21.3	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	
Vestervig	29.76	755.8	29.85	758.1	46.6	8.1	71	e.	.....	.....	4	.....	9	.....	.....	.....	.....	.....	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.73	755.2	.....	.....	81.7	27.6	.....	ne.	4.7	2.1	.....	.....	0	.....	.....	0	0	.....	Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School	29.11	739.3	29.75	755 6	61.5	16.4	66	se.	.....	.....	1	.....	10 n	s.	se.	0	0	misty	M. Labroue, Director.
Alençon, Normal School	29.07	738.3	29.62	752.3	49.6	9.8	95	e.	.....	.....	1	.....	10 n	.....	w.	0	0	covered	M. Nicot, Director.
Arras, Normal School	29.30	744.2	29.45	748.1	63.5	17.5	34	se.	.....	.....	2	.....	1	.....	e.	0	0	clear	M. Unger er, Director.
Avignon, Normal School	29.64	752.9	29.72	754 9	56.5	13.6	73	ne.	.....	.....	1	.....	5	.....	.....	0.04	1.	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.13	739 8	29.67	753 6	58.8	14.9	40	W.	.....	.....	2	.....	2	.....	.....	0	0	slightly cl'dy	M. Saillard, Director.
Beauvais, Normal School	29.37	745.9	29.63	752.6	58.1	14.5	44	s.	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. Frère Eugène Marie.
Besançon, Normal School	28.76	730.4	29 63	752.6	65.1	18.4	46	e.	.....	.....	1	ck	.....	.....	.....	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.42	747 3	29.68	753 8	62.4	16.9	50	s.	.....	.....	1	.....	5	.....	.....	0.020	0.5	cloudy	M. Rayet, Director.
Bourges, Normal School	29.14	740.2	29.68	753.8	63.0	17.2	78	s.	.....	.....	2	.....	2	.....	s.	0	0	slightly cl'dy	M. Sauvageot, Director.
Brest, Naval Observatory	29.30	745.8	29.61	752 0	52.9	11.6	77	sw.	.....	.....	2	.....	10	.....	sw.	.....	.....	raining	M. de Kermaurée, Dir.
Caen, Normal School	29.46	748.2	29.53	750 1	57.6	14.2	95	sw.	.....	.....	1	.....	2	.....	sw.	0	0	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l	29.36	745.6	29.67	753 6	59.5	15.3	65	sw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Jadot, Director.
Charleville, Normal School	29.19	741.4	29.69	754.0	63.3	17.4	37	sse.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Noël, Director.
Clermont-Ferrand Obs'y	28.34	719 7	29.66	753.3	60.1	15.6	47	W.	.....	.....	2	.....	8	.....	s.	0	0	.....	M. Alluard, Director.
Cluny, Normal School	28.85	732.7	29.72	754 9	63.7	17.6	39	n.	.....	.....	1	.....	2	.....	sw.	0	0	slightly cl'dy	M. de Villemontée, Dir.
Commercy, Normal School	28.84	732.4	29.69	754.1	57.6	14.2	47	W.	.....	.....	4	.....	0	.....	.....	0	0	clear	Dr. Coulet, Director.
Gap, Normal School	27.26	692 4	29.79	756.7	48.6	9.2	71	s.	.....	.....	1	.....	10 n	.....	.....	0.094	2.4	.....	M. Jarach, Director.
Gréasque, du Rhone	28.60	726.3	29.71	754.5	58.1	14.5	63	se.	.....	.....	4	.....	10	.....	se.	0.028	0.7	.....	M. Kina, Director.
Grenoble.Normal School	28.92	734.6	29.67	753.6	61.9	16.6	43	.....	.....	.....	.....	.....	10	.....	.....	0	0	covered	M. Ablard, Director.
Gué et, Normal School	28 11	714 1	29.66	753.4	59.0	15.	80	sw.	.....	.....	1	.....	cn	.....	sw.	0	0	.....	M. Delorme, Dir.
Lamballe Normal School	29.31	744 5	29.59	751 5	54.3	12.4	54	sw.	.....	.....	2	c	.....	.....	sw.	0	0	.....	M. Polipre, Dir.
Lescar, Normal School	29.13	739.8	29.65	753.0	62.6	17.0	63	ssw.	.....	.....	1	.....	kn	.....	.....	0	0	.....	M. Chauvin, Director.
Lorient, Naval Observatory	29.55	750.6	29.65	753.2	54.0	12.2	56	sw.	.....	.....	4	.....	5	W.	sw.	0	0	½ covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28.63	727.3	29.66	753 4	64.8	18.2	34	se.	.....	.....	1	5 ck	.....	.....	.....	0	0	cloudy	M. André, Director.
Mans, Normal School	29.32	744.7	29.62	752.3	59.2	15.1	58	sw.	.....	.....	1	5 ck	.....	.....	sw.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.39	746.6	29.66	753.4	60.3	15.7	56	ese.	.....	.....	6	.....	9	.....	se.	0.157	4.0	sprinkling	M. Stephan, Director.
Montlouis	24.48	621.7	29.32	744 7	36.1	2.3	76	e.	5.6	2.5	.....	.....	8	ne.	.....	1.327	33.7	.....	M. Cave for Dr. Finas.
Montpellier, Normal School	29.54	750.2	29.65	753.0	51.1	10.6	100	nnw.	.....	.....	4	.....	5	ene.	.....	0.618	15.7	cloudy	M. Galzin, Director.
Nantes, Observatory	29.54	750.2	29.70	754 4	55.9	13.3	65	sse.	.....	.....	1	.....	.....	.....	.....	0	0	.....	M. Hasse, Director.
Perpignan, Observatory	29.58	751 4	29.69	754.2	52.3	11.3	88	wsw.	.....	.....	1–2	.....	10 n	.....	wsw.	0	0	.....	M. Larocque, Director.
Pic-du-Midi, Summit	20.87	530.0	.....	.....	28.0	— 2.2	.....	n.	7.4	3.3	.....	.....	10	.....	n.	0.114	2.9	.....	Dr. Fines, Director.
Privas, Normal School	28.63	727.2	29.67	753.7	60.8	16	41	calm	.....	.....	0	.....	5	.....	e.	0.244	6.2	cloudy	M. Vaussenat, Director.
Puy de Dôme Obs'y, Summit	24.87	631 7	.....	.....	39.2	4.0	87	s.	.....	.....	1	.....	10	.....	s.	0	0	covered	M. Tallieu.
Rochefort, Naval Obs'y	29.66	753.3	29.69	754 1	61.5	16.4	54	sw.	.....	.....	1	.....	8	.....	.....	0	0	.....	M Alluard.
Roche-sur-Yon, N. School	29.45	747 9	29.66	753.3	61.2	16.2	71	sw.	.....	.....	1	.....	10	.....	sw.	0	0	covered	Lt. E. Decante, Director.
Rodez, Normal School	27.66	701.1	29.71	754 7	55.6	13.1	68	W.	.....	.....	1	.....	.....	e.	.....	0	0	.....	M Brotlier, Director.
Rouen, Normal School	29.51	749.6	29.56	750.8	65.8	18.8	49	.....	.....	.....	.....	.....	10	.....	.....	0	0	covered	M. Seger, Director.
Saint Maur, Observatory	29.49	749.0	29.65	753.2	61.0	16.1	33	n.	.....	.....	1	.....	5	.....	nw.	0	0	cloudy	M. Mouillot, Dir.
Toulouse, Observatory	29.00	736 5	29.71	754.6	65.8	18.8	49	wsw.	.....	.....	1	.....	4	.....	ssw.	0	0	.....	M. Renou, Director.
Tours	29.47	748.6	29.65	753.1	63.7	17.6	47	n.	.....	.....	1	.....	8	e.	.....	0	0	very cloudy	M. Baillaud, Director.
Versailles, Observatory	29.15	740.4	29.64	752.9	63.0	17.2	39	wnw.	.....	.....	1	.....	1	.....	sw.	0	0	clear	M. de Tastes.
Sub-series.								sw.	.....	.....	2	.....	0	.....	.....	0	0	clear	Dr. A. Bernigy, Director.
St. Martin du Hinx	29.58	750.7	29.71	754.5	58.5	14.7	71	W.	15.7	7.0	.....	.....	9 k	.....	W.	0	0	.....	M. Carlier, Director.
GERMAN.																			
Ansbach	28.29	718.6	29.71	754.6	58.3	14.6	32	se.	.....	.....	4	.....	0	.....	.....	0	0	.....	Prof. Juedt.
Bamberg	28.91	734.3	29.75	756.6	59.0	15.0	51	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Dr. Hoh.
Berlin	29.71	754.6	29.85	758 2	56.3	13.5	45	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Meteorological Institute
Breslau	29.45	747.9	29.98	761.4	52.2	11.2	50	ese.	.....	.....	4	.....	4	.....	.....	0	0	.....	Royal University Obs'y
Carlsruhe	29.24	742.6	29.69	754.0	60.1	15.6	49	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	Albert Senz.
Cassel	28.99	736.4	29.71	754.5	61.2	16.2	45	sse.	.....	.....	2	.....	2	se.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.32	744 6	29.69	754.0	59.9	15.5	45	se.	.....	.....	0	.....	0	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.29	718.6	29.69	754 1	55.0	12.8	63	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	29.69	754.2	29.78	756.5	54.3	12.4	55	se.	.....	.....	6	.....	7	sw.	.....	0	0	.....	E. Preiter.
Kiel	29.77	756 1	29.78	756.5	51.1	10.6	59	e.	.....	.....	4	.....	3	.....	.....	0	0	.....	Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.40	746.7	29.82	757.5	54.0	12.2	59	se.	.....	.....	4	.....	2	se.	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	29.59	751.6	29.78	756.3	59.0	15.0	45	ese.	.....	.....	4	.....	2	.....	.....	0	0	.....	Weather Observatory.
Memel	30.17	766.4	30.22	767.6	43.3	6.3	79	W.	.....	.....	2	.....	9 k	.....	.....	.....	.....	.....	Issermann.
Munich	27.92	709.2	29.77	756.1	58.5	14.7	36	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	Central Station.
Neufahrwasser	30.11	764.9	30.13	765 3	44.6	7.0	72	se.	.....	.....	1	.....	5	se.	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.14	740.2	29.66	753.4	59.5	15.3	54	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Dicknether.
Stuttgart	28.74	730.1	29.61	752.1	63.1	17.3	34	ne.	.....	.....	1	.....	1	W.	.....	0	0	.....	Prof. Dr. Schoder.
Wustrow	29.89	759 3	29.92	759.9	50.2	10.1	74	ene.	.....	.....	4	.....	5 s	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.50	749.4	29.89	759.1	66.6	19.2	.....	s.	.....	.....	1.5	2	0	.....	.....	0	0	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.85	758.1	29.90	759.4	78.2	25.7	72	wsw.	30.0	13.4	.....	.....	6	.....	.....	0	0	d. clouds	
Deesa	29.40	746.8	29.87	758 6	93.1	33.9	14	W.	10.0	4.5	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.79	756.6	29.83	757.6	83.2	28.4	65	nnw.	27.0	12.1	.....	.....	8	.....	W.	0	0	d. clouds	
Poona, Yarrowda	27.99	710.9	29.80	756.8	91.8	33.2	19	ene.	7.0	3.1	.....	.....	8	.....	sw.	0	0	d. clouds	
Belgaum	27.29	693.1	29.77	756.2	85.7	29.8	53	wsw.	11.0	4.9	.....	.....	7	n.	e.	0.01	0.3	d. clouds	
Lahore	29.12	739.7	29.86	758.4	84.7	29.3	23	nw.	4.0	1.8	.....	.....	3	.....	.....	0	0	d. clouds	
Roorkee	28.88	733.4	29.76	755.8	88.7	31.5	17	W.	1.0	0.4	.....	.....	2	.....	.....	0	0	misty	
Agra	29.24	742.6	29.79	759.6	94.1	34.5	20	W.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.74	730.0	29.75	755.6	96.5	35.8	17	e.	3.0	1.3	.....	.....	2	W.	.....	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Jubbulpore	28.49	723.5	29.81	757.1	93.0	33.9	24	calm	0	0	.....	.....	7	.....	sw.	0	0	d. clouds	
Lucknow	29.40	746.7	29.76	756.0	95.0	35.0	22	wnw.	13.0	5.8	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.45	748.1	29.76	755.8	95.7	35.4	18	wnw.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.52	749.7	29.70	754.3	95.3	35.2	15	nw.	9.1	4.1	.....	.....	0	.....	.....	0	0	.....	
Hazaribagh	27.78	705.6	29.75	755.5	86.6	31.4	14	nnw.	18.0	8.0	.....	.....	0	.....	.....	0	0	.....	
Cuttack	29.70	754.3	29.78	756.3	88.0	31.1	52	ssw.	.....	.....	.....	.....	3	.....	.....	0	0	d. clouds	
Calcutta, Alipore	29.72	754.8	29.74	755.3	89.8	32.1	34	w.	2.5	1.1	.....	.....	0	.....	.....	0	0	blue sky	
Dhubri	29.56	750.7	29.67	753.7	84.2	29.0	51	calm	2.4	1.1	.....	.....	0	.....	.....	0	0	blue sky	
Chittagong	29.74	755.3	29.83	757.6	80.2	26.8	79	ssw.	6.9	3.1	.....	.....	0	.....	.....	0	0	misty	
Sibsagar	29.45	748.0	29.79	756.7	73.2	22.9	84	ne.	2.0	0.9	.....	.....	10	w	w.	0.50	12.7	d. clouds	
Jeypore	28.40	721.3	29.81	757.2	90.9	32.7	16	wnw.	10.5	4.7	.....	.....	5	nw.	.....	0	0	d. clouds	
Zanzibar	29.81	757.3	29.84	757.8	85.8	29.9	67	ene.	7.0	3.1	.....	.....	9	.....	ssw.	0	0	d. clouds	
Bellary	28.31	719.1	.....	.....	98.0	36.7	34	e.	8	3.6	.....	0	0	.....	.....	0	0	blue sky	
Trichinopoly	29.58	751 3	.....	.....	95.3	35.2	33	ne.	0.2	0.1	.....	3	3	.....	.....	0	0	d. clouds	
ITALIAN.																			
Udine	29.47	748.5	29.88	758.9	61.7	16.5	42	calm	0	0	.....	.....	10	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.36	745.8	29.88	758.9	55.6	13.1	66	ese.	5.6	2.5	.....	.....	9	ne.	.....	0.020	0.5	.....	Prof. G.V.Schiapparelli
Padua	29.76	756.0	29.87	758.8	59.4	15.2	53	ne.	1.8	0.8	.....	.....	7	s.	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.97	735.7	29.87	758.7	50.7	10.4	87	nnw.	3.1	1.4	.....	.....	10	.....	.....	0.492	12.5	.....	Prof. F. F. Denza.
Genoa	29.64	752.8	29.83	757.7	55.0	12.8	76	calm	0	0	.....	.....	10	s.	.....	0.193	4.9	.....	Prof. G. M. Garibaldi.
Pesaro	29 82	757.5	29.87	758.7	55.0	12.8	81	e.	10.5	4.7	.....	.....	4	ssw.	.....	0	0	.....	Prof. Luigi Guidi.
Florence	29.57	751 0	29.82	757.5	64.9	18.3	38	e.	.....	.....	2	.....	10	.....	.....	0.008	0.2	.....	Prof. Costantino Pittei.
Leghorn	29.69	754.0	29.77	756.1	61.2	16.2	81	ssw.	8.1	3.6	.....	.....	9	sw.	.....	0.020	0.5	.....	Prof. P. Monte.
Rome	29.64	752.8	29.82	757.3	66.2	19.0	35	ssw.	5.6	2.5	.....	.....	10	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	29.60	751.9	29.86	758.4	62.2	16.8	64	ne.	7.4	3.3	.....	.....	4	ne.	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	28.94	735 0	29.83	757.7	59.4	15.2	70	sw.	1.8	0.8	.....	.....	5	w.	.....	0	0	.....	Prof. D. Conti.
Palermo	29.56	750.9	29.82	757.3	63.0	17.2	66	ne.	4.9	2.2	.....	.....	0	.....	.....	0	0	.....	Prof. G. Cacciatore
Syracuse	29.76	756.0	29.81	757.1	66.2	19.0	67	e	6.3	2.8	.....	.....	8	sse.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.32	744.7	.....	.....	63.9	17.7	59	e.	0	0	.....	.....	6	nne.	.....	0	0	.....	Prof. F. Brioschi.
JAPANESE.																			
Akita	30.22	767.6	30.25	768.5	33.4	0.8	96	nw.	.....	.....	2	.....	10k;ks	.....	nw.	0	0	cloudy	H. Hattori.
Awomori	30.16	766.0	30.20	767.1	28.3	— 2.1	95	w.	2.5	1.1	.....	.....	10ks;ck	.....	w.	0.010	0.2	cloudy	K. Ogawa.
Hakodate	30.15	765.9	30.16	766.2	31.7	— 0.2	91	wsw.	10.8	4.8	.....	0	2 s	.....	.....	0	0	clear	Y. Souma.
Hamamatsu	30.09	764.3	30.19	766.8	43.7	6.5	78	ene.	.....	.....	2	.....	10 s	.....	.....	0.287	7.3	overcast	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.12	765.0	30.14	765.5	38.7	3.7	90	n.	6.9	3.0	.....	.....	10 s	.....	w.	0.831	21.1	cloudy	Y. Okamoto.
Kagoshima	29.86	758.3	29.87	758.6	53.0	12.2	87	ene.	.....	.....	6	.....	10 n	.....	e.	0.449	11.4	raining	
Kanazawa	30.11	764.8	30 21	767.4	39.0	3.9	63	n.	8.1	3.6	.....	.....	10 s	.....	.....	0.045	1.1	covered	S. Endo.
Kioto	29.98	761.6	30.16	766.0	44.0	6.7	57	ne.	1.9	0.8	.....	.....	10 s	.....	.....	0.223	5.7	cloudy	M. Tojima.
Kochi	30.07	763.9	30.10	764.4	48.1	8.9	93	w.	3.5	1.5	.....	.....	10 n	.....	.....	0.571	14.5	raining	K. Kusunose.
Miasaka	29.93	760.2	29.96	760.9	50.2	10.1	99	nne.	.....	.....	2	.....	10 n	.....	e.	2.035	51.7	raining	K. Masusaki & T. Ishitaln.
Miyako	30.12	765.0	30.23	767.8	29.3	— 1.5	64	wsw.	1.8	0.8	.....	0	0	.....	.....	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.72	754.9	29.92	759.9	49.5	9.7	89	ne.	7.8	3.5	.....	.....	10 n	.....	.....	0.580	14.7	light rain	
Nemuro	29.98	761.5	30.03	762.8	21.0	— 6.1	70	calm	0	0	.....	0	0	.....	.....	0.24	6.1	clear	A Shibuya.
Niigata	30.22	767.6	30.26	768.6	34.7	1.5	83	sw	0.9	0.4	.....	0	5 ks	.....	sw.	0.040	1.0	fair	Satoo & Tomikawa.
Nobiru	30.23	767.9	30.25	768.3	30.7	— 0.7	65	nnw.	4.7	2.1	.....	0	0	.....	.....	0.050	1.3	clear	Yoshino & Midzushina.
Numadzu	30.19	766.8	30.22	767.6	41.4	5.2	76	e.	.....	.....	1	.....	10 s	.....	.....	0.409	10.4	overcast	T. Ohgi.
Osaka	30.12	765.2	30.14	765.6	44.0	6.7	59	ene.	18.3	8.1	.....	.....	10 s	.....	.....	0.150	3.8	cloudy	d. Omura.
Sakai	30.11	764.7	30.12	764.9	45.7	7.6	79	ese.	.....	.....	4	.....	10 n	.....	s.	1.039	26.4	raining	Yamawchi & Sakamoto.
Sapporo	30.06	763.5	30.13	765.3	21.7	— 5.7	54	calm	0	0	.....	0	1 ks	.....	.....	0.006	0.1	clear	S. Kimura.
Shimonoseki	29.87	758.8	30.02	762.5	43.9	6.6	93	e.	.....	.....	4	.....	10 n	.....	.....	0.858	21.8	raining	S. Sakano.
Tokei Obs'y, Yeddo	30.16	766.0	30.24	768.0	44.8	7.1	69	s.	6.8	3.0	.....	.....	10s;ks	.....	.....	0.718	18.2	covered	The Staff.
Wakayama	30.05	763.3	30.11	764.7	46.3	7 9	64	calm	0	0	.....	.....	10s;ck	.....	w.	0.104	2.6	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.78	756.4	29.97	761.2	80.2	26.8	73	e.	14.5	6.5	.....	0	4 k	.....	ene.	0.05	1.3	fair	The Staff.
MEXICAN.																			
Leon	24.39	619.5	30.07	763.8	59.0	15.0	66	nnw.	0.9	0.4	.....	7 c	0	.....	.....	0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.76	755.9	30.02	762.6	67.0	19.4	84	nnw.	0.9	0.4	.....	.....	10 n	.....	sw.	0	0	covered	F. Quijano, C. E.
NETHERLANDS.																			
Flushing	29.60	751.9	29.60	751.9	55.2	12.9	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Groningen	29.58	751.3	29.63	752.7	53.1	11.7	.....	se.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Helder	29.60	751.8	29.60	751.8	50.0	10.0	.....	e.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	29.62	752 4	29.62	752.4	60.1	15.6	50	ssw.	.....	.....	2	.....	.....	.....	.....	0	0	slt'ly cloudy	H. van der Brink.
Utrecht	29.58	751.2	29.62	752.4	59.2	15.1	51	sse.	.....	.....	3	.....	2	.....	.....	0	0	.....	
Sub-series.																			
Batavia, Java	29.88	759.0	.....	.....	77.4	25.2	80	wsw.	1.0	0.4	.....	.....	8	.....	.....	0.031	0.8	.....	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.84	757 9	29.90	759.5	50.0	10.0	43	ese.	2	1	.....	.....	4	.....	.....	0	0	.....	
Brono	30.19	766 8	30.23	767.8	39.9	4.4	47	e.	.....	.....	6	.....	2	.....	.....	0	0	.....	
Christiania	30.01	762.2	30.10	766.0	41.5	5.3	56	e.	11	5	.....	.....	10	.....	.....	0.016	0.4	.....	
Gjæsvær	30.26	768.6	30.28	769.2	33.8	1.0	.....	sw.	.....	.....	4	.....	10	.....	.....	0.087	2.2	.....	
Lodingen	30.29	769.3	30.34	770.5	32.2	0.1	56	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
PORTUGUESE.																			
Angra, Azores	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. J. A. Sampaio.
Campo Major	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dr. A. M. R. dos Santos
Funchal, Madeira	30.05	763 2	30.13	765.4	60.1	15.6	56	nw.	1.3	0.6	.....	.....	6	.....	.....	0.028	0.7	.....	Capt. D. A. de Cunha
Lisbon, Observatory	29.50	749.2	29.83	757 7	55.8	13.2	70	n.	22.4	10.0	.....	.....	10	.....	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	30.22	767.6	30.29	769.4	62.6	17.0	52	nw.	8.1	3.6	.....	.....	5	.....	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.01	762.3	30.05	763.2	68.4	20.2	72	ne.	.....	.....	4	.....	9	.....	.....	0	0	.....	
San Salvador, Congo	27.97	710.5	29.78	756.3	85.5	29.7	62	sw.	.....	.....	1	.....	6	.....	.....	0	0	.....	
Serra da Estrella	25.00	635.0	29.77	756 1	40.1	4.5	91	nw.	8.7	3.9	.....	.....	10	.....	.....	0.008	0.2	foggy	
RUSSIAN.																			
Akmolinski	28.98	736.1	30.13	765.2	23.5	— 4.7	77	s.	4	2	.....	1 cs	0	.....	.....	0	0	light clouds	Major K. Lasarew.
Archangel	30.20	767.0	30.22	767.5	28.0	— 2.2	79	w.	4	2	.....	0	5 ks	.....	.....	0	0	light clouds	Capt. Sselliwerstow
Ashuruda	29.94	760.4	29.84	758.0	60.3	15.7	66	wsw.	11	5	.....	.....	10 k	.....	.....	0	0	light clouds	
Astrakhan	30.01	762.3	29.94	760.5	59.5	15.3	32	sse.	4	2	.....	0	3 s	.....	.....	0.020	0.5	light clouds	Capt. Wisganow.
Baku	29.95	760.7	29.90	759.5	45.5	7.5	90	n.	22	10	.....	.....	9k;kn	.....	.....	0	0	light clouds	
Barnaul	29.65	753.1	30.18	766.6	25.9	— 3.4	82	sw.	9	4	.....	.....	10	.....	.....	0	0	solar halo	Meteorological Office.
Bielosersk	29.78	756.3	30.26	768.7	33.3	0.7	40	calm	0	0	.....	0	1 ks	.....	.....	0	0	.....	
Dorpat	29.98	761.4	30.23	767.9	30.3	2.4	77	se.	4	2	.....	8 ck	0	.....	.....	blank	blank	light clouds	Rosenthal.
Ekaterinburg	29.09	738.9	30.09	764.2	34.0	1.1	35	wsw.	4	2	.....	5 c	0	.....	.....	0	0	.....	Meteorological Obs'y
Elissawetgrad	29.61	752 0	30.08	763.9	36.9	2.7	75	nne.	11	5	.....	.....	10 ks	.....	.....	0	0	.....	
Kasan	29.88	758 9	30.16	766.1	31.5	— 0.3	58	ne.	2	1	.....	0	0	.....	.....	0	0	h'vy clouds	Observatory.
Kem	30.30	769.6	30.35	770.9	27.0	— 2.8	70	n.	9	4	.....	.....	10	.....	.....	0.079	2.0	.....	
Kerch	29.87	758.8	29.99	759.4	40.8	4.9	96	ne.	4	2	.....	.....	10 n	.....	.....	blank	blank	.....	Lagorio & Sastyres
Kieff	29.43	747 6	30.10	764.4	36.0	2.2	66	ne.	9	4	.....	.....	10ks;n	.....	.....	0	0	.....	Observatory.
Koslov	29.57	751.1	30.10	764.5	32.4	0.2	71	ne.	13	6	.....	.....	10 s	.....	.....	0.067	1.7	.....	
Lgov	29.50	749 2	30.11	764.7	34.2	1.2	82	se.	10	7	.....	.....	10	.....	.....	0	0	.....	R. I. Ssaweljew, Ensign.
Libau*	30.17	766.2	30.19	766.8	40.9	8.3	49	ene.	9	4	.....	.....	8	.....	.....	0	0	.....	(. Quass.
Lugan	29.72	755 0	29.93	760.3	41.4	5.2	81	ene.	13	6	.....	.....	10	.....	.....	0	0	.....	Meteorological Obs'y.
Moscow	29.71	754.5	30.20	767.1	36.3	2.4	59	e.	4	2	.....	0	2 ks	.....	.....	0	0	.....	Meteorological Ob'y
Nertschinsk	27.86	706.0	30.22	767.7	21.4	— 5.9	53	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Nikolaiev	30.00	761.9	30.07	763.7	46.6	8.1	63	n.	33	6	.....	0	8 ku	.....	.....	0	0	.....	Capt. Kurdakow.

*Observation taken thirty-two minutes early.

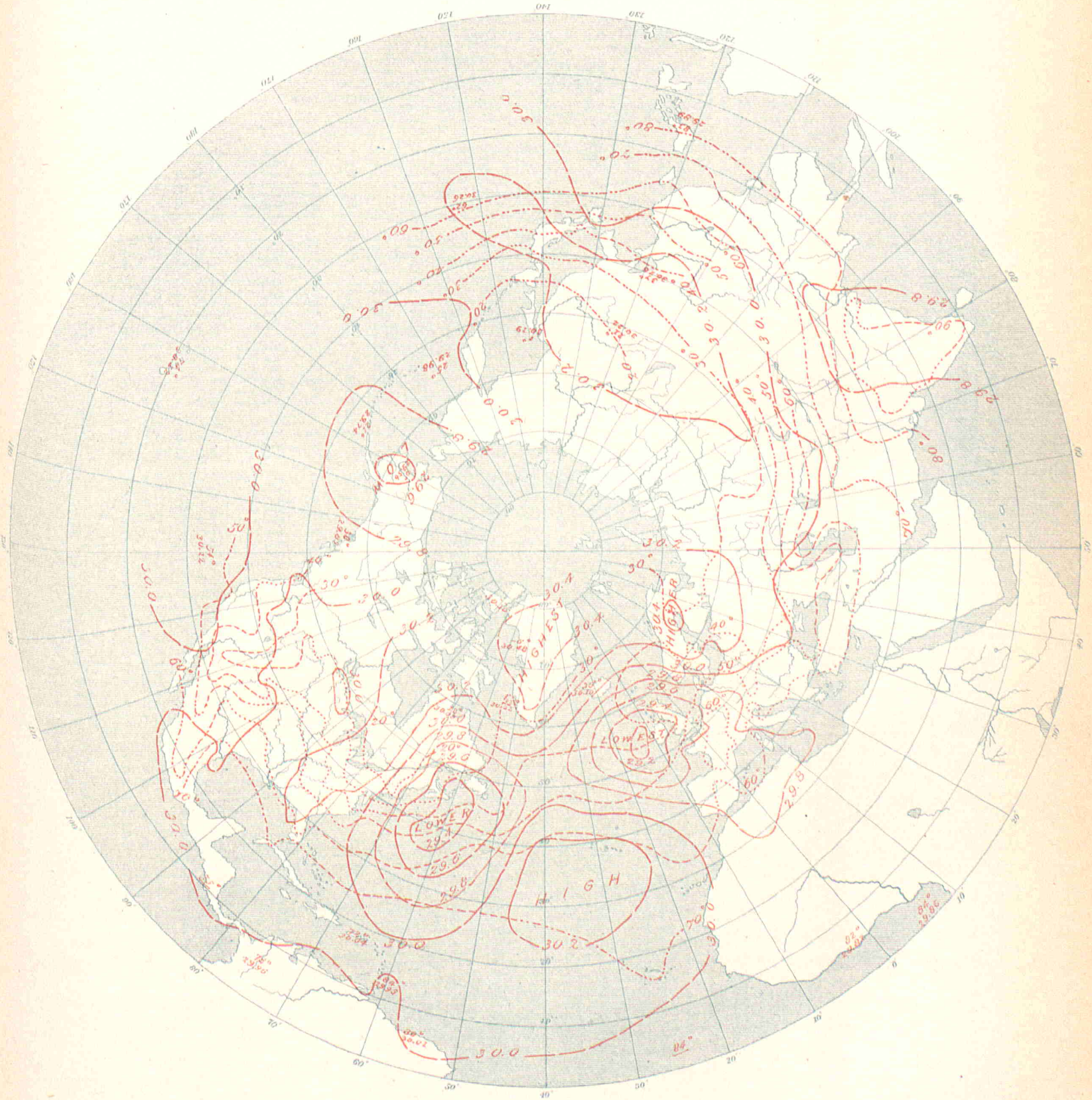
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.10	764.5	30.19	766.7	[illegible]	—17.0	85	e.	2	1	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.13	765.4	30.28	769.0	36.7	2.6	77	s.	2	1	.....	1 c	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.65	753.1	29.99	761.8	67.5	19.7	11	ne.	1.1	0.5	.....	.....	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.06	763.5	30.27	768.8	27.5	— 2.5	66	ese.	11	5	.....	0	8 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.67	753.5	30.18	766 5	40.1	4.5	65	e.	9	4	.....	.....	10 ks	.....	.....	0	0	.....	
Poti	29.89	759 2	29.92	760.0	53.6	12.0	89	sw.	4	2	.....	.....	10 ks	.....	.....	0	6	.....	
St. Petersburg	30.25	768.4	30.28	769.0	33.6	0.9	47	ne	7	3	.....	0	1 s	.....	.....	0	0	light clouds	Central Physical Obs'y.
Samarkand	27.56	699 9	29.97	761.2	64.9	18.3	46	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.54	750 3	30.25	768.3	21.0	— 6.1	79	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.69	754.2	29.91	759 7	47.8	8.8	83	n.	20	9	.....	.....	9 n	.....	.....	blank	blank	.....	
Staroi Bykhov	29.62	752.3	30.20	767.0	37.4	3.0	56	e.	9	4	.....	.....	10	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.41	721.7	30.05	763.2	66.2	19.0	29	calm	0	0	.....	.....	0	.....	.....	.....	.....	.....	Teren, A. M.
Tiflis	28.50	723.9	29.92	759.9	53.1	11.7	74	calm	0	0	.....	.....	10 n	.....	.....	0.087	2.2	.....	Physical Observatory
Vernoe	27.50	698.5	29.98	761.5	56.5	13.6	42	calm	0	0	.....	0	1 k	.....	.....	.....	.....	.....	Larlono.
Viatka	29.54	750 2	30.19	766.9	30.7	— 0.7	47	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	30.19	766.9	30.26	768.6	25.0	— 3.9	72	w.	9	4	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.68	753.8	30.11	764.8	46.0	7.8	61	se.	13	6	.....	0	3 k	.....	.....	.....	.....	.....	
Yeniseisk	29.89	759.1	30.19	766.8	26.1	— 3.3	41	nw.	4	2	.....	.....	4	.....	.....	0.008	0.2	.....	Astronomical Obs'y.
Sub-series.																			M. O. Marks.
Petrowsky Academy	29.56	750.8	30.10	764.5	32.5	0.3	54	nnw.	6.2	2.8	.....	0	3	.....	nw.	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.54	750.4	29.65	753.2	53.8	12.1	70	sw.	.....	.....	.....	0	7 kn	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.71	754.5	29.76	756.0	57.6	14.2	81	w.	0.2	0.1	.....	.....	10	.....	.....	0.039	1.0	covered	Prof. Manuel de Naveran
Burgos, Met. Obs'y	26.78	680.1	29.75	755.6	50.0	10.0	76	e.	2.5	1.1	.....	.....	9	.....	.....	0.236	6.0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.49	698.3	29.67	753.6	62.2	16.8	51	sw.	8.1	3.6	.....	0	7	.....	.....	.....	.....	misty	The Staff.
Murcia, Met. Obs'y	29.54	750.4	29.68	753.9	60.3	15.7	80	e.	2.2	1.0	.....	3	5	wnw.	.....	0.028	0.7	rainy	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.85	732.8	29.74	755.5	53.4	11.9	73	nw.	2.5	1.1	.....	.....	10	.....	.....	0	0	covered	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.08	763.9	30.14	765.6	70.2	21.2	81	ese.	0.9	0.4	.....	0	1 k	.....	nne.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.83	757.7	29.89	759.1	82.8	28.2	74	se.	8.8	3.9	.....	0	2 ks	.....	.....	0	0	clear	F. F. Faura, S. J.
San Fernando, Naval Obs'y	29.74	755.4	29.84	757.9	59.2	15.1	74	wnw.	6.1	2.7	.....	0	4	.....	w.	blank	blank	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.95	760.6	30.04	762.9	72.3	22.4	82	calm	0	0	.....	2 s	6 kn	.....	.....	0	0	cloudy	Enrique Gadea, Obs'r Eng
SWEDISH.																			
Haparanda	30.38	771.6	30.42	772.6	29.8	— 1.2	92	n.	.....	.....	2	.....	3	.....	.....	0	0	.....	
Umea	30.36	771.2	30.41	772.5	32.0	0.0	87	ne.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Hernosand	30.29	769.3	30.34	770 6	33.8	1.0	51	e.	.....	.....	2	.....	8	.....	.....	0.035	0.9	.....	
Stockholm	30.11	764.8	30.29	769.3	37.9	3.3	41	ene.	.....	.....	4	.....	1	.....	.....	0	0	.....	
Wisby	30.07	763.7	30.13	765.2	41.0	5.0	75	ese.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.17	766.2	30.25	768.4	41.5	5.3	43	e.	8.7	3.9	.....	.....	6	nw.	se.	Inap.	Inap.	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.28	718.4	29.70	754.4	57.9	14.4	25	n.	.....	.....	2	.....	3	.....	.....	0	0	vapory	
TURKISH.																			
Constantinople	.....	.....	29.95	760.6	49.1	9.5	84	n	9	4.0	.....	.....	10	.....	n.	0	0	.....	The Observatory.
Valona	.....	.....	29.96?	761.0?	64.0	17.8	.....	w.	.....	.....	3	.....	5	.....	.....	0.35	9.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.95	760.7	64.9	18.3	74	nw.	.....	.....	2	.....	1 k	.....	se.	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	30.01	762.2	30.10	764.5	24.1	— 4.4	60	nw.	10	4.5	.....	0	1 s	.....	.....	0	0.	clear	J. O. Barnes.
Alpena, Michigan	29.57	751.1	30.27	768.8	26.3	— 3.2	88	se.	1	0.4	.....	10 cs	0	w.	.....	Inap.	Inap.	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.83	630.7	29.85	758.2	33.7	0.9	85	sw.	12	5.4	.....	.....	10 n	.....	.....	Inap.	Inap.	light snow	J. B. Turton.
Assiniaboine, Ft., Montana	27.17	690.1	30.19	766 8	32.0	0.0	91	n.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. J. O'Connor.
Atlanta, Georgia	29.02	737.1	30.23	767.8	51.5	10.8	43	nw.	7	3.1	.....	1 c	sk.	w.	.....	0	0	clear	S. W. Beall
Atlantic City, New Jersey	30.00	762.0	30.01	762.2	30.0	— 1.1	78	nw.	18	8.0	.....	0	0	.....	.....	0	0	clear	B. A. Blundon.
Augusta, Georgia	30.03	762.7	30.23	767.8	51	10.6	80	calm	0	0	.....	7 c	0	nw.	.....	0	0	fair	W. J. Evans.
Baltimore, Maryland	30.12	765 0	30.17	766.3	34.1	1.2	44	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	Geo. W. Felger.
Barnegat City, New Jersey	29.98	761.5	30.00	762.0	30.1	— 1.1	68	n.	30	13.4	.....	1 k	0	n.	.....	0	0	clear	J. P. Sherry.
Bennett, Fort, Dakota	28.46	722.9	30.16	766.1	36.5	2.5	87	nw.	2	0.9	.....	2 ck	2 s	nw.	nw.	Inap.	Inap.	fair	A. Pritchard.
Benton, Fort, Montana	27.20	690.9	30.18	766.6	31.3	— 0.4	79	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	U.S. Bennett.
Bismarck, Dakota	28.24	717 3	30.16	766.1	34.0	1.1	85	nw.	8	3.6	.....	.....	10 s	.....	nw.	0.01	0.3	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.83	757.7	29.86	758.4	24.0	— 4.4	61	n.	30	13.4	.....	3 ck	0	nw.	.....	Inap.	Inap.	clear	J. T. Ecker.
Boise City, Idaho	27.09	688.1	30.01	762.2	35.0	1.7	67	se.	2	0.9	.....	0	0	.....	.....	0.01	0.3	clear	James Kenealy.
Boston, Massachusetts	29.68	753 9	29.84	757.9	19.6	— 6.9	93	nw.	22	9.8	.....	4 ck	3 s	nw.	.....	0.01	0.3	fair	O. B. Cole.
Brownsville, Texas	29.92	760.0	29.98	761.5	71.8	22.1	97	se.	7	3.1	.....	.....	10 s	.....	se.	0	0	cloudy	John McGlone.
Buffalo, New York	29.53	750.0	30.32	770.1	25†	— 3.8	76	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	D. Cuthbertson.
Buford, Fort, Dakota	28.62	711.7	30.18	766.6	33.4	0.8	97	nw.	5	2.2	.....	.....	10 s	.....	nw.	0.03	0.8	cloudy	A. Schneider.
Cairo, Illinois	29.78	756.4	30.20	767.1	52.7	11.5	52	s.	5	2.2	.....	.....	10 s	.....	sw.	0	0	threatening	W. H. Ray.
Canby, Fort, Washington Ter	29.77	756.1	29.97	761.2	42.0	5.6	93	n.	2	0.9	.....	.....	fg	.....	.....	0	0	dense fog	J. H. Young.
Cape Henry, Virginia	30.12	765.0	30.14	765.5	37.0	2.8	72	nw.	40	17.9	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	30.03	762.7	30.06	763.5	33.0	0.6	68	nw.	40	17.9	.....	0	0	.....	.....	0	0	clear	W. E. Smith.
Cape Mendocino, California	29.28	743.7	29.97	761.2	45.3	7.4	82	nw.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.19	766.8	30.21	767.3	63.8	17.7	70	e.	3	1.3	.....	3 c	0	nw.	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	30.11	764.8	30.17	766.3	55.0	12.8	74	ne.	8	3.6	.....	4 c	0	nw.	.....	0	0	fair	J. H. Smith.
Charlotte, N. Carolina	29.32	744.7	30.20	767.1	47.0	8.3	52	ne.	2	0.9	.....	10 cs	fg.	.....	.....	0	0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.43	747.5	30.28	769.1	47.5	8.6	77	ne.	2	0.9	.....	4 ck	fg.	w.	.....	0	0	fair	B. L. Goulding.
Cheyenne, Wyoming	23.89	606.8	30.09	764.3	32.8	0.4	77	ne.	5	2.2	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	E. McGovern.
Chicago, Illinois	29.46	748.3	30.20	767.1	41.0	5.0	72	s.	9	4.0	.....	.....	10 n	.....	.....	0.07	1.8	light rain	Wm. Norrington.
Chincoteague, Virginia	30.08	764.0	30.10	764.5	33.0	0.6	62	nw.	24	10.7	.....	0	0	.....	.....	0	0	clear	C. F. Dickens.
Cincinnati, Ohio	29.64	752.8	30.33	770.4	42.9	6.1	68	e.	6	2.7	.....	2 c	0	w.	.....	0	0	clear	L. Dunne.
Cleveland, Ohio	29.59	751.6	30.37	771.4	28.2	— 2.1	88	n.	3	1.3	.....	4 cs	sk.	n.	n.	0	0	fair	W. Line.
Columbus, Ohio	29.43	747.5	30.32	770.1	33.5	0.8	66	ne.	5	2.2	.....	3 ck	4 s	nw.	nw.	Inap.	Inap.	fair	F. T. Williams
Concho, Fort, Texas	28.00	711.2	29.97	761.2	67.3	19.6	84	s.	15	6.7	.....	.....	10 s	.....	s.	0	0	cloudy	C. E. King.
Custer, Fort, Montana	26.85	682.0	30.18	766.0	27	— 2.8	88	se.	5	2.2	.....	0	3 s	.....	.....	0.13	3.3	clear	W. J. Daily.
Davenport, Iowa	29.40	746 7	30.09	764.3	43.0	6.1	74	se.	9	4.0	.....	.....	10 n	.....	se.	Inap.	Inap.	light rain	R. R. Martin.
Davis, Fort, Texas	25.12	638 0	29.99	761.7	53.9	12.2	73	sw.	12	5.4	.....	0	7 s	.....	sw.	0.02	0.5	fair	J. Williams.
Dayton, Washington Ty	28.24	717.3	30.06	763.5	33.0	0.6	80	ne.	6	2.7	.....	0	5 s	.....	.....	0	0	fair	T. Gibson.
Deadwood, Dakota	25.30	644.1	30.20	767.1	32.0	0.0	81	e.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	G. W. Scott.
Delaware Breakwater, Del.	30.07	763.8	30.09	764.3	31.9	— 0.1	61	nw.	40	17.9	.....	0	0	.....	.....	0	0	clear	G. A. Martin.
Denver, Colorado	24.03	625.6	30.07	763.8	44.2	6.8	62	calm	0	0	.....	.....	10 ks	.....	.....	0	0	cloudy	F. M. Neal.
Des Moines, Iowa	29.08	738.6	30.04	763.0	47.3	8.5	76	s.	3	1.3	.....	.....	10 s	.....	s.	0.02	0.5	cloudy	F. W. Conrad.
Detroit, Michigan	29.62	752.3	30.37	771.4	37.1	2.8	72	se.	1	0.4	.....	10 ck	0	se.	.....	0	0	cloudy	N. B. Conger.
Dodge City, Kansas	27.24	691.9	29.97	761.2	54.6	12.0	86	se.	23	10.3	.....	.....	10 s	.....	s.	0	0	cloudy	J. E. Lanouette.
Dubuque, Iowa	29.33	745.0	30.08	764.0	40.3	4.6	72	se.	5	2.2	.....	.....	10 s	.....	.....	0.09	2.3	cloudy	J. Harvey Smith
Duluth, Minnesota	29.21	741.9	30.00	762.0	34.0	1.1	92	calm	0	0	.....	.....	10 s	.....	.....	0.06	1.5	cloudy	E. R. Brace.
Eastport, Maine	29.61	752.1	29.68	753.9	23.0	— 5.0	80	nw.	11	4.9	.....	.....	10 s	.....	nw.	0.05	1.3	cloudy	D. C. Murphy.
Elliott, Fort, Texas	27.13	689.1	29.96	761.0	59	13.3	100	se.	15	6.7	.....	.....	fg.	.....	.....	0	0	dense fog	J. C. Rickli.
El Paso, Texas	26.10	662.9	29.90	759.4	58.0	14.4	39	w.	13	5.8	.....	0	2 s	.....	w.	Inap.	Inap.	clear	F. Belford.
Erie, Pennsylvania	29.58	751.3	30.35	770.9	30.0	— 1.1	86	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	P. Wood.
Escanaba, Michigan	29.46	748.3	30.17	766.3	30.0	— 1.1	82	se.	9	4.0	.....	.....	10 ks	.....	.....	0	0	cloudy	L. M. Pindell.
Fort Smith, Arkansas	29.02	752.3	30.12	765.0	57.2	14.0	80	e.	4	1.8	.....	.....	10 n	.....	s.	0.28	7.1	light rain	J. B. Campbell.
Galveston, Texas	30.03	762.7	30.07	763.8	69.4	20.8	92	se.	16	7.2	.....	.....	10 s	.....	se.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.51	749.5	30.21	767.3	37.1	2.8	61	e.	11	4.9	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	Joseph E. Mueller
Grant, Fort, Arizona	25.15	638.8	29.98	761.5	32.8	0.4	86	w.	4	1.8	.....	.....	10 s	.....	w.	0.03	0.8	cloudy	Chas. A. Read.
Hatteras North Carolina	30.09	764.3	30.10	764.5	45.1	7.3	45	nw.	25	11.2	.....	0	hz.	.....	.....	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mil.	Inch.	Mil.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mil.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.77	654.5	30.09	764.3	29	— 1.7	74	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	28.65	727.7	30.13	765.3	35.2	1.8	84	n.	5	2.2	.....	3 k	3 k	nw.	nw.	inap.	inap.	fair	C. F. R. Wappenhans
Indianapolis, Indiana	29.41	747.0	30.25	768.3	39.7	4.3	54	se.	4	1.8	.....	5 c	0	w.	.....	0	0	fair	I. A. Reed.
Indianola, Texas	29.98	761.5	30.02	762.5	70.2	21.2	98	se.	19	8.5	.....	.....	10 s	.....	s.	0	0	cloudy	J. W. Smith.
Jacksonville Florida	30.16	766.1	30.21	767.3	58.0	14.4	80	n.	4	1.8	.....	2 cs	0	.....	.....	0	0	clear	F. Z. Gosewisch.
Keokuk, Iowa	29.40	746.7	30.08	764.0	48.3	9.1	73	s.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	J. J. Lackey.
Key West, Florida	30.14	765.5	30.16	766.1	73	22.8	68	ne.	18	8.0	.....	0	0	.....	.....	0	0	clear	Wesley Blake.
Kittyhawk, North Carolina	30.10	764.5	30.12	765.0	39.2	4.0	36	n.	28	12.5	.....	0	hz.	.....	.....	0	0	clear	J. A. Cody.
Knoxville, Tennessee	29.20	741.7	30.26	768.6	42	5.6	65	ne.	5	2.2	.....	6 cs	0	w.	.....	0	0	fair	S. C. Emery.
La Crosse, Wisconsin	29.24	742.7	30.06	763.5	39.6	4 2	67	s.	5	2.2	.....	0	0	.....	.....	0.03	0.8	clear	C. Dill.
Leavenworth, Kansas	29.09	738.9	30.03	762.7	54	12.2	86	se.	4	1.8	.....	4 c	4 s	w.	se.	0.04	1.0	fair	C. E. Butler.
Lewiston, Idaho	29.17	740.9	30.03	762.7	38.4	3.6	68	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.79	756.7	30.12	765.0	58.0	14.4	74	se.	1	0.4	.....	0	8 s	.....	.....	0	0	cloudy	W. U. Simons.
Los Angeles, California	29.63	752.6	30.03	762.7	43.3	6.3	89	e.	8	3.6	.....	0	5 s	.....	ne.	0.04	1.0	fair	T. S. Collins.
Louisville, Kentucky	29.63	752.6	30.22	767.6	43.5	6.4	51	e.	4	1.8	.....	7 c	0	w.	.....	0	0	fair	E. B. Garriott.
Lynchburg, Virginia	29.47	748.5	30.19	766.8	44.0	6.7	48	w.	8	3.6	.....	1 cs	0	.....	.....	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.53	750 0	30.23	767.8	29.0	— 1.7	90	se.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.13	765 3	30.14	765.5	45.2	7.3	46	nw.	20	8.9	.....	2 c	hz.	.....	.....	0	0	clear	William Daly.
Maginnis, Fort, Montana	25.54	648.7	30.14	765.5	30.1	— 1.1	51	e.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	F. Burke.
Marquette, Michigan	29.36	745.7	30.13	765.3	32.0	0.0	88	s.	16	7.2	.....	.....	10 s	.....	sw.	0	0	cloudy	J. Gilligan.
Memphis, Tennessee	29.77	756.1	30.12	765.0	56.5	13.6	60	e.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.40	746.7	30.18	766.6	36.9	2.7	83	se.	7	3.1	.....	10 cs	0	nw.	.....	inap.	inap.	cloudy	S. W. Rhode.
Mobile, Alabama	30.14	765.5	30.18	766.6	59.3	15.2	89	n.	1	0.4	.....	6 cs	4s;sk	w.	w.	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.97	761.2	30.21	767.3	53.2	11.8	84	nw.	1	0.4	.....	10cs;ok	0	nw.	.....	inap.	inap.	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.99	736.3	30.07	763.8	34	1.1	89	w.	2	0.9	.....	.....	10 s	.....	.....	0.11	2.8	cloudy	H. Bessant.
Mt. Washington, N. H.	23.29	591.6	29.81	757.2	10.0	—12.2	89	n.	58	26.0	.....	0	fg.	.....	n.	0.06	1.5	clear	J. H. Melton.
Nashville, Tennessee	29.61	752.1	30.21	767.3	48.5	9.2	72	e.	1	0.4	.....	10 cs	0	sw.	.....	0	0	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.83	757.7	29.95	760.7	22.9	— 5.1	59	n.	20	8.9	.....	0	8 s	.....	n	0	0	cloudy	J. H. Sherman.
New London, Connecticut	29.86	758.4	29.92	760.0	25.0	— 3.9	64	nw.	11	4.9	.....	0	4 s	.....	nw.	0	0	fair	J. G. Lynch.
New Orleans, Louisiana	30.08	764.0	30.14	765.5	62.0	16.7	84	se.	1	0.4	.....	7 c	fg.	nw.	.....	0	0	fair	M. Herman.
New York, New York	29.80	756.9	29.98	761.5	27.6	— 2.4	66	nw.	16	7.2	.....	0	3 s	.....	nw.	0	0	clear	W. Finn.
Norfolk, Virginia	30.12	765.0	30.15	765.8	39.4	4.1	42	n.	14	6.3	.....	0	0	.....	.....	0	0	clear	Wm. Davis.
North Platte, Nebraska	26.96	684.8	30.02	762.5	44.6	7.0	75	ne.	24	10.7	.....	.....	10 s	.....	.....	0	0	cloudy	E. F. Brady.
Olympia, Washington T'y	29.95	760.7	29.99	761.7	34.5	1.4	83	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Dascomb
Omaha, Nebraska	28.82	732 0	30.07	763.8	55.2	12.9	90	sw.	6	2.7	.....	.....	10 n	.....	sw.	inap.	inap.	thund'r st'm	A. Pollak
Oswego, New York	29.90	759.4	30.24	768.1	23.0	— 5.0	67	n.	14	6.3	.....	0	0	.....	.....	0	0	clear	J. G. Linsley.
Palestine, Texas	29.48	748.8	30.05	763.3	65.2	18.4	93	s.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	30.15	765.8	30.18	766.6	57.1	13.9	93	ne.	4	1.8	.....	9c;cs	0	w.	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	29.98	761.5	30.08	764.0	30.0	— 1.1	68	nw.	18	8.0	.....	0	0	.....	.....	0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.57	446.3	30.16	766.1	9.0	—12.8	73	sw.	22	9.8	.....	6 cs	0	w.	.....	0	0	fair	H. Hall.
Pittsburg, Pennsylvania	29.50	749 3	30.35	770.9	28.0	— 2.2	86	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	30 1	— 1.1	.....	.....	.....	.....	.....	0	0	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.62	752.3	30.34	770.6	28.8	— 1.8	88	calm	0	0	.....	.....	0	.....	.....	0	0	cloudy	M. H. Perry
Portland, Maine	29.75	755.6	29.80	756.9	24.5	— 4.2	62	nw.	16	7.2	.....	2 cs	6 s	n.	nw.	0.09	2.3	cloudy	W. W. Eichelberger.
Portland, Oregon	29.89	759.2	29.96	761.0	39.0	3.9	89	calm	0	0	.....	0	0	.....	.....	0	0	clear	M. L. Hearns
Prescott, Arizona	24.49	622.0	29.88	758.9	29.3	— 1.5	98	s.	8	3.6	.....	.....	10 n	.....	.....	0.59	15.0	light snow	N. D. Lane.
Provincetown, Mass	29.76	755.9	29.80	756.9	24.8	— 4.0	73	nw.	19	8.5	.....	.....	10 s	.....	nw.	0.05	1.3	cloudy	C. N. Kitchel.
Red Bluff, California	29.59	751.6	29.96	761.0	45.5	7.5	82	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.77	756.1	30.01	762.2	71.0	21.7	92	se.	4	1.8	.....	0	8 s	.....	se.	0.01	0.3	cloudy	L. G. Schultz.
Rochester, N. Y	29.57	751.1	30.27	768.8	25	— 3.9	73	nw.	16	7.2	.....	0	0	.....	.....	0	0	clear	E. W. McGann.
Roseburg, Oregon	29.41	747.0	29.97	761.2	36.2	2.3	87	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. J. Nanry.
Sacramento, California	29.88	758.9	29.95	760.7	47.5	8.6	89	s.	12	5 4	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.51	749.5	30.16	766.1	52.6	11.4	65	se.	11	4.9	.....	.....	10k;s	.....	sw.	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.52	749 8	29.56	750.8	0	—17.8	100	n.	4	1.8	.....	0	2 s	.....	.....	0.10	2.5	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.12	739.6	30.03	762.7	37.7	3.2	92	se.	5	2.2	.....	4 k	0	w.	.....	0.07	1.8	fair	P. F Lyons.
St. Vincent, Minnesota	29.08	738.6	30.02	762.5	32	0.0	94	nw.	11	4.9	.....	.....	10 s	.....	.....	0.18	4.6	cloudy	C. B. Dilley.
Salt Lake City, Utah	25 33	643.4	29.85	758.2	39	3.9	54	calm	0	0	.....	3 k	0	sw.	.....	0	0	clear	J. Craig.
San Diego, California	29.97	761.2	30.04	763.0	47.2	8.4	89	se.	7	3.1	.....	0	8 k	.....	w.	0.18	4.6	cloudy	F. R. Day.
Sandusky, Ohio	29.66	753.4	30.38	771.6	33.5	0.8	74	se.	5	2.2	.....	6 ck	0	se.	.....	0	0	fair	B. F. Hough.
Sandy Hook, New Jersey	29.97	761.2	30.00	762.0	29.0	— 1.7	56	nw.	42	18.8	.....	0	0	.....	.....	0	0	clear	V. P. Chappel.
Sanford, Florida	30.13	765.3	30.18	766.6	57.0	13.9	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.90	759.4	29.97	761.2	51.0	10.6	81	w.	7	3.1	.....	.....	10 s	.....	w.	0	0	cloudy	N. Gorom.
Savannah, Georgia	30.10	764.5	30.18	766.6	55.2	12.9	68	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.37	669.8	30.17	766.3	27.5	— 2.5	77	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.88	758.9	30.05	763.3	60.4	15.8	61	se.	2	0.9	.....	8 c	hz.	.....	.....	0	0	cloudy	E. N. Meekins.
Sitka, Alaska	29.80	756.9	29.87	758.7	37.6	3.1	85	e.	4	1.8	.....	0	5 ks	.....	e.	1.18	30.0	fair	F. W. Pickett.
Smithville North Carolina	30.14	765.5	30.18	766.6	45.3	7.4	47	n.	3	1.3	.....	5 c	0	nw.	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.95	709.9	30.08	764.0	31.0	— 0.6	85	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.43	747.5	30.15	765.8	46.6	8.1	69	s.	10	4.5	.....	.....	10 s	.....	w.	0	0	cloudy	T. B. Jennings.
Stockton, Fort, Texas	26.85	682.0	29.93	760.2	63.2	17.3	89	se	16	7.2	.....	.....	10 s	.....	.....	0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.90	759.4	30.00	762.0	43.0	6.1	100	calm	0	0	.....	.....	fg.	.....	.....	0.01	0.3	dense fog	R. Connor.
Thomas, Camp, Arizona	27.26	692 4	30.04	763.0	40	4.4	82	w.	.....	.....	1	.....	10 s	.....	sw.	0	0	threatening	R. C. Lord.
Toledo, Ohio	29.58	751.3	30.30	769.6	35	1.7	69	calm	0	0	.....	10 cs	0	ne.	.....	0	0	threatening	A. Buell.
Unalashka, Alaska	29.72	754.9	29.74	755.4	21	— 6.1	80	nw.	16	7.2	.....	.....	10 n	.....	.....	0.18	4.6	light snow	Samuel Applegate
Vicksburg, Mississippi	29.88	758.9	30.14	765.5	59	15.0	70	se.	4	1.8	.....	5 ck	4 s	w.	sw.	0	0	cloudy	F. W. Mixer.
Washington, D. C	30.08	764.0	30.20	767.1	31.6	— 0.2	59	nw.	14	6.3	.....	.....	0	.....	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.85	656 6	29.92	760.0	35	1.7	77	w.	4	1.8	.....	0	1 s	.....	.....	0	0	clear	F. H. Brandenburg.
Wilmington, N Carolina	30.12	765.0	30.18	766.6	48.3	9.1	36	n.	5	2.2	.....	5c;cs	0	.....	.....	0	0	fair	L. H. Albrecht.
Yankton, Dakota	28.69	728.7	30.08	764.0	43.4	6.3	69	n.	6	2.7	.....	.....	10 s	.....	n.	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.86	758 4	30.01	762.2	43.8	6.6	74	sw.	7	3.1	.....	0	1 s	.....	sw.	0	0	clear	W. S Delano.
Sub-series.																			
BehringIsland, Kamchatka	29.96	761.0	29.98	761.5	24.9	— 3.9	87	nw.	16	7.2	.....	.....	10 n	.....	.....	0.14	3.6	light snow	George Oberuick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	82	27.8	.....	ne.	.....	.....	3	3 c	2 k	.....	ne.	0	0	fair	W. P. Jackson.
Bogota, U. S. C.	22.07	560.6	.....	.....	55.4	13.0	90	e.	4	2	.....	.....	9 k	.....	e.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.94	760 5	30.09	764.3	13	—10.6	100	n	18	8.0	.....	.....	10 n	.....	nw.	0.17	4.3	light snow	L. M. Turner.
Kingston, Jamaica, W. I.	.....	.....	30.04	763.0	71.3	21.8	87	calm	0	0	.....	0	0	.....	.....	0	0	clear	Robert Johnstone.
Paramaribo, S. A.	30.01	762.2	30.01	762.2	80	26.7	82	e.	.....	.....	2	4 c	5 k	e.	.....	0.400	10.2	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.40	746.7	29.90	761.0	78	25.6	84	calm	.....	.....	0	.....	9 ks	.....	calm	0	0	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	.....	.....	.....	.....	75.4	24.1	84	ne.	.....	.....	1	.....	8 ks	.....	ne.	0	0	cloudy	Earl Flint.
York Factory, B. A.	30.13	765 3	30.20	767.1	—21.0	—29.4	.....	n.	13	5.8	.....	2 c	2 s	nw.	nw.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	30.02	762.4	30.02	762.6	76.3	24.6	90	n	8.9	4.0	.....	.....	8 k	.....	n.	0	0	fair	P. Fasiani.
Naos, Bay of Panama	29.92	760.0	29.99	761.7	72.7	22.6	95	n.	.....	.....	4	.....	1 ks	.....	n.	0	0	clear	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Force.	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill	Character.	Direction from	
District No. 1—North Atlantic.																		
S. S. Alvo, Port au Prince, Hayti, W.I	30.06	763.5	74	23.3	.....	e	.....	.....	3	.....	3	.....	ene.	o	o	.....	.....	clear.
S. S. Arizona, N. 40° 28′, W. 72° 24′	29.96	761.0	27	— 2.8	.....	nne.	.....	.....	7	.....	3	.....	nne.	o	o	mod.	nne.	fair.
S. S. Athos, N 27° 00′, W. 74° 24	.....	.....	.....	.....	.....	nw.	.....	.....	5	.....	2	.....	n.	o	o	long	n.	clear.
S. S City of Augusta, N. 34° 10′, W. 78° 53′ †	30.22	767.6	.....	.....	.....	wnw.	.....	.....	6	.....	3	.....	nnw.	o	o	.....	.....	clear
S. S Donau, N. 48° 56′, W. 15° 00′	.....	.....	.....	.....	.....	w.	.....	.....	6	.....	5	.....	w.	o	o	r'gh	var.	squally.
S. S. Canada, (Br) N. (48°)? 38′, W. 47° 40′	29.79	756.6	60.8	16.	90	s.	.....	.....	6	.....	10	.....	s.	o	o	h'vy	s.	cloudy.
S. S. Elysia, N. 40° 13′, W. 65° 00′	.....	.....	42	5.6	100	nnw.	.....	.....	8	.....	10	.....	nnw.	2 h'r	2 h'r	h'vy	n.w.	h'vy squalls
S. S. France, N. 40° 43′, W. 60° 57′	.....	.....	.....	.....	.....	wsw.	.....	.....	3	.....	6	.....	w.	rain	rain	sm'h	w.	fair.
S. S. Iowa, N. 42° 02′, W. 50° 19′	.....	.....	44	6.7	.....	s.	.....	.....	2	.....	.....	.....	.....	2 h'r	2 h'r	long	s.	dense fog
Schr. John Bracewell, Schuylkill river., Pa†	30.12	765.0	29	—1.7	.....	nnw.	.....	.....	5	.....	0	.....	.....	o	o	.....	.....	clear.
S. S. Main, N. 49° 58′, W. 4° 33′	29.52	749.8	41 0	5.0	.....	w.	.....	.....	3	.....	9	.....	w.	6 h'r	6 h'r	mod.	w.	covered.
S. S. Nurnberg, N. 48° 44′, W. 13° 31′	29.36	745.7	46.4	8.0	.....	w.	.....	.....	2-3	.....	10	.....	nw.	4 h'r	4 h'r	r'gh	nw.	rainy.
S. S. Nessmore, N. 39° 45′, W. 66° 41′	.....	.....	44	6.7	84	n	.....	.....	7	.....	6	.....	n.	12 h'r	12 h'r	high	n.	hazy.
S. S. Orinoco, N. 40° 24′, W 73° 55†	29.97	761.2	22	— 5.6	.....	nnw.	.....	.....	7	.....	3	.....	.....	o	o	r'gh	.....	
S. S. Pennsylvania, N. 39° 40′, W. 69° 30′	.....	.....	40	4.4	100	nw.	.....	.....	8	.....	8	.....	nw.	4 h'r	4 h'r	h'vy	nw.	
S. S. Rhaetia, N. 45° 51′, W. 33° 51′	30.02	762.6	54	12.2	.....	nw.	.....	.....	4	.....	10	.....	nw.	o	o	mod.	n.	cloudy.
S. S. Rugia, N. 41° 43′, W. 62° 41′	29.43	747.5	39	[illegible]	.....	nne.	.....	.....	4	.....	10	.....	nne.	7 h'r	7 h'r	3	nne.	raining.
S. S. Rhynland, N. 40 12′, W. 52° 03′	29.51	749.5	60	15.6	.....	se.	.....	.....	3	.....	.....	.....	se.	8 h'r	8 h'r	.....	.....	squally.
Bg. Rising Sun. N. 27° 55′, W. 61° 00′†	29.75	755.6	69	20.6	.....	wnw.	.....	.....	5	.....	4	.....	wnw.	o	o	long	wnw.	
S. S. State of Florida, N. 43° 30′ W. 49° 30′ *	29.49	749.0	42	5.6	.....	s.	.....	.....	5	.....	8	.....	sw.	8 h'r	8 h'r	str'g	wsw.	rain & fog.
S. S. Salerno, N. 42° 09′, W. 61° 41′†	29.36	745.7	36	2.2	.....	nne.	.....	.....	4	.....	10	.....	ne,	o	o	sm'h	ne.	hazy.
S. S. Salier, N. 42° 35′, W. 52° 10′	29.45	748.6	.....	.....	.....	s.	.....	.....	3	.....	10	.....	sw.	.....	.....	mod.	s.	rainy.
S. S. Samaria, N. 42° 20′, W 69° 55′*	29.85	758.2	34	1.1	.....	nw.	.....	.....	6	.....	10	.....	nw.	7 h'r	7 h'r	short	nw.	cloudy.
Bk. Tuck Sing, N. 29° 24′, W. 80° 06′ *†	30.10	764.5	.....	.....	.....	nnw.	.....	.....	1	.....	0	.....	.....	o	o	mod.	n.	clear.
S. S. Valencia. Puerto Cabello, Venezuela †	29.96	761.0	75.5	24.2	83	wsw.	.....	.....	1	.....	4	.....	ene.	o	o	.....	.....	fair.
S. S. Westernland, N. 40° 25′, W. 60° 34′	29.35	745 5	51	10.6	79	w.	.....	.....	1	.....	3	.....	w.	4 h'r	4 h'r	con.	.....	rainy.
S. S. Ontario, N. 41° 44′, W. 54° 32′	.....	.....	.....	.....	.....	s.	.....	.....	3	.....	10	.....	sw.	2 h'r	2 h'r	mod.	s.	cloudy.
S. S. Cienfuegos, Nassau, N. P., Bahama	.....	.....	72	22.2	.....	nne.	.....	.....	3	.....	4	.....	ne.	o	o	small	nne.	hazy.
S. S. Elbe, N 47° 20′, W. 34° 00′	29.99	761.7	53.6	12.0	.....	w.	.....	.....	3	.....	7	.....	w.	4 h'r	4 h'r	sm'h	w	fair.
S. S. Frisia, N. 47° 56′, W. 26° 50′	29.87	758.7	45.5	7.5	.....	n.	.....	.....	6	.....	8	.....	n.	18 h'r	18 h'r	r'gh	nnw.	cloudy.
S. S. Anchoria, N. 54° 20′, W. 15° 35′	.....	.....	.....	.....	.....	ne.	.....	.....	3	.....	3	.....	n	3 h'r	3 h'r	h'vy	w.	fine.
Schr Adda Doane, N. 28° 01′, W. 73° 40′†	30.12	765 0	.....	.....	.....	nnw.	.....	.....	3	.....	2	.....	nw.	o	o	mod.	nw.	clear.
S. S. Baltic, N. 42° 22′, W. 43° 31′*†	30.03	762.7	.....	.....	.....	ssw.	.....	.....	5	.....	8	.....	sw.	.....	.....	mod.	sw.	fair.
S. S. Chalmette, N. 33° 36′, W. 77° 51′ *†	30.21	767.3	56	13.3	.....	nnw.	.....	.....	4	.....	10?	.....	.....	o	o	sm'h	.....	clear.?
S. S. D. J. Foley, N. 25° 49′, W. 74° 06′†	30.10	764.5	71	21.7	62	n.	.....	.....	4	.....	3	.....	n.	o	o	long	n.	clear.
S. S. Erin, N. 49° 37′, W. 14° 45′ †	29.32	744.7	42	5.6	.....	w.	.....	.....	6	.....	4	.....	w	3 h'r	3 h'r	high	w.	squally.
S. S. Grecian, N. 50° 33′, W. 21° 30′	29.49	749.0	44	6.7	92	nw.	.....	.....	8	.....	4	.....	nnw.	2 h'r	2 h'r	high	n nw.	squally.
Bg. John Wesley, Sagua la Grande, Cuba, W. I	.....	.....	.....	.....	.....	ne.	.....	.....	4	.....	1	.....	ne.	o	o	.....	.....	clear.
S. S. Lone Star, N. 26° 03′, W. 80° 02′*†	30.16	766,1	71	21.7	.....	ne,	.....	.....	2	.....	2	.....	e.	o	o	sm'h	.....	clear.
S. S. Normandie, N. 49° 24′, W. 16° 55′*†	29.41	747.0	48.2	9.0	.....	wnw.	.....	.....	6	.....	7	.....	nw.	rain	rain	h'vy	w.	hazy.
S. S. Ohio (Am), N. 44° 40′, W. 34° 30′	.....	.....	54.5	12.5	100	nnw.	.....	.....	3	.....	5?	.....	nnw.	3 h'r	3 h'r	mod.	wsw.	clear ?
S. S. Rosse, N. 18° 38′, W. 55° 42′	30.04	763.0	77	25.0	77	calm	.....	.....	0	.....	0	.....	.....	2 h'r	2 h'r	sm'h	.....	clear.
S. S. Scythia, N. 51° 10′, W. 14° 00′	29.12	739.6	47	8.3	92	sw.	.....	.....	5	.....	8	.....	sw.	3 h'r	3 h'r	r'gh	sw.	threatening
S. S. St. Laurent, Havre, France	29.52	749.8	62.6	17.0	.....	e.	.....	.....	2	.....	3	.....	ne.	o	o	.....	.....	clear.
Bgt. Sunlight, N. 31° 15′, W. 70° 01′ *†	29.93	760.2	.....	.....	.....	wnw.	.....	.....	6	.....	6	.....	wnw.	3 h'r	3 h'r	h'vy	nnw.	squally.
Schr. Viola Reppard, N. 23° 10′, W. 80° 17′	.....	.....	78	25.6	.....	ene.	.....	.....	4	.....	3	.....	ene.	o	o	sm'h	.....	clear.
U. S. S. Kearsarge, Port Said, Egypt	29.95	760.7	67	19.4	79	nnw.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Lancaster. Joppa, Syria	29.95	760.7	66	18.9	89	nnw.	.....	.....	3	.....	0	.....	.....	.....	.....	long	n.	clear.
S. Cornelius, N. 40° 10′, W. 16° 58′ †	30.03	762.7	57.9	14.4	.....	w.	.....	.....	6	.....	4	.....	w.	o	o	long	nne.	fair.
U. S. S. Alliance, Kingstown, St. Vincent, W.I	30.04	763 0	77	25.0	82	ne.	.....	.....	3	.....	2	.....	calm	light	light	sm'h	.....	clear.
U. S. S. Galena, N. 17° 17′. W. 72° 20′ *	30.00	762.0	78	25.6	73	se.	.....	.....	2	.....	2	.....	se.	.....	.....	sm'h	.....	fair.
U. S. S. Jamestown, Guadeloupe, W. I	30.05	763.3	75	23.9	81	se.	.....	.....	1	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Portsmouth, St. Thomas, W. I.	30.01	762.2	75	23.9	95	calm	.....	.....	0	.....	5	.....	ne.	.....	.....	.....	.....	fair.
U. S. S. Saratoga, N. 38° 54′, W. 13° 13′	29.97	761.2	55	12.8	68	n.	.....	.....	5	.....	8	.....	n.	rain	rain	sm'h	.....	fair.
U. S. S. Swatara, Key West, Fla	30.17	766,3	74	23.3	86	e.	.....	.....	3	.....	2	.....	e.	o	o	sm'h	e.	fair.
U. S. S. Yantic, N. 26° 36′, W 71° 27′	.....	.....	67	19.4	64	nnw.	.....	.....	4	.....	5	.....	.....	.....	.....	sm'h	nw.	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.90	759.4	71	21.7	71	ese.	.....	.....	2	.....	1	.....	ese.	.....	.....	.....	.....	blue sky.
H. M. S. Alecto, N. 5° 04, W. 1° 14′	29.82	757.4	82	27.8	.....	ssw.	.....	.....	1	.....	5	.....	.....	.....	.....	4	ssw.	d. clouds.
H. M. Dockyard, Bermuda, Atlantic	29.66	753.4	59	15.0	70	wsw.	.....	.....	7	.....	8	.....	wsw.	.....	.....	.....	.....	raining.
H. M. S. Minotaur, Suda Bay, Mediterranean	29.89	759.2	65	18.3	76	ese.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky
H. P. M. S. Bengo, N. (14°)? 43′ W. 15° 45′	29.85	758 3	72.5	22.5	70	wnw.	.....	.....	2	.....	3	.....	ese.	o	o	.....	wnw	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.86	758.5	83.8	28.8	72	ne.	.....	.....	2	.....	4	.....	ne.	3 h'r	3 h'r	1	ne.	d. clouds.
S. S. British Prince, Liverpool, Eng	.....	.....	.....	.....	.....	var.	.....	.....	5	.....	10	.....	wsw.	10 h'r	10 h'r	.....	.....	cloudy.
S. S. Scandinavian, Glasgow, Scotland	29.34	745.2	46	7.8	.....	sw.	.....	.....	4	.....	10	.....	sw,	rain	rain	.....	.....	raining.
S. S. Ailsa, N. 12° 49′, W. 74° 40′	.....	.....	77	25.0	86	ese.	.....	.....	5	.....	2	.....	ene.	o	o	light	ene.	fine.
S. S. Alps, N. 18° 21′, W. 65° 36′	.....	.....	79	26.1	.....	calm	.....	.....	0	.....	0	.....	.....	o	o	sm'h	.....	fine.
S. S. Dorian, Valencia, Spain	29.63	752.6	.....	.....	.....	nne.	.....	.....	2	.....	6	.....	.....	o	o	.....	.....	fair.
S. S. Furnessia, N. 54° 51′, W. 16° 21′ *†	29.29	744.0	36	2.2	.....	nne.	.....	.....	4	.....	5	.....	ese.	snow	snow	cross	var.	h'vy squalls
S. S. Galatia, N. 44° 56′, W. 8° 57′	.....	.....	59	15.0	.....	wnw.	.....	.....	5	.....	8	.....	wnw.	3 h'r	3 h'r	long	nw.	hazy.
S. S. Llandaff City, N. 50° 53′, W. 21° 43′ *†	29.40	746.7	54	12.2	.....	nw.	.....	.....	8	.....	8	.....	nw.	rain	rain	h'vy	nw.	stormy.
S. S. Bothnia, N. 42° 03′, W. 45° 25′	29.83	757.7	.....	.....	.....	sse.	.....	.....	5	.....	8	.....	sse.	o	o	long	sse.	hazy.
S. S. Westphalia, Hamburg, Germany	.....	.....	45	7.2	.....	s.	.....	.....	1	.....	3	.....	s.	o	o	.....	.....	fair.
S. S. Virginian, N 43° 10′, W. 41° 46′	.....	.....	.....	.....	.....	s.	.....	.....	4	.....	.....	.....	ssw.	2 h'r	2 h'r	mod.	ssw.	
S. S. Hevelius, N. 32° 36′, W 17° 00′	.....	.....	66	18.9	.....	wnw.	.....	.....	4	.....	4	.....	nnw.	1 h'r	1 h'r	sm'h	.....	clear.
S. S. Archimede, (It.) Marseille, France †	29.66	753.4	60	15.6	.....	ene.	.....	.....	3	.....	6	.....	ene.	20 h'r	20 h'r	h'vy	ene.	cloudy.
S. S. City of Merida, N. 29° 25′, W. 79° 52′ *†	30.10	764.5	71.6	22.	.....	nw.	.....	.....	1	.....	.....	.....	.....	2 h'r	2 h'r	.....	nnw.	overcast
S. S Italy, N. 44° 42′, W. 34° 23′ *	30.03	762.7	59	15.0	94	n.	.....	.....	2	.....	2	.....	ne.	o	o	h'vy	n.	fine.
S. S. Neckar, N. 40° 28′, W 62° 58′	29.39	746.5	43.7	6.5	100	nw.	.....	.....	3	.....	5	.....	nw.	o	o	sm'h	nw.	haze.
S. S. Muriel, St. Kitts, W. I	30.07	763.8	78	25.6	.....	sw.	.....	.....	1-2	.....	5?	.....	w.	10 h'r	10 h'r	r'gh	w.	cloudy.?
S. S. Pennland, Antwerp, Belgium	.....	.....	.....	.....	.....	e.	.....	.....	2	.....	0	.....	.....	o	o	sm'h	.....	clear.
S. S. Waesland, N. 49° 04′, W. 17° 30′	29.46	748.3	53	11.7	80	se.	.....	.....	1	.....	.....	.....	.....	o	o	.....	.....	
S. S. Amsterdam, N. 49° 52′, W. 6° 48′*	29.45	748.0	50	10.0	.....	wnw.	.....	.....	9	.....	7	.....	nw.	o	o	h'vy	nw.	squally.
S. S. Maasdam, N. 49° 38′, W 6° 43′	.....	.....	.....	.....	.....	w.	.....	.....	5	.....	6	.....	w.	o	o	light	e.	fair.
S. S. State of Nebraska, N. 40° 59′, W. 62° 03′	.....	.....	45.5	7.5	84	ssw.	.....	.....	6	.....	8	.....	nw.	o	o	4	w.	cloudy.
S. S. Saxon, Philadelphia, Pa	.....	.....	45	7.2	.....	ne.	.....	.....	6	.....	10	.....	n	5 h'r	5 h'r	.....	.....	rainy.
S. S. Lepanto, N. 32° 57′, E. 28° 17′	.....	.....	32	0.0	.....	nw.	.....	.....	4	.....	0	.....	.....	o	o	.....	.....	fine.
S. S. Marengo, N. 50° 18′, W. 3° 10′	29.84	757.9	64	17.8	.....	ese.	.....	.....	4	.....	5?	.....	se.	4 h'r	4 h'r	mod.	ese.	overcast.?
Bg. Alcira, N. 27° 06′, W. 65° 30′	.....	.....	46	7.8	.....	wnw.	.....	.....	4	.....	3	.....	sw.	mod.	mod.	mod.	sw.	hazy.
Schr. Arthur Burton, Pence, Porto Rico, W I	.....	.....	69	20.6	70	nw.	.....	.....	6-7	.....	4	.....	nw.	o	o	high	nw.	fine.
Schr. Annie R. Lewis, N. 32° 40′, W. 66° 57′ †	29.76	755.9	57	13.9	.....	calm	.....	.....	0	.....	1	.....	calm	o	o	sm'h	.....	fine.
Schr. Anna A. Holton, N. 36° 15′, W. 73° 20′ *†	30.00	762.0	52	11.1	.....	nw.	.....	.....	7	.....	10	.....	nw.	5 h'r	5 h'r	h'vy	w.nw	rainy.
Bk. Aureola, N. 38° 37′, W. 42° 18′ †	30.23	767.8	65	18.3	94	n.	.....	.....	9	.....	10	.....	n.	o	o	h'vy	nw.	cloudy.
Bg. Abbie Clifford, N 13° 03′. W. 60° 19′ †	29.99	761.7	79	26.1	.....	s.	.....	.....	6	.....	7	.....	ssw.	o	o	mod.	s.	cloudy.
Bgt. Achsah, Port of Spain, Trinidad, W.I†	30.01	762.2	79	26.1	.....	ne	.....	.....	4	.....	4	.....	e.	.....	.....	light	e.	fair.
S. Annie, Bayonne, N. J*	30.03	762.7	.....	.....	.....	calm	.....	.....	0	.....	6	.....	ene.	2 h'r	2 h'r	.....	.....	fair.
Schr. Abbie H. Gheen, N. 35° 00′, W. 74° 30′*†	30.08	764.0	50	10.0	.....	nnw.	.....	.....	6	.....	0	.....	.....	o	o	.....	.....	clear
Bk. Alpha, N. 18° 30′, W. 53° 30′ *†	30.02	762.5	77	25.0	.....	nnw.	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	.....	fair.
Bk. Bore, N. 2° 27′, W. 24° 33′	.....	.....	84	28.9	.....	s.	.....	.....	4	.....	5?	.....	s.	2 h'r	2 h'r	sm'h	.....	cloudy.?
S. S. Bracadale, N. 34° 40′, E. 19° 20′	.....	.....	66	18.9	.....	ne.	.....	.....	3	.....	3	.....	n.	1 h'r	1 h'r	sm'h	n.	fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana	.....	.....	78	25.6	.....	e.	.....	.....	5	.....	5?	.....	e.	o	o	light	e.	clear.?
Bk. Cato, N. 39° 50′, W. 12° 04′†	.....	.....	.....	.....	.....	e.	.....	.....	5	.....	2	.....	.....	o	o	.....	.....	fair.
Bk. C. S. Bushnell, N. 36° 19′, W. 3° 05′	29.96	761.0	59	15.0	82	wnw.	.....	.....	2	.....	3	.....	nw.	o	o	cross	n nw.	clear
	29.73	755.1	.....	.....	.....	sw.	.....	.....	4	.....	.....	.....	sw.	o	o	.....	.....	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from.	
District No. 1—North Atlantic.—Continued.																		
S. David Stewart, N. 35° 55,' W. 75° 07'	.....	.....	51	10.6	.....	nnw.	.....	.....	4	.....	10	.....	wnw.	0	0	mod.	nnw.	gloomy.
S. E. B. Sutton, N. 42° 00', W. 31° 45' *†	30.11	764.8	60	15.6	94	wnw.	.....	.....	5	.....	8	.....	nw.	rain	rain	mod.	w.	hazy.
Bk. Esmeralda, N. 57° 03', W. 10° 50'	29.24	742.7	.....	.....	.....	e.	.....	.....	6	.....	10	.....	e.	4 h'r	4 h'r	h'vy	w.	cloudy.
U. S. Fish. Com. S. S. Fish Hawk, Kings Ferry, Fla	.....	.....	48	8.9	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. George, N. 18° 00', W. 67° 20' *†	30.05	763 3	.....	.....	.....	e.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. Grecian, N. 28° 06', W. 45° 50' †	30.19	766.8	70	21.1	80	s.	.....	.....	6	.....	9	.....	s.	light	light	mod.	e.	raining.
Bk. Galeon, N. 13° 51', W. 36° 50'	.....	.....	74	23.3	.....	ene.	.....	.....	6	.....	0	.....	.....	light	light	.....	ene.	blue sky.
Bk. Heinrich & Tonio, N. 41° 12', W. 58° 54'*†	29.37	746.0	52	11.1	93	se.	.....	.....	4	.....	10	.....	.....	20 h'r	20 h'r	sm'h	.....	rainy.
Bk. Hattie G. McFarland, N. 9' 49', ', W. 80° 09'	.....	.....	78	25.6	.....	n.	.....	.....	5	.....	4	.....	n	0	0	sharp	ne.	
S. Henry Failing N. 41° 21', W. 35° 16'	.....	.....	65	18.3	44	nw.	.....	.....	5	.....	4	.....	nw.	0	0	mod.	wnw.	clear.
Schr. Jennie N. Huddell, off Smiths Id, Va†	30.13	765.3	48?	8.9?	.....	nnw.	.....	.....	7	.....	0	.....	.....	0	0	chop	nne.	clear.
Bg. John Welsh, jr, N. 17° 40', W. 65° 00'†	30.01	762.2	.....	.....	.....	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	
Schr. John Bird, Zaza, W.I*†	30.04	763.0	.....	.....	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. L. & W. Armstrong, N. 18° 49', W. 67° 03'†	30.00	762.0	.....	.....	.....	n.	.....	.....	2	.....	1	.....	n.	0	0	sm'h	nne.	fine.
Lighthouse Tender Laurel, off Egmont Key, Fla †.	30.18	766.6	68	20.0	.....	e.	.....	.....	2-3	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Madrid, N. 35° 29', W. 50° 50'†	29.73	755.1	66	18.9	94	ssw.	.....	.....	6	.....	5	.....	sw.	3 h'r	3 h'r	r'gh	ssw.	squally.
Schr. Maggie Abbott, N. 29° 00', W. 71° 30'*†	30.00	762.0	.....	.....	.....	nw.	.....	.....	5	.....	3	.....	nw.	0	0	h'vy	n.	clear.
S. S. Mendoza, N. 13° 28', W. 50° 04' †	30.05	763.3	.....	.....	.....	e.	.....	.....	2	.....	.....	.....	e.	0	0	sm'h	ese.	clear.
Bk. Rosalie, N. 29° 44', W. 30° 51'*†	30.31	769.9	.....	.....	.....	ne	.....	.....	3	.....	0	.....	.....	0	0	mod.	ne.	clear.
Bkt. Rosebud, N. 40° 31', W. 15° 31'*	29.94	760.5	56	13.3	.....	nnw.	.....	.....	5	.....	5	.....	n.	light	light	.....	.....	
S. Salisbury, N. 49° 07', W. 59° 06'	29.33	744.9	50.7	10.4	91	w.	.....	.....	8	.....	7 kn	.....	w	½ h'r	½ h'r	cross	var.	cloudy.
Bk. Saga, N. 33° 10', W. 69° 15' †	29.80	756.8	55	12.8	.....	nw.	.....	.....	9-10	.....	6	.....	nw.	¼ h'r	¼ h'r	high	var.	stormy.
Bk. Sunbeam, Lisbon, Portugal†	29.84	757.9	60	15.6	82	nne.	.....	.....	6	.....	8	.....	ene.	0	0	.....	.....	cloudy.
S. Stephen D. Horton, N. 44° 59', W. 39° 00' †	30.11	764.8	.....	.....	.....	sw.	.....	.....	3	.....	10	.....	wsw.	18 h'r	18 h'r	mod.	wsw.	foggy.
Bk. Silica, N. 59° 45', W. 18° 30'*	29.56	750.8	.....	.....	.....	ene.	.....	.....	8	.....	8	.....	ene.	rain	rain	h'vy	ene.	cloudy.
S. Tsemogora, N. 39° 20', W. 63° 50'*†	29.27	743.4	.....	.....	.....	wnw.	.....	.....	6	.....	5	.....	wnw.	hail	hail	long	wnw.	
Bk. Tros, N. 20° 45', W. 53° 07'	.....	.....	77	25.0	.....	s.	.....	.....	2	.....	3	.....	ssw.	0	0	sm'h	sse.	
S. Vincenzo Accame, N. 34° 20', E. 28° 44' †	29.91	759.7	64.4	18	.....	se.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bk. Idaho, N. 30° 03', W. 71° 20' *†.	30.03?	762.7?	.....	.....	.....	wnw.	.....	.....	6	.....	2	.....	wnw.	0	0	r'gh	nnw.	clear.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	86	30.0	.....	nw.	.....	.....	2	.....	8	.....	ne.	2 h'r	2 h'r	.....	.....	cloudy.
S. S. Leipzig, N. 21° 43', W. 21° 44'*	30.12	765.0	69.0	20.6	85	ne.	.....	.....	4	.....	4	.....	ne.	0	0	mod.	une.	fair.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, South Africa	29.87	758.7	64	17.8	83	nw.	5	2.2	.....	.....	2	.....	nw.	0	0	sm'h	.....	fair.
U. S. S. Pensacola, S. 9° 17', W. 16° 24' †	30.00	762.0	82	27.8	87	ese.	.....	.....	3	.....	2	.....	ese.	0	0	sm'h	.....	clear.
H. M. S. Amethyst, Montevideo, Uruguay	30.03	762.7	65.5	18.6	82	sse.	.....	.....	6	.....	5	sse.	.....	.....	.....	3	sse.	squally.
H. M. S. Boadicea, S. 21° 59', E. 13° 27'	29.88	758.9	65	18.3	73	s.	.....	.....	3	.....	2	ssw.	.....	.....	.....	6	ssw.	blue sky.
H. M. S. Opal, Simons Bay, Cape Colony	29.95	760.7	68	20.0	73	nw.	.....	.....	2	.....	5	nw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sylvia, S. 36° 57', W. 44° 21'	30.00	762.0	65	18.3	82	sse	.....	.....	3	.....	7	se.	.....	.....	.....	3	se.	d. clouds.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.82	757.4	77.0	25.0	80	wnw.	.....	.....	2	.....	2	.....	nw.	0	0	1	.....	blue sky.
S. S. Strassburg, S. 34° 12', W. 53° 08'	30.08	764 0	68.5	20.3	90	sse.	.....	.....	4-5	.....	10	.....	sse.	0	0	3	sse.	cloudy.
Bk. Adelaide, S. 8° 02', W. 34° 38' *†	29.96	761.0	84	28.9	.....	e.	.....	.....	4	.....	3	.....	ne.	9 h'r	9 h'r	light	ene.	fair.
Bk. Achille F., S. 11° —', W. 32° 15'*†	29.99	761.7	82	27.8	79	ene.	.....	.....	3	.....	3	.....	e.	0	0	light	ese.	fair.
S. Frank N. Thayer, S. 14° 30', W. 27° 16'*†	30.02	762.5	82	27.8	75	e.	.....	.....	3	.....	9 ks	.....	e.	0	0	mod.	sse.	d. clouds.
S. Gatherer, S. 18° 54', W. 36° 21'†	30.00	762.0	82	27.8	87	se.	.....	.....	2	.....	2	.....	se.	½ h'r	½ h'r	sm'h	se.	clear.
S. Ismir, S. 1° 20', W. 34° 42' *†	29.74	755 4	.....	.....	.....	ene	.....	.....	1	.....	10	.....	ene.	rain	rain	.....	ese.	overcast.
Bkt. Levanter, S. 16° 01', W. 30° 54'*	30.03	762.7	84	28.9	.....	ene.	.....	.....	2	.....	2	.....	se.	0	0	mod.	sse	clear.
S. S. Olbers, S. 6° 23', W. 34° 40	30.00	762.0	80.5	26.9	89	ene.	.....	.....	3	.....	5	.....	e.	.....	.....	3	var.	
U. S. S. Shenandoah, Montevideo, Uruguay*	30.12	765.0	65	18.3	89	sse.	.....	.....	4	.....	2	.....	se.	.....	.....	mod.	.....	fair.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.18	766.6	45	7.2	68	calm	.....	.....	0	.....	10	.....	w.	0	0	.....	.....	gloomy.
U. S. S Alert, Shanghai, China	.....	.....	52	11.1	93	ne.	.....	.....	2	.....	0?	.....	.....	.....	.....	.....	.....	cloudy.?
U. S. S. Essex, N. 30° 03', E. 152° 27'	30.26	768.6	62	16.7	71	nne.	.....	.....	5	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Juniata, Roze Island, Corea	30.06	763 5	40	7.8	77	ne.	.....	.....	2	.....	8	.....	.....	0	0	.....	.....	cloudy.
U. S. S. Palos, Shanghai, China	30.07	763.8	48	8.9	100	nw.	.....	.....	1	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
H.M.S. Audacious, Hong Kong, China	29.85	758.2	70	21.1	95	calm	.....	.....	0	.....	10	e.	.....	.....	.....	.....	.....	raining.
H. M. S. Cleopatra, N. 28° 58', E. 121° 57'	29.97	761.2	.....	.....	.....	n.	.....	.....	6	.....	.....	.....	.....	.....	.....	4	.....	
H. M. S. Champion, Shanghai, China	30.03	762.7	53	11.7	93	e.	.....	.....	.....	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Flying Fish, N. 25° 20', E. 118° 37'	29.94	760.5	57.6	14.2	92	ene.	.....	.....	1-3	.....	10	.....	.....	.....	.....	1	.....	raining.
H. P. M. S. Tunega, Macao, China	29.87	758.8	71.6	22	86	n.	.....	.....	4	.....	10	.....	.....	10 h'r	10 h'r	.....	.....	rain & fog.
U. S. S. Monocacy, Canton river, China	29.88	758.9	65	18.3	89	nw.	.....	.....	2	.....	10	.....	nw.	.....	.....	.....	.....	cloudy.
S. S. Arabic, N. 32° 26', E. 156° 32' *†	30.15	765.8	60	15.6	82	nw.	.....	.....	4	.....	8	.....	.....	rain	rain	mod.	nw.	showery.
S. S. City of Chester, San Francisco, Cal †	29.95	760.7	51	10.6	84	sw.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....	
S. S. Oregon, N. 40° 11', W. 124° 39' †	30.04	763.0	50	10.0	72	nw.	.....	.....	2	.....	8	.....	nnw.	.....	.....	mod.	nw.	cloudy.
S. S. Alameda, Honolulu, Sandwich Ids†	30.12	765.0	74	23.3	95	.....	.....	.....	4	.....	.....	.....	ne.	0	0	.....	.....	cloudy.
S. S. Ancon, Pigeon Point, Cal †	29.99	761.7	53	11.7	67	nw.	.....	.....	4	.....	5	.....	w.	0	0	light	wnw.	fair.
S. S. State of California, San Francisco, Cal †	29.95	760.7	50	10.0	86	w.	.....	.....	2	.....	8	.....	w.	.....	.....	.....	.....	cloudy.
S. S. City of Pekin, Hong Kong, China†	29.85	758.2	67	19.4	94	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....	overcast.
S. S. City of Rio de Janeiro, N. 34° 07', W. 130° 13' †	30.12	765.0	54	12.2	.....	nnw.	.....	.....	3	.....	.....	.....	nw.	.....	.....	mod.	wnw.	dull.
S. S. Granada, Panama, Panama†	29.93	760.2	75	23.9	86	nw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. San Blas, La Libertad, San Salvador †	30.03	762.7	78	25.6	91	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	sse.	clear.
S. S. San José, N. 37° 43', W. 122° 32' †	29.95	760.7	57	13.9	.....	nw.	.....	.....	3	.....	4	.....	nw.	0	0	mod.	nw.	fine.
S. S. Benalder, N. 17° 45', E. 110° 30'.	29.89	759.2	79	26.1	91	s.	.....	.....	4	.....	4	.....	s.	0	0	sm'h	.....	hazy.
U. S. S. Richmond, Blenheim Beach, China	29.90	759.4	66	18.9	100	nnw.	.....	.....	2	.....	10	.....	n.	3.4	86.	.....	.....	drizzling.
District No. 4—South Pacific.																		
U. S. S. Pinta, Talcahuano, Chili	29.97	761.2	51	10.6	93	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Wachusetts, Valparaiso, Chili	29.99	761.7	50	13.3	94	calm	.....	.....	0	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
H. M. S. Espeigle, S. 34° 03', E. 150° 28'	30.24	768.1	71	21.7	90	e.	.....	.....	2	.....	2	ne.	.....	.....	.....	2	ne.	blue sky.
H. M. S. Kingfisher, S. 29° 50', W. 71° 20'	30.01	762.2	57	13.9	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	foggy.
H. M. S. Lark, S. 17° 50', E. 150° 50	29.81	757.2	77.3	25.2	80	sse.	.....	.....	3	.....	5	.....	.....	.....	.....	2	sse.	d. clouds.
H. M. S. Mutine, Callao, Peru	29.95	760.7	73	22.8	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Sappho, S. 23° 38', W. 70° 20'	30.05	763.3	66	18.9	95	sw.	.....	.....	1	.....	3	ssw.	.....	.....	.....	2	ssw.	blue sky.
S. S. Australia, S. 9° 53', W. 109° 41'	30.04	763.0	78	25.6	82	var.	.....	.....	1	.....	0	.....	.....	½ h'r	½ h'r	.....	.....	clear.
S. S. City of Sydney, Auckland, New Zealand*†	30.38	771.6	64	17.8	83	e.	.....	.....	2	.....	2 k	.....	ene.	.....	.....	light	ene.	clear.
U. S. S. Onward, Callao Bay, Peru *†	30.04	763.0	71	21.7	95	calm	.....	.....	0	.....	5	.....	.....	.....	.....	long	w.	fair.
U. S. S. Iroquois, S. 26° 58', W. 70° 52'	30.03	762.7	62	16.7	82	nnw.	.....	.....	3	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	71	21.7	90	calm	.....	.....	0	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.78	756.4	85	29.4	61	nnw.	.....	.....	4	.....	8	.....	.....	.....	.....	.....	.....	cloudy.
H. M. S. Magpie, S. 10° 20', E. 100° 18'	29.85	758.2	79.5	26.4	91	sse.	.....	.....	3	.....	10	.....	.....	.....	.....	4	se.	raining.
H. M. S. Tourmaline, S. 9° 30', E. 45° 20'	29.88	758.9	85	29.4	79	ese.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. J. W. Gildemeister, S. 6° 27', E 104° 44'	29.91	759.7	78.8	26	85	w.	.....	.....	4	.....	10n	.....	.....	16 h'r	16 h'r	4	w; se.	raining.
S. Orealia, N. 1° 00', E. 81° 30' *.	29.85	758.2	.....	.....	.....	ssw.	.....	.....	3	.....	5	.....	s.	0	0	sm'h	se.	fair.

International Chart I. March 31, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

SUMMARY AND REVIEW

OF

INTERNATIONAL METEOROLOGICAL OBSERVATIONS,

MARCH, 1884.

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea.		Result of Simultaneous Observations for March, 1884.																		Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity.	Wind.													
						Actual.		Reduced.					Directions.									Total Movement.				
				Feet.	Met'rs	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.	0–10	Inch.	Mill.
ALGERIAN.	° ′	° ′																								
Nemours	N. 35 06	W. 1 50	0,00 m.	13	4	.....	.....	29.92	760.0	63.0	17.2	75.3	4	4	3	2	2	11	4	1	.....	.....	.....	3	5.17	131.4
Algiers	N. 36 47	E. 3 05	0.20 p.m.	72	22	.....	.....	29.93	760.2	61.0	16.1	68.4	4	3	3	2	3	11	4	1	.....	.....	.....	3	4.06	103.0
La Calle	N. 36 54	E. 8 26	0.42 p.m.	36	11	.....	.....	29.93	760 1	63.0	17.2	76.1	2	4	3	2	10	2	2	6	.....	.....	.....	4	3.29	83.5
Tunis	N. 36 42	E. 10 13	0.49 p.m.	46	14	.....	.....	29.95	760.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Geriville	N. 33 45	E. 1 10	0.13 p.m.	4281	1305	.....	.....	29.98	761.5	50.5	10.3	66 6	6	8	.....	5	1	8	.....	3	.....	.....	.....	3	1.17	29.8
Laghouat	N. 33 48	E. 2 53	0.20 p.m.	2454	748	.....	.....	30.01	762.2	62.6	17.0	.....	2.	5	2	.....	5	2	4	5	6	.....	.....	4	4.56	115.9
Biskra	N. 34 51	E. 5 41	0.31 p.m.	410	125	.....	.....	29.98	761.4	65.3	18.5	69.2	2	2	9	.....	.....	.....	10	1	7	.....	.....	4	2.92	74.2
AUSTRALIAN.																										
Adelaide	S. 34 57	E. 138 35	9.22 p.m.	140	42	.....	.....	30.11	764.8	67.9	19.9	55.1	1	.....	.....	2	3	8	3	1	13	.....	.....	3	1.74	44.2
Hobart Town *a*	S. 42 53	E. 147 26	9.57 p.m.	190	58	29.91	759.7	30.10	764.5	56.5	13.6	80.0	4	5	3	3	4	4	.....	1	7	.....	.....	5	0.36	9.1
Melbourne	S. 37 50	E. 144 58	9.47 p.m.	91	28	30.04	762.9	30.13	765.2	60.8	16.0	77.0	2	.....	.....	3	6	16	2	2	.....	.....	.....	5	3.11	79.0
AUSTRIAN.																										
Agram	N. 45 48	E. 15 53	1.12 p.m.	536	163	29.45	748.1	30.01	762.3	50.9	10.5	45.3	.....	.....	2	8	1	9	5	6	.....	.....	.....	7	1.76	44.7
Cracow	N. 50 04	E. 20 00	1.28 p.m.	722	220	29.23	742.5	30.02	762.4	43.5	6.4	68.1	2	4	3	1	.....	.....	16	5	.....	.....	.....	6	1.65	42 0
Eperies	N. 48 58	E. 21 15	1.33 p.m.	846	258	29.14	740.1	30.02	762.5	39.6	4.2	75.5	9	.....	.....	.....	.....	5	.....	.....	17	.....	.....	7	0.90	24.4
Gratz	N. 47 04	E. 15 28	1.10 p.m.	1171	357	28 76	730.4	30.02	762 5	49.1	9.5	58.9	1	5	3	4	6	7	2	2	1	.....	.....	6	1.72	43.8
Hermannstadt	N. 45 47	E. 24 13	1.45 p.m.	1352	412	28.55	725.2	30.00	761.9	47.1	8.4	64.9	.....	8	2	.....	4	12	5	.....	.....	.....	.....	7	1.94	49.4
Kremsmunster	N. 48 03	E. 14 08	1.04 p.m.	1260	384	28.63	727.1	29.98	761.0	44.8	7.1	75.3	.....	2	10	1	.....	1	7	6	4	.....	.....	6	1.78	45.3
Lemberg	N. 49 50	E. 24 00	1.44 p.m.	978	298	29.07	738.3	30.09	764.3	37.9	3.3	74.0	3	1	1	.....	5	5	14	2	.....	.....	.....	8	1.32	33.6
Pola	N. 44 52	E. 13 51	1.04 p.m.	105	32	29.87	758.8	29.99	761.7	53.8	12.1	72.6	1	6	5	2	4	4	5	4	.....	.....	.....	6	3.74	95.0
Szathmar	N. 47 46	E. 22 53	1.39 p.m.	430	131	29.50	749.3	29.97	761.3	48.9	9.4	59.0	9	.....	6	.....	8	3	5	.....	.....	.....	.....	3	1.06	26.8
Szegedin	N. 46 15	E. 20 10	1.29 p.m.	279	86	29.71	754.6	29.99	761.8	50.4	10.2	56.6	1	1	5	4	5	5	1	2	7	.....	.....	6	1.37	34.8
Trieste	N. 45 39	E. 13 46	1.04 p.m.	85	26	29.92	760.0	30.02	762.5	54.1	12.3	56.1	1	6	5	3	.....	2	6	7	1	.....	.....	5	1.22	31.1
Vienna	N. 48 12	E. 16 22	1.14 p.m.	603	202	29 23	742 5	29.95	760.7	51.4	10.8	55.5	.....	5	4	.....	.....	14	2	2	4	.....	.....	6	1.51	38.3
BELGIAN																										
Arlon	N. 49 40	E. 5 48	0.32 p.m.	?	?	28.56	725.4	29.91	759.8	47.7	8.7	70.1	.....	2	.....	13	1	7	8	.....	.....	.....	.....	2	1.32	33.5
Brussels *a*	N. 50 51	E. 4 22	0.26 p.m.	187	57	29.76	756.0	29.97	761.2	49.6	9.8	67.7	1	2	5	8	6	1	3	4	.....	.....	.....	7	1.36	34.5
Furnes	N. 51 04	E. 2 40	0.19 p.m.	20	6	29.94	760.5	29.96	761.0	50.5	10.3	69.3	2	5	2	4	11	2	1	4	.....	.....	.....	6	0.98	24.8
Maeseyck	N. 51 06	E. 5 48	0.32 p.m.	115	35	29.87	758.7	30.00	761.9	51.6	10.9	71.96	3	3	7	5	5	2	2	4	...	.....	.....	7	1.17	29.7
BRITISH.																										
Aberdeen	N. 57 10	W. 2 06	0.00 m.	89	27	29.73	755.1	29.83	757.7	43.7	6.5	72.4	.....	2	3	2	10	12	1	1	.....	.....	.....	7	3.29	83.6
Bidston	N. 53 24	W. 3 04	11.56 a.m.	197	60	.....	.....	29.87	758.7	46.5	8.1	68.5	.....	.....	4	5	5	11	4	2	.....	.....	.....	7	.....	.....
Bolton	N. 53 35	W. 2 28	11.58 a.m.	500	152	29.33	745.0	29.87	758.7	45.0	7.2	74.4	.....	1	3	3	10	8	5	1	.....	.....	.....	8	.....	.....
Bradford	N. 53 48	W. 1 47	0.01 p.m.	366	111	29.47	748.5	29.86	758.4	46.1	7.8	70.2	1	2	3	0	6	6	3	4	.....	.....	.....	8	.....	.....
Bridgetown	N. 13 04	W. 59 37	8.10 a.m.	28	9	30.01	762.2	30.04	763.0	79.4	26.3	72.9	.....	.....	.....	.....	.....	.....	9	22	.....	.....	.....	4	.....	.....
Cardington	N. 52 08	W. 0 27	0.06 p.m.	109	33	.....	.....	.....	.....	47.2	8.4	74.9	2	1	7	8	4	.....	7	2	.....	.....	.....	7	.....	.....
Chatham	N. 51 25	E. 0 33	0.10 p.m.	160	49	29.78	756.4	29.96	761.0	49.3	9.6	75.7	2	3	3	7	3	.....	3	7	.....	.....	.....	7	.....	.....
Falmouth	N. 50 09	W. 5 04	11.48 a.m.	211	64	29.70	754.4	29.92	760.0	48.0	8.9	72.8	.....	2	3	2	10	8	3	3	.....	.....	.....	7	.....	.....
Fort Napier	S. 30 00	E. 31 00	2.12 p.m.	2205	672	29.59	751.6	29.90	759.4	76.3	24.6	66.3	1	2	.....	.....	2	1	1	24	.....	.....	.....	5	.....	.....
Galway	N. 53 15	W. 9 03	11.32 a.m.	32	10	29.70	754.4	29.74	755.4	46.2	7.9	83.2	.....	2	2	9	8	7	3	.....	.....	.....	.....	6	3.53	89.7
Gibraltar	N. 36 09	W. 5 21	11.47 a.m.	50	15	29.87	758.7	29.97	761.2	59.8	15.4	89.8	.....	6	8	1	...	3	13	.....	.....	.....	.....	6	.....	.....
Greenwich	N. 51 29	0 00	0.08 p.m.	159	48	29.77	756.1	29.94	760.5	49.7	9.8	67.4	7	.....	4	5	8	3	1	3	.....	.....	.....	7	.....	.....
Guernsey	N. 49 27	W. 2 41	11.58 a.m.	275	84	29.65	753.1	29.95	760.7	48.9	9.4	74.7	2	4	5	2	10	2	5	.....	1	.....	.....	6	.....	.....
Kew	N. 51 28	W. 0 19	0.07 p.m.	34	10	29.91	759 7	29.90	761.0	48.2	9.0	65.2	4	2	6	3	9	.....	.....	7	.....	.....	.....	7	.....	.....
Leicester	N. 52 39	W. 1 08	0.04 p.m.	245	75	29.65	753.1	29.71	754.6	49.0	9.4	65.3	1	3	4	10	5	.....	.....	7	1	.....	.....	7	.....	.....
Malta	N. 36 00	E. 14 30	1.00 p.m.	70	21	29.84	757.9	29.92	760.0	59.6	15.3	73.2	1	7	1	5	(	4	4	8	.....	.....	.....	7	.....	.....
Nassau	N. 25 04	W. 77 22	6.58 a.m.	44	13	30.10	764.5	30.15	765.8	74.4	23.6	75.4	3	3	1	.....	4	13	2	5	.....	.....	.....	5	.....	.....
Oxford	N. 51 46	W. 1 17	0.03 p.m.	210	64	29.70	754.4	29.93	760.2	48.0	8.9	70.9	1	3	4	4	5	5	1	8	.....	.....	.....	7	.....	.....
Plymouth	N. 50 22	W. 4 10	11.51 a.m.	69	21	29.84	757.9	29.91	759.7	49.2	9.0	77.1	.....	2	2	5	7	8	2	2	3	.....	.....	8	.....	.....
Sandwick Manse	N. 59 05	W. 3 20	11.54 a.m.	94	29	29.65	753.1	29.74	755.4	43.7	6.5	82.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	.....	.....
Scutari Cemet'y	N 41 00	E. 29 03	2 04 p.m.	60	18	29.95	760.7	30.02	762.5	50.4	10.2	71.1	11	.....	.....	.....	6	4	2	.....	6	1	.....	8	.....	.....
Sheffield	N. 53 23	W. 1 28	0.02 p.m.	260	79	29.63	752.6	29.90	759.4	48.4	9.1	67.0	.....	1	2	7	11	.....	1	8	1	.....	.....	5	.....	.....
Silloth Rectory	N. 54 52	W. 3 22	11.54 a.m.	28	9	29.81	757.2	29.84	757.9	46.1	7.8	84.0	3	1	2	11	4	3	6	1	.....	.....	.....	8	2.78	70.6
Stonyhurst	N. 53 51	W. 2 28	11.58 a.m.	361	110	.....	.....	29.92	760.0	45.4	7.4	68.7	.....	1	5	4	6	6	6	3	.....	.....	.....	8	.....	.....
Strathfield	N. 51 17	W. 0 53	0.04 p.m.	197	60	.....	.....	.....	.....	49.9	9.9	71.3	3	2	5	7	4	3	4	3	.....	.....	.....	7	.....	.....
Valencia	N. 51 55	W. 10 18	11.27 a.m	23	7	29.75	755.6	29.77	756.1	48.5	9.2	75.8	1	3	2	6	10	5	3	1	.....	.....	.....	9	.....	.....
Sub-section.																										
Gozo	N. 36 01	E. 14 16	1.05 p.m.	364	111	29.60	751.8	30.04	763.0	59.2	15.1	69.1	.....	4	5	2	3	2	11	3	1	2856	2987	7	1.77	45.0
Hong Kong	N. 22 18	E. 114 04	7.45 p.m.	110	33	29.90	759.4	30.02	762.5	62.6	17.0	92.0	1	.....	2	.....	.....	1	22	5	.....	.....	.....	9	5.74	145.8
CANADIAN.																										
Bathurst	N. 47 39	W. 65 43	7.45 a.m.	35	11	29.88*g*	758.9*g*	29.92*g*	760.0*g*	19.2*a*	−7.1*a*	.....	2*a*	3	2	5	1	.....	1	1	15	.....	.....	6*a*	1.84*a*	46.7*a*
Charlottetown	N. 46 14	W. 63 10	7.55 a.m.	38	12	29.87	758.7	29.92	760.c	21.6	−5.8	87.8	1	6	7	4	4	3	1	5	.....	6742	10850	6	4.88	123.9
Chatham*	N. 47 03	W. 65 29	7.45 a.m.	56	17	29.90	759.4	29.97	761.2	16.2	−8.8	92.2	4	8	5	9	5	.....	.....	2	6	4307	6931	6	3.58	90.9
Cornwall	N. 45 01	W. 74 43	7.09 a.m.	175	53	29.78	756.4	30 02	762 5	19.7	−6.8	93.3	2	8	.....	.....	.....	.....	8	5	.....	.....	.....	6	2.86	72.6
Dalhousie *a*	N. 48 04	W. 66 22	7.32 a.m.	45	14	29.91	759.7	29.96	761.0	14.0	−10.0	.....	1	3	17	1	.....	.....	4	.....	4	.....	.....	5	2.66	67.6
Father Point*	N. 48 31	W. 68 28	7.34 a.m.	20	6	29.95	760.7	29.97	761.2	13.7	−10.2	87.3	2	6	4	2	7	.....	.....	5	5	.....	.....	6	3.20	81.3
Fort Garry*	N. 49 51	W. 97 07	5.39 a.m.	754	230	29.18	741.2	30.04	763.0	0.2	−17.7	96.7	3	3	9	.....	5	4	2	2	3	7339	11801	3	1.32	33.5
Fredericton	N. 45 57	W. 66 38	7.41 a.m.	59	18	29.92	760.0	29.99	761.7	18.0	−7.8	85.1	2	10	4	..	1	.....	2	6	6	.....	.....	6	3.00	77.7
Grand Manan	N. 44 46	W. 66 45	7.41 a.m.	49	15	29.91	759.7	29.96	761.0	26.4	−3.1	84.3	4	6	4	3	.....	2	2	7	3	10554	16985	7	5.02	127.5
Granton	N. 44 39	W. 81 21	6.43 a.m.	1015	309	29.89	759.2	30.06	763.5	21.6	−5.8	90.9	.....	3	1	2	2	1	.....	3	19	.....	.....	6	2.05	52.1
Halifax*	N. 44 39	W. 63 36	7.53 a.m.	122	37	29.81	757.2	29.95	760.7	25.6	−3.0	92.0	5	2	1	12	.....	5	.....	4	2	1	.....	5	7.02	178.3
Hamilton	N. 43 16	W. 79 53	0.49 a.m.	372	113	29.59	751.6	30.02	762.5	27.6	−2.4	86.4	.....	4	4	15	.....	.....	.....	7	1	.....	.....	5	2.94	74.7
Kingston*	N. 44 14	W. 76 30	7.02 a.m.	307	94	29.67	753.6	30.02	762.5	23.2	−4.9	85.9	8	3	4	3	3	2	.....	5	3	5693	9162	6	2.93	74.4
Little GlaceBay	N. 46 12	W. 59 58	8.08 a.m.	34	10	29.81	757.2	29.85	758.2	26.1	−3.3	87.7	4	6	3	8	2	2	1	5	.....	.....	.....	7	2.50	63.5
London	N. 43 00	W. 81 15	6.43 a.m.	832	254	29.10	739.1	30.06	763.5	22.8	−5.1	87.8	2	1	1	....	6	.....	1	2	19	.....	.....	8	2.68	68.1
Medicine Hat	N. 50 01	W. 110 37	4.46 a.m.	2136	651	27.57	700.3	30.00	762.0	13.5	−10.3	89.0	2	2	2	5	12	2	3	3	.....	5847	9410	4	0.86	21.8
Minnedosa*	N. 50 13	W. 99 48	5.29 a.m.	1796	545	27.98	710.7	30.10	764.5	3.4	−15.9	94.6	4	16	2	.....	2	.....	3	3	1	.....	.....	4	1.07	27.2
Montreal*	N. 45 31	W. 73 33	7.13 a.m.	187	57	29.81	757.2	30.03	762.7	20.5	−6.4	84.3	4	4	8	2	1	5	1	5	1	.....	.....	6	3.43	87.1
Ottawa	N. 45 26	W. 75 41	7.05 a.m.	200	61	29.79	750.7	30.03	762.7	15.0	−9.4	90.5	3	6	5	9	2	1	....	5	.....	.....	.....	4	1.99	50.5
Parry Sound*	N. 45 19	W. 80 01	6.48 a.m.	925	194	29.30	744.2	30.03	762.7	14.5	−9.7	82.1	7	2	8	2	3	3	3	1	2	6887	11083	5	2.60	66.0
Peterboro	N. 44 17	W. 78 18	6.54 a.m.	675	206	29.25	742.9	30.04	763 0	22.1	−5.5	75.8	3	7	7	4	.....	1	1	7	1	.....	.....	6	2.01	51.1
Port Arthur	N. 48 27	W. 89 12	6.11 a.m.	642	196	29.31	744.5	30.07	763.8	13.1	−10.5	84.6	4	3	8	3	4	.....	1	2	6	3399	5470	2	1.74	44.2
Port Dover	N. 42 47	W. 80 13	6.47 a.m.	635	194	29.32	744.7	30.05	763.3	24.5	−4.2	94.8	6	5	3	5	3	.....	.....	6	3	6090	9801	6	2.26	57.4
Port Stanley	N. 42 40	W. 81 13	6.43 a.m.	592	180	29.37	746.0	30.05	763.3	23.5	−4.7	88.7	3	5	8	2	.....	2	5	5	1	.....	.....	7	2.49	63.2
Qu Appelle	N. 50 44	W. 103 42	5.13 a.m.	2115	646	.....	.....	30·06†	763.5†	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Quebec*	N. 46 48	W. 71 12	7.23 a.m.	293	89	29.62	752.3	29.90	761.0	16.7	−8.5	91.5	5	.....	5	6	1	.....	.....	2	12	.....	.....	7	2.37	60.2
Rockliffe*	N. 46 10	W. 77 48	6.57 a.m.	418	127	29.55	750.6	30.03	762.7	11.9	−11.2	83.3	2	11	5	.....	.....	5	3	1	4	.....	.....	4	1.92	48.8
Saint Andrews	N. 45 04	W. 81 06	6.34 a.m.	47	14	29.89	759 2	29.94	760.5	23.8	−4.6	92.2	2	12	2	2	.....	2	1	8	2	.....	.....	6	4.78	121.4
Saint John, N.B	N. 45 17	W. 66 03	7.44 a.m.	130	40	29.81	757.2	29.90	761.0	23.1	−4.9	91.7	2	10	3	3	1	.....	4	2	6	.....	.....	5	4.14	105.2
Saint Pierre *g*	N. 46 47	W. 56 08	8.24 a.m.	?	?	.....	.....	29.80	756.8	26.2	−3.2	.....	3	3	5	2	4	4	....	3	.....	.....	.....	.....	.....	.....
Saugeen *	N. 44 30	W. 81 21	6.42 a.m.	656	200	29.30	744.2	30.04	763 0	20.5	−6.4	90.5	5	....	3	6	3	3	2	1	8	7104	11432	5	1.69	42.9
Stratford	N. 43 23	W. 81 00	6.44 a.m.	1186	361	29.70	754.4	30.04	763.0	22.1	−5.5	80.5	2	1	0	2	2	2	2	.....	14	.....	.....	6	3.09	78.5

†Interpolated from 3 and 11 p. m. observations.

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea.		Result of Simultaneous Observations for March, 1884.																				Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity.	Wind.															
						Actual.		Reduced.					Directions.									Total Movement.						
				Feet.	Met'rs	Inch.	Mill.	Inch.	Mill.	Fah.	Cent		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.	0–10	Inch.	Mill.
CANADIAN.—Con.	o ′	o ′																										
Sydney*	N. 46 08	W. 60 10	8.07 a.m.	37	11	29.86	758.4	29.90	759.4	23.0	—5.0	87.9	4	2	6	5	1	2	1	3	7	6508	4044	8	4.78	121.4
Toronto*	N. 43 39	W. 79 23	6.50 a.m.	350	107	29.66	753.4	30.06	763.5	23.8	—4.6	84.3	10	4	5	4	1	1	2	4	.....	8350	5188	6	2.48	63.0
Woodstock	N. 43 08	W. 80 47	6.48 a.m.	980	299	28.95	735.3	30.08	764.0	22.7	—5.2	82.4	a3	6	6	5	5	2	1	2	.....	.....	.....	7	1.34	34.0
Yarmouth*	N. 43 50	W. 66 02	7.44 a.m.	61	19	29.84	757.9	29.91	759.7	28.9	—1.7	82.8	7	6	1	.....	3	2	9	1	2	.....	.....	6	4.28	108.7
CAPE COLONY																												
Cape St. Francis	S. 34 10	E. 24 50	1.47 p.m.	25	7	29.99	761.7	30.02	762.5	67.7	19.8	90.8	.....	.....	.....	19	.....	2	1	9	.....	.....	.....	5	1.83	46.5
Cape Town a	S. 34 02	E. 18 29	1.22 p.m.	?	?	29.90	759.4	.....	.....	47.7	8.7	72.8	1	7	1	3	2	13	2	1	.....	.....	.....	2	0.18	4.6
Springbok	S. 29 45	E. 17 43	1.19 p.m.	?	?	27.90	708.6	.....	.....	79.2	26.2	51.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0
CHILIAN.																												
Niebla	S. 39 53	W. 73 25	7.14 a.m.	98	30	29.53	750.0	29.63	752.6	52.3	11.3	89.9a	1	2	4	.....	.....	.....	24	.....	.....	.....	.....	5	4.37	111.0
Quiriquina	S. 36 37	W. 73 03	7.25 a.m.	167	57	.....	.....	.....	.....	57.7	14.3	83.3	5	1	2	4	14	4	1	..	.....	.....	.....	4	1.79	45.4
Valparaiso	S. 33 02	W. 71 39	7.22 a.m.	131	40	29.84	757.9	29.98	761.5	59.7	15.4	89.3	6	1	.....	4	14	3	1	2	.....	.....	.....	4	.....	.....
CHINESE. (*Sub*).																												
Zi-Ka-Wei	N. 31 12	E. 121 26	8.14 p.m.	22	7	30.13	765.2	30.15	765.8	44.8	7.1	79.0	5	7	.....	.....	.....	7	7	5	.....	.....	.....	7	2.94	74.8
DANISH.																												
Copenhagen	N. 55 41	E. 12 36	0.58 p.m.	43	13	30.00	762.0	30.05	763.2	39.6	4.2	81.5	.....	.....	3	2	6	11	6	3	.....	.....	.....	7	.....	.....
Fanöe	N. 55 27	E. 8 24	0.42 p.m.	20	6	29.97	761.3	29.99	761.8	41.4	5.2	81.5	.....	.....	5	5	3	4	7	7	.....	.....	.....	7	.....	.....
Godthaab	N. 64 11	W. 51 46	8.41 a.m.	36	11	29.54	750.3	29.58	751.4	7.2	—13.8	97.0a	7	10	.....	3	2	1	.....	7	1	.....	.....	8	.....	.....
Ivigtut	N. 61 12	W. 48 00	8.56 a.m.	16	5	29.45	748.0	29.47	748.5	14.9	—9.5	.....	7	4	.....	.....	1	1	.....	4	14	.....	.....	7	.....	.....
Stykkisholm	N. 65 05	W. 22 46	10.37 a.m.	36	11	29.38	746.3	29.43	747.4	35.6	2.0	80.6	.....	.....	.....	1	4	9	9	5	3	.....	.....	7	.....	.....
Thorshavn	N. 62 02	W. 6 44	11.41 a.m.	29	9	29.05	753.0	29.67	753.6	43.7	6.5	83.6	1	1	2	5	4	15	2	1	.....	.....	.....	8	.....	.....
Upernavik	N. 72 47	W. 56 00	8.24 a.m.	39	12	29.64	752 9	29.69	754.1	—9.8	—23.2	.....	.....	.....	.....	7	.....	2	7	.....	15	.....	.....	4	.....	.....
Vestervig	N. 56 47	E. 8 20	0.41 p.m.	82	25	29.89	759.3	29.98	761.6	40.1	4.5	83.9	1	1	5	4	3	2	11	4	.....	.....	.....	6	.....	.....
Egyptian.																												
Cairo	N. 30 03	E. 31 21	2.14 p.m.	?	?	29.85	758.3	.....	.....	71.6	22.0	35.5	2	6	1	5	.....	1	2	14	.....	.....	.....	3	inap.	inap.
FRENCH.																												
Agen	N. 44 12	E. 0 38	0.11 p.m.	604	184	29.37	745.9	30.03	762.7	55.4	13.0	62.0	3	4	4	2	2	12	1	2	1	.....	.....	.....	0.05	1.3
Alençon	N. 48 26	E. 0 05	0.09 p.m.	476	145	29.34	745.1	29.97	761.2	47.7	8.7	84.1	9	4	1	4	9	.....	2	2	.....	.....	.....	4	1.17	29.7
Arras	N. 50 18	E. 2 46	0.19 p.m	223	68	29.73	755.1	29.96	760.9	50.7	10.4	62.8	1	1	5	9	....	4	5	6	.....	.....	.....	4	1.29	32.7
Avignon	N. 43 57	E. 4 48	0.27 p.m	65	20	29.90	759.5	29.98	761.5	60.1	15.6	42.5	5	11	2	1	2	6	.....	4	.....	.....	.....	3	0.04	1.0
Bar-sur-Seine	N. 48 07	E. 4 22	0.25 p.m.	518	158	29.43	747.4	29.97	761 3	52.3	11.3	57.6	2	1	1	3	9	4	8	3	.....	.....	.....	5	1.01	25.6
Beauvais	N. 49 26	E. 2 05	0.16 p.m.	246	75	29.72	754.8	29.99	761.7	50.7	10.4	58.9	1	3	4	2	4	5	8	4	.....	.....	.....	5	1.12	28.4
Besançon	N. 47 14	E. 6 02	0.32 p.m.	846	258	29.04	737.7	29.94	760.4	55.8	13.2	53.7	.....	.....	.....	1	8	.....	12	10	.....	.....	.....	.....	0.24	6.2
Bordeaux	N. 44 50	E. 0 32	0.06 p.m.	243	74	29.70	754.3	29.96	761.0	55.8	13.2	59.3	5	6	.....	2	1	8	6	3	.....	.....	.....	5	0.46	11.7
Bourges	N. 47 10	E. 2 26	0.17 p.m.	510	156	29.43	747.6	29.95	761.6	55.0	12.8	59.5	9	2	3	3	4	4	2	4	.....	.....	.....	4	0.33	8.4
Brest	N. 48 24	W. 4 30	11.50 a.m.	210	64	29.75	755.6	29.99	761.8	54.5	12.5	71.9	1	1	5	8	5	2	3	4	2	.....	.....	5	1.66	42.2
Caen	N. 49 11	W. 0 21	0.07 p.m.	69	21	29.86	758.5	29.93	760 3	53.6	12.0	93.2	3	7	5	3	.....	.....	.....	5	.....	.....	.....	5	1.26	32.0
Châlons-sur-Marne	N. 48 57	E. 4 21	0.25 p.m.	294	90	29.67	753.6	29.99	761.7	51.8	11.0	67.9	1	2	2	6	8	3	3	4	2	.....	.....	4	1.02	25.8
Charleville	N. 49 46	E. 4 49	0.27 p.m.	476	145	29.61	752.2	29.98	761.6	51.1	10.6	63.1	1	5	4	5	2	4	3	7	.....	.....	.....	6	0.43	11.0
Clermont-Fer'and	N. 45 46	E. 3 05	0.20 p.m.	1273	388	28.60	726.4	29.95	760 7	55.4	13.0	41.7	7	6	2	2	6	1	3	4	.....	.....	.....	5	0.29	7.4
Cluny	N. 46 26	E. 4 39	0.27 p.m.	787	240	29.13	739.9	30.01	762.2	53.4	11.9	53.0	7	1	3	1	6	5	.....	8	.....	.....	.....	4	0.21	5.4
Commercy	N. 48 46	E. 5 35	0.30 p.m.	797	243	29.13	740.0	30.01	762.3	49.1	9.5	63.1	1	5	4	6	3	2	2	8	.....	.....	.....	4	0.67	17.1
Gap	N. 44 33	E. 6 05	0.32 p.m.	2424	739	27.39	695.8	29.92	760.0	53.4	11.9	41.4	2	2	5	2	6	3	1	3	7	.....	.....	3	0.33	8.4
Gréasque	N. 43 25	E. 5 37	0.31 p.m.	1056	322	28.83	732.2	29.95	760 6	58.1	14.5	45.6	4	6	1	3	7	8	.....	2	.....	.....	.....	3	0.33	12.9
Grenoble	N. 45 12	E. 5 43	0.31 p.m.	715	218	29.19	741.5	29.95	760.8	57.6	14.2	51.0	2	7	7	2	3	1	2	4	3	.....	.....	5	0.51	9.0
Guéret	N. 46 10	E. 1 52	0.16 p.m.	1486	453	28.39	721.1	29.98	761.4	50.4	10.2	60.9	.....	1	1	6	1	10	1	11	.....	.....	.....	.....	0.35	3.3.8
Lamballe h	N. 48 28	W. 2 31	11.58 a.m.	252	77	29.66	753.4	29.94	760.4	52.9	11.6	69.2	3	4	.....	4	3	3	2	4	.....	.....	.....	.....	1.33	25.5
Lescar	N. 43 20	W. 0 26	0.06 p.m.	525	160	29.40	746.8	29.96	760.9	59.9	15.5	45.2	3	2	8	1	1	5	10	.....	.....	.....	.....	4	1.00	20.1
Lorient	N. 47 45	W. 3 21	11.55 a.m.	86	26	29.87	758.7	29.97	761.3	54.5	12.5	65.0	.....	2	1	3	9	8	3	5	.....	.....	.....	.....	0.79	52.4
Lyon	N. 45 41	E. 2 30	0.25 p.m.	981	299	28.32	734.5	29.98	761.4	53.6	12.0	49.1	11	.....	..	1	11	3	3	2	.....	.....	.....	5	2.06	4.7
Mans	N. 48 01	E. 0 12	0.09 p.m.	285	87	29.68	753.9	30.02	762.4	50.4	10.2	67.1	2	2	5	4	5	3	5	5	.....	.....	.....	4	0.18	29.4
Marseille	N. 43 18	E. 5 23	0.29 p.m.	246	75	29.68	753.9	29.95	760.7	59.0	15.0	53.7	.....	5	5	10	2	4	5	.....	.....	.....	.....	.....	1.16	5.4
Montlouis	N. 42 30	E. 2 07	0.16 p.m.	5203	1586	24.71	627.7	29.56	750.7	41.2	5.1	58.7	3	3	4	9	1	2	4	5	.....	.....	.....	4	0.21	80.9
Montpellier	N. 43 37	E. 3 53	0.24 p.m.	118	36	29.83	757.7	29.94	760.5	57.9	14.4	75.8	6	4	1	4	4	6	5	1	.....	.....	.....	3	3.18	17.8
Nancy	N. 48 42	E. 6 11	0.33 p.m.	725	221	29.19	741.5	29.98	761.6	51.1	10.6	57.9	k4	3	3	2	4	2	.....	2	.....	.....	.....	.....	0.70	9.0
Nantes	N. 47 13	W. 1 33	0.02 p.m.	134	41	29.85	758.2	30.01	762.3	54.5	12.5	59.4	4	3	2	4	3	6	2	7	.....	.....	.....	7	0.35	30.2
Perpignan	N. 42 42	E. 2 53	0.19 p.m.	105	32	29.86	758.5	29.97	761.3	57.2	14.0	56.1	1	9	.....	4	1	7	7	.....	2	.....	.....	5	1.19	59.2
Pic du Midi (Sum-	N. 42 56	W. 0 08	0.08 p.m.	9380	2859	21.06	534.8	.....	.....	26.4	—3.1	.....	.....	1	3	9	1	4	1	6	6	.....	.....	.....	2.33	69.5
Privas	N. 44 45	E. 4 36	0.26 p.m.	997	304	28.96	735.6	29.99	761.7	55.4	13.0	44.5	8	1	.....	.....	7	6	1	.....	8	.....	.....	3	2.74	6.1
Puy de Dôme	N. 45 46	E. 2 58	0.20 p.m.	4813	1467	25.05	636.2	.....	.....	35.2	1.8	77.9	4	2	4	6	5	3	3	4	.....	.....	.....	5	0.24	21.3
Rochefort	N. 45 56	W. 0 58	0.04 p.m.	29	9	29.96	761.0	30.00	761.9	58.3	14.6	54.6	1	4	1	3	4	4	1	9	4	.....	.....	5	0.84	37.0
Roche-sur-Yon	N. 46 40	W. 1 26	0.02 p.m.	198	60	29.75	755.7	29.97	761.2	54.7	12.6	58.1	4	.....	7	4	5	6	3	2	.....	.....	.....	2	1.46	37.0
Rodez	N. 44 21	E. 2 34	0.18 p.m.	2050	625	27.83	736.8	30.00	761.9	51.1	10.6	71.0	1	10	4	2	1	6	5	.....	2	.....	.....	.....	0.91	23.1
Rouen	N. 49 26	E. 1 05	0.12 p.m.	39	12	29.95	760.6	29.99	761.8	51.8	11.0	67.5	4	8	2	1	5	7	3	1	.....	.....	.....	3	0.28	7.0
Saint Maur	N. 48 48	E. 2 21	0.17 p.m.	162	49	29.82	757.5	29.99	761.7	52.2	11.2	55.3	4	3	3	2	9	2	1	7	.....	.....	.....	5	0.68	43.6
Toulouse	N. 43 37	E. 1 27	0.14 p.m.	636	194	29.27	743.5	29.99	761.8	56.3	13.5	60.9	1	9	2	3	1	11	2	2	.....	.....	.....	5	0.77	17.3
Tours	N. 47 24	E. 0 41	0.11 p.m.	107	51	29.80	757.0	29.98	761.6	54.3	12.4	57.0	7	3	2	2	3	5	1	8	.....	.....	.....	.....	0.92	19.0
Versailles	N. 48 48	E. 2 07	0.16 p.m.	445	136	29.49	749.0	29.98	761.4	50.9	10.5	58.0	7	2	2	10	1	.....	5	4	.....	.....	.....	.....	0.74	23.3
Sub-Series.																												18.8
St. Martin du Hinx.	N. 43 35	W. 1 16	0.03 p.m.	131	40	29.82	757.5	29.97	761.3	58.5	14.7	56.0	4	3	4	5	2	4	7	2	.....	.....	.....	5	1.34	34.1
GERMAN.																												
Ansbach	N. 45 18	E. 10 36	0.50 p.m.	1358	414	28.56	725.3	30.02	762 6	47.1	8.4	55.6	2	4	5	3	2	6	2	5	2	.....	.....	5	0.94	24.0
Bamberg	N. 49 54	E. 10 54	0.51 p.m.	787	240	29.14	740.2	29.98	761.6	48.0	8.9	54.9	.....	8	4	1	1	7	1	5	4	.....	.....	6	1.16	29.4
Berlin	N. 52 30	E. 13 19	1.02 p.m.	131	40	29.87	758.8	30.02	762 5	46.8	8.2	64.9	1	.....	6	3	2	9	4	6	.....	.....	.....	7	1.11	28.3
Breslau	N. 51 07	E. 17 02	1.17 p.m.	482	147	29.53	750.1	30.06	763.5	44.2	6.8	65.4	.....	4	5	.....	2	8	8	3	1	.....	.....	7	1.82	46.3
Carlsruhe	N. 49 01	E. 8 25	0.42 p.m.	413	126	29.55	750.5	30.01	762.2	45.5	7.5	59.0	2	1	1	15	.....	1	5	5	1	.....	.....	7	2.44	61.9
Cassel	N. 51 19	E. 9 28	0.46 p.m.	669	204	29.27	743.4	29.98	761.5	55.0	12.8	65.1	2	4	2	5	7	5	3	3	.....	.....	.....	5	0.93	23.7
Frankfort on M	N. 50 08	E. 8 41	0.43 p.m.	338	103	29.63	752.5	30.00	762.1	51.1	10.6	59.0	5	1	2	7	4	1	8	3	.....	.....	.....	6	0.60	16.7
Friedrichshafen	N. 47 39	E. 9 29	0.46 p.m.	1339	408	28.57	725.7	30.00	762.1	47.1	8.4	71.4	3	2	3	15	3	3	.....	2	.....	.....	.....	6	1.56	39.6
Hamburg	N. 53 33	E. 9 58	0.48 p.m.	85	26	29.93	760.3	30.02	762.6	44.6	7.0	77.5	1	.....	5	2	2	8	4	1	.....	.....	.....	4	1.17	29.7
Kiel	N. 54 19	E. 10 04	0.48 p.m.	13	4	29.98	761.6	30.00	762.1	43.2	6.2	76.9	.....	1	4	4	1	2	6	9	4	.....	.....	8	1.17	34.6
Leipsic	N. 51 20	E. 12 24	0.58 p.m.	390	119	29.60	751.8	30.02	762.5	47.5	8.6	67.4	5	.....	4	4	5	5	5	3	.....	.....	.....	8	1.36	40.7
Magdeburg	N. 52 09	E. 11 37	0.54 p.m.	177	54	29.82	757.4	30.01	762.3	47.7	8.7	70.0	2	.....	5	2	2	6	7	7	.....	.....	.....	7	1.60	26.2
Memel	N. 55 43	E. 21 07	1.32 p.m.	39	12	30.15	765.9	30.20	767.1	37.6	3.1	78.6	2	4	2	4	8	4	4	7	.....	.....	.....	7	1.03	27.0
Munich	N. 48 09	E. 11 34	0.54 p.m.	1732	528	28.17	715.4	30.02	762 6	46.8	8.2	60.9	4	7	3	.....	.....	1	2	3	11	.....	.....	7	.....	.....
Neufahrwasser	N. 54 24	E. 18 40	1.25 p.m.	16	5	30.11	764.9	30.13	765.3	40.5	4.7	76.4	3	3	1	4	4	11	1	4	.....	.....	.....	6	1.05	15.4
Neustadt	N. 49 21	E. 8 08	0.41 p.m.	479	146	29.45	748.1	29.98	761.5	51.1	10.6	62.0	4	.....	7	3	5	1	1	6	4	.....	.....	8	0 61	16.1
Stuttgart	N. 48 47	E. 9 11	0.45 p.m.	833	254	29.04	737.5	29.95	760.6	50.9	10.5	56.7	12	.....	4	4	3	.....	1	7	.....	.....	.....	6	0.63	24.6
Wustrow	N. 54 21	E. 12 24	0.58 p.m.	23	7	30.00	762.1	30.02	762.6	41.7	5.4	82.1	.....	.....	1	5	1	10	5	8	1	.....	.....	6	0.97	22.1
GREEK.																								8	0.87	
Athens	N. 37 58	E. 23 44	1.43 p.m.	361	110	29.63	752.6	30.02	762 4	59.2	15.1	....	8	1	.....	3	14	1	1	3	.....	.....	.....	6	0.67	17.1
INDIAN.																												
Kurrachee	N. 24 47	E. 67 04	4.36 p.m.	49	15	29.83	757.6	29.88	758.9	79.7	26.5	65	.....	1	9	19	2	.....	.....	.....	.....	.....	.....	2	0.18	4.6
Deesa	N. 24 16	E. 72 14	4.57 p.m.	466	142	29.36	745.9	29.83	757.6	92.8	33.8	17	1	6	16	8	.....	.....	.....	.....	.....	.....	.....	1	0	0
Bombay	N. 18 54	E. 72 49	5.00 p.m.	37	11	29.82	757.3	29.85	758.3	81.7	27.6	69	1	25	4	1	.....	.....	.....	.....	.....	.....	.....	1	0	0
Poona	N. 18 28	E. 74 10	5.05 p.m.	1849	564	27.98	710.8	29.79	756.7	92.0	33.3	15	2b	7	6	5	2	1	4	2	.....	.....	.....	3	0.07	1.8
Belgaum	N. 15 52	E. 74 42	5.07 p.m.	2550	777	27 31	693.7	29.81	757.1	86.5	30.3	41	.....	1	10	12	1	1	4	2	.....	.....	.....	3	0.19	4.8
Lahore	N. 31 34	E. 74 20	5.05 p.m.	732	223	29.10	739.3	29.85	758.2	78.1	25.6	37	1	11	6	.....	.....	.....	4	2	7	.....	.....	3	0.16	4.1
Roorkee	N. 29 52	E. 77 56	5.20 p.m.	887	270	28.90	734.0	29.79	756.7	82.9	28.3	22	.....	2	16	.....	.....	1	3	.....	9	.....	.....	2	0.46	11.7
Agra	N. 27 10	E. 78 05	5.20 p.m.	555	169	29.26	743.2	29.82	757.3	89.1	31.7	19	.....	12	15	.....	2	.....	.....	1	1	.....	.....	2	0.14	3.6
Nagpur	N. 21 09	E. 79 11	5.24 p.m.	1025	312	28 75	730.3	29.77	756.1	94.1	34.5	19	1	3	2	1	1	1	1	2	19	.....	.....	2	0.14	2.8
Jubbulpore	N. 23 09	E. 79 59	5.28 p.m.	1341	409	28.48	723.5	29.82	757 3	89.1	31.7	22	4	8	4	1	.....	1	1	1	11	.....	.....	3	0.11	2.8
Lucknow	N. 26 50	E. 81 00	5.32 p.m.	369	113	29.43	747.5	29.80	757.0	87.9	31.1	24	1	6	14	5	.....	.....	.....	1	4	.....	.....	3	0.35	8.9
Allahabad	N. 25 26	E. 81 52	5.35 p.m.	307	94	29.48	748.9	29.79	756.7	89.6	32.0	23	5	15	2	.....	.....	.....	.....	3	6	.....	.....	2	0	0

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea.		Result of Simultaneous Observations for March, 1884.																			Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity	Wind.														
						Actual.		Reduced.					Directions.									Total Movement.					
				Feet.	Met'rs	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.		Inch.	Mill.
INDIAN—Cont'd.	o '	o '																									
Patna	N. 25 37	E. 85 08	5.49 p.m.	183	56	29.59	751.6	29.77	756.2	88.0	31.1	23	3	13	12	.....	.....	.....	.....	3	...	.....	.....	1	0	0
Hazaribagh	N. 24 00	E. 85 24	5.50 p.m.	2007	612	27.80	706.1	29.79	756.7	82.9	28.3	20	7	15	7	1	.....	.....	.....	1	...	.....	.....	1	0	0
Cuttack	N. 20 29	E. 85 54	5.52 p.m.	80	24	29.73	755.1	29.81	757.2	87.0	30.6	52	.....	1	1	10	3	5	10	1	.....	.....	.....	2	1.16	29.5
Calcutta	N. 22 33	E. 88 21	6.01 p.m.	21	6	29.77	756.2	29.79	756.7	85.1	29.5	48	2	4	4	5	12	3	.....	.....	1	.....	.....	1	0.06	1.5
Dhubri	N. 26 07	E. 89 50	6.08 p.m.	115	35	29.65	753.2	29.77	756.1	81.0	27.2	48	.....	.....	.....	.....	.....	1	1	1	2	26	.....	1	5.47	138.9
Chittagong	N. 22 21	E. 91 50	6.15 p.m.	87	26	29.78	756.3	29.87	758 6	78.6	25.9	78	1	.....	6	11	9	2	.....	.....	3	.....	.....	2	0.04	1.0
Sibsagar	N. 26 59	E. 94 40	6.27 p.m.	333	102	29.51	749.5	29.85	758.2	71.2	21.8	79	1	.....	.....	.....	.....	1	.....	29	.....	.....	.....	5	6.32	160.5
Jeypore	N. 26 55	E. 75 50	5.05 p.m.	1431	436	28 40	721.2	29.82	757.4	87.5	30.8	21	6	13	8	2	2	.....	.....	.....	.....	.....	.....	3	0.11	2.8
Zanzibar	S. 6 10	E. 39 11	2.45 p m.	23	7	29.82	757 4	29.84	758.0	86.0	30.0	63	2	4	1	3	.....	1	8	12	.....	.....	.....	3	0.08	2.0
Bellary	N. 15 09	E. 76 57	5.16 p.m.	1455	444	28.33	719.6	.....	.....	94.9	34.9	19.0	5	1	1	.....	3	6	14	1	.....	.....	.....	1	0	0
Trichinopoly	N. 10 50	E. 78 44	5.23 p.m.	275	84	29.59	751.6	.....	.....	93.7	34.3	34.6	2	.....	2	.....	.....	3	12	12	...	.....	.....	2	0	0
ITALIAN.																											
Udine	N. 46 04	E. 13 13	1.01 p.m.	381	116	29.60	751.7	30.01	762.2	54.5	12.5	49	1	.....	1	5	4	1	2	12	5	.....	.....	6	1.04	26.3
Milan	N. 45 28	E. 9 11	0.45 p.m.	482	147	29.49	749.0	30.01	762.2	55.2	12.9	58	2	2	4	0	1	8	3	5	.....	.....	.....	5	0.36	9.1
Padua	N. 45 24	E. 11 53	0.56 p.m.	102	31	29.89	759.1	30.00	762.0	54 0	12.2	56	3	3	....	4	2	6	6	1	.....	.....	.....	5	1.34	34.0
Moncalieri	N. 45 00	E. 7 41	0.39 p.m.	846	258	29.08	738.5	29.98	761.6	55.6	13.1	50	4	5	1	3	7	2	9	.....	.....	.....	.....	5	0.98	24.8
Genoa	N. 44 24	E. 8 55	0.44 p.m.	157?	48?	29.78	756.3	29.97	761.2	56.5	13 6	55	7	2	.....	9	7	3	1	1	1	.....	.....	5	1.12	28.5
Pesaro	N. 43 55	E. 12 53	1.00 p.m.	46	14	29.95	760.6	29.99	761.8	51.6	10.9	77	9	4	....	1	.....	2	6	9	.....	.....	.....	5	3.02	70.8
Florence	N. 43 46	E. 11 15	0.53 p.m.	240	73	29.71	754.5	29.96	761.0	57.2	14.0	49	4	.....	5	9	1	.....	4	7	1	.....	.....	4	0.89	22.6
Leghorn	N. 43 33	E. 10 18	0.49 p.m	79	24	29.84	757.8	29.92	760.0	57.2	14.0	59	1	...	0	7	6	.....	4	7	.....	.....	.....	4	1.18	30.1
Rome	N. 41 54	E. 12 29	0.58 p.m.	164	50	29.77	756.2	29.95	760 7	59.5	15.3	50	5	2	8	8	4	1	1	.....	2	.....	.....	6	1.62	41.2
Lecce	N. 40 22	E. 18 12	1.21 p.m.	236	72	29.71	754.7	29.97	761 3	58.3	11.8	59	8	.....	1	1	5	5	2	9	.....	.....	.....	5	3.26	82.9
Cosenza	N. 39 19	E. 16 17	1.13 p.m.	840	256	29.08	738.5	29.97	761.3	56.7	13.7	76	1	3	8	10	5	2	1	1	.....	.....	.....	5	1.98	50.4
Palermo	N. 38 07	E. 13 21	1.02 p.m.	236	72	29.71	754.7	29.97	761.1	58.5	14.7	63	1	5	3	1	1	...	4	16	.....	.....	.....	6	1.54	39.1
Syracuse	N. 37 03	E. 15 15	1.09 p.m.	72	22	29.90	759.5	29.95	760.6	61.7	16.5	67	2	2	3	1	4	2	11	6	.....	.....	.....	8	3.97	100.9
Sub-Series.																											
Naples	N. 40 52	E. 14 15	1.05 p.m.	489	149	29.44	747 8	.....	.....	57.4	14.1	62.7	4	.....	....	14	5	3	2	3	.....	.....	.....	6	2.53	64.3
Stelvio	N. 46 32	E. 10 25	0.50 p.m.	8343	2543	22.00	568.8	.....	.....	26.2	—3.2	78.4	.....	.....	6	11	1	6	3	4	.....	.....	.....	4	0.59	14.9
Valdobbia	N. 45 47	E. 7 51	0.40 p.m.	8360	2548	22.10	561.3	.....	.....	27.3	—2.6	71.5	3	6	10	4	.....	2	5	1	.....	.....	.....	0	13.03	331.0
JAPANESE.																											
Akita	N. 39 42	E.140 07	9.28 p.m.	32	10	29.98	761 4	30.01	762.3	32.3	0.2	84.5	4	11	4	....	1	1	1	.....	9	.....	.....	8	3.53	89.7
Awomori	N. 40 51	E.140 45	9.31 p.m.	32	10	29.94	760.4	29.97	761.3	29.5	—1.4	81.8	....	3	9	6	6	1	4	1	1	7903	12717	7	2.65	67.2
Hakodate	N. 41 47	E.140 44	9.31 p.m.	10	3	29.96	760.9	29.97	761.2	29.4	—1.4	80.6	15	2	5	.....	.....	.....	5	.....	4	8595	13687	0	2.14	54.3
Hamamatsu	N. 34 43	E.137 43	9.19 p.m.	92	28	29.91	759.7	30.01	762.2	43.9	6.6	75.5	1	1	13	.....	.....	.....	6	1	9	.....	.....	4	7.47	189.7
Hiroshima	N. 34 23	E.132 27	8.58 p m.	14	4	30.05	763.2	30.06	763.5	43.4	6.3	81.3	24	1	1	1	.....	1	2	1	.....	4030	6484	5	0.12	155.4
Kagoshima	N. 31 35	E.130 33	8.50 p.m.	14	4	30.04	763.0	30.05	763.3	50.8	10.4	82.3	8	8	2	1	.....	4	4	4	.....	.....	.....	7	5.60	142.2
Kanazawa	N. 36 33	E.136 40	9.14 p.m.	95	29	29.96	761.0	30.07	763 7	38.1	3.4	82.2	4	4	.....	3	1	3	11	5	.....	4684	7537	0	7.17	182.2
Kioto	N. 35 01	E.135 46	9.11 p.m.	102	49	29.88	759 0	30.06	763.4	41.0	5.0	78.9	12	5	2	1	.....	1	1	6	3	2970	4780	5	0.91	175.2
Kochi	N. 33 33	E.133 34	9.02 p.m.	20	6	30.02	762.4	30.01	762.9	49.5	9.6	76.2	6	5	9	2	2	1	4	2	.....	5715	9198	6	7.39	187.8
Minaska	N. 31 56	E.131 26	8.54 p.m.	26	8	30.01	762.4	30.04	763.1	50.3	10 1	82.0	11	4	10	1	.....	2	3	.....	.....	.....	.....	6	6.24	158.6
Miyako	N. 39 38	E.141 59	9.36 p.m.	98	30	29.87	758.6	29.98	761.4	32.2	0.1	71.8	1	1	16	4	1	.....	2	1	5	3123	5127	5	4.41	111.9
Nagasaki	N. 32 44	E.129 52	8.47 p.m.	189	58	29.86	758.4	30.07	763.7	40.7	8.2	81.3	7	2	2	1	.....	.....	.....	6	13	3908	6289	5	8.20	208.4
Nemuro	N. 43 20	E.145 35	9.50 p.m.	43	13	29.85	758.3	29.90	759.6	24.6	—4.1	67.7	1	8	.....	1	4	2	2	2	11	5191	8354	5	1.12	28.3
Nigata	N. 37 55	E.139 03	9.24 p.m.	32	10	30.00	762.0	30.04	763.0	37.4	3.0	80.2	4	3	10	2	.....	4	3	2	3	5719	8770	7	4.30	108.9
Nobiru	N. 38 23	E.141 11	9.32 p.m.	15	5	29.98	761.4	29.99	761.8	35.1	1.7	79.1	16	7	.....	.....	5	.....	.....	2	1	10534	17004	5	2.04	51.8
Numadzu	N. 35 06	E.138 51	9.23 p.m.	32	10	29.95	760.6	29 98	761.5	45.0	7.2	75.7	1	.....	2	7	3	1	14	3	...	.....	.....	1	8.90	226.1
Osaka	N. 34 42	E.135 30	9.10 p.m.	13	4	30.04	763.0	30.06	763.4	42.5	5.8	80.1	4	2	3	1	1	2	6	12	.....	7145	11498	5	5.62	142.6
Sakai	N. 35 01	E.133 13	9.01 p.m.	10	3	30.05	763.4	30.06	763.4	42.9	6.1	79.0	9	1	6	1	2	.....	7	4	1	.....	.....	7	8.58	217.9
Sapporo	N. 43 04	E.141 23	9.33 p.m.	60	18	29.86	758.5	29.93	760.2	24.4	—4.2	81.3	3	8	1	3	4	3	.....	1	8	6891	11090	6	2.49	63.1
Shimonoseki	N. 33 58	E.130 50	8.52 p.m.	134	41	29.92	759.9	30.06	763.6	45.1	7.3	78.9	6	3	8	2	1	.....	7	4	.....	.....	.....	6	6.33	160.9
Tokei	N. 35 41	E 139 46	9.27 p.m.	69	21	29.92	760.0	30.00	762.0	42.1	5.6	75.2	15	.....	1	3	7	2	2	1	.....	6585	10596	6	5.98	151.6
Wakayama	N. 34 14	E.135 09	9.09 p.m.	48	15	29.99	761.7	30.04	763.1	44.7	7.1	75.5	4	2	.....	.....	1	1	.....	11	12	3195	5141	5	4.09	103.7
MAURITIUS.																											
Mauritius	S. 20 06	E. 57 33	3.58 p.m.	181	55	29.72	754.9	29.92	759.9	80.2	26.8	72.7	1	5	1	.....	1	3	14	6	.....	.....	.....	7	6.75	171.4
MEXICAN.																											
Leon	N. 21 07	W.101 35	5.22 a.m.	5901	1799	24.32	617.7	30.08	763.9	51.9	11.2	69.0	5	20	2	1	.....	.....	.....	.....	3	.....	.....	3	inap.	inap.
Mazatlan	N. 23 11	W.106 17	5.03 a.m.	249	76	29.09	754.2	29.96	760.9	65.3	18.5	80.7	8	10	.....	.....	1	.....	5	7	...	.....	.....	4	0	0
NETHERLANDS.																											
Flushing	N. 51 24	E. 3 35	0.22 p.m.	0	0	29.98	761.4	29.98	761.4	48.4	9.1	.....	2	5	2	6	7	3	4	2	.....	.....	.....	.....	0.89	22.6
Groningen	N. 53 12	E. 6 34	0.34 p.m.	?	?	29.92	760.0	29.98	761.4	45.5	7.5	.....	4	2	2	2	2	6	6	7	.....	.....	.....	.....	0.86	21.9
Helder	N. 52 58	E. 4 45	0.27 p.m.	0	0	29.96	761.0	29.96	761.0	44.2	6.8	.....	1	2	1	4	4	6	6	7	.....	.....	.....	.....	0.95	24.1
Hellevoetsluis	N. 51 49	E. 4 08	0.25 p.m.	0	0	29.96	761.0	29.96	761.0	48.6	9.2	70.8	2	1	4	5	4	4	5	4	2	.....	.....	.....	0.97	24.7
Utrecht	N. 52 05	E. 5 07	0.29 p.m.	43	13	29.94	760.1	29.98	761.6	48.7	9.3	67.6	1	3	4	4	4	9	1	5	.....	.....	.....	0	1.15	29.2
Sub-Series.																											
Batavia	S. 6 11	E.106 48	7.15 p.m.	?	?	29.85	758 3	.....	.....	77.7	25.4	86.8	6	11	7	3	3	.....	.....	1	.....	.....	.....	8	6.53	165.8
NORWEGIAN.																											
Bergen	N. 60 24	E. 5 20	0.29 p.m.	56	17	29.87	758.7	29.93	760.3	42.8	6.0	62.9	2	4	.....	3	12	4	3	6	3	.....	.....	5	4.55	115.6
Brono	N. 65 28	E. 12 14	0.57 p.m.	34	10	29.92	759.9	29.96	760 9	39.9	4.4	63.3	2	1	.....	2	9	8	6	.....	3	.....	.....	5	2.04	51.7
Christiania	N. 59 55	E. 10 45	0.51 p.m.	134	41	29.91	759.8	30.00	763.6	37.2	2.9	73.0	.....	1	1	7	4	3	9	6	.....	.....	.....	7	1.50	38.1
Gjæsvær	N. 71 07	E. 25 22	1.49 p.m.	23	7	29.87	758.7	29.89	759 3	34.9	1.6	.....	1	.....	3	8	4	3	1	4	7	.....	.....	7	2.01	66.3
Lodingen	N. 68 24	E. 16 01	1.12 p.m.	43	13	29.90	759.5	29.95	760.7	35.8	2.1	70.2	1	.....	3	6	2	2	1	7	9	.....	.....	4	3.68	93.4
PORTUGUESE.																											
Funchal	N. 32 38	W. 16 55	11.00 a.m.	82	25	29.99	761.7	30.08	763.9	62.2	16.8	60.0	2	4	3	14	1	2	2	....	3	.....	.....	6	3.35	85.2
Lisbon	N. 38 42	W. 9 08	11.31 a.m.	312	95	29.60	751.9	29.94	760.4	57.2	14.0	65.0	10	3	1	1	5	4	1	6	.....	.....	.....	5	5.80	148.9
Ponta Delgada	N. 37 45	W. 25 41	10.25 a.m.	66	20	30.10	764.4	30.17	766.2	60.4	15.8	67.2	7	7	0	3	1	4	.....	3	.....	.....	.....	4	3.18	80.8
Saint Vincent	N. 16 37	W. 25 02	10.28 a.m.	34	10	30.00	762.1	30.04	763.0	68.7	20.4	67.0	1	.....	.....	2	.....	.....	7	21	.....	.....	.....	5	0	0
San Salvador	S. 6 17	E 14 53	1.07 p.m.	1834	559	28.00	711.2	29.81	757.1	83.8	28.8	63.0	1	4	9	11	3	.....	1	.....	2	.....	.....	6	4.75	120.6
Serra da Estrella	N. 40 25	W. 7 35	11.37 a.m.	4728	1441	25.14	638.6	29.94	760.4	39.9	4.4	77.5	1	8	5	2	2	2	11	.....	.....	.....	.....	7	12.15	308.6
RUSSIAN																											
Akmolinski	N. 51 12	E. 71 23	4.54 p.m.	843?	306?	29.09	738.8	30.28	769.1	6.4	—14.2	87.7	2	1	6	4	2	3	4	7	2	.....	.....	4	0.06	1.5
Archangel	N. 64 33	E. 40 32	2.50 p.m.	16	5	30.09	764.2	30.11	764.7	25.2	—3.8	80.1	1	4	8	4	8	2	2	2	.....	.....	.....	7	0.29	7.4
Ashuruda	N. 56 54	E. 58 55	3.44 p m.	79	24	30.17	765.4	30.08	764 0	53.6	12.0	70.0	11	12	5	.....	.....	1	.....	2	.....	.....	.....	4	0.04	1.0
Astrakhan	N. 46 21	E. 48 02	3.20 p.m.	68	21	30.30	769.0	30.22	767.6	37.2	2.9	48.2	1	2	1	.....	7	4	.....	2	4	.....	.....	5	1.01	25.6
Baku	N. 40 21	E. 49 51	3.28 p.m.	39	12	30.17	766.3	30.12	765.1	46.0	7.8	73.3	11	2	1	.....	7	4	.....	2	4	.....	.....	5	1.40	35.5
Barnaul	N. 53 20	E. 83 47	5.43 p.m.	459?	140?	29.78	756.4	30.33	770.4	9.0	—12.8	72.0	2	3	1	14	3	1	2	2	14	.....	.....	6	0.50	12.6
Bielosersk	N. 60 02	E. 37 47	2.39 p.m.	430?	131?	29.79	757.7	30.29	769.3	27.1	—2.7	65.1	2	1	2	4	3	1	2	14	.....	.....	.....	5	0.53	13.5
Dorpat	N. 58 23	E. 26 43	1.55 p.m.	223	68	29.98	761.5	30.24	768.0	30.6	—0.8	70.2	2	1	1	3	4	4	10	4	2	.....	.....	6	0.13	3.2
Ekaterinburg	N. 56 49	E. 60 38	4.10 p.m.	894?	272?	29.21	742.0	30.24	768.1	23.0	—5.0	58.0	.....	3	10	7	4	7	.....	.....	.....	.....	.....	9	0.65	16.5
Elissawetgrad	N. 48 31	E. 32 17	2.17 p.m.	417?	127?	29.69	754.2	30.16	769.1	34.3	1.3	76.3	3	4	2	.....	1	7	6	7	1	.....	.....	6	0.14	3.6
Kasan	N. 55 47	E. 49 08	3.24 p.m.	249	76	30.05	763 4	30.35	770.8	22.3	—5.4	70.4	2	1	4	8	6	4	2	3	1	.....	.....	7	0.28	7.1
Kem	N. 64 57	E. 34 39	2.26 p.m.	43	13	30.10	764.5	30.15	765.8	27.7	—2.4	73.8	1	1	8	7	5	1	.....	5	3	.....	.....	8	0.78	19.9
Kertch	N. 45 21	E. 36 29	2.34 p.m.	18?	6?	30.03	762.7	30.05	763.3	39.2	4.0	77.9	5	2	.....	.....	2	5	3	9	5	.....	.....	8	2.43	61.8
Kieff	N. 50 27	E. 30 30	2.10 p.m.	600	183	29.47	748 5	30.14	765.5	31.3	—0.4	77.1	5	3	1	1	1	9	5	6	.....	.....	.....	8	2.43	61.8
Kos'ov	N. 52 53	E. 40 31	2.50 p.m.	466?	142?	29.74	755.3	30.28	769.1	22.1	—5.5	70.4	2	.....	1	2	2	5	7	7	5	.....	.....	6	0.21	5.3
Lgov	N. 51 41	E. 35 17	2.29 p m.	535?	163?	29.65	753.0	30.27	768.9	25.5	—3.6	73.6	2	1	1	.....	1	6	12	5	3	.....	.....	7	0.97	24.7
Libau	N. 56 31	E. 21 01	1.32 p.m.	20	6	30.14	765.6	30.17	766 2	37.2	2.9	71.4	.....	2	1	3	5	7	10	2	1	.....	.....	7	0.40	11.8
Lugan	N. 48 35	E. 39 20	2.45 p.m.	188?	57?	29.93	760.1	30.14	765.5	28.2	—2.1	70.6	1	...	2	3	.....	2	13	10	.....	.....	.....	8	0.55	14.0
Moscow	N. 55 46	E. 37 40	2.39 p.m.	448	136	29.80	756 8	30.31	769.8	27.0	—2.8	68.1	2	1	2	.....	6	1	4	1	14	.....	.....	4	0.20	0.7
Nertchinsk	N. 51 19	E.119 37	8.07 p.m.	?	?	27.80	706.0	30.31	769.8	6.6	—14.1	56.9	1	7	1	..	.....	.....	.....	.....	22	.....	.....	2	0.24	6.2
Nikolaiev	N. 46 58	E. 31 58	2.16 p.m.	62	19	30.04	763.0	30.11	764.8	40.3	4.6	73.2	5	2	1	1	6	2	4	7	3	.....	.....	8	0.37	9.3
Nikolaievsk	N. 53 08	E.140 45	9.31 p.m.	59	18	29.95	760.7	30.04	762.9	4.1	—15.5	70.3	.....	3	6	1	.....	1	4	.....	14	.....	.....	3	.....	.....
Pekin	N. 39 57	E.116 28	7.54 p.m.	123?	38?	30.02	762.0	30.17	766.2	38.7	3.7	56.5	2	4	.....	9	1	2	.....	.....	13	.....	.....	3	0.54	13.6
Petro-Alexandrovsk	N. 41 28	E. 61 05	4.12 p.m.	328	100	29.82	757.5	30.19	766.7	45.5	7.5	39.6	8	1	3	.....	2	1	.....	14	2	.....	.....	5	.....	.....
Petrozavodsk	N. 61 47	E. 34 23	2.26 p.m.	180?	55?	30.02	762.4	30.22	767.7	26.6	—3.0	69.5	1	5	4	3	3	9	1	2	3	.....	.....	6	1.08	27.5

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea.		Result of Simultaneous Observations for March, 1884.																		Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity.	Wind.													
						Actual.		Reduced.					Directions.									Total Movement.				
				Feet.	Met'rs	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.	0-10	Inch.	Mill.
RUSSIAN —Cont'd	° ′	° ′																								
Pinsk	N. 52 07	E. 26 06	1.52 p.m.	459?	140?	29.65	753.1	30.17	766.2	34.7	1.5	79.9	4	2	2	1	2	5	9	5	1	.....	.....	8	1.54	39 2
Poti	N. 42 09	E. 41 37	2.54 p.m.	466?	142?	30.00	761.9	30.03	762.7	51.3	10.7	50.0	.....	2	2	14	6	1	3	.....	3	.....	.....	7	3.47	88.1
St. Petersburg	N. 59 56	E. 30 16	2.09 p.m.	20	6	30.24	768.1	30.26	768.7	27.3	—2.6	69.8	2	3	3	4	8	3	1	7	.....	.....	.....	6	0.16	4.2
Samarkand	N. 39 39	E. 66 57	4.36 p.m.	2379?	725?	27.58	600.5	30.07	763.7	50.0	10.0	63.3	....	5	3	1	1	6	3	.....	12	.....	.....	6	.....	.....
Semipalatinsk	N. 50 24	E. 80 13	5.29 p.m.	607?	185?	29.67	753.5	30.40	772.1	7.5	-13.6	80.8	.	1	4	1	2	2	2	.....	19	.....	.....	6	0.30	7.6
Sevastopol	N. 44 37	E 33 31	2.22 p.m.	138?	42?	29.82	757.4	30.04	762 9	46.8	8.2	61.7	14	1	3	1	3	2	.....	7	...	.....	.....	6	0.45	11.5
Staroi Bykhov	N. 53 31	E. 30 16	2.09 p.m.	423?	129?	29.63	752.5	30.21	767.4	31.6	—0.2	66.5	1	1	.....	2	1	7	9	10	.....	.....	.....	8	1 04	26.5
Tashkend	N. 41 20	E. 69 18	4.45 p.m.	1607?	490?	28.44	722.3	30.14	765.5	47.5	8.6	63.1	....	5	3	.....	.....	.....	.....	1	22	.....	.....	7	.....	.....
Tiflis	N. 41 43	E. 44 47	3.07 p.m.	1313	409	28.65	727.8	30.10	764 4	48.0	8.9	56.7	2	4	.....	1	6	12	3	1	2	.....	.....	7	1.34	34.0
Vernoe	N. 43 16	E. 76 53	5.16 p.m.	2401?	732?	27.55	699.7	30.16	766.1	31.6	—0.2	68.7	1	1	3	2	....	.....	.....	2	22	.....	.....	6	.....	.....
Viatka *b*	N. 58 36	E. 49 41	3.27 p.m.	581?	177?	29.61	752.0	30.28	769.0	24.3	—4.3	61.4	1	.....	12	2	6	2	.....	.....	6	.....	.....	5	0.34	8.5
Vladivostock	N. 43 09	E.132 00	8.56 p.m.	59?	18?	29.99	761.8	30.06	763.5	22.1	—5.5	68.2	11	2	1	.....	1	3	5	7	1	.....	.....	3	0.63	16.0
Warsaw	N. 52 13	E. 21 02	1.32 p.m.	392	119	29.67	753.7	30.11	764.7	40.6	4.8	68.2	1	2	3	3	2	11	6	3	...	.....	.....	7	.....	.....
Yeniseisk	N. 58 27	E. 92 06	6.16 p.m.	262?	80?	29.96	761.0	30.28	769.0	10.8	-11.8	64.3	1	2	8	6	....	1	.....	1	12	.....	.....	3	0.05	1.2
Sub-Series.																										
Petrowsky Ac'y	N. 55 50	E. 37 38	2.39 p.m.	508	155	29.65	753.1	30.19	766.8	29.3	—1.5	59.6	2	2	6	2	6	6	2	5	*	.....	.....	6	0.29	7.4
SPANISH.																										
Barcelona	N. 41 23	E. 2 15	0.16 p.m.	98	30	29.78	756.3	29.88	758.9	55.9	13.3	75	....	....	1	9	3	6	5	7	.....	.....	.....	6	2.58	65.5
Bilbao	N. 43 15	W. 2 59	11.56 a.m.	52	16	29.90	759.5	29.36	761.0	59.7	15.4	64	....	7	1	2	7	8	.....	2	4	1915	3082	6	3.75	95.2
Burgos	N. 42 20	W. 3 46	11.53 a.m.	2821	860	26.98	685.4	30.06	763.6	48.7	9.3	65	4	.	1	6	1	3	10	6	.....	6007	9667	6	2.99	76.0
Madrid	N. 40 25	W. 3 42	11.53 a.m.	2152	656	27.71	703.8	29.94	760.4	56.1	13.4	58	1	2	2	7	3	7	2	7	.....	6782	10914	6	1 03	26.2
Murcia	N. 37 59	W. 1 10	0.03 p.m.	141	43	29.81	757.2	29.94	760.4	56.5	13.6	72.0	.....	5	1	1	5	2	9	8	.....	1826	2930	7	1.77	44.9
Santiago	N. 42 53	W. 8 28	11.34 a.m.	863	263	28.98	736.2	29.88	759.0	55.9	13.3	67.6	4	2	2	3	8	1	...	8	3	7580	12198	7	4.19	106.3
Sub-Series.																										
Havana	N. 23 08	W.82 28	7.39 a.m.	62	19	30.04	763.1	30.11	764.8	69.5	20.8	86.0	2	1	.....	.....	.....	12	14	1	1	.....	.....	2	2.15	54.6
Manilla	N. 14 35	E.120 56	8.12 p.m.	54	16	29.90	759.4	29.96	761.0	79.6	26.4	68.7	.....	.....	.....	.....	1	3	18	8	1	.....	.....	2	0.21	5.5
San Fernando	N. 36 28	W. 6 13	11.43 a.m.	95	29	29.86	758.4	29.96	760.9	60.7	15.9	68.2	2	3	8	2	3	1	9	2	1	.....	.....	6	3.64	92.5
San Juan de Porto Rico	N. 18 30	W.66 10	7.44 a.m.	82	25	30.01	762.3	30.10	764.6	74.1	23.4	79.0	.....	...	.....	....	3	8	4	.....	16	.....	.....	6	1.39	35.4
SWEDISH.																										
Haparanda	N. 65 47	E. 24 03	1.44 p.m.	29	9	30.11	764.8	30.15	765.8	27.1	—2.7	90	7	1	1	4	7	2	.....	1	8	.....	.....	6	1.10	27.9
Umea	N. 63 50	E. 20 17	1.29 p.m.	39	12	30.10	764.5	30.15	765.8	32.9	0.5	83	1	3	3	13	2	1	2	6	.....	.....	.....	6	1.22	31.0
Hernosand	N. 62 32	E. 17 57	1.20 p.m.	46	14	30.06	763.6	30.11	764 9	34.9	1.6	76	1	1	2	4	7	2	3	2	9	.....	.....	7	0.80	20.3
Stockholm	N. 59 20	E. 18 04	1.20 p.m.	144	44	29.97	761.1	30.14	765.6	37.6	3.1	72	3	.....	4	2	4	6	5	6	1	.....	.....	7	0.91	23.0
Wisby	N. 57 39	E. 18 19	1.21 p.m.	52	16	30.04	762.9	30.10	764 4	37.9	3.3	77	.....	.....	4	4	1	7	7	6	2	.....	.....	5	1.10	28.0
Sub-Series.																										
Upsala	N. 59 51	E. 17 37	1.19 p.m.	79	24	30.08	763.9	30.12	765.1	36.9	2.7	76.1	5	1	1	2	6	5	6	5	.....	.....	.....	7	1.46	37.1
Swiss.																										
Geneva	N. 46 12	E. 6 08	0.33 p m.	1338	408	28.55	725.1	29.99	761.8	50.0	10.0	54 0	23	1	.....	2	4	.....	1	.....	.....	.....	.....	4	0.02	0.5
TURKISH.																										
Constantinople	N 41 00	E. 28 59	2.04 p.m.	230	70	.....	.....	30.06	763.4	50.7	10.4	66.0	13	.....	...	7	4	2	....	5	....	.....	.....	8	1.47	37.3
Valona	N. 40 27	E. 19 27	1.26 p.m.	105	32	.....	.....	30.05	763.3	60.6	15.9	.....	....	10	4	5	5	4	.....	3	.....	.....	.....	6	4.41	112.0
Sub-Series.																										
Beirut	N. 33 54	E. 35 28	2.30 p.m.	111	34	.....	.....	29.96	760.9	63.0	17.2	67.4	3	7	....	17	.....	.....	.....	4	.....	.....	.....	6	3.65	92.7
UNITED STATES.																										
Albany	N. 42 39	W. 73 45	7.13 a.m.	75	23	29.97	761.2	30.06	763.5	32.4	0.2	70.6	8	5	7	2	6	....	.....	3	....	4586	7380	7	4.00	101.6
Alpena	N. 45 05	W. 83 30	6.34 a.m.	609	185	29.36	745.7	30.06	763.5	17.7	—7.9	78.9	3	12	6	2	1	3	2	1	1	6460	10396	5	1.61	40.9
Apache, Fort	N. 33 48	W.109 57	4.48 a.m.	5050	1539	24.93	633.2	29.95	760 7	33.8	1.0	82.4	1	1	2	4	.....	7	10	6	.....	5336	8588	5	4.44	112.8
Assinaboine, Ft	N. 48 32	W.109 42	4.49 a.m.	2710	826	27.08	687.8	30.10	764.5	16.5	—8.6	84.7	1	3	8	8	.. ..	.....	3	.....	8	6143	9886	4	0.53	13.5
Atlanta	N. 33 45	W. 84 23	6.31 a.m.	1129	344	28.89	733.8	30.10	764.5	48.9	9.4	75.2	3	6	6	6	2	6	1	1	.....	8544	13750	6	9.70	246.4
Atlantic City	N. 39 22	W. 74 25	7.10 a.m.	13	4	30.02	762.5	30.03	762 7	36.3	2.4	82.7	9	5	5	3	3	2	1	1	1	6419	10330	6	5.79	147.1
Augusta	N. 33 28	W. 81 54	6.40 a.m.	183	56	29.93	760.2	30.13	765.3	53.2	11.8	77.2	2	2	3	3	3	3	2	1	12	3341	5377	6	6.97	177.0
Baltimore	N. 39 18	W. 76 37	7.02 a.m.	45	14	30.03	762.7	30.08	764.0	40.5	4.7	74.7	7	8	2	1	1	3	3	5	1	4615	7427	7	6.37	161.8
Barnegat City	N. 39 46	W. 74 06	7.12 a.m.	22	7	30.02	762.5	30.04	763.0	36.3	2.4	82.4	5	7	2	4	2	1	3	7	.....	11876	19112	6	2.38	60.5
Bennett, Fort	N. 44 43	W.100 39	5.26 a.m.	1510	457	28.41	721.6	30.11	764.8	20.6	—6.3	83.4	1	11	.....	.....	.....	3	....	6	10	.....	.....	5	1.08	27.4
Benton, Fort	N. 47 50	W.110 40	4.45 a.m.	2700	823	27.12	688.8	30.10	764.5	28.2	—2.1	77.7	2	1	..	4	.....	.....	.....	4	20	3058	4921	6	.....	.....
Bismarck	N. 46 47	W.100 38	5.26 a.m.	1694	516	28.16	715.3	30.08	764 0	13.2	-10.4	82.0	5	7	1	.	.....	2	6	2	8	5269	8480	4	0.60	15.2
Block Id	N. 41 10	W. 71 36	7.22 a.m.	27	8	29.99	761.7	30.02	762.5	33.3	0.7	81.1	4	8	3	3	2	2	.....	6	3	11733	18882	6	6.40	162.6
Boise City	N. 43 37	W.116 08	4.24 a.m.	2750	838	27.07	687.6	29.99	761.7	37.9	3.3	79.8	2	7	4	2	2	6	2	2	4	4370	7033	6	2.78	70.6
Boston	N. 42 21	W. 71 04	7.24 a.m.	142	43	29.85	758.2	30.01	762.2	29.4	—1.4	80.0	4	8	8	4	....	2	....	5	.....	8754	14088	8	4.86	123.4
Brownsville	N. 25 53	W. 97 26	5.38 a.m.	57	17	29.91	759.7	29.97	761.2	64.2	17.9	93.2	5	3	1	2	9	4	1	4	2	8166	13142	7	0.07	1.8
Buffalo	N. 42 53	W. 78 53	6.52 a.m.	690	210	29.26	743.2	30.04	763.0	27.1	—2.7	80.0	5	3	2	9	4	2	1	5	.....	8009	12889	6	2.84	72.1
Buford, Fort	N. 48 00	W.103 56	5.12 a.m.	1930	588	27.93	709.4	30.09	764.3	12.2	-11.0	87.2	3	5	5	4	1	1	4	8	.....	6282	10110	5	0.10	2.5
Cairo	N. 37 00	W. 89 10	6.11 a.m.	377	115	29.67	753.6	30.09	764.3	42.9	6.1	75.9	6	5	.....	3	8	4	1	4	.....	7583	12202	7	4.2	106.7
Canby, Fort	N. 46 16	W.124 04	3.52 a.m.	179	54	29.73	755.1	29.93	760.2	41.3	5.2	81.1	3	.....	5	1	6	3	10	2	1	5710	9189	4	2.18	55.4
Cape Henry	N. 36 56	W. 76 00	7.04 a.m.	16	5	30.05	763.3	30.07	763.8	44.7	7.1	84.8	3	7	4	5	4	5	.....	3	.....	10078	16218	5	7.65	194.3
Cape May	N. 38 56	W. 74 58	7.08 a.m.	27	8	30.02	762.5	30.05	763.3	37.9	3.3	84.6	2	10	4	1	2	4	1	7	.....	12690	20422	5	5.61	142.5
Cape Mendocino	N. 40 26	W.124 24	3.50 a.m.	637	194	29.26	743.2	29.95	760 7	43.9	6.6	85.1	1	13	.....	.....	.....	11	1	2	3	.....	.....	7	3.52	89.4
Cedar Keys	N. 29 08	W. 83 02	6.36 a.m.	22	7	30.11	764.8	30.13	765.3	62.3	16.8	83.9	3	5	2	2	6	6	3	4	.....	8620	12907	4	2.21	56.1
Charleston *a*	N. 32 47	W. 79 56	6.48 a.m.	52	16	30.02	762.5	30.08	764.0	55.3	12.9	83.2	2	3	4	11	.....	1	2	6	1	6539	10523	5	4.39	111.5
Charlotte	N. 35 13	W. 80 51	6.44 a.m.	808	246	29.20	741.7	30.08	764.0	48.0	8.9	79.1	1	7	2	3	8	2	1	6	1	5115	8232	4	9.19	233.4
Chattanooga	N. 35 04	W. 85 15	6.27 a.m.	783	239	29.24	742.7	30.09	764.3	46.9	8.3	76.1	2	8	2	2	7	1	3	6	.....	5766	9279	7	10.19	258.9
Cheyenne	N. 41 08	W.104 48	5.09 a.m.	6105	1861	23.82	605.0	30.02	762.5	25.3	-3.7	68.3	5	11	5	2	2	3	1	2	.....	9974	16051	2	1.59	40.4
Chicago	N. 41 52	W. 87 38	6.18 a.m.	661	201	29.31	744.5	30.05	763.3	30.5	—0.8	72.5	5	6	6	2	3	2	4	2	1	6168	9926	7	5.10	131.7
Chincoteague	N. 37 55	W. 75 23	7.06 a.m.	18	5	30.03	762.7	30.05	763.3	40.0	4.4	85.6	2	12	1	.....	6	3	.....	7	....	9221	14840	4	7.81	198.4
Cincinnati	N. 39 06	W. 84 30	5.30 a.m.	620	189	29.38	746.2	30.08	764.0	40.6	4.8	78.3	..	7	2	.....	3	5	7	5	1	4682	7535	7	2.63	66.8
Cleveland	N. 41 30	W. 81 42	6.41 a.m.	690	210	29.28	743.7	30.06	763.5	30.7	—0.7	82.3	5	3	5	5	4	3	2	4	.....	7066	11375	7	1.87	47.5
Columbus	N. 39 58	W. 83 00	6.36 a.m.	805	245	29.16	740.7	30.06	763.5	34.8	1 6	74.3	2	4	0	7	1	3	2	0	.....	6151	9899	8	3.59	91.2
Concho, Fort	N. 31 25	W.100 24	5.26 a.m.	1900	579	28.09	713.5	30.06	763.5	45.7	7.6	78.5	...	3	5	1	12	..	2	6	2	8658	13934	5	0.76	19.3
Custer, Fort	N. 45 42	W.107 34	4.58 a.m.	3040	926	26.74	679.2	30.07	763.8	19.1	—7.2	82.4	5	1	5	1	.....	10	5	4	.....	4702	7567	5	1.02	25.9
Davenport	N. 41 30	W. 90 38	6.06 a.m.	615	187	29.34	745.2	30.03	762.7	30.9	—0.6	69.8	1	4	4	3	.....	7	2	10	.....	7184	11561	6	3.27	83.3
Davis, Fort	N. 30 38	W.103 56	5.12 a.m.	4928	1502	25.12	638.0	29.99	761.7	42.5	5.8	77.2	..	..	.....	.....	21	2	.....	.....	2	6	7064	11368	4	0.28	7.1
Dayton	N. 46 19	W.117 56	4.16 a.m.	1667	508	28.18	715.8	30.00	762.0	33.5	0.8	82.6	2	..	2	8	3	5	3	7	1	4591	7388	6	1.79	45.5
Deadwood	N. 44 23	W.103 43	5.13 a.m.	4600	1402	25.23	640.8	30.07	763.8	22.8	—5.1	81.8	.....	4	4	3	2	2	7	0	3	3316	5336	5	2.61	66.3
Del. Breakwater	N. 38 48	W. 75 10	7.07 a.m.	20	6	30.04	763.0	30.06	763.5	37.8	3.2	87.5	6	8	2	2	4	2	1	6	.....	12976	20882	6	6.71	170.4
Denver	N. 39 45	W.105 00	5.08 a.m.	5294	1614	24.57	624.3	30.01	762.2	32.7	0.4	68.3	3	6	4	2	8	....	.....	....	8	5732	9225	4	0.93	23.6
Des Moines	N. 41 35	W. 93 37	5.54 a.m.	849	259	29.08	738.6	30.04	763.0	29.5	—1.4	70.9	7	3	2	3	3	3	3	7	.....	5306	8539	7	2.24	56.9
Detroit	N. 42 20	W. 83 03	6.36 a.m.	661	201	29.32	744.7	30.07	763.8	31.9	—0.1	78.9	6	4	4	8	1	4	2	3	1	6639	10684	6	2.10	53.3
Dodge City	N. 37 45	W.100 00	5.28 a.m.	2517	767	27.33	694.2	30.06	763.5	33.1	0.5	72.3	1	8	5	1	.....	8	4	4	.....	12316	19820	3	1.91	48.5
Dubuque	N. 42 30	W. 90 44	6.05 a.m.	665	203	29.30	744.2	30.05	763.3	26.9	—2.8	68.8	6	7	3	2	3	3	4	3	.....	4132	6650	7	3.85	97.8
Duluth	N. 46 48	W. 92 06	6.00 a.m.	644	184	29.27	743.4	30.06	763.5	15.4	—9.2	75.3	1	2	5	4	.....	.....	1	7	11	5179	8335	5	1.32	33.5
Eastport	N. 44 54	W. 66 59	7.40 a.m.	61	18	29.88	758.9	29.95	760.7	24.7	—4.1	77.8	5	8	4	3	2	.....	3	5	1	8306	13367	7	3.74	95.0
Elliott, Fort	N. 35 30	W.100 21	5.27 a.m.	2650	808	27.17	690.1	30.00	762.0	36.2	2.3	74.6	4	5	.....	4	4	7	.....	4	3	11127	17907	4	0.34	8.6
El Paso	N. 31 47	W.106 30	5.02 a.m.	3764	1147	26.21	665.7	30.01	762.2	44.2	6.8	55.2	.	4	13	1	.....	....	1	1	11	3981	6407	3	0.33	8.4
Erie	N. 42 07	W. 80 05	6.48 a.m.	681	208	29.29	744.0	30.06	763.5	30.3	—0.9	81.9	3	2	2	2	5	8	1	5	4	6789	10926	6	3.81	97.5
Escanaba	N. 45 48	W. 87 05	6.20 a.m.	613	187	29.35	745.5	30.06	763.5	11.5	-11.4	79.4*b*	13	5	2	1	7	1	1	1	.....	5750	9254	6	1.10	27.9
Fort Smith	N. 35 22	W. 94 24	5.50 a.m.	451	137	29.53	750.0	30.02	762.5	44.9	7.2	75.4	4	2	3	2	1	.....	16	.....	3	5629	9059	6	2.28	57.9
Galveston	N. 29 18	W. 94 47	5.49 a.m.	40	12	29.98	761.5	30.02	762.5	61.4	16.3	84.4	3	1	2	3	6	6	3	7	.....	8214	13219	6	4.84	122.9
Grand Haven	N. 43 05	W. 86 18	6.23 a.m.	620	189	29.35	745.5	30.05	763.3	27.7	—2.4	79.3	3	4	.....	2	3	1	5	8	5	7305	11756	7	3.86	98.0
Grant, Fort	N. 32 39	W.109 57	4.48 a.m.	4856	1480	25.16	639.1	29.98	761.6	41.1	5.1	62.7	1	4	2	1	.....	5	8	10	.....	5304	8536	4	3.87	98.3
Hatteras	N. 35 15	W. 75 40	7.05 a.m.	12	4	30.06	763.5	30.07	763.8	50.8	10.4	81.8	3	8	1	4	5	2	1	5	2	8956	14413	6	5.84	148.3
Helena	N. 46 34	W.112 04	4.40 a.m.	4044	1232	25.72	653.3	30.04	763.0	24.2	—4.3	75.5	9	8	8	2	... ...	.....		2	2	3625	5834	5	0.59	15.0
Huron	N. 44 21	W. 98 09	5.35 a.m.	1305	398	28.59	726.2	30.07	763.8	20.7	—6.3	84.6	10	4	1	.....	2	7	1	5	1	6627	10665	6	1.53	38.9
Indianapolis	N. 39 46	W. 86 10	6.23 a.m.	753	229	29.20	741.7	30.04	763.0	35.1	1.7	71.9	5	7	1	1	2	6	3	5	1	5090	8191	6	3.01	76.5
Indianola	N. 28 32	W. 96 31	5.42 a.m.	26	8	29.98	761.5	30.01	762.2	61.7	16.5	85.7	8	1	.....	1	8	7	2	4	.....	10737	17279	7	1.91	48.5

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea		Result of Simultaneous Observations for March, 1884.																				Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity.	Wind.															
						Actual.		Reduced.					Directions.									Total Movement.						
				Feet.	Metr's	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.		Inch.	Mill.
U. S.—Continued.	° ′	° ′																										
Jacksonville	N. 30 20	W. 81 39	6.42 a.m.	43	13	30.08	764 0	30.12	765.0	61.1	16.2	84.4	2	3	4	6	7	3	2	3	1	5958	9588	4	2.63	66.8
Keokuk	N. 40 22	W. 91 26	6.02 a.m.	618	188	29.34	745.2	30.03	762.7	32.1	0.1	79.7	6	2	5	1	4	4	3	3	3	5405	8698	5	3.37	85.6
Key West	N. 24 34	W. 81 49	6.41 a.m.	20	6	30.09	764.3	30.11	764.8	72.3	22.4	79.0	4	2	1	2	3	10	5	4	.....	7919	12744	3	0.16	4.1
Kittyhawk	N. 36 00	W. 75 42	7.05 a.m.	22	7	30.05	763.3	30.07	763.8	46.4	8.0	79.9	5	3	5	5	2	5	2	4	.....	10924	17580	4	9.17	232.9
Knoxville	N. 35 56	W. 83 58	6.32 a.m	980	299	29.02	737.1	30.08	764.0	42.8	6.0	82.2	4	.....	6	5	.....	....	4	8	4	4963	7987	6	11.93	303 0
La Crosse	N. 43 49	W. 91 15	6.03 a.m.	725	221	29.22	742.2	30.04	763.0	23.5	—4.7	72.6	11	4	3	1	8	1	.....	3	....	5524	8890	6	1.11	28.2
Leavenworth	N. 39 19	W. 94 57	5.48 a.m.	842	256	29.10	739.1	30.04	763 0	34.9	1.6	76.9	4	6	.....	2	7	4	1	3	4	6822	10979	6	3.70	94.0
Lewiston	N. 46 28	W. 117 05	4.20 a.m.	780	238	29.11	739.4	29.97	61 2	37.3	2.9	74.8	.....	4	2	1	.....	2	.....	3	19	1238	1992	4	1.25	31.7
Little Rock	N. 34 45	W. 92 06	6.00 a.m.	298	91	29.73	755 1	30.06	763.5	47.8	8.8	77.9	5	3	2	4	4	4	2	4	3	4753	7049	4	4.67	118.6
Los Angeles	N. 34 03	W. 118 15	4.15 a.m.	371	113	29.61	752.1	30.01	762 2	48.9	9.4	84.7	2	1	1	1	2	1	7	16	.....	5681	9142	5	12.36	313.9
Louisville	N. 38 15	W. 85 45	6.25 a.m.	530	162	29.46	748.3	30.05	763.3	41.7	5.4	74.7	3	3	7	1	6	3	2	5	1	6619	10652	7	3.76	95.5
Lynchburg	N. 37 25	W. 79 09	6.52 a.m.	652	199	29.34	745.2	30.06	763.5	42.4	5.8	72.9	1	3	5	2	4	1	1	5	7	3440	5546	7	8.14	206.8
Macknaw City	N. 45 47	W. 84 39	6.30 a.m.	605	184	29.37	746.0	30.07	763.8	17.0	—8.3	77.5	1	3	5	6	1	4	3	2	0	6431	10350	6	1.21	30.7
Macon, Fort	N. 34 42	W. 76 40	7.01 a.m.	11	3	30.07	763.8	30.08	764.0	51.5	10.8	82.5	2	8	3	2	5	4	.....	7	.....	11625	18708	5	4.10	104.1
Maginnis, Fort	N. 47 12	W. 109 10	4.51 a.m.	4340	1324	25.46	646.7	30.06	763.5	22.3	—5.4	52.9	.....	6	8	4	.....	4	2	7	.....	6571	10580	5	0.56	14.2
Marquette	N. 46 34	W. 87 24	6.18 a.m.	673	205	29.28	743.7	30.07	763.8	17.2	—8.2	73.9	1	10	8	3	4	2	1	.....	2	5346	8003	5	0.74	18.8
Memphis	N. 35 09	W. 90 03	6.08 a.m.	221	98	29.69	754.1	30.04	763.0	47.6	8.7	73.9	4	4	6	2	.....	8	2	5	.....	4550	7322	5	5.08	129.0
Milwaukee	N. 43 02	W. 87 54	6.16 a.m.	697	212	29.26	743.2	30.05	763.3	25.8	—3.4	79.1	4	6	7	1	2	3	2	6	.....	9260	14902	7	2.77	70.4
Mobile	N. 30 41	W. 88 02	6.16 a.m.	35	11	30.04	763.0	30.08	764.0	56.6	13.7	82.8	9	1	2	5	6	.....	3	5	....	5061	8145	6	11.53	292.8
Montgomery	N. 32 23	W. 86 18	6.23 a.m.	219	66	29.84	757.9	30.08	764.0	53.2	11.8	82.3	1	6	2	5	5	7	.....	5	.....	5127	8251	6	9.50	241.3
Moorhead	N. 46 52	W. 96 44	5.41 a.m.	923	281	29.00	736.0	30.08	764.0	7.2	—13.8	87.4	7	3	5	1	7	3	.....	2	3	6055	9744	5	1.03	26.2
Mt. Washington	N. 44 16	W. 71 18	7.23 a.m.	6279	1914	23.44	595.4	29.96	761.0	11.1	—11.6	83.1	1	15	5	4	1	1	2	1	1	.....	.....	5	4.10	105.7
Nashville	N. 36 10	W. 86 47	6.21 a.m.	549	167	29.46	748.3	30.06	763.5	43.7	6.5	79.9	3	7	4	1	2	3	6	5	.....	5485	8827	8	8.89	225.8
New Haven	N. 41 18	W. 72 56	7.16 a.m.	107	32	29.92	760.0	30.04	763.0	29.5	—1.4	80.4	5	6	4	1	1	1	7	6	6179	9944	6	4.15	105.4
New London	N. 41 21	W. 72 05	7.20 a.m.	47	14	29.99	761.7	30.04	763.0	32.2	0.1	81.2	4	11	8	.....	2	1	..	3	2	6139	9880	6	5.53	140.5
New Orleans	N. 29 58	W. 90 04	6.08 a.m.	52	16	29.99	761.7	30.05	763.3	60.4	15.8	80.4	6	2	1	4	5	6	4	2	1	6008	9669	6	8.24	209.3
New York	N. 40 43	W. 74 00	7.12 a.m.	164	50	29.87	758.7	30.05	763.3	33.6	0.9	78.7	2	4	2	.....	3	5	.....	2	10	5340	8594	5	9.13	231.9
Norfolk	N. 36 51	W. 76 17	7.03 a.m.	30	9	30.02	762.5	30.05	763.3	46.5	8.1	79.4	5	4	2	.....	3	5	.....	2	10	5340	8594	5	9.13	231.9
North Platte	N. 41 08	W. 100 45	5.25 a.m.	2841	866	26.97	685.0	30.03	762.7	27.4	—2.6	80.1	2	8	4	1	.....	2	4	5	5	6723	10819	6	1.82	46.2
Olympia	N. 47 03	W. 122 53	3.57 a.m.	36	11	29.90	759.4	29.94	760.5	36.6	2.6	85.8	.....	1	1	1	5	.....	.....	1	22	1559	2509	6	1.57	39.9
Omaha	N. 41 16	W. 95 56	5.44 a.m.	1113	339	28.82	732.0	30.07	763.8	29.8	—1.2	79.9	8	4	.....	3	5	3	1	4	3	5819	9365	6	4.91	124.7
Oswego	N. 43 29	W. 76 35	7.02 a.m.	304	93	29.69	754.1	30.03	762 7	29.7	—1.3	70.5	5	5	4	2	5	6	1	3	.....	7446	11973	7	3.81	96.8
Palestine	N. 31 45	W. 95 40	5.45 a.m.	533	162	29.47	748.5	30.04	763.0	53.1	11.7	78.3	4	3	1	2	8	4	1	8	.....	8056	12955	6	3.62	91.9
Pensacola	N. 30 25	W. 87 13	6.19 a.m.	30	9	30.05	763.3	30.08	764.0	58.7	14.8	85.6	4	4	3	4	5	2	2	6	1	6552	10514	6	5.75	146.0
Philadelphia	N. 39 57	W. 75 09	7.07 a.m.	92	28	29.96	761.0	30.06	763.5	37.2	2.9	83.2	1	9	3	2	1	2	.....	13	....	6452	10382	7	4.70	119.4
Pike's Peak	N. 38 50	W. 105 02	5.08 a.m.	14134	4308	17.51	444.7	30.10	764 5	2.2	—16.6	78.5	1	7	12	4	2	.....	.....	5	.....	19128	30783	4	0.39	9.9
Pittsburg	N. 40 32	W. 80 02	6.48 a.m.	766	233	29.20	741 7	30.05	763.3	35.8	2.1	83.2	1	10	7	2	3	....	2	6	.....	5215	8392	8	3.71	94.2
Poplar, River	N. 48 08	W. 105 10	5.07 a.m.	2030	619	.....	.....	.....	....	20.5	—6.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4	0.34	8.6
Port Huron	N. 43 00	W. 82 26	6.38 a.m.	633	193	29.32	744.7	30.04	763 0	25.0	—3.9	86.0	7	3	2	3	7	1	1	5	2	7660	12327	6	1.84	46.7
Portland, Maine	N. 43 39	W. 70 15	7.27 a.m.	45	14	29.94	760.5	29.99	761.7	29.4	—1.4	71.9	10	5	1	5	.....	.....	.....	5	2	6468	10419	6	4.86	123.4
Portland, Oreg.	N. 45 32	W. 122 43	3.57 a.m.	67	20	29.86	758.4	29.93	760.2	40.0	4.4	84.3	1	3	2	4	9	.....	3	1	8	3379	5438	7	2.25	57.1
Prescott	N. 34 33	W. 112 28	4.38 a.m.	5389	1642	24.61	625.1	30.00	762.0	33.6	0.9	84.3	1	.....	.....	2	12	6	2	1	3	6253	10063	5	5.51	140.0
Provincetown	N. 42 03	W. 70 11	7.27 a.m.	26	8	29.96	761.0	29.99	761.7	32.2	0.1	83.4	3	9	4	6	2	1	2	4	.....	8443	13587	7	6.77	172.0
Red Bluff	N. 40 10	W. 122 15	3.59 a.m.	332	101	29.60	751.8	29.97	761 2	45.3	7.4	85.4	12	9	.....	.....	9	.....	.....	.....	.....	4974	8006	4	0.16	4.1
Rio Grande City	N. 26 22	W. 98 45	5.33 a.m.	230	70	29.78	756.4	30.02	762.5	62.9	17.2	80.6	5	1	.....	.....	.....	4	11	4	4	5838	9395	4	0.16	4.1
Rochester	N. 43 08	W. 77 42	0.57 a.m.	621	189	29.34	745.2	30.04	763.0	27.7	—2.4	81.1	2	7	8	5	3	4	2	.....	.....	9500	15288	7	3.30	83.8
Roseburg	N. 43 13	W. 123 20	3.55 a.m.	511	156	29.38	746.2	29.94	760.5	39.5	4.2	86.2	.....	.....	2	5	.....	1	5	.....	18	1732	2787	6	3.37	85.6
Sacramento	N. 38 35	W. 121 30	4.02 a.m.	64	19	29.89	759.2	29.96	761.0	48.6	9.2	85.7	3	3	2	2	7	9	1	2	2	6787	10922	5	8.14	206.8
Saint Louis	N. 38 38	W. 90 12	6.07 a.m.	583	178	29.41	747.0	30.06	763 5	38.8	3.8	7918	5	2	6	2	5	5	3	3	.....	9961	16030	6	3.00	76.2
Saint Michael, Ft	N. 63 48	W. 162 00	1.20 a.m.	30	9	29.72	754.9	29.76	755.9	12.4	—10.9	93.2	14	.....	6	1	3	3	1	4	2	9965	16037	6	0.78	19.8
Saint Paul	N. 44 58	W. 93 03	5.56 a.m.	801	244	29.13	739 9	30.04	763.0	21.8	—5.7	74.5	2	6	6	2	2	7	1	4	.....	4659	7498	3	0.38	9.7
Saint Vincent	N. 48 56	W. 97 14	5.39 a.m.	804	245	29.14	740.1	30.08	764.0	3.0	—16.1	81.5	3	9	...	1	4	4	.....	.....	10	4662	7503	6	3.09	93.7
Salt Lake City	N. 40 46	W. 111 54	4.40 a.m.	4348	1325	25.50	647.7	30.02	762.5	30.4	2.4	64.2	.....	1	1	1	2	9	1	6	10	4662	7503	6	0.23	158.2
San Diego	N. 32 43	W. 117 10	4.19 a.m.	67	20	29.93	760.2	30.00	762.0	52.4	11.3	82.9	1	1	5	.....	4	2	5	13	....	5480	8819	6	3.20	82.8
Sandusky	N 41 25	W. 82 40	6.37 a.m.	639	195	29.35	745.5	30.07	763.8	32.0	0.0	76.9	5	6	4	6	3	4	2	1	.....	9093	15599	6	3.20	82.8
Sandy Hook	N. 40 28	W. 74 00	7.12 a.m.	28	8	30.03	762.7	30.06	763.5	34.9	1.6	77.5	4	6	5	1	4	1	3	7	.....	12011	19334	7	4 32	109.7
Sanford	N. 28 48	W. 81 23	6.42 a.m.	50	15	30.00	763.5	30.11	764.8	63.0	17.2	83.0	1	6	.....	6	4	6	...	2	6	5451	8772	4	0.94	23.9
San Francisco	N. 37 48	W. 122 26	3.58 a.m.	60	18	29.88	758.9	29.95	760.7	51.6	10.9	83.9	6	5	4	1	4	7	2	.....	2	6998	11202	6	8.24	209.3
Savannah	N. 32 05	W. 81 05	6.44 a.m.	87	26	30.01	762.2	30.10	764.5	56.6	13.7	76.4	4	4	4	5	9	1	3	1	.....	6349	10218	5	4.91	124.7
Shaw, Fort	N. 47 31	W. 111 48	4.41 a.m.	3550	1082	26.28	667.5	30.08	764.0	20.7	—6.3	77.6	1	3	11	13	.....	.....	.....	2	1	5472	8806	3	0.42	10.7
Shreveport	N. 32 30	W. 93 40	5.53 a.m.	227	69	29.81	757 2	30.06	763 5	52.6	11.4	74.6	4	2	4	3	3	7	3	4	1	5156	8298	6	4.78	121.4
Sitka	N. 57 03	W. 135 19	3.07 a m.	63	19	29.70	754.4	29.77	756 1	35.1	1.7	75.9	.....	.....	.....	.....	.....	1	1	19	6	6782	10914	7	11.05	274.7
Smithville	N. 33 55	W. 78 01	6.56 a.m.	34	10	30.04	763.0	30.08	764.0	52.5	11.4	83.1	5	3	0	4	5	2	2	3	1	8857	14253	5	2.80	71.1
Spokane Falls	N. 47 40	W. 117 25	4.18 a.m.	1910?	582?	27.86	707.6	29.99	761.7	29.3	—1.5	85.8	2	2	.....	4	.....	.....	3	2	18	2309	3802	4	1.54	39.1
Springfield, Ill	N. 39 48	W. 89 39	6.10 a.m.	644	196	29.33	745 0	30.05	763.3	35.2	1.8	78.8	5	4	3	2	7	2	4	4	.....	7904	12720	4	3.70	94.0
Stockton, Fort	N. 39 03	W. 102 53	5.16 a.m.	3010	917	26.94	684.3	30.02	762.5	47.5	8.6	63.1	.....	2	.....	4	2	7	.....	.....	16	7591	12216	0	0.12	3.0
Tatoo-h Id	N. 48 23	W. 124 44	3.49 a.m.	86	26	29.81	757 2	29.91	759.7	41.3	5.2	83.4	.....	3	1	2	2	4	11	2	6	8339	13420	6	2.41	61.2
Thomas, Camp	N. 33 04	W. 110 02	4.48 a.m.	2710	826	27.23	691.6	30.01	762.2	40.9	4.9	75.6	1	1	13	1	.....	.....	1	.....	14	.....	.....	4	3.21	81.5
Toledo	N. 41 40	W. 83 34	6.34 a.m.	651	198	29.31	744.5	30.04	763.0	31.0	-0.6	79.6	5	1	0	3	1	3	1	4	7	5620	9044	7	2.09	53.1
Unalaska	N. 53 53	W. 166 32	1.02 a.m.	13	4	29.59	751.6	29.61	752.1	32.5	0.3	79.6	3	5	2	4	7	8	.....	1	1	10249	16491	8	9.44	239.8
Vicksburg	N. 32 22	W. 90 53	6.04 a.m.	244	74	29.79	756.7	30.05	763 3	54.0	12.2	73.3	7	1	2	3	6	4	6	1	1	5177	8331	6	8.29	210.6
Washington, D. C.	N. 38 54	W. 77 02	7.00 a.m.	106	32	29.96	761.0	30.08	764.0	37.4	—3.0	82.0	2	10	1	2	2	4	3	6	1	5447	8766	6	7.24	183.9
W. Las Animas	N. 38 04	W. 103 07	5.16 a.m.	3905	1190	25.89	657.6	29.96	761.0	27.9	—2.3	74.1	4	3	13	4	1	3	2	1	.....	8098	13032	4	1.19	30.2
Wilmington	N. 34 14	W. 77 57	6.56 a.m.	52	16	30.02	762.5	30.08	764.0	53.3	11.8	77.1	5	4	4	5	5	3	1	3	1	6620	10654	6	6.07	154.2
Yankton	N. 42 54	W. 97 28	5.38 a.m.	1228	374	28.68	728.5	30.07	763.8	24.8	4.0	78.1	8	2	4	.....	2	4	5	5	1	6141	9383	6	0.92	23.4
Yuma	N. 32 45	W. 114 36	4.30 a.m.	141	43	29.80	756 9	29.95	760.7	53.4	11.9	68.5	2	2	4	6	1	3	3	2	8	4304	7023	4	1.48	37.6
Sub-Series.																												
Behring Island	N. 55 12	E. 165 55	11.12 p.m.	20	6	29.59	751.6	29.61	752.1	27.7	—2.4	88.5	9	2	1	3	2	2	8	4	.....	10957	17633	9	1.44	36.6
Bluefields	N. 12 00	W. 83 43	6.31 a.m.	?	?	.....	.....	.....	.....	79.3	25.3	.....	2	9	.....	.....	.....	.....	.....	20	.....	.....	.....	5	3.21	81.5
Bogota	N. 4 36	W. 74 14	7.11 a.m.	8655	2638	22.02	559.4	.....	.....	54.7	12.6	87.7	6	2	.....	4	3	.....	2	1	13	.....	.....	7	4.24	107.6
Chimo, Ft	N 59 00	W. 68 00	7.30 a.m	1200	387	29.91	759 7	30.17	766.3	—12.7	—21.8	100.	2	2	1	5	11	...	.....	1	9	8802	14165	5	1.17	29.7
Kingston	N. 18 58	W. 76 48	7.01 a.m.	10	3	.....	.....	30.08	764.0	71.0	21.7	83.5	21	.....	.....	.....	1	.....	.....	1	8	2813	4527	2	1.14	29.0
Paramaribo	N. 5 50	W. 55 13	8.27 a.m.	6	2	30.04	763.0	30.04	763 0	76.3	24.6	88.0	.....	.....	.....	.....	.....	.....	.....	15	16	.....	.....	7	19.94	506.5
Puerto Berrio	N. 6 22	W. 74 28	7.10 a.m.	542	165	29.40	740.7	29.95	760.7	77.0	25.0	90.0	11	1	.....	.....	.....	10	.....	.....	1	8	.....	9	2.76	70.1
Rivas	N. 11 26	W. 85 47	6.25 a.m.	150	46	.....	.....	.....	.....	75.5	24.2	84.0	.....	.....	.....	.....	.....	.....	2	29	.....	.....	.....	1	0	0
York Factory	N. 57 02	W. 92 26	5.58 a.m.	55	17	30.01	762.2	30.08	764.0	—25.7	—32.1	72.0	11	9	4	2	.....	1	2	2	.....	.....	.....	4	0.17	4.3
U. S. Colombia.																												
Sub-Series.																												
Colon	N. 9 22	W. 79 55	6.50 a.m.	7	2	29.97	761.3	29.99	761.7	77.0	25.0	85.0	31	.....	.....	.....	.....	.....	.....	.....	.....	1189	1914	6	0.39	10.0
Naõs a	N. 8 55	W. 79 32	6.50 a.m.	39	12	29.93	760.1	29.99	761.8	72.5	22.5	91.8	22	8	.....	.....	.....	.....	.....	.....	.....	.....	.....	9	0	0

OCEAN SQUARE DATA FOR MARCH, 1884.

Location of Centre of each Square.	Barometer.		Temperature.		Wind Frequency.										Wind force 0–10.
	Inch.	Mill.	Fah.	Cent.	N.	NW.	W.	SW.	S.	SE.	E.	NE.	Calm.	Blank.	
° °															
N. 12.5 W. 22.5	30.01	762.2	74.0	23.3	2						2	27			4.4
12.5 27.5	30.03	762.7	73.7	23.2	3						4	24			4.3
12.5 32.5	30.06	763.5	74.7	23.7	1						18	9		3	5.0
12.5 37.5	30.07	763.8	76.0	24.1	1						19	7		4	4.9
12.5 42.5	30.08	764.0	76.2	24.6							17	8		6	4.9
12.5 47.5	30.08	764.0	76.4	24.7							18	7		6	4.6
12.5 52.5	30.08	764.0	76.0	24.4							20	9		2	4.2
17.5 22.5	30.06	763.5	70.2	21.2	3						3	25			4.5
17.5 27.5	30.07	763.8	70.1	21.2	2						18	11			4.5
17.5 32.5	30.11	764.8	72.6	22.6	2						21	7		1	4.8
17.5 37.5	30.13	765.3	73.9	23.3	2						20	7		2	4.7
17.5 42.5	30.14	765.5	74.6	23.7	1						22	3		5	4.7
17.5 47.5	30.14	765.5	74.8	23.8	1					1	20	4		5	4.7
17.5 52.5	30.11	764.8	74.7	23.7						4	17	7	1	2	4.2
17.5 57.5	30. 0	764.5	76.0	24.4							22	8	1		4.0
22.5 22.5	30.09	764.3	67.8	19.9	8	1	2				2	17		1	4.5
22.5 27.5	30.14	765.5	68 5	20.3	7	1					7	15		1	4.4
22.5 32.5	30.19	766.8	70.2	21.2	6						9	11		5	4.4
22.5 37.5	30.21	767.3	71.6	22.0	5						17	7		2	4.6
22.5 42.5	30.22	767.6	72.4	22.4	5		1			3	18	2		2	4.5
22.5 47.5	30.21	767.3	73.1	22.8	3	1			1	8	12	3	1	2	4.3
22.5 52.5	30.19	760.8	73.0	22.8	3				6	4	11	5	1	1	4.3
22.5 57.5	30.15	765.8	72.9	22.7	1	1	2		4	4	15	4			4.5
27.5 62.5	30.14	765.5	73.5	23.1	2		2		5	1	15	6			4.3
27.5 67.5	30.14	765.5	74.6	23.7	1	1	2		4	2	17	2	2		3.7
27.5 72.5	30.12	765.0	74.6	23.7	3	3			3	4	16	1	1		4.1
27.5 22.5	30.14	765.5	65.6	18.7	12	1	3	1			1	13			4.2
27.5 27.5	30.19	766.8	66.5	19.2	4	1	4				4	16		2	4.6
27.5 32.5	30.23	767.8	69.3	20.2	3	3	1				9	12		3	4.4
27.5 37.5	30.28	769.1	68.0	20.3	7	2				1	13	5		3	4.3
27.5 42.5	30.31	769.9	69.5	20.8	7	1	1		5	5	7	1	1	3	4.5
27.5 47.5	30.24	768.1	69.9	21.1	3	3	2	2	5	7	4	2		3	4.7
27.5 52.5	30.19	766.8	69.6	20.9	5	1	2	3	6	1	8	3	1	1	4.2
27.5 57.5	30.16	766.1	69.5	20.8	3		6	4	3	2	6	6		1	4.1
27.5 62.5	30.16	766.1	70.8	21.6	1	3	5	5		6	6	3	1	1	4.2
27.5 67.5	30.16	766.1	71.1	21.7	1	4	5	1	4	6	6	3	1		3.9
27.5 72.5	30.16	766.1	71.5	21.9	3	3	3	2	8	7	5				4.5
27.5 77.5	30.14	765.5	71.2	21.8	4	1	3	2	13	4	4				3.7
32.5 12.5	30.02	762.5	62.5	16.9	18	1	2	3	1	1	2	1	2		3.7
32.5 17.5	30.08	764.0	62.3	16.8	9	1	7	9	2		2		1		2.8
32.5 22.5	30.15	765.8	63.1	17.3	13	3	3	2	1			8		1	4.4
32.5 27.5	30.20	767.1	64.3	17.9	6	5	5	1			2	9		1	4.3
32.5 32.5	30.22	767.6	64.9	18.3	5	6	5	4			3	5		3	4.4
32.5 37.5	30.23	767.8	65.2	18.4	3	5	6	3	1	5	1	1	2	4	4.5
32.5 42.5	30.24	768.1	65.6	18.7	2	6	5	4	4	4	3	1		2	4.7
32.5 47.5	30.19	766.8	65.8	18.8	3	2	5	6	6	2		5		2	5.2
32.5 52.5	30.13	765.3	65.7	18.7	6	4	2	8	5	1		2		3	5.2
32.5 57.5	30.08	764.0	64.6	18.1	1	4	5	6	4	2	3	2	1	3	5.0
32.5 62.5	30.11	764.8	63.9	17.7	5	1	9	5	9		2				4.6
32.5 67.5	30.11	764.8	64.5	18.1	2	6	6	4	8			3	1	1	4.5
32.5 72.5	30.11	764.8	63.5	17.5	8	3	3	7	3	4	2		1		4.8
32.5 77.5	30. 0	764.5	59.9	15.5	7	2	3	2	10	1	2	2		2	4.3
37.5 12.5	29.94	760.5	59.0	15.0	12	4	3	3	3		3	3			4.0
37.5 17.5	30.03	762.7	59.0	15.0	12	6	5	3		1	2	2			4.3
37.5 22.5	30.12	765.0	59.9	15.5	8	10	5	2	1	4		1			4.5
37.5 27.5	30.17	766.3	60.7	15.9	4	7	7	4	3		1	5			3.8
37.5 32.5	30.15	765.8	60.8	16.0		6	11	6	1	2	3	1	1		5.1
37.5 37.5	30.14	765.5	60.9	16.1	2	7	7	8	2	4	1				5.2
37.5 42.5	30.14	765.5	60.0	15.6	3	7	7	6	5	3					5.5
37.5 47.5	30.11	764.8	59.4	15.2	5	3	7	8	4	3		1			5.5
37.5 52.5	30.05	763.5	59.3	15.2	4	5	5	7	7	1	2				5.0
37.5 57.5	30.04	763.0	58.8	14.9	1	6	6	8	4	1	1	2			5.8
37.5 62.5	30.03	762.0	56.4	13.6	5	4	7	8	4	1	2				5.8
37.5 67.5	30.02	762.5	53.9	12.2	7	8	3	4	4	3		1	1		5.2
37.5 72.5	30.04	763.0	47.7	8.7	9	7	4		5	3	1	2			4.7
42.5 12.5	29.92	760.0	57.8	14.3	4	3	4	4	3	1	2	7	3		4.6
42.5 17.5	29.96	761.0	56.3	13.5	5	6	8	5	2	2		2	1		5.0
42.5 22.5	29.99	761.7	55.8	13.2	5	8	9	5	3			1			5.1
42.5 27.5	30.00	762.0	55.7	13.2	4	8	10	6	2				1		5.7
42.5 32.5	29.99	761.7	55.3	12.9	2	10	11	6	2						5.0
42.5 37.5	30.01	762.2	54.6	12.6	3	7	12	4	3	1	1				5.9
42.5 42.5	30.02	762.5	52.6	11.4	4	9	4	5	6	2		1			5.8
42.5 47.5	29.99	761.7	47.4	8.6	4	7	7	4	6	1	1	1			5.2
42.5 52.5	29.96	761.0	44.5	6.9	2	7	7	3	5	1	4	1	1		5.2
42.5 57.5	29.94	760.5	42.9	6.1	5	7	7	2	6	3	1				5.6
42.5 62.5	29.93	760.2	39.3	4.1	3	9	4	1	5	1	4	3	1		5.2
42.5 67.5	29.99	761.7	35.2	1.8	3	11	4		2	3	4	2	2		4.5
47.5 12.5	29.85	758.2	52.8	11.6	1	4	5	8	7		2	2	2		4.8
47.5 17.5	29.81	757.2	51.6	10.9	3	6	8	8	5			1			5.7
47.5 22.5	29.81	757.2	50.6	10.3	2	10	9	5	4				1		5.4
47.5 27.5	29.77	756.1	49.4	9.7	1	10	10	7	3						6.2
47.5 32.5	29.78	756.4	48.0	8.9	1	8	11	7	2	1	1				5.9
47.5 37.5	29.78	756.4	46.1	7.8	1	11	10	5	4						6.2
47.5 42.5	29.82	757.4	41.9	5.5		11	8	6	6						6.2
47.5 47.5	29.81	757.2	34.8	1.0	2	11	7	6	4					1	5.8
52.5 12.5	29.68	753.9	48.8	9.3	1	4	6	9	8	2	1				5.4
52.5 17.5	29.66	753.4	48.0	8.9	3	5	8	9	3	2			1		5.7
52.5 22.5	29.62	752.3	45.9	7.7	4	9	4	8	6						5.8
52.5 27.5	29.60	751.8	44.1	6.7	3	6	11	6	4	1					6.1
52.5 32.5	29.57	751.1	41.9	5.5	2	8	10	7	1	1		2		1	6.3
52.5 37.5	29.56	750.8	38.7	3.7	5	8	4	10	2	1					6.0
52.5 42.5	29.58	751.3	33.7	0.9	2	9	8	7	2	2		1			6.2
52.5 47.5	29.62	752.3	27.7	−2.4	4	10	6	5	4	2					6.0
57.5 12.5	29.61	752.1	45.2	7.3		3	5	7	11	2	2		1		5.3
57.5 17.5	29.55	750.6	44.0	6.7	2	5	4	9	6	4		1			6.0
57.5 22.5	29.49	749.0	41.4	5.2	1	3	8	8	5	4		2			6.3
57.5 27.5	29.46	748.3	38.3	3.5	3	5	6	7	0		2	2			6.3
57.5 32.5	29.47	748.5	33.9	1.1	4	4	6	0	5	1	1	4			6.5
57.5 37.5	29.46	748.3	29.2	−1.6	4	6	4	9	1			6		1	7.1
57.5 42.5	29.46	748.3	24.9	−3.9	5	4	6	4	4	1	1	6			6.4
57.5 47.5	29.50	749.3	21.2	−6.0	10	7	4	1	3	1	2	2	1		6.2

GENEVA, SWITZERLAND (N. 46° 12′, E. 6° 8′).

DATE.	Barometer. Corrected for instrumental error and temperature. Inch.	Barometer. Corrected for instrumental error and temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative Humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles per hour	Wind. Velocity. Metres p. sec.	Wind. Force. 0–10	Clouds. Amount. Upper. 0–10	Clouds. Amount. Lower. 0–10	Clouds. Direction. Up'er From	Clouds. Direction. Lo'er From	Rainfall in past 24 hours. Inch.	Rainfall in past 24 hours. Mill.	WEATHER.
1884.																		
January 1	28.91	734.4	30.40	772.1	35.6	2.0	84	e.			1		10			0	0	covered.
2	28.92	734.6	30.40	772.2	36.7	2.6	87	nne.			1		10			0	0	covered.
3	28.82	731.9	30.29	769.3	39.2	4.0	90	sw.			2		10			0	0	foggy.
4	28.85	732.9	30.32	770.2	40.3	4.6	93	sw.			1		10			0	0	misty.
5	28.91	734.2	30.38	771.6	38.5	3.6	100	e.			1		10			0.087	2.2	misty.
6	28.80	731.4	30.24	768.2	46.2	7.9	87	w.			2		10			0.157	4.0	covered.
7	28.72	729.6	30.17	766.3	48.2	9.0	77	ssw.			2		10			0.134	3.4	covered.
8	28.73	729.7	30.19	766.8	43.0	6.1	66	n.			4		4			0	0	fair.
9	29.04	737.7	30.51	774.9	40.8	4.9	84	n.			2		5			0	0	vapory.
10	29.14	740.2	30.60	777.3	43.2	6.2	71	sw.			1		0			0	0	clear.
11	28.91	734.3	30.35	770.8	50.4	10.2	59	e.			1		0			0	0	clear.
12	28.67	733.3	30.34	770.5	41.4	5.2	52	n.			2		0			0.071	1.8	clear.
13	29.03	737.4	30.51	775.0	37.2	2.9	76	ene.			1		10			0	0	covered.
14	29.01	736.5	30.46	773.6	42.4	5.8	69	s.			1		4			0	0	fair.
15	28.96	735.6	30.44	773.1	38.5	3.6	82	e.			1		7			0	0	fair.
16	29.00	736.6	30.46	773.6	46.0	7.8	67	ene.			2		0			0	0	clear.
17	29.03	737.4	30.50	774.8	39.2	4.0	81	s.			1		10			0	0	covered.
18	29.03	737.3	30.50	774.7	39.2	4.0	74	n.			1		10			0	0	covered.
19	29.15	740.5	30.63	778.1	36.7	2.6	79	n.			2		10			0	0	covered.
20	29.17	740.9	30.65	778.6	32.7	0.4	92	n.			1		10			0	0	covered.
21	29.18	741.1	30.67	779.1	31.6	— 0.2	91	s.			1		10			0	0	fogy.
22	29.11	739.4	30.61	777 4	32.0	0.0	92	e.			1		10			0	0	foggy.
23	28.83	732.3	30.28	769.2	45.7	7.6	57	s.			1		8			0	0	vapory.
24	28.63	727.1	30.09	764.2	41.7	5.4	57	nw.			2		9			0.102	2.6	covered.
25	28.64	727.4	30.11	764.9	36.9	2.7	67	n.			1		0			0	0	clear.
26	28.56	725.5	30.01	762.3	45.5	7.5	45	wsw.			2		7			0	0	fair.
27	28.31	719.0	29.76	756.0	43.5	6.4	54	s.			4		10			0.382	9.7	covered.
28	28.57	725.6	30. 3	702.7	43.2	6.2	57	ssw.			1		10			0.189	4.8	snowing.
29	28.84	732.4	30.30	769.6	42.3	5.7	97	n.			1		10			0.039	1.0	raining.
30	28.94	735.1	30.39	771.9	46.4	8.0	82	nnw.			1		7			0.185	4.7	fair.
31	28.80	731.6	30.24	768.1	50.2	10.1	77	s.			1		3			0	0	vapory.
Mean	28.88	733.6	30.35	770.9	41.4	5.2	75.4				1.5		7.2			1.346	34.2	
February 1	28.58	725.8	30.01	762.3	50.4	10.2	61	s.			2		10			0.016	0.4	covered.
2	28.62	726.9	30.06	763.4	49.3	9.6	49	ssw.			2		10			0.311	7.9	covered.
3	28.90	734.0	30.34	770.5	49.5	9.7	57	s.			2		10			0	0	covered.
4	29.13	739.8	30.59	777.0	40.6	4.8	75	n.			1		3			0	0	
5	29.08	738.6	30.57	776.4	34.5	1.4	89	n.			1		2			0	0	clear.
6	28.93	734 8	30.43	772.8	30.0	— 1.1	100	ssw.			1		10			0	0	foggy.
7	28.87	733.2	30.37	771.5	28.9	— 1.7	100	s.			1		10					foggy.
8	28.72	729.4	30.21	767.4	31.8	— 0.1	97	s.			1		10					raining.
9	28.60	726.5	30.08	763.9	38.8	3.8	95	n.			1		10			0.004	0.1	foggy.
10	28.60	726.5	30.02	762.6	54.7	12.6	62	s.			2		9			0.028	0.7	covered.
11	28.63	727.2	30.08	764.0	48.6	9 2	82	ne.			1		10			0.020	0.5	raining.
12	28.84	732.4	30.28	769.2	46.8	8.2	89	n.			1		9			0.406	10.3	covered.
13	28.87	733.2	30.32	770.2	45.3	7.4	81	n.			1		8			0	0	covered.
14	28.78	731.1	30.24	768.1	44.2	6.8	77	n.			2		7			0	0	fair.
15	28.55	725.2	30.02	762.6	38.5	3.6	81	nne.			2		10			0	0	covered.
16	28.55	725.1	30.02	762.5	38.5	3.6	83	n.			2		8			0	0	covered.
17	28.58	725.8	30.06	763.2	39.7	4.3	78	n.			1		10			0.028	0.7	covered.
18	28.58	725.9	30.06	763.4	37.8	3.2	81	n.			1		10			0.008	0.2	covered.
19	28.67	728.2	30.12	765.0	47.1	8.4	60	n.			1		5			0	0	vapory.
20	28.76	730.4	30.21	767.4	43.9	6.6	75	n.			1		10			0	0	covered.
21	28.71	729.2	30.14	765.6	51.6	10.9	55	ssw.			1		9			0	0	covered.
22	28.60	726.5	30.02	762.6	54.9	12.7	54	s.			1		8			0	0	covered.
23	28.45	722.5	29.87	758.6	54.7	12.6	44	ssw			2		10			0	0	covered.
24	28.61	726.6	30.04	763.0	51.1	10.6	47	s.			2		7			0.193	4.9	fair.
25	28.58	725.8	30.05	763.2	39.7	4.3	87	s.			2		10			0.142	3.6	raining.
26	28.57	725.7	30.03	762.8	43.3	6.3	55	s.			2		10			0.175	4.4	covered.
27	28.54	724.8	30.00	762.0	40.6	4.8	55	n.			2		3			0.201	5.1	
28	28.43	722.1	29.90	759.5	38.8	3.8	71	n.			1		10			0	0	covered.
29	28.39	721.0	29.85	758.2	40.3	4.6	75	s.			1					0	0	
Mean	28.67	728.3	30.14	765.5	43.3	6.3	72.9				1.4		8.5			1.528	38.8	
March 1	28.39	721 1	29.85	758.2	43.3	6.3	74	n.			2		1			0	0	clear.
2	28.56	725.4	30.03	762.8	38.1	3.4	79	nw.			1		10			0	0	covered.
3	28.66	728.0	30.13	765.3	39.6	4.2	97	n.			1		1			0	0	clear.
4	28.60	726.4	30.05	763.2	45.3	7.4	58	n.			1		2			0	0	clear.
5	28.73	729.7	30.17	766.3	48.6	9.2	82	n.			1		9			0	0	covered.
6	28.63	727.3	30.08	764.1	45.3	7.4	67	n.			2		10			0	0	covered.
7	28.43	722.1	29.89	759.2	42.6	5.9	64	n			2		10			0	0	covered.
8	28.40	721.4	29.85	758.2	45.7	7.6	56	e.			1		4			0	0	vapory.

FORT CONGER, LADY FRANKLIN BAY (N. 81° 44′, W. 64° 45′).

1883.																		
August 1			30.01	762.2	39.5	4.2		se.	9	4.0			3 k		sw.	0	0	
2			30.02	762.5	34.7	1.5		sw.	1	0.4			ks			blank	blank	
3			29.94	760.5	33.2	0.7		sw.	1	0.4			10 s			0.02	0.5	
4			29.86	758.4	33.1	0.6		sw.	2	0.9			10 s		calm	0	0	
5			29.73	755.1	32.4	0.2		s.	3	1.3			10 s		calm	inap.	inap.	
6			29.60	751.8	32.4	0.2		sw.	3	1.3			1 k		calm	inap.	inap.	
7			29.72	754.9	32.4	0.2		sw.	2	0.9		1 ck	1 k	calm	calm	0	0	
8			29.88	758.9	35.9	2.2		s.	13	5.8		3 cs	2 k			0	0	
9			29.85	758.2	35.4	1.9		se.	2	0.9			10 s		calm	0	0	

CAMPO MAJOR, PORTUGAL (N. 39° 02′, W. 6° 59′).

DATE.	Barometer.				Temperature of the air.		Relative Humidity	Wind.				Clouds.				Rainfall or melted snow in past 24 hours.		WEATHER.
	Corrected for instrumental error and temperature.		Reduced to sea-level.					Direction.	Velocity.		Force	Amount.		Direction.				
												Upper.	Lower.	Up'er	Lo'er			
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles perhour	Metrs pr sec.	0–10	0–10	0–10	From	From	Inch.	Mill.	
1884.																		
January 1	29.01	736.8	30.02	762.6	50.0	10.0	97	ne.	3.8	1.7			10			0	0	
2	29.13	739.8	30.14	765.6	54.1	12.3	98	ssw.	11.2	5.0			10			0.220	5.6	
3	29.09	738.9	30.11	764.8	52.5	11.4	97	ssw.	6.3	2.8			10			0.256	6.5	
4	29.21	741.9	30.22	767.7	54.3	22.4	83	ese.	5.6	2.5			10			0.327	8.3	
5	29.29	743.9	30.30	769.5	59.7	15.4	66	ene.	4.9	2.2			8			0	0	
6	29.30	744.1	30.30	769.7	60.4	15.8	62	ne.	7.4	3.3			4			0	0	
7	29.26	743.3	30.27	768.9	59.4	15.2	70	ene.	3.1	1.4			6			0	0	
8	29.42	747.2	30.44	773.2	56.3	13.5	58	ene.	9.8	4.4			5			0	0	
9	29.38	746.3	30.41	772.3	54.7	12.6	59	ene.	4.9	2.2			2			0	0	
10	29.36	745.7	30.37	771.5	57.2	14.0	55	se.	13.0	5.8			0			0	0	
11	29.48	748.9	30.52	775.2	51.1	10.6	60	ene.	11.2	5.0			0			0	0	
12	29.44	747.7	30.46	773.7	55.8	13.2	60	ene.	1.3	0.6			0			0	0	
13	29.34	745.2	30.36	771.2	53.6	12.0	57	ne.	0.7	0.3			2			0	0	
14	29.35	745.5	30.38	771.6	51.1	10.6	70	ne.	3.1	1.4			5			0	0	
15	29.37	745.9	30.39	772.0	51.1	10.6	70	ne.	2.5	1.1			0			0	0	
16	29.37	746.0	30.40	772.2	50.7	10.4	64	ene.	4.3	1.9			0			0	0	
17	29.38	746.3	30.41	772.3	53.8	12.1	65	calm	0	0			0			0	0	
18	29.41	747.1	30.45	773.5	48.6	9.2	73	ene.	0.7	0.3			0			0	0	
19	29.43	747.6	30.45	773.5	56.1	13.4	64	ese.	1.3	0.6			0			0	0	
20	29.49	749.1	30.52	775.1	57.6	14.2	51	ne.	2.5	1.1			0			0	0	
21	29.50	749.3	30.53	775.5	51.8	11.0	71	ne.	2.5	1.1			0			0	0	
22	29.51	750.2	30.56	776 3	54.1	12.3	63	e.	1.3	0.6			0			0	0	
23	29.48	748.7	30.50	774.7	56.5	13.6	56	se.	3.8	1.7			0			0	0	
24	29.26	743.3	30.28	769.2	53.6	12.0	88	wnw.	8.7	3.9			9			0	0	
25	29.10	739.2	30.13	765.4	47.3	8.5	100	se.	4.9	2.2			10			0.472	12.0	
26	29.30	744.2	30.35	770.8	43.2	6.2	97	ssw.	2.5	1.1			10			0.244	6.2	
27	29.21	741.9	30.22	767.7	55.8	13.2	98	sw.	11.2	5.0			10			0.039	1.0	
28	29.44	747.8	30.47	773.8	56.3	13.5	95	sw.	3.1	1.4			10			0	0	
29	29.46	748.3	30.48	774.2	56.3	13.5	84	se.	2.5	1.1			8			0.177	4.5	
30	29.38	746.2	30.41	772.4	51.1	10.6	93	ne.	3.8	1.7			2			0	0	
31	29.27	743.4	30.28	769.2	57.2	14.0	76	e.	3.1	1.4			3			0	0	
Mean	29.34	745.2	30.36	771.1	54.0	12.2	74.2		4.7	2.1			4.3			1.735	44.1	

NOTE.—The above observations, taken at 7 a. m., Washington time, were received too late for publication in the DAILY BULLETIN, and are given here in full; for continuation of the same, see DAILY BULLETIN.

REVIEW.

INTERNATIONAL METEOROLOGY FOR MARCH, 1884.

[*Pressure expressed in inches and millimetres; temperature in degrees, Fahrenheit and Centigrade; wind-force by scale of* 0–10.]

The following description refers to chart ii. for the month of March, 1884, issued with this SUMMARY. This chart continues the series of international charts begun in February, 1877, and exhibits the mean pressure, mean temperature, and prevailing wind-direction over the northern hemisphere, as determined from one observation taken simultaneously each day at 7 a. m., Washington, or 0 h. 8 m. p. m., Greenwich, mean time.

Two distinct areas of low mean pressure are shown on the chart; the first is indicated by the isobar for 29.5 (749.3) and occupies southern Greenland, Iceland, and the ocean between W. 20° and 45°, and southward to N. 55°; within this area the mean pressures range from 29.43 (747.5) to 29.5 (749.3). The second area of barometric minima is that which occupies British India; it is indicated by the isobar for 29.8 (756.9), and covers the country from the province of Madras northeastward to the Himalayas; within this region the pressure ranges from 29.77 (756.1) to 29.8 (756.9); in other parts of the country it ranges from 29.8 (756.9) to 29.9 (759.4).

Four areas of barometric maxima appear on the chart and occupy, respectively, Asia, eastern Europe, the Atlantic, and the Hudson Bay region and Labrador. The first, 30.3 (769.6), covers that part of Siberia lying between the meridians of 75° and 105° E. and the parallels of 45° and 55° N; in other parts of Asia north of the thirty-second parallel, the mean pressure is not less than 30.0 (762.0 . In southwest Niphon it is above 30.0 (762.0), but in the rest of Japan it varies between that amount and 29.9 (759.4). The second area of high barometer extends from about 35° east of Greenwich, southeastward and eastward to the Ural region and is inclosed by the isobar for 30.3 (769.6); in other parts of Russia except the Black Sea region, the mean pressure is above 30.1 (764.5); in western Europe it is below 30.0 (762.0). The third area, 30.2 (767.1), covers the Atlantic between the meridians of 30° and 50° W. and the parallels of 20° and 35° N.; from Florida and the West Indies eastward to 20° W. the pressure exceeds 30.1 (764.5). The fourth area occupies Hudson's Bay and northern Labrador, the mean pressure over those regions exceeding 30.1 (764.5). In the United States, except the Pacific districts, Arizona, and New Mexico, the mean pressure ranges from 30.0 (762.0) to 30.08 (764.0); in the above-mentioned districts it ranges from 29.9 (759.4) to 29.98 (761.5). In eastern Canada it varies from 29.95 (760.7) to 30.0 (762.0).

On comparison with the chart for the preceding month, (February, 1884), it will be seen that the low area which occupied Greenland and Iceland has moved in a southwesterly direction, and, while there has been an increase of pressure over the regions to the eastward of the low area, the pressure has decreased to the southwestward. Over the Atlantic ocean south of N. 40° there has been no material change, except near the northwestern coast of Africa, where the pressure is less than in the preceding month. In the United States the high area which occupied the northwest in February has apparently moved northeastward with decreasing pressure, while a general decrease of pressure has occurred in all districts. In Canada there has been a marked decrease. In Europe the pressure has increased in the British Isles, the northern peninsulas, and Russia, the increase being greatest in Russia and Scandinavia, where it averaged .15 inch. In all other parts of Europe there has been a decrease of pressure, greatest in Austria, Italy and Spain, and least in France and Germany. In eastern Asia there has been a slight decrease of pressure, while an increase has occurred in the western part of the continent. In British India the pressure is about .13 inch less than in the preceding month.

Compared with the corresponding month of previous years, the mean atmospheric pressure was below the normal in that part of the United States lying west of the Mississippi river; in the eastern sections of the country it was slightly above the normal; in Canada it was also above the normal. In Europe it was greatly above the normal in the northern and eastern divisions of the continent; in France, Spain and the British Isles it was slightly below the normal.

The following table gives the mean pressure and mean temperature, with corresponding departures for March, 1884, in the several countries of the northern hemisphere, compared with the means as determined from observations taken during the last seven years:

Countries.	Mean pressure.			Mean temperature.		
	March mean of 7 (1877-'83) years.	March 1884.	Departure.	March mean of 7 (1877-'83) years.	March 1884.	Departure.
				°	°	°
Algeria	30.07	29.96	− 0.11	62.3	60.9	− 1.4
Austro-Hungary	29.94	30.01	+ 0.07	44.3	47.6	+ 3.3
British Isles	29.95	29.88	− 0.07	45.5	47.5	+ 2.0
Denmark	29.87	30.01	+ 0.14	39.0	40.4	+ 4.4
France	30.01	29.98	− 0.03	51.9	54.2	+ 2.3
Germany	29.96	30.02	+ 0.06	41.3	46.5	+ 5.2
India*	29.81	29.81	normal	84.3	86.1	+ 1.8
Italy	29.95	29.97	+ 0.02	54.6	56.7	+ 2.1
Norway	29.74	29.98	+ 0.24	31.9	38.9	+ 4.0
Portugal	30.05	.....	.....	58.8	.....	.....
Russia	29.86	30.20	+ 0.34	33.6	31.4	− 2.2
Spain	30.04	29.95	− 0.09	58.1	56.2	− 1.9
Sweden	29.75	30.13	+ 0.38	30.0	34.6	+ 4.6

* Means of six years only.

The accompanying table shows the deviations in pressure and temperature at isolated stations during the month of March, 1884, as compared with the means for seven years:

Stations.	Mean pressure.			Mean temperature.		
	Mar. mean of 7 (1877-'83) years.	March 1884.	Departure.	Mar. mean of 7 (1877-'83) years.	March 1884.	Departure.
				°	°	°
Gibraltar	30.05	29.97	− 0.08	61.8	59.8	− 2.0
Malta, Mediterranean Sea	29.96	29.92	− 0.04	61.2	59.6	− 1.6
Sandwick Manse, Orkney Islands	29.80	29.74	− 0.06	39.9	43.7	+ 3.8
Bridgetown, Barbadoes	30.00	30.04	+ 0.04	80.8	79.4	− 1.4
Cape Town, Cape of Good Hope	.....	.....	.....	.....	47.7	.....
Fort Napier, Natal, South Africa	29.88	29.90	+ 0.02	77.2	76.3	− 0.9
Freetown, Sierra Leone	29.88	.....	.....	80.9	.....	.....
Mauritius, Indian Ocean	29.94	29.92	− 0.02	81.0	80.2	− 0.8
Melbourne, New South Wales	30.06	30.13	+ 0.07	62.5	60.8	− 1.7
Nassau, Bahamas	30.11	30.15	+ 0.04	72.6	74.4	+ 1.8
Godthaab, Greenland	29.70	29.58	− 0.18	18.4	7.2	−11.2
Stykkisholm, Iceland	29.67	29.43	− 0.24	27.4	35.6	+ 8.2
Thorshavn, Faroe Islands	29.70	29.67	− 0.09	38.4	43.7	+ 5.3
Zi-Ka-Wei, China	30.24	30.15	− 0.09	44.2	44.8	+ 0.6
Athens, Greece	29.98	30.02	+ 0.04	58.7	59.2	+ 0.5
Cagliari, Sardinia, Italy	29.93	.....	.....	58.8	.....	.....
Tokei, Japan*	30.03	30.00	− 0.03	42.3	42.1	− 0.2
Angra, Azores*	30.10	.....	.....	58.0	.....	.....
Funchal, Madeira Islands	30.13	30.08	− 0.05	63.6	62.2	− 1.4
Ponta Delgado, Azores	30.16	30.17	+ 0.01	60.7	60.4	− 0.3
Archangel, Russia	29.64	30.11	+ 0.47	22.5	25.2	+ 2.7
Tiflis, Russia	29.97	30.10	+ 0.13	52.8	48.0	− 4.8
Astrakhan, Russia	29.98	30.22	+ 0.24	40.7	37.2	− 3.5
Ekaterinburg, Russia	29.92	30.24	+ 0.32	26.4	23.0	− 3.4
Tashkend, Toorkistan, Asia	30.12	30.14	+ 0.02	54.3	47.5	− 6.8
Barnaul, Siberia, Asia	30.24	30.33	+ 0.09	23.8	9.0	−14.8
Yeniseisk, Siberia, Asia	30.20	30.28	+ 0.08	23.5	10.8	−12.7
Pekin, China	30.20	30.17	− 0.03	42.6	38.7	− 4.1
Nikolaevsk on the Amoor, Asia	.....	.....	.....	8.3	4.1	− 4.2
San Juan de Puerto Rico, W. I*	30.07	30.10	+ 0.03	75.5	74.1	− 1.4
Beirut, Turkey in Asia	29.98	29.96	− 0.02	64.2	63.0	− 1.2
Mexico, Mexico*	30.19	.....	.....	59.1	.....	.....
Havana, Cuba, W. I	30.06	30.11	+ 0.05	72.2	69.5	− 2.7
Paramaribo, D. Guiana, S. A	30.02	30.01	+ 0.02	79.1	76.3	− 2.8
York Factory, B. A	30.13	30.08	− 0.05	−13.9	−25.7	−11.8

* Means for six years only.

In the United States the mean temperature of the air was slightly above normal in the districts from the Rio Grande river northeastward to New England, not including the lake region. In the lake region and in all other districts of the United States the temperature was below the normal. In Canada it was about normal. In the European continent the mean temperature was everywhere above the normal except in Russia and the Iberian peninsula, where there was a deficiency of about 2°. In British India the highest mean temperature reported was, 94°.9 Fahr. (34°.9 C.), at Bellary, and the lowest was, 71°.2 Fahr. (21°.8 C.), at Sibsagar.

The following are some of the extreme mean temperatures reported at isolated stations:

Highest.	Fahr.	Cent.	Lowest.	Fahr.	Cent.
	°	°		°	°
Manila, Philippine Islands	79.6	26.4	York Factory, B. A.	−25.7	−32.1
Bridgetown, Barbadoes, W. I.	79.4	26.3	Fort Chimo, B. A	−12.7	−24.8
Bluefields, Nicaragua, C. A.	79.3	26.3	Upernavik, Greenland	− 9.8	−23.2
Puerto Berrio, U.S. Colombia, S. A	77.0	25.0	Akmolinski, Siberia	6.1	−14.2
Paramaribo, Dutch Guiana, S. A.	76.3	24.6	Nertschinsk, Siberia	6.6	−14.1

In the United States the prevailing winds were as follows: In the south Atlantic states and along the Gulf coasts they were from se. to sw.; in the other districts they were mostly from w. to n. In Canada they were mostly from w. to nw. Over the Atlantic ocean the prevailing winds were w. and nw. over the region north of 40° N., from the American coasts eastward to W. 15°; between that meridian and the European coasts they were sw. Between the parallels of 30° and 40° N., and from the American coast to W. 30° they were w. and sw.; east of W. 30° they were n. and ne., south of 30° N., they were e. and ne. In Europe the winds were mostly from e. to se. and s. In Japan they were mostly n.

The precipitation during March, 1884, was less than the average in the lake region, Florida, Ohio valley, the northwest and the north Pacific coast region; in all other districts of the United States it exceeded the average, the excess being greatest in the middle and south Pacific coast districts. In Canada it was greater than the average in the eastern and less than the average in the western parts of the Dominion. In Europe the rainfall was less than the average.

STORM-TRACKS FOR MARCH, 1884.

On chart iii. are shown the paths of the principal barometric depressions that have appeared in the northern hemisphere during the month of March, 1884. The data are charted for each day of the month on the maps accompanying each issue of the "INTERNATIONAL BULLETIN," and from these charts, together with abstracts of ship's logs and other miscellaneous data on file at this office, are traced the movements of the centres of barometric minima. This chart continues the series of international charts begun in November, 1877.

The paths of forty-three depressions are shown on the chart, and are distributed, geographically, as follows:

In the North American continent there appeared fourteen depressions; of these, six, viz.: numbers iii., v., vii., ix., x., and xiii., moved from the Pacific coast in an easterly or southeasterly direction to the central portions of the United States and thence northeastward over the region east of the Mississippi river, and over Canada, to the Atlantic. Two depressions appeared in the Gulf of Mexico, and moved northeastward over the south Atlantic states into the ocean; three developed in the United States east of the Rocky mountains, and passed eastward to the coast line; two appeared in the Northwest Territory of British America; one of these moved southeastward to the lake region, and thence eastward to the Gulf of Saint Lawrence, while the other passed eastward over Manitoba; one disturbance appeared in northern Labrador.

Fourteen depressions are traced over the north Atlantic ocean; of these, seven (numbers xvi., xix., xx., xxi., xxii., xxiii., and xxv.) are continuations of storms which entered the Atlantic from the American coasts. Number xv. was a depression which entered the Atlantic at the close of the preceding month; it moved north-northeastward and disappeared north of Iceland; the disturbances shown as xv*a*, and xv*b*. were subsidiary thereto and occupied the neighborhood of the British Isles. Numbers xvii. and xxiv. developed in Greenland and moved southeastward to the northwestern coasts of Europe; xviii. appeared near N. 55°, W. 40°, and moved to the British coasts; xx*a*. was subsidiary to low area xx. and moved northeastward over the British Isles, while the latter passed far to the northward.

Of the ten depressions that are traced in Europe, six are shown in the southern districts, south of 45° north latitude; one appeared over the North Sea and moved to Scandinavia, and three are shown in Russia.

Eight depressions are traced over Japan and the adjacent seas, the direction of movement of these depressions being northeasterly.

As noteworthy features of the storm-track chart for March, 1884, may be mentioned: 1st.—The unusual frequency of storms on the Pacific coast of North America and their southeasterly movement to the central valleys, where they curved to the northeastward.

2d.—The northerly tracks and slow erratic movements of the depressions that have traversed the North Atlantic, especially as regards those charted as numbers xvi., xix., xxi., and xxii.

3d.—The unusual number of disturbances that have appeared in the Mediterranean districts, with a corresponding decrease in the number of storms over the northern and central districts.

4th.—The frequency of depressions over Japan and the prevalence of low barometric readings in the Behring Sea.

The characteristics of the more important depressions were, briefly, as follows: low area xv. was shown on the 1st as a trough of low pressure extending from the Strait of Belle Isle northward to southern Greenland, with barometric readings below 28.8 (731.5) and attended by strong w. gales over the region south of Newfoundland and west of the forty-fifth meridian, with moderate ssw. and sw. gales to the eastward. On the 2d the low area became nearly circular in form and its centre occupied southern Greenland, the pressure remaining unchanged, while the w. gales moderated to strong variable breezes over the region to the westward of the fiftieth meridian, but increased to strong gales to the eastward of that meridian. The chart for the 3d showed number xv. near Iceland, where the pressure was 28.93 (734.8), and low area xvi., which had moved northeastward along the coast of the United States, now occupied the banks of Newfoundland, the combined systems forming a barometric trough which extended from Newfoundland northeastward to Iceland. During the 3d, subsidiary disturbances, xv*a*. and xv*b*. were formed to the southward of Iceland and caused unsettled, stormy weather in the British Isles. On the 4th, there was an increase of pressure over Iceland and the ocean between W. 15° and 40°, but, owing to the advance of low area xvi. the weather conditions remained unchanged over the region to the westward of the last-mentioned meridian. During the 5th and 6th, the region of least pressure, where the barometer read below 28.8 (731.5), occupied Greenland, while an area of high pressures, 30.4 (772.1) to 30.6 (777.2), occupied the ocean south of 45° N., this distribution of pressure causing a continuation of strong w. gales over the region to the northward. During the 7th and 8th, as low area xvi. remained in the vicinity of Iceland there was a slight increase of pressure, the barometer rising to 29.2 (741.7), but this increase was checked on the 9th when the pressure again fell to 28.7 (729.0), the decrease spreading to the northern and western districts of Europe, which had previously been occupied by an area of high barometer. On the 10th the pressure at the centre of the high area in northwestern Russia increased to 30.4 (772.1) and low area xvi. was apparently forced to the southward and westward, the high area of the Atlantic giving way before its advance.

From the 10th till the 17th, the pressure over the Atlantic ocean, in connection with the advance of low areas xix. and xx., remained below 29.0 (7 6.6) and during this period stormy and unsettled weather prevailed over the ocean; at the same time, an area of high barometer occupied eastern Europe, while small, subsidiary low areas traversed the western parts of the continent. On the 17th the high area referred to began to give way and was pushed southward in advance of low area xxxi., which had appeared in the district of Archangel, and the depressions which had occupied the Atlantic now moved towards the northern coasts of Europe. On the 20th an area

of relatively high pressures occupied the Bay of Biscay and during the succeeding days it spread northward, occupying Scandinavia on the 24th and 25th; from the latter date until the close of the month the high area occupied the northern districts of Europe, while the Mediterranean districts were traversed by moderate depressions, and the disturbances from the Atlantic were forced to the northward and westward. On the 31st, low area xxiv., which had moved from the Arctic regions by a course nearly due south, was off the western coast of Ireland, with pressure at the centre about 29.1 (739.1). The storms which passed over the United States are described under "Areas of low barometer," and special barometric observations in connection with those over the Atlantic ocean will be found under "North Atlantic storms" in the MONTHLY WEATHER REVIEW for March, 1884.

In the depressions which passed over Japan the barometer ranged from 29.3 (744.2) to 29.6 (751.8); strong winds to moderate gales with rain or snow accompanied these depressions, and as they moved northeastward the pressure generally decreased, frequently falling below 29.0 (736.6) over Behring Sea.

INTERNATIONAL POLAR OBSERVATIONS.

The following observations, August 9, 1883, to June 21, 1884, are furnished by the co-operation of 1st Lieut. A. W. Greely, 5th U. S. Cavalry, Acting Signal Officer and Assistant, commanding Lady Franklin Bay Expedition, through Brig. and Brevet Major General W. B. Hazen, Chief Signal Officer, U. S. Army, on behalf of the International Polar commission, being a series of observations taken after the abandonment of the station at Fort Conger, August 9, 1883, in the retreat of the party to Cape Sabine.

All barometer readings are corrected and reduced to sea-level; from August 9th to November 5th, 1883, an aneroid was used, at all other dates, a mercurial.

All time mentioned refers to Washington time.

During November and December, 1883, and January, 1884, the barometric readings were taken at 7 a. m., and balance of report at 11 a. m.

Date.	Hour.	Barometer.	Temperature.	Wind.	Velocity.	Weather.	Minimum.	Approximate position and remarks.
1883.								
Aug. 10	3 p. m.	29.77	.....	ne.	light	cloudy ...	.....	N. 81° 32′, W. 64° 30′.
11	12 m ...	30.01	.....	.....	.....	.....	.....	
12	.....	.....	.....	.....	.....	.....	.....	
13	.....	.....	.....	.....	.....	.....	.....	
14	.....	.....	.....	.....	.....	.....	.....	
15	9 a. m..	29.69	30.3	ne.	brisk	clear.....	.....	
16	7 a. m..	29 48	28.0	ne.	brisk	snowing.	.....	N. 80° 44′, W. 64° —′.
17	7 a. m..	29.45	28.0	ne.	fresh	I't snow..	.....	Do.
18	7 a. m..	29.65	29.0	sw.	light	I't snow.	.....	Do.
19	7 a. m..	29.09	30.3	ne.	light	cloudy ...	.....	N. 80° 20′, W. 68° 40′.
20	7 a. m..	29.89	29.0	sw.	fresh	fair.....	.....	N. 80° 17′, W. 69° 00′. *Interpolated.
21	7 a. m..	30.02	30.2	nw.	light	cloudy ...	.....	N. 80° 07′, W. 70° 10′.
22	7 a. m..	29.91	33.0	sw.	light	cloudy ...	.....	N. 80° 05′, W. 70° 30′.
23	7 a. m..	29.85	34.3	sw.	light	I't snow..	.....	N. 79° 55′, W. 70° 40′.
24	10 a. m	29.92	36.8?	ne.	light	I't snow..	.....	N. 79° 50′, W. 71° 00′.
25	7 a. m..	29.75	35.0	sw.	fresh	foggy	.....	N 79° 46′, W. 7.° —′. *Interpolated.
26	7 a. m..	29.85	27.3	sw.	light	foggy ..	.....	N. 79° 33′, W. 73° 20′.
27	8 a. m..	29.84	24.8	n.	light	clear.....	.....	N. 79° 22′, W. 73° —′. *Interpolated.
28	7 a. m..	29.74	24.1	calm	o	cloudy ...	.....	N. 79° 22′, W. 73° —′.
29	8 a. m..	29.91	29.3	calm	o	cloudy ...	.....	Do.
30	8 a. m..	29.95	17.0	calm	o	clear.....	.....	Do.
31	8 a. m..	30.00	28.2	ne.	light	I't snow..	.....	Do.
Sept. 1	7 a. m..	30.00	29.0	calm	o	cloudy ...	.....	N. 79° 10′, W. 73° 45′.
2	7 a. m	29.80	27.0	w.	light	cloudy ...	.....	Do.
3	7 a. m..	29.58	27.8	calm	o	cloudy ...	.....	N. 79° 10′, W. 74° —′.
4	7 a. m..	29.45	26.0	calm	o	cloudy ...	.....	N. 79° 13′, W. 74° 40′.
5	7 a. m..	29.41	27.7	nw.	light	cloudy ...	.....	N. 79° 10′, W. 74° 42′.
6	7 a. m..	29.29	24.8	se.	light	cloudy ..	.....	N. 79° 07′, W. 74° 45′.
7	7 a. m..	29.15	22.5	ne.	high	cloudy ...	.....	Do.
8	7 a. m..	29.41	12.0	ne.	light	clear.....	.....	Do.
9	7 a. m..	29.59	17.5	ne.	gentle	I't snow..	.....	Do.
10	7 a. m..	29.63	13.9	nw.	light	I't snow..	.....	Do.
11	8 a. m..	29.41	13.5	n.	fresh	I't snow..	.....	N. 76° 50′, W. 74° 45′.
12	8 a. m..	29.59	17.0	n.	light	cloudy ...	.....	
13	7 a. m..	29.69	9.0	nw.	light	fair.....	.....	Near Cape Sabine.
14	7 a. m..	29.69	18.5	nw.	gentle	cloudy ...	.....	Do.
15	7 p. m..	30.07	27.2	s.	light	cloudy ...	.....	Do.
16	10 a. m	30.08	17.0	calm	o	fair.....	.....	Do.
17	11 a. m	30.14	14.8	sw.	light	clear.....	.....	Do.
18	6 a. m..	29.94	11.0	nw.	gentle	clear.....	.....	Do.
19	8 p. m..	29.86	23.0	sw.	fresh	fair.....	.....	Do.

Date.	Hour.	Barometer.	Temperature.	Wind.	Velocity.	Weather.	Minimum.	Approximate position and remarks.
1883.								
Sept. 20	10 a. m	30.03	21.5	nw.	fresh	foggy	.....	Near Cape Sabine.
21	9 a. m..	29.52	24.0	calm	o	I't snow..	.....	Do.
22	4 p. m..	29.80	10.8	n.	light	cloudy ...	.....	Do.
23	12 m ...	29.86	16.0	ne.	fresh	I't snow..	.....	Do.
24	9 a. m..	29.74	10.5	nw.	light	cloudy ...	.....	Do.
25	10 a. m	29.83	12.5	ne.	brisk	cloudy ...	.....	Do.
26	7 a. m..	.....	.....	.....	.....	.....	.....	N. 78° 28′, W. 75° 20′. Violent nw. gale all day; temperature about 15°.
27	7 a. m..	.....	.....	.....	.....	.....	.....	N. 78° 28′, W. 75° 20′. Violent nw. gale all day.
28	7 a. m..	.....	.....	.....	.....	.....	.....	N. 78° 28′, W. 75° 20′. Clear, high nw. wind abating in p. m.
29	9 a. m..	.....	16.8	calm	o	clear.....	.....	N. 78° 28′, W. 75° 20′.
30	11 a. m	30.12	23.0	sw.	fresh	fair.....	.....	Do.
Oct. 1	9 a. m..	30.09	25.0	s.	brisk	cloudy ...	19.5	N. 78° 30′, W. 75° 20′.
2	11 a. m	.....	24.0	calm	o	cloudy ...	.....	Do.
3	11 a. m	.....	.....	.....	.....	cloudy ...	.....	Do.
4	5 p. m..	29.98	9.7	n.	light	fair.....	.....	Do.
5	9 a. m..	29.72	17.0	calm	o	cloudy ...	7.0	Do.
6	2 p. m..	29.01	16.0	nw.	.....	cloudy ...	3.0	Do.
7	9 a. m..	30.02	15.0	sw.	light	cloudy ...	12.8	Do.
8	10 a. m	30.15	14.0	sw.	light	cloudy ...	12.5	Do.
9	9 a. m..	30.18	13.5	calm	o	cloudy ..	4.0	Do.
10	9 a. m..	30.31	1.2	nw.	light	I't snow..	3.0	Do.
11	6 a. m..	30.50	— 3.0	calm	o	fair.....	— 7.0	Do.
12	6 a. m..	30 43	— 8.5	calm	. o	clear.....	—12.5	N. 78° 48′, W. 74° 40′.
13	.....	.....	.....	.....	.....	.....	.....	N. 78° 48′. W. 74° 40′. Cl'dy day, occasional snow.
14	6 a. m..	29.90	9.0	sw.	light	cloudy ...	7.0	N. 78° 46′, W. 74° 20′.
15	6 a. m..	.....	2.0	calm	o	fair.....	1.5	Camp Clay near Cape Sabine, Ellesmere Land (N. 78° 47′, W. 74° —′) until June 22, 1884.
16	7 a. m..	.....	3.0	ne.	fresh	I't snow..	1.5	
17	11 a. m	.....	.....	.....	brisk	cloudy ...	— 6.5	
18	9 a. m..	.....	— 0.5	nw.	light	I't snow..	— 0.5	
19	8 a. m..	.....	—11.0	calm	o	.....	—11.0	
20	8 a. m..	.....	2.5	nw.	fresh	cloudy ...	—13.0	
21	11 a. m	.....	.....	w.	light	fair	— 3.5	
22	11 a. m	.....	.....	.....	fresh	snowy ...	.....	
23	11 a. m	.....	.....	nw.	light	cloudy ...	—16.0	
24	11 a. m	.....	— 1.5	nw.	fresh	snowy ...	— 5.5	
25	11 a. m	.....	— 1.5	w.	light	snowy ...	— 4.0	
26	11 a. m	29.85	.....	w.	light	cloudy ..	—15.0	
27	11 a. m	30.08	—16.0	.....	.....	foggy	—20.5	
28	12 m ...	29.91	— 2.0	.....	fresh	h'y snow	—17.5	
29	11 a. m	30.05	.....	.....	.....	.....	5.0	
30	11 a. m	29.84	.....	w.	light	cloudy ...	— 8.0	
31	11 a. m	29.85	2.0	calm	o	clear.....	2.0	
Nov. 1	11 a. m	29.70†	— 3.0	nw.	light	fair.....	— 4.0	†7 a.m.
2	11 a. m	29.74	— 8.0	nw.	light	cloudy ..	— 9.2	
3	11 a. m	29.70	—13.0	nw.	light	clear.....	—13.0	
4	11 a. m	29.61	—20.0	calm	o	clear.....	—25.7	
5	11 a. m	29.63	— 9.0	calm	o	clear.....	—20.0	
6	11 a. m	29.57	—17.0	nw.	fresh	clear.....	—21.0	
7	11 a. m	29.77	—20.3	.....	.....	.....	—20.3	
8	11 a. m	29.85	—29.0	s.	light	cloudy ...	—31.5	
9	11 a. m	30.06	—23.5	calm	o	clear.....	—30.0	
10	11 a. m	30.04	—16.0	sw.	fresh	cloudy ...	—23.5	
11	11 a. m	29.92	—19.0	sw.	fresh	clear.....	—28.0	
12	11 a. m	29.78	—24.0	calm	o	clear.....	—34.5	
13	11 a. m	29.68	—27.0	calm	o	clear.....	—33.8	
14	11 a. m	29.63	—19.0	w.	fresh	cloudy ...	—30.0	
15	11 a. m	29.61	—35.0	w.	fresh	clear.....	—38.2	
16	12 m ...	29.69	—12.0	.....	fresh	cloudy ...	—22.0	
17	12 m ...	29.61	—12.0	w.	light	cloudy ...	—28.0	
18	11 a. m	29.43	—12.0	w.	light	cloudy ...	—14.0	
19	11 a. m	29.48	—30.2	calm	o	cloudy ...	—5.2	
20	11 a. m	29.86	—10.0	calm	o	cloudy ...	—32.0	
21	11 a. m	29.99	—14.0	w.	fresh	cloudy ...	—23.5	
22	11 a. m	29.98	—23.2	calm	o	clear.....	—28.0	
23	11 a. m	29.90	—24.0	calm	o	cloudy ...	—41.2	
24	11 a. m	30.01	— 21.0	calm	o	cloudy ...	—26.0	
25	11 a. m	30.19	—23.0	calm	o	cloudy ...	—25.0	
26	11 a. m	30.27	—34.8	w.	light	clear.....	—36.5	
27	11 a. m	30.41	—32.5	w.	fresh	clear.....	—43.5	
28	11 a. m	30.86	—11.0	w.	light	clear.....	—34.0	
29	11 a. m	30.73	— 5.0	w.	light	cloudy ...	—15.0	
30	11 a. m	30.61	3.0	.....	.....	cloudy ...	— 5.0	
Dec. 1	11 a. m	29.24†	— 6.0	w.	light	cloudy ...	— 7.2	Violent easterly gale in evening. †7 a.m.
2	11 a. m	30.09	.....	e.	gale	cloudy ...	.....	
3	11 a. m	30.39	.....	w.	brisk	cloudy ...	.....	
4	11 a. m	29.97	— 8.0	w.	brisk	cloudy ...	.....	
5	11 a. m	29.52	5.0	w.	brisk	cloudy ...	.....	
6	11 a. m	29.54	—10.0	w.	brisk	cloudy ...	.....	
7	11 a. m	29.50	—21.0	w.	brisk	clear.....	.....	
8	11 a. m	29.75	—24.0	w.	brisk	clear.....	.....	
9	11 a. m	29.95	—19.0	w.	brisk	clear.....	.....	Strong westerly gale all day
10	11 a. m	29.86	—27.0	w.	fresh	clear.....	.....	
11	11 a. m	29.92	—20.0	calm	o	clear.....	.....	
12	11 a. m	30.04	—25.0	w.	light	clear.....	.....	
13	11 a. m	29.78	—23.0	w.	light	.....	.....	
14	11 a. m	29.90	—17.0	calm	o	clear.....	.....	
15	11 a. m	30.16	—17.0	w.	brisk	cloudy ...	.....	Light snow.
16	11 a. m	29.83	—21.0	.....	brisk	.....	.....	
17	11 a. m	29.46	—13.0	calm	o	cloudy ...	.....	
18	11 a. m	30.03	—17.0	calm	o	clear.....	.....	
19	11 a. m	29.97	—21.0	w.	brisk	clear.....	.....	
20	11 a. m	29.75	—25.3	calm	o	clear.....	.....	
21	11 a. m	29.63	—29.0	calm	o	clear.....	.....	
22	11 a. m	29.69	—29.0	calm	o	clear.....	.....	
23	11 a. m	29.80	—24.5	.....	fresh	cloudy ...	.....	
24	11 a. m	29.78	—22.5	w.	light	clear.....	.....	

Date.	Hour.	Barometer.	Temperature.	Wind.	Velocity.	Weather.	Minimum.	Remarks.
1883.								
Dec. 25	11 a. m	29.85	—35.5	calm	0	clear		
26	11 a. m		—34.8	calm	0			
27	11 a. m	30.21	—39.5	calm	0	clear		
28	11 a. m	30.06	—35.0	w.	light	clear		[night.
29	11 a. m	30.14	—31.5	calm	0	fair		Heavy westerly gale last
30	11 a. m	30.05	—21.2	e.	brisk	cloudy		Easterly gale began at noon
31	11 a. m	30.09	—20.5	e.	brisk	cloudy		
1884.								
Jan. 1	11 a. m	30.64†	—32.0	calm	0	clear		†7 a.m.
2	11 a. m	30.75	—28.0	w.	light	clear		
3	11 a. m	30.05	—31.0	w.	light	clear		
4	11 a. m	30.11	—34.0	w.	brisk	cloudy		
5	11 a. m	29.60	—25.2	w.	brisk	cloudy		
6	11 a. m		—24.0	w.	light	clear		
7	11 a. m	29.24	—31.0	w.	light	clear		
8	11 a. m	29.07	—28.0	w.	light	clear		
9	11 a. m	29.14	—29.1	calm	0	clear		
10	11 a. m	29.96	—28.5	calm	0	cloudy		
11	11 a. m	30.06	—21.0	w.	light	clear		
12	11 a. m	29.56	—18.5	w.	light	clear		
13	11 a. m	29.58	—21.0		fresh	cloudy		Light snow in evening.
14	11 a. m	29.87	—18.5		fresh	cloudy		
15	11 a. m	30.01	—27.5	w.	light	clear		
16	11 a. m	29.78	—21.3	w.	light	cloudy		
17	11 a. m	29.55	—36.0	calm	0	cloudy		
18	11 a. m	29.55	—40.0	calm	0	clear		
19	11 a. m	29.54	—42.0	calm	0	clear		
20	11 a. m	29.69	—42.0	calm	0	cloudy		
21	11 a. m	29.95	—34.0	w.	light	clear		
22	11 a. m	29.99	—25.7	w.	light	clear		
23	11 a. m	29.93	—20.2		fresh	cloudy		
24	11 a. m	29.98	—20.2	w.	light	clear		
25	11 a. m	29.89	—22.0	w.	light	clear		
26	11 a. m	29.89	—25.0	calm	0	clear		
27	11 a. m	29.89	—35.0	calm	0	clear		
28	11 a. m	29.89	—38.2	calm	0	clear		
29	11 a. m	29.89	—32.0	calm	0	clear		
30	11 a. m	29.75	—35.0	calm	0	cloudy		
31	11 a. m	29.54	— 6.0		light	cloudy		
Feb. 1	7 a. m..	29.38	—15.5	w.	light	cloudy		
2	7 a. m..	29.30	—19.0	w.	light	cloudy		
3	7 a m..	29.38	—26.0	w.	brisk	fair		
4	7 a. m..	29.75		w.	light	cloudy		
5	7 a. m..	29.94	—20.0	calm	0	cloudy		
6	7 a. m..	29.95	—20.2	se.	fresh	cloudy		Snow at intervals.
7	7 a. m..	29.85	—27.5	w.	light	clear		
8	7 a. m..	29.79	—36.4	calm	0	clear		
9	7 a. m..	29.94	—38.5‡	calm	0	clear		†9 a. m.
10	7 a. m..	29.91	—36.5‡		light	clear		
11	7 a. m..	29.07	—36.0	w.	light	cloudy		
12	7 a. m	29.62	—42.0	calm	0	clear		Below —42° all day.
13	7 a. m..	29.75	—34.0	w.	light	clear		
14	7 a. m..	29.60	—28.0‡	calm	0	clear		‡8 a. m.
15	7 a. m..	30.10	—25.3	w.	fresh	clear		
16	7 a. m..	29.56	—21.2	w.	fresh	clear		
17	7 a. m	29.25	—12.5	w.	light	clear		
18	7 a. m..	29.37	— 6.5	calm	0	clear		
19	7 a. m..	29.51	8.5	s.	gale	clear		
20	7 a. m..	29.67	—11.2	w.	light	cloudy		
21	7 a. m..	29.95	— 4.0	calm	0	cloudy		
22	7 a. m..	29.37	—11.0	w.	fresh	cloudy		Light snow.
23	7 a. m..	29.95	— 4.5	s.	brisk	cloudy		Snowy.
24	7 a. m..	29.95	—11.2	w.	brisk	cloudy		Light snow.
25	7 a. m..	29.35	—16.1	w.	brisk	cloudy		
26	7 a. m..	29.79	—10.0	calm	0	cloudy		
27	7 a. m..	29.88	—22.0	calm	0	clear		
28	7 a. m..	29.79	—24.2	calm	0	cloudy		
29	7 a. m..	29.89	—30.5					
Mar. 1	7 a. m..	29.91	—35.0	w.	fresh	clear		
2	7 a. m..	29.55	—22.5	w.	brisk	clear		
3	7 a. m..	29.69	—27.5	w.	high	clear		Blinding drift.
4	7 a. m..	30.00	—21.5	w.	fresh	cloudy		
5	7 a. m..	29.87	—22.0	w.	fresh	fair		
6	7 a. m..	29.44	—20.8	w.	fresh	clear		
7	7 a. m..	29.40	—15.4	calm	0	clear		
8	7 a. m..	29.28	— 3.0	se.	gale			
9	7 a. m..	29.57	—10.0	se.	fresh			
10	7 a. m..	29.79	— 9.5	se.	fresh	fair		
11	7 a. m..	29.83	—19.1	calm	0	clear		Thermometer exposed to
12	7 a. m..	29.86	—25.1‖	w.	light	cloudy		sun at noon indicated
13	7 a. m..	29.72	—21.0‖	calm	0	clear		—12° Fahrenheit.
14	7 a. m..	39.80	—27.2	calm	0	clear		
15	7 a. m..	29.92	—30.8‖	calm	0	clear		‖6 a. m.
16	7 a. m..	30.09	—34.7‖	calm	0	clear		
17	7 a. m..	29.90	—25.0‖	w.	fresh	cloudy		
18	7 a. m..	29.53	—16.0‖	ne.	fresh	cloudy		
19	7 a. m..	29.73	—16.3‖	w.	fresh	cloudy		Snow at intervals.
20	7 a. m..	29.97	—20.0‖	w.	fresh	clear		
21	7 a. m..	29.97	—19.8‖	w.	fresh	cloudy		
22	7 a. m..	29.95	—14.0‖	w.	light	cloudy		Snow at intervals.
23	7 a. m..	29.79	—25.5‖	w.	light	clear		
24	7 a. m..	29.75	—23.0*	w.	light	clear		*5 a.m.
25	7 a. m..	29.71	—28.0‖	w.	light	clear		
26	7 a. m	29.78	—10.0	calm	0	cloudy		
27	7 a. m..	29.87	—12.0	calm	0	fair		
28	7 a. m..	20.85	—24.0	w.	light	clear		
29	7 a. m..	30.20	— 4.5		gale	cloudy		
30	7 a. m..	30.32			gale	cloudy		
31	7 a. m..	30.36			gale	cloudy		
Apr. 1	7 a. m..	30.26	— 5.5†	calm	0	cloudy		†5 a.m.
2	7 a. m..	30.47	—13.0	w.	brisk	clear		
3	7 a. m..	30.54	—16.5‖	w.	light	clear		‡6 a.m.
1884.								
Apr. 4	7 a. m..	30.53	8.0†	calm	0	cloudy		Snowy. †5 a.m.
5	7 a. m..	30.63	—10.0‡	w.	light	clear		‡6 a.m.
6	7 a. m..	30.24	— 5.0‡	calm	0	cloudy		Do.
7	7 a. m..	30.05	— 6.0	calm	0			Heavy snow.
8	7 a. m..	30.08	13.5		brisk	cloudy		Snow.
9	7 a. m..	30.05	— 7.0		brisk	cloudy		Do.
10	7 a. m..		3.0		fresh	cloudy		
11	7 a. m..	30.03	—20.5	calm	0	clear		
12	7 a. m..	29.81	—20.0	calm	0	clear		
13	7 a. m..	30.22	— 9.0	calm	0	clear		
14	7 a. m..	30.22	—15.2	calm	0	clear		
15	7 a. m..	30.07	—10.8	w.	light	clear		
16	7 a. m..	29.80	5.0	w.	light	cloudy		Heavy snowfall.
17	7 a. m..	30.05	5.2	calm	0	clear		
18	7 a. m..	30.40	— 1.5	sw.	brisk	fair		
19	7 a. m..	30.54	4.5	w.	light	cloudy		
20	7 a. m..	30.31	— 1.5	w.	light	cloudy		
21	7 a. m..	30.18	— 0.5	w.	light	f't snow.		
22	7 a. m..	29.96	7.5	w.	brisk	cloudy		
23	7 a. m..	30.02	8.3	w.	light	fair		
24	7 a. m..	30.07	— 2.0	calm	0	clear		
25	7 a. m..	29.80	2.0	w.	fresh	cloudy		Snow.
26	7 a. m..	29.87	10	w.	light	cloudy		Do.
27	7 a. m..	29.82	8.0	calm	0	clear		
28	7 a. m..	29.87	5.3	calm	0	cloudy		
29	7 a. m..	29.97	2.0	s.	brisk	clear		
30	7 a. m..	30.04	3.0	w.	light	cloudy		
May 1	7 a. m..	30.26	10	w.	light	f't snow.		
2	7 a. m..	30.21	8.0	w.	fresh	cloudy		
3	7 a. m..	30.20	0					
4	7 a. m..		5†	w.	light	clear		†5 a.m.
5	7 a. m..	30.37	11.0	w.	light	fair		[from 3 a.m. to 1 p.m.
6	7 a. m..	30.17	15.5‡			h'y snow		‡3 p.m. Strong east wind
7	7 a. m..	29.81	14.0					Storm, early a.m.
8	7 a. m..	30.34	15.0	n.	light	cloudy		
9	7 a. m..	30.12	6.5					
10	7 a. m..	30.24	6.2					
11	7 a. m..	30.26	18.0*					*In sun.
12	7 a. m..	30.28	16.0*					
13	7 a. m..	30.23	10.0					
14	7 a. m..	30.11	12.0					
15	7 a. m..	30.12	11.0					
16	7 a. m..	30.08	12†					†5 a.m.
17	7 a. m..	30.09	12†					
18	7 a. m..	30.16	21.0†	se.		stormy		
19	7 a. m..	30.17	21.0			stormy		
20	7 a. m..	29.91	23‖					‖10 a.m.
21	7 a. m..	29.77	29.0	calm		f't snow.		
22	7 a. m..	29.65	48*	w.	light			*In sun.
23	7 a. m..	†		w.	light	clear		†Barometer broken.
24	7 a. m..		24‡					[a.m.
25	7 a. m..		26.0‖					‡6 a.m.
26	7 a. m..		26.0‡	se.	fresh	cloudy		Severe storm last night. ‖8
27	7 a. m..		24‖	se.	fresh	clear		Stormy a.m. ‡3 p.m.
28	7 a. m..			e.	light	cloudy		Violent southerly gale in p.
29	7 a. m..			se.	gale	clear		m. ‡3 p.m. [to 12 p. m.
30	7 a. m..		29.0‖	se.	fresh	snowing		High south wind from 12 m.
31	7 a. m..					h'y snow		‖10 a.m. [day.
June 1	7 a. m..		35‖			f't snow.		Violent southerly gale all
2	7 a. m..			se.	fresh	clear		‖10 a.m.
3	7 a. m..		31†	se.	fresh	fair		Fine all day.
4	7 a. m..		36.0‡	se.	fresh	clear		†8 p.m.
5	7 a. m..		31.0	calm	0	clear		‡10 a.m. Strong gale all
6	7 a. m..		31.0	calm	0	clear		last night.
7	7 a. m..		31.5	calm	0	clear		
8	7 a. m..		38.0	calm	0	clear		
9	7 a. m..		39.0	calm	0	cloudy		
10	7 a. m..		35.0	calm	0	cloudy		
11	7 a. m..		38.0	calm	0	clear		
12	7 a. m..		34.0	calm	0	clear		
13	7 a. m..		32.0	s.	gale	clear		
14	7 a. m..		37.0	calm	0	cloudy		
15	7 a. m..		30.0			f't snow.		
16	7 a. m..		37.0	nw.	fresh	cloudy		Strong nw. gale during
17	7 a. m..		34.0	w.	fresh	fair		night.
18	7 a. m..		30.5	w.	fresh	cloudy		
19	7 a. m..		34.5	calm	0	clear		
20	7 a. m..		29.0	calm	0	clear		
21	7 a. m..		31.0	s.	gale	cloudy		

GENERAL REMARKS.

DAILY BULLETIN.

All data which appear in the DAILY BULLETIN OF SIMULTANEOUS METEOROLOGICAL OBSERVATIONS are copied from the regular exchanges of this office. The barometer readings for land stations, in the first and second columns, are reduced to freezing and their respective standards; those in the third and fourth columns to sea-level. When necessary, corrections for instrumental error, temperature, and reduction to sea-level are always applied, while those for instrumental error, only when such corrections can be ascertained with close approximation, as by comparison when vessels are at or near land stations. Relative humidity generally requires computation from the hygrometrical observations. When rain has fallen, but neither the amount nor duration is recorded, the word "blank" is published in the rainfall column. The weather is generally published as given. The following symbols and abbreviations are common to all series, viz: †, aneroid; *, instrumental error not known; c., cirrus; k., cumulus; s., stratus; n., nimbus; d., scud; f., fracto; p., pallio; hz., haze; fg., fog; sk., smoke; inap., inappreciable; d. clouds, detached clouds. The movement of the air is published as given on the originals, when indicated by

velocity in miles per hour, in metres per second, or by force, all variations of the latter being reduced to the common scale of 0 to 10. Those stations reporting the movement in pounds pressure per square foot are reduced to force on the common scale, and those in kilometres per hour, to meters per second and miles per hour. The distinction between upper and lower clouds is carefully made in the United States and a portion of the Canadian series, and the various formations are indicated by the letters above given and their combinations.

All marine data are classified as to districts, which are designated as follows: District No. 1, North Atlantic; District No. 2, South Atlantic, &c., under which headings the respective reports are printed.

BOUNDARIES OF DISTRICTS.

District No. 1 comprises the Atlantic ocean, its arms and tributaries, from the equator northward to the pole, and in the Arctic from 100° E., westward to 100° W., of Greenwich.

District No. 2 comprises the Atlantic ocean, its arms and tributaries, from the equator southward to the pole, and in the Antarctic from 20° E., westward to 70° W., of Greenwich.

District No. 3 comprises the Pacific ocean, its arms and tributaries, from the equator northward to the pole, and in the Arctic from 100° W., westward to 100° E., of Greenwich.

District No. 4 comprises the Pacific ocean, its arms and tributaries, from the equator southward to the pole, and in the Antarctic from 70° W., westward to 145° E., of Greenwich.

District No. 5 comprises the Indian ocean, its arms and tributaries, from the Asiatic continent southward to the pole, and in the Antarctic from 20° E., eastward to 145° E., of Greenwich.

The following remarks relate to the individual peculiarities in the *methods* of recording, and the *times* of taking, the international simultaneous meteorological observations, under the auspices of the various meteorological bureaus.

ALGERIAN SERIES (furnished by co-operation of M. Thévenet, Director of the Meteorological Service at the College of Science of Algeria).—The originals give the barometer in millimetres reduced to sea-level; temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 10. The rainfall is measured at 7 a. m., local time, and the amount indicated in millimetres.

AUSTRALIAN SERIES (furnished by co-operation of R. L. J. Ellery, Director of the Observatory at Melbourne, N. S. W.).—At Melbourne the conversions are published as given in the originals. The movement of the air is indicated by velocity in miles per hour. Adelaide, furnished by co-operation of Charles Todd, C. M. G., F. R. A. S. The observations are taken at 9 p. m., local time. Hobart Town, furnished by Commander J. Shortt, R. N. Observations are taken at 9 p. m., local time.

AUSTRO-HUNGARIAN SERIES (furnished by co-operation of Prof. Dr. Julius Hann, Director of the Imperial and Royal Central Meteorological Institute at Vienna).—The originals give the barometer in millimeters reduced to sea-level and the temperature in Centigrade. At the following stations rainfall is measured at local time: Lemberg, 7 p. m.; Vienna, 2 p. m.; Trieste, 7 a. m. The weather is given by the Vienna symbols or in general terms.

BELGIAN SERIES (furnished by the co-operation of J. C. Houzeau, Director of the Royal Observatory at Brussels).—The originals give the barometer in millimetres reduced to sea-level; temperature in Centigrade; weather by the Vienna symbols, and occasionally in general terms. At Arlon the observations are taken at 1 p. m., local time.

BRITISH SERIES (furnished by co-operation of the Meteorological Council, London, Robert H. Scott, Esq., F. R. S., Secretary, and respective observers).—In general the originals do not give rainfall or distinction between upper and lower clouds. Relative humidity, except for Bradford and Silloth Rectory, is not given on the originals, but is computed from hygrometrical observations. At Cardington, Oxford, and Sandwick Manse the barometers are given as read off. At Greenwich the movement of the air is indicated by pounds pressure per square foot. At the following stations rainfall is measured at local time: Bradford, 9 a. m., and Aberdeen, 10 a. m. The wind-direction is given to 32 points, and weather by the Beaufort notation. At Bradford no observations are taken on Sunday, except rainfall. Hong Kong, furnished by W. Doberck, Government Astronomer, rainfall is measured at midnight.

CANADIAN SERIES (furnished by co-operation of Charles Carpmael, A. M., F. R. A. S., Director of the Magnetic Observatory at Toronto, and Superintendent of the Meteorological Office of the Dominion of Canada, and respective observers).—The originals give the barometer reduced to sea-level in English inches and the temperature in Fahrenheit. Meteorological reports from stations marked with a * are telegraphed daily to the office of the Chief Signal Officer of the Army.

CAPE COLONY SERIES (furnished by co-operation of the Meteorological Commission of Cape Colony, Cape Town, and respective observers).—At Cape Saint Francis Lighthouse, the original gives barometer reduced to freezing, but not to sea-level. The kind of clouds is given, but no distinction is made between upper and lower. Weather in general terms.

CHILIAN SERIES (by authority of the Secretary of Public Instruction, furnished by co-operation of Francisco Vidal Gormáz, President of the Central Meteorological Office at Santiago).—Observations are taken mostly at lighthouses on the coast; the originals give barometer as read off; temperature in Centigrade; humidity is not given, but is computed at this office from the hygrometrical observations.

CHINESE SERIES (furnished by co-operation of Marc Dechevrens, S. J., Director of the Meteorological Observatory at Zi-Ka-Wei).—At Zi-Ka-Wei the original gives the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is given in metres per second and the direction to 16 points. The kind of clouds is occasionally given, and the degree of cloudiness on the scale of 0 to 10; distinction between upper and lower clouds is sometimes made. The weather is given in general (French) terms. The rainfall is given in millimetres, and measured at the moment of simultaneous observation.

DANISH SERIES (furnished by co-operation of the Director of the Royal Danish Meteorological Institute at Copenhagen).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 6. The weather is occasionally given by the Vienna symbols, but it is not certain that they always refer to the moment of simultaneous observations, except at Copenhagen. No distinction is made between upper and lower clouds, and the direction of movement, together with the rainfall, is entirely omitted. At all Greenland stations the observations are taken at 8 a. m., local time.

EGYPTIAN SERIES (furnished by the co-operation of Albert Ismalun, Director of the Laboratoire Khédivial du Caire).—Original gives barometer reduced to zero, but not to sea-level, temperature in Centigrade. The velocity is the mean for past twenty-four hours. Rainfall in millimetres.

FRENCH SERIES (furnished by co-operation of the Central Meteorological Office of France, Professor E. Mascart, Director, and respective observers).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 6, except in metres per second for Montlouis and Perpignan. In general the rainfall is measured at 9 a. m., local time. The direction of upper and lower clouds is given, but no distinction is made as to kind. The degree of cloudiness is given on a scale of 0 to 4 at Clermont-Ferrand and Puy de Dôme, while at other stations the scale of 0 to 10 is employed, or general weather terms, from which the amount of cloudiness is inferred. The weather is given in general terms, except occasionally by the Vienna symbols at Montlouis and Perpignan.

GERMAN SERIES (furnished by co-operation of Prof. Dr. G. Neumeyer, Director of the German Marine Observatory at Hamburg).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 10. The kind of clouds is occasionally given, but no distinction is made between upper and lower; the amount is given on a scale of 0 to 10, but the kind is rarely given. The weather is given in Vienna symbols or in general terms.

GREEK SERIES (furnished by co-operation of Prof. D. K. Kokkides, Director of the Royal Observatory at Athens).—The original gives the barometer corrected for temperature only, and the thermometer in Centigrade. Hygrometrical observations are not given. The kind of clouds is occasionally given, and the amount is inferred from the general weather terms. The movement of the air is indicated by force on a scale of 0 to 10.

INDIAN SERIES (furnished by co-operation of H. F. Blanford, Meteorological Reporter to the Government of India, at Calcutta).—The barometric observations refer to the Calcutta standard, which requires a correction of —0.011 inch, or 0.28 mm., as compared with the Kew standard. The wind-velocity given is the average rate of wind since the observation of the preceding day. All conversions are published as given in the originals, where the data are recorded to an additional decimal. The weather is given by the Beaufort notation, Vienna symbols, or special symbols.

ITALIAN SERIES (by authority of the Minister of Agriculture, Industry, and Commerce—furnished by co-operation of Professor P. Tacchini, Director of the Central Meteorological Office, at Rome, and respective observers).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by velocity in kilometres per hour, or by force on a scale of 0 to 4, as at Mondovi, Florence, and Cagliari. No distinction is made between upper and lower clouds, and the amount is given on a scale of 0 to 10.

JAPANESE SERIES (furnished by the co-operation of the Geographical Bureau, Department of the Interior, through I. Arai, Director of the Imperial Meteorological Observatory, at Tokei).—The rainfall is measured at 9.30 a. m., local time, and the conversions are all published as given in the originals. Distinction is generally made between upper and lower clouds, and the amount is given on a scale of 0 to 10. The weather is given in general terms.

MAURITIUS SERIES (furnished by co-operation of C. Meldrum, Secretary of the Meteorological Society of Mauritius).—All conversions are published as given in the originals. The direction of the wind is given to 64 points, and the rainfall is measured at 9.30 a. m., local time.

MEXICAN SERIES (furnished by co-operation of the respective observers).—The kind of clouds is given, and also the direction and amount of both upper and lower. The degree of cloudiness is indicated on a scale of 0 to 10. Rainfall is generally measured at 6 a. m., local time.

NETHERLANDS SERIES (furnished by co-operation of Professor Buys-Ballot, Director of the Royal Meteorological Institute of the Netherlands, at Utrecht).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by pressure in kilograms per square metre, except at Hellevoetsluis, which gives force on a scale of 0 to 12. The humidity is not given on the originals, but for two stations it is computed from the hygrometrical observations. The weather is only given for Utrecht, from which the amount of cloudiness at that station is inferred. At Batavia the elevation is stated to be "a few metres."

NORWEGIAN SERIES (furnished by co-operation of Professor H. Mohn, Director of the Royal Norwegian Meteorological Institute, at Christiania).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by velocity in metres per second, or by force on a scale of 0 to 6. The weather is occasionally given by Vienna symbols. At Bergen observations upon the weather and degree of cloudiness are made at 2 p. m., local time. At Brono the observations are taken at 2 p. m., instead of 12.57 p. m.

PORTUGUESE SERIES (furnished by co-operation of J. C. de Brito Capello, Director of the Meteorological Observatory of the Infante Dom Luiz at Lisbon).—In the originals the barometer is given in millimetres and the temperature in Centigrade. The movement of the air is indicated by velocity in kilometres per hour. The weather is occasionally given by the Vienna symbols. The rainfall is measured at noon each day.

RUSSIAN SERIES (furnished by co-operation of Professor H. Wild, Director of the Imperial Central Physical Observatory of Russia at St. Petersburg).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by velocity in metres per second. No distinction is made between upper and lower clouds; the

amount is given on a scale of 0 to 10, and the kind occasionally. The weather is occasionally given by the Vienna symbols. At Astrakhan, Ashurada and Baku, the barometer-cistern is below sea-level.

SPANISH SERIES (furnished by co-operation of the Royal Observatory at Madrid, and respective observers).—The movement of the air, except for sub-series, is given in kilometres per hour. The kind of clouds is occasionally given, and the degree of cloudiness on a scale of 0 to 10. The rainfall at San Juan is measured at 10 a. m., local time, and at San Fernando at midnight. The weather is given in general (Spanish) terms.

SWEDISH SERIES (furnished by co-operation of Professor R. Rubenson, Director of the Royal Swedish Meteorological Institute, and of Professor H. H. Hildebrandsson, Director of the Meteorological Observatory of the Upsala University).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 6, except in metres per second for Upsala. The kind of clouds is not given, but the degree of cloudiness is indicated on a scale of 0 to 10. The rainfall is measured at 8 a. m , local time, and the weather is occasionally given by the Vienna symbols.

SWISS SERIES (furnished by co-operation of Prof. E. Gautier, Director of the Observatory at Geneva).—The originals give the barom ter in millimetres, corrected for temperature only, and the thermometer in Centigrade. The movement of the air is indicated by force on a scale of 0 to 10.

TURKISH SERIES (furnished by co-operation of A. Coumbary, Effendi, Director of the Central Observatory at Constantinople, and of F. Nimr, B. A., Director of the Lee Observatory at Beirut).—The originals give the barometer in millimetres reduced to sea-level. The temperature is given in Centigrade. The movement of the air is indicated by force on a scale of 0 to 7 for Valona, and on a scale of 0 to 12 for Beirut. At Constantinople the velocity is given in metres per second. The kind of clouds is not given, but the amount is indicated on a scale of 0 to 10, except at Valona, at which station it is inferred from the general weather terms. At Samakov the barometer is reduced to freezing, but not to sea-level; temperature in Fahrenheit. The kind of clouds is given, also the distinction between upper and lower.

UNITED STATES SERIES (by authority of the Secretary of War—furnished by co-operation of W. B. Hazen, Brigadier and Brevet Major General, Chief Signal Officer, U. S. Army).

UNITED STATES SUB-SERIES (furnished by co-operation of the respective observers).—The originals generally give the barometer reduced to sea-level and the temperature in Fahrenheit. At Bogota the barometer is corrected for temperature only; at Puerto Berrio, is given as read off. The movement of the air is generally indicated by velocity in miles per hour, except on a scale of 0 to 10 for Bogota, Paramaribo, and Rivas, and 0 to 12 for Puerto Berrio. The wind-direction is generally given to 16 points, except 8 points for Bogota. At Rivas the humidity is obtained by readings from Saussure's hygrometer.

BRITISH NAVAL SERIES (furnished by co-op ration of the Meteorological Council, London, Robert H. Scott, Esq., F. R. S., Secretary).—The originals give the barometer as read off. The wind-direction is given to 32 points. The movement of the air is indicated by force on a scale of 0 to 12. The distinction between upper and lower clouds is made as to direction, but not as to amount. The height of the sea-disturbance is given on a scale of 0 to 9, and the weather by the Beaufort notation. The direction of movement of wind, clouds, and sea is compass direction, corrected only for deviation caused by the iron in the ship, while the correction for magnetic variation is applied at this office. The humidity is not given, but is computed from the hygrometrical observations.

PORTUGUESE NAVAL SERIES (furnished by co-operation of J. C. de Brito Capello, Director of the Meteorological Observatory of the Infante Dom Luiz at Lisbon).—The originals give the baro eter in millimetres, corrected for temperature only, and the thermometer in Centigrade. The movement of the air is indicated by force on a scale of 0 to 10. The humidity is not given, but is computed from the hygrometrical observations. The kind of clouds is not given, but the amount is indicated on a scale of 0 to 10; the direction of movement is given without distinction between the upper and lower. The height of sea disturbance is given on a scale of 0 to 9 and the weather by the Beaufort notation. The rainfall is not measured, but the duration is generally given in hours and minutes.

UNITED STATES NAVAL SERIES (by authority of the Secretary of the Navy—furnished by co-operations of the Navy Department, through Commodore John G. Walker, U. S. N., Chief of Bureau of Navigation).—The originals give the barometer as read off. The humidity is not given, but is computed from the hygrometrical observations. The sea-swell and weather are given in general terms. The direction of the wind is compass direction, corrected for variation.

MERCHANT-MARINE SERIES (furnished by co-operation of the owners, agents, &c., of the respective lines and vessels).—Same as U. S. Naval.

INTERNATIONAL CHARTS ACCOMPANYING DAILY BULLETIN AND MONTHLY SUMMARY.

International chart i. shows isobars and isotherms charted from data as appearing in the INTERNATIONAL BULLETIN of same date, as reported by the several observers. Isobars, in continuous lines, exhibit atmospheric pressure at sea-level in English inches; isotherms, in dotted lines, exhibit temperature of the air in degrees, Fahrenheit, similarly charted.

International chart ii. (monthly mean chart), showing mean pressure at sea-level in English inches, mean temperature in degrees, Fahrenheit, mean force and prevailing direction of wind at 7 a. m., Washington mean time.

International chart iii. shows tracks of centres of low barometer. The Arabic numerals show location of the centres of low barometer at 7 a. m., Washington mean time, of that date.

In the above charts broken lines indicate that the lines so drawn are doubtful. Arrows show direction of, and fly with, the wind. Force is shown as follows:

SYMBOLS.	FORCE.	VELOCITY.	
		MILES PER HOUR.	METRES PER SECOND.
○	0	0	0
→	1, 2	0 to 9	0 to 4
→	3, 4	9.1 to 22.5	4.1 to 10.1
→	5, 6	22.6 to 40.5	10.1 to 18.1
→	7, 8	40.6 to 67.5	18.1 to 30.2
→	9, 10	67.6 up.	30.2 and over.

MONTHLY SUMMARY OF INTERNATIONAL SIMULTANEOUS METEOROLOGICAL OBSERVATIONS.

The position of stations (latitude and longitude) are obtained from Keith Johnston's "Index Geographicus," except where more exact information is furnished. The elevation of stations is obtained either from the annual, semi-annual, and monthly publications of the various meteorological bureaus here represented, or from the orignal forms upon which are entered the daily observations. In the United States series the elevations are computed from the latest surveys, and are carefully revised each month, in order to note any change in the elevation of the barometer-cistern at any station. It is belived for the most part that, throughout the European and other series, the elevations as given represent the height of the barometer-cistern above sea-level; at least, this should be the case. The local time, where omitted or not given correctly in the original, is carefully computed at this office. A letter placed opposite the name of a station or some portion of the data credited thereto, indicates that a certain number of observations are missing, corresponding to the relative position in the alphabet of the letter so used.

BRITISH SERIES, Bradford: a letter placed opposite the name of station, refers to all the data except rainfall.

OCEAN SQUARES.—The table of ocean square data shows (1) the location of the centres of squares whose sides extend 5° each in latitude and longitude (2), the the monthly mean pressure and temperature of the air, and the mean force and total frequency of the wind at 7 a. m., Washington time, computed for the centre of each square from daily readings as obtained by interpolation between the isobars and isotherms of the daily international simultaneous weather maps.

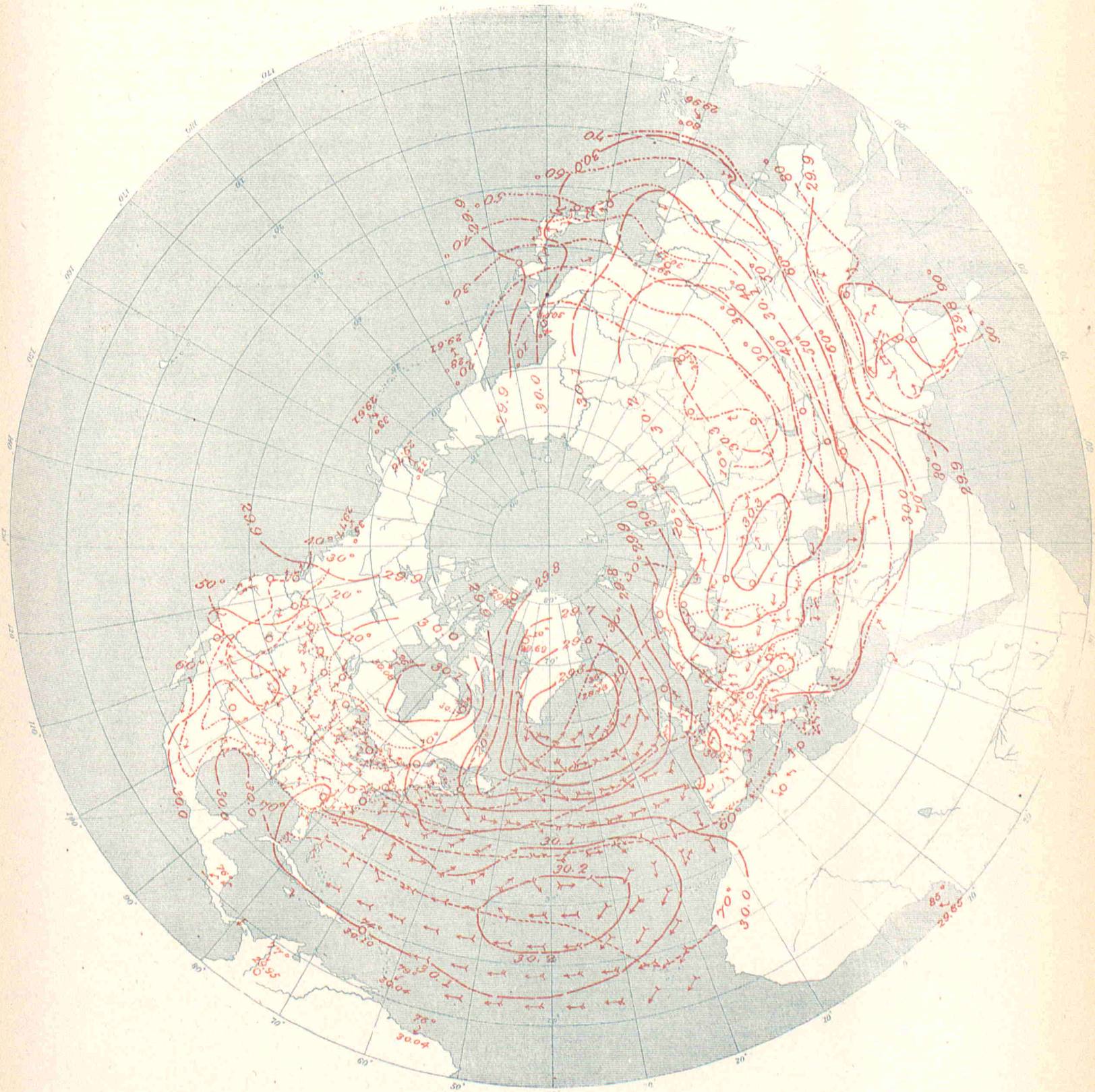
ERRATA.

DAILY BULLETIN, March 11, 1884, page 5, Montgomery, Alabama, actual barometer, 752.2 mm., should read, 758.2 mm.

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

W. B. HAZEN,
Brig. & Bvt. Maj. Gen'l,
Chief Signal Officer, U. S. A.

International Chart II. March, 1884. Isobars, Isotherms, and Winds.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

WAR DEPARTMENT,
OFFICE OF THE CHIEF SIGNAL OFFICER OF THE ARMY OF THE UNITED STATES.

BULLETIN

OF

INTERNATIONAL METEOROLOGY

FOR THE MONTH OF APRIL, 1884.

PRINTED FOR EXCHANGE WITH CO-OPERATING OBSERVERS.

WASHINGTON, D. C.:
MAY, 1885.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 1, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
ALGERIAN.																			
Nemours	.....	.....	29.82	757.4	67.3	19.6	61	se.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Koziero.
Algiers	.....	.....	29.79	756.6	62.6	17.0	76	w.	.....	.....	6	.....	0	.....	.....	0.173	4.4	clear	Thève.
La Calle	.....	.....	29.69	754.0	57.2	14.0	80	w.	.....	.....	2	.....	5	.....	.....	0.748	19.0	cloudy	Fonfrède.
Tunis	.....	.....	29.67	753.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.83	757.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.84	757.8	63.7	17.6	.....	nnw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.80	756.9	70.9	21.6	60	w.	.....	.....	3	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.03	762.8	75.5	24.2	54	nne.	10	4.5	.....	.....	5 k	.....	.....	0	0	.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.99	761.7	30.18	766.6	62	16.7	81	n.	15	6.7	.....	.....	1	.....	nnw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.01	762 2	30.10	764.5	67.2	19.6	70	ne.	7	3.1	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.34	745.3	29.89	759.1	57.2	14.0	52	ne.	.....	.....	3	.....	10	.....	.....	inap.	inap.	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.20	741.7	29.98	761.4	48.9	9.4	66	ene.	1.8	0.8	.....	.....	0	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.09	738.9	29.97	761.2	53.2	11.8	43	calm	.....	.....	0	4 cs	ks	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.71	729.1	29.96	760.9	54.1	12.3	70	nw.	.....	.....	2	.....	8	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28 52	724.4	29.95	760.7	55.0	12.8	64	se.	.....	.....	2	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.51	724.1	29.83	757.7	57.4	14.1	64	ese.	.....	.....	2	.....	0	.....	.....	0	0	clear	The Staff.
Lemberg	29.08	738.6	30.09	764.3	44.6	7.0	61	se.	.....	.....	3	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.80	756.9	29.91	759.7	57.2	14.0	83	wnw.	.....	.....	2	.....	2	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.46	748.3	.....	.....	58.3	14.6	46	e.	.....	.....	3	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.67	753.5	29.95	760.6	57.2	14.0	45	s.	.....	.....	2	.....	6	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.81	757.2	29.91	759.7	60.3	15.7	58	sw.	.....	.....	1	.....	8	.....	.....	0	0	.....	Royal Academy.
Vienna	29.23	742.5	29.94	760.5	58.1	14.5	58	se.	.....	.....	2	.....	4	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	65.3	18.5	41	sw.	.....	.....	4	.....	2	.....	.....	0	0	.....	.....
Brussels	29.55	750.6	29.74	755.5	66.4	19.1	42	sse.	.....	.....	3	.....	.....	ssw.	s.	0	0	.....	.....
Furnes	29.69	754 2	29.71	754.7	69.6	20.9	54	s.	.....	.....	1	.....	1	.....	.....	0	0	.....	.....
Maeseyck	29.67	753.5	29.79	756.7	71.4	21.9	48	sw.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.44	747.8	29.54	750.3	45.6	7.6	90	sse.	19	8.5	.....	.....	9	.....	.....	0.290	7.4	misty	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.48	748.8	49.0	9.4	64	se.	19	8.5	.....	.....	6	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	28.98	736 1	29.51	749.5	44.3	6.8	80	se.	6	2.7	.....	.....	10	.....	.....	.....	.....	raining	Thomas Mackereth.
Bradford, Yorkshire	29.14	740.1	29.54	750.3	45.9	7.7	82	sw.	.....	.....	2	.....	10	.....	.....	0.17	4.3	raining	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.00	762.0	30.03	762.7	82.0	27.8	71	e.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E.	29.48	748.8	29.65	753.1	58 0	14.4	70	sw.	.....	.....	4	.....	5	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.24	742.7	29.46	748.3	49.0	9.4	82	sse.	.....	.....	5	.....	9	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.77	705.3	30.08	764.0	65.0	18.3	48	se.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	29.62	752.3	29.86	758.4	88.0	31.1	66	e.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	29.10	739.1	29.14	740.1	43	6.1	75	sw.	.....	.....	3	.....	6	.....	.....	0.05	1.3	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.81	757.2	29.91	759 7	63.8	17.7	90	w.	.....	.....	3	.....	3	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.45	748.0	29.61	752.1	59.0	15.0	60	ssw.	.....	.....	5	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.26	743.2	29.55	750.6	52.0	11.1	86	s.	.....	.....	2	.....	10	.....	.....	0.01	0.3	raining	A. Collenette, F.R.M.S
Kew, Observatory	29.58	751.3	29.61	752.1	55.6	13.1	69	s.	24	10.7	.....	.....	8	.....	.....	.....	.....	drizzling	The Staff.
Leicester, Museum	29.27	743.4	29.53	750.0	48.0	8.9	96	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	J. C. Smith.
Malta, Mediterranean	29.59	751.6	29.67	753.6	60.8	16.0	74	e.	.....	.....	2	.....	8	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.11	764.8	30.16	766.1	74.0	23.3	63	e.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.32	744.7	29.55	750.6	51.7	10.9	86	sse.	.....	.....	6	.....	10	.....	.....	.....	.....	raining	The Staff.
Plymouth	29.41	747.0	29.48	748.8	47.7	8.7	87	se.	.....	.....	3	.....	10	.....	.....	.....	.....	raining	John Merrifield.
Sandwick Manse, Orkneys	29.36	745.7	29.46	748.3	45.9	7.7	92	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	overcast	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.88	758.9	29.95	760.7	47 8	8.8	79	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	gloomy	W. H. Lyne.
Sheffield	29.29	744.0	29.57	751.1	47.6	8.7	89	ssw.	.....	.....	1	.....	10	.....	.....	.....	.....	drizzling	W. F. Cooper.
Silloth Rectory	29.44	747 8	29.47	748.5	53.8	12.1	78	se.	.....	.....	2	.....	2	.....	.....	0.110	2.8	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.53	750.0	45.0	7.2	76	se.	13	5.8	.....	.....	10 8	.....	.....	0.062	1.6	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	53.4	11.9	83	sw	.....	.....	3.0	.....	9	.....	.....	.....	.....	raining	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.17	740.9	29.20	741.7	47.4	8.6	60	s.	28	12.5	.....	.....	9	.....	.....	.....	.....	squally	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.42	747.3	29.81	757.2	60.8	16.0	75	e.	10.6	4.7	.....	.....	10 n	.....	e.	0	0	cloudy	Rev. Jos. Micail, S.J.
Hong Kong Obs'y, China	29.96	761.0	30.08	764.0	59.6	15.3	71	nne.	21	9.4	.....	.....	10 n	.....	ne.	.....	.....	drizzling	The Staff.
CANADIAN.																			
Bathurst, N. B	29.64	752.8	29.68	753.9	34.0	1.1	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.54	750.3	29.59	751.6	31	— 0.6	90	n.	10	4.5	.....	.....	10 n	.....	.....	0.05	1.3	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.60	751.8	29.67	753.6	33	0.6	89	n.	4	1.8	.....	.....	10 s	.....	n	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.69	754.1	29.90	759.4	24.9	— 3.9	72	nw.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.64	752.8	29.69	754.1	32.5	0.3	.....	calm	.....	.....	0	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec*	29.70	754 4	29.73	755 1	28	— 2.2	88	ne.	2	0.9	.....	.....	10 k	.....	calm	0	0	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.24	742.7	30.14	765.5	14	—10.0	96	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	29.62	752.3	29.68	753.9	31.0	— 0.6	79	n.	5	2.2	.....	.....	10 n	.....	.....	inap.	inap.	snowy	Dr. Thos. Harrison.
Grand Manan, N. B	29.61	752.1	29.66	753.4	31	— 0.6	85	n.	11	4.9	.....	.....	10 s	.....	n.	0	0	cloudy	J. Chipman Seeley
Granton, Ontario	28.78	731.0	29.92	760.0	30.0	— 1.1	100	e.	2	0.9	.....	.....	10 n	.....	.....	0.200	5.1	overcast	Jas. Grant.
Halifax, N. S*	29.43	747.5	29.57	751.1	33	0.6	96	nw.	8	3.6	.....	10 k	0	.....	n.	0.100	2.5	cloudy	A. Allison.
Hamilton, Ontario	29.47	748.5	29.89	759.2	32.5	0.3	90	ne.	.....	.....	1	10 cs	0	.....	ne.	0	0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.61	752.1	29.96	761.0	28	— 2.2	77	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A
Little Glace Bay, N. S	29.39	746.5	29.43	747.5	33.0	0.6	94	ne.	2	0.9	.....	.....	10 n	.....	.....	0	0	foggy	C. H. Rigby.
London, Ontario	28.97	735.8	29.90	759.4	29.8	— 1.2	98	e.	.....	.....	2	.....	10 ks	.....	.....	0.080	2.0	overcast	E. B. Reed.
Medicine Hat, N. W. T	27.69	703 3	30.09	764.3	23	— 5.0	92	s.	1	0.4	.....	0	0	.....	.....	0	0	blue sky	John Ewart.
Minnedosa, N. W. T	28.13	714.5	30.16	766.1	23	— 5.0	96	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.68	753.9	29.90	759.4	27	— 2.8	84	w.	8	3.6	.....	0	0	.....	.....	0	0	blue sky	C. H. McLeod, C. E.
Ottawa, Ontario	29.72	754.9	29.76	755.9	19.2	— 7.1	89	W.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.25	742.9	29.98	761 5	26	— 3.3	88	ne.	6	2.7	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	Rev. E. Mosley.
Peterboro, Ontario	29.19	741.4	29.96	761.0	30.7	— 0.7	87	ne.	.....	.....	1	3 cs	0	e.	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.25	742.9	29.98	761.5	34	1.1	89	nw.	8	3.6	.....	.....	10 n	.....	.....	0.05	1.3	gloomy	W. P. Cooke.
Port Dover, Ontario	29.21	741.9	29.93	760.2	31	— 0.6	100	e	3	1.3	.....	.....	10 n	.....	.....	0.11	2.8	threatening	H. Morgan.
Port Stanley, Ontario	29.23	742.4	29.90	759.4	31	— 0.6	100	e.	6	2.7	.....	.....	10 n	.....	e.	inap.	inap.	light snow	M. Payne.
Qu Appelle, N. W. T	27.82	706.6	30.16	766.1	32	0.0	.....	calm	0	0	.....	0	0	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.41	747 0	29.78	756.4	25	— 3.9	88	calm	0	0	.....	10 c	0	.....	.....	0	0	fair	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.50	749.3	29.98	761.5	19	— 7.2	84	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.59	751.6	29.65	753.1	30	— 1.1	91	n.	3	1.3	.....	.....	10 n	.....	.....	0	0	cloudy	G. Hutchinson.
St. John, N. B	29.49	749.0	29.64	752.8	31.2	— 0.4	96	nw.	8	3.6	.....	4 k	4 k	n.	.....	.....	.....	d. clouds	The Commandant.
St. Pierre, N. F	.....	.....	29.57	751.0	37.4	3.0	.....	sw.	.....	.....	1	.....	10 s	.....	.....	0.10	2.5	cloudy	.....
Saugeen, Ontario*	29.18	741.2	29.92	760.0	30	— 1.1	96	e.	11	4.9	.....	.....	10 s	.....	.....	0.100	2.5	d. clouds	W. McBride, M.A
Stratford, Ontario	28.59	726.2	29.93	760.2	30.0	— 1.1	82	ne.	2	0.9	.....	.....	.....	.....	.....	.....	.....	.....	.....

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
Canadian.—Continued.																			
Sydney, C. B*	29.48	748.8	29.54	750.3	32	0.0	96	ne.	8	3.6	.....	.....	10 n	.....	.....	0.06	1.5	light fog	**T.C.Hill, C.E.**
Toronto, Ontario*	29.57	751.1	29.97	761.2	31	— 0.6	88	ne.	5	2.2	.....	.....	10 ks	.....	W.	0.06	1.5	cloudy	**Magnetic Observatory.**
Woodstock, Ontario	28.84	732.5	29.95	760.7	29.4	— 1.4	94	ne.	15	6.7	.....	.....	10 s	.....	.....	0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.56	750.8	29.63	752.6	32	0.0	85	n.	10	4.5	.....	10 k	0	W.	.....	0	0	cloudy	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt.House	30.28	769 1	30.31	769.9	67.0	19.4	84	se.	.....	.....	.....	0	0	.....	.....	0	0	fine	I. Garfelt.
Cape Town, The Castle	30.05	763.3	.....	.....	77.0	25.0	38	sw.	.....	.....	.....	1 c	0	.....	.....	0	0	.....	**Capt. R. Gardner Warton**
Springbok Fontein	27.92	709.2	.....	.....	82	27.8	37	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace
Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Leon Herrera.**
Valparaiso	29.84	757.9	29.98	761.5	56.5	13.6	84	nw.	.....	.....	6	.....	10 n	.....	nw.	0.394	10.0	cloudy	Paez-I-Ampuero.
Chinese (*Sub-series*).					58.1	14.5	94	sw.	.....	.....	1	0	0	.....	.....	0	0	clear	
Zi-Ka-Wei, near Shanghai	30.30	769.7	30.33	770.3	39.2	4.0	64	n.	3.8	1.7	.....	.....	0	.....	.....	0	0	clear	**M. Marc Dechevrens, S. J**
Danish.																			
Copenhagen	30.04	762.9	30.08	764.1	44.4	6.9	65	se.	31	14	.....	.....	0	.....	.....	.....	.....	.....	
Fanöe	29.88	758.9	29.90	759.4	49.8	9.9	71	ese.	.....	.....	6	.....	0	.....	.....	.....	.....	.....	Oversergent Fischer.
Godthaab, Greenland	29.307	744.17	29.347	745.27	31.3	— 0.4	100	s.	.....	.....	4–6	.....	10	.....	.....	.....	.....	snowing	Overloerer Lauridsen.
Ivigtut, Greenland	30.27	768.8	30.29	769.3	28.4	— 2.0	.....	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	S. Kleinschmidt.
Stykkisholm, Iceland	30.13	765.2	30.17	766 3	33.8	1.0	83	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	
Thorshavn	29.66	753.3	29.68	753.9	44.6	7.0	77	e.	20	9.	.....	.....	10	.....	.....	.....	.....	.....	A. O. Thoriacius.
Upernavik, Greenland	30.97	701.3	30.02	762.5	10.2	—12.1	.....	e.	.....	.....	2	.....	6	.....	.....	.....	.....	.....	Overloerer Bergh.
Vestervig	29.85	758.1	29.94	760.4	48.0	8.9	76	ese.	.....	.....	6	.....	0	.....	.....	.....	.....	.....	Loerer Oesterbol.
Egyptian.																			
Cairo	29.73	755.2	.....	.....	82.4	28.	.....	sw.	5.8	2.6	.....	.....	10	.....	.....	0	0	covered	**Albert Ismaïun, Dir.**
French.																			
Agen, Normal School	29.18	741.2	29.82	757.5	64.4	18.	60	sse.	.....	.....	1	5 c	.....	.....	s.	0	0	misty	M. Labroue, Director.
Alençon, Normal School	29.15	740.4	29.70	754.4	61.5	16.4	77	s.	.....	.....	1	.....	2 k	.....	ne.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.50	749.2	29.73	755.2	66.4	19.1	47	s.	.....	.....	4	.....	2	n.	.....	0	0	slightly cl'dy	**M. Ungerer, Director.**
Avignon, Normal School	29.79	756.6	29.87	758.6	69.8	21.	41	sse.	.....	.....	1	.....	.....	.....	s.	0	0	.....	M. Giraud, Director.
Bar-sur-Seine	29.24	742.6	29.78	756.3	65.7	18.7	39	s.	.....	.....	6	.....	5	.....	se.	0	0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.47	748.6	29.73	755.2	63.1	17.3	50	sw.	.....	.....	2	.....	8	.....	sw.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.80	731.6	29.68	753.9	68.0	20.0	40	ne.	.....	.....	1	.....	k	.....	w.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.49	749.0	29.75	755.6	58.1	14.5	72	sse.	.....	.....	1	.....	2	.....	.....	0.004	0.1	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.29	743.9	29.84	757.8	63.0	17.2	47	e.	.....	.....	1	.....	10	.....	e.	0	0	covered	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.34	745.3	29.59	751.5	50.7	10.4	86	sw.	.....	.....	2	.....	9	.....	sw.	0.492	12.5	.....	M. de Kermaréc, Dir.
Caen, Normal School	29.50	749.4	29.58	751.3	57.6	14.2	95	ssw.	.....	.....	2	.....	5	.....	ssw.	0	0	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l	29.45	747 9	29.76	755.9	65.7	18.7	78	s.	.....	.....	1	.....	1	.....	s.	0	0	clear	M. Jadot, Director.
Charleville, Normal School	29.27	743.4	29.79	756.6	67.3	19.6	64	sw.	.....	.....	1	.....	k	.....	.....	0	0	.....	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.43	722.1	29.76	755.9	59.5	15.3	47	s.	.....	.....	2	.....	10	.....	s.	0.134	3.4	.....	M. Allnard, Director.
Cluny, Normal School	28.82	732.1	29.65	753.1	66.2	19	38	se.	.....	.....	1	.....	2	.....	s.	0	0	.....	M. de Villemontée, Dir.
Commercy, Normal School	29.04	737.6	29.84	757.8	63.0	17.2	47	nw.	.....	.....	4	.....	kn	nw.	nw.	0	0	.....	Dr. Coulet, Director.
Gap, Normal School	27.37	695.1	29.86	758.5	59.0	15.	42	calm	.....	.....	0	.....	6 k	.....	.....	0.020	0.5	.....	M. Jarach, Director.
Gréasque, du Rhone	28 72	729 4	29.81	757.1	68.0	20	40	s.	.....	.....	4	.....	5	.....	s.	0	0	.....	M. Kina, Director.
Grenoble, Normal School	29.05	737.9	29.80	756.8	66.6	19.2	53	wnw.	.....	.....	1	.....	kn	.....	w.	0	0	.....	M. Ablard, Director.
Gué et, Normal School	28.21	716.5	29.76	755.8	55.4	13	66	sw.	.....	.....	4	.....	kn	.....	sw.	0	0	.....	M. Delorme, Dir.
Lamballe Normal School	29.32	744.8	29.60	751.8	55.2	12.9	83	s.	.....	.....	6	.....	10 n	.....	s.	0	0	covered	**M. Polipre, Dir.**
Lescar, Normal School	29.18	741.1	29.73	755.1	68.9	20.5	35	sw.	.....	.....	1	.....	2 k	.....	.....	0.673	17.1	slightly cl'dy	M. Chauvin, Director.
Lorient, Naval Observatory	29.50	749 4	29.61	752.0	54.7	12.6	74	s.	.....	.....	5	.....	10	.....	s.	0	0	covered	**L. T. Carre, Director.**
Lyon, St. Genis-Laval	28 78	731 0	29.81	757.2	64.9	18.3	40	s.	.....	.....	4	.....	k	.....	s.	0	0	clear	M. André, Director.
Mans, Normal School	29.39	746.0	29.69	754.1	62.4	16.9	49	s.	.....	.....	1	2 ck	.....	.....	sw.	0	0	slightly cl'dy	M. Richard, Director
Marseille, Observatory	29.58	751 2	29.84	757.9	67.1	19.5	59	se.	.....	.....	2	.....	4	.....	sse.	0	0	.....	M. Stephan, Director.
Montlouis	24.63	625.6	29.47	748 6	46.8	8.2	51	sw.	11.2	5.0	.....	.....	5	w.	.....	0	0	.....	M. Cave for Dr. Finot.
Montpellier, Normal School	29.74	755.4	29.85	758.2	59.7	15.4	93	s.	.....	.....	1	.....	10	e.	.....	0.543	13.8	covered	M. Galzin, Director.
Nancy, Normal School	29.03	737 4	29.79	756.6	64.8	18.2	46	s.	.....	.....	1	ck	.....	sw.	.....	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	29.55	750.6	29.72	754.8	60.8	16.0	71	ssw.	.....	.....	4	.....	9 kn	sw.	ssw.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29.72	755.0	29.84	757 8	60.8	16.0	74	se.	7.4	3.3	.....	.....	2	.....	.....	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20.99	533.1	.....	.....	27.7	— 2.4	.....	sw.	.....	.....	1	.....	1	.....	sw	0	0	clear	**M. Vaussenat, Director.**
Privas, Normal School	28.83	732 2	29.87	758.6	64.4	18	55	s.	.....	.....	1	.....	2	s.	s.	0.075	1.9	slightly cl'dy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24 95	633 8	.....	.....	39.7	4.3	84	s.	.....	.....	3	.....	10	.....	.....	0.201	5.1	.....	M. Allnard.
Rochefort, Naval Obs'y	29.71	754.7	29.74	755.5	65.8	18.8	50	s.	.....	.....	1	.....	0	.....	.....	0	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.50	749.2	29.71	754.5	61.2	16.2	55	s.	.....	.....	1	.....	.....	n.	.....	0	0	.....	M Brotlier, Director.
Rodez, Normal School	27.09	703.3	29.81	757.1	58.5	14.7	51	e.	.....	.....	4	.....	10	.....	nw.	0.134	3.4	covered	M. Seger, Director.
Rouen, Normal School	29.66	753 3	29.71	754.5	65.5	18.6	50	ssw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Mouillot, Dir.
Saint Maur, Observatory	29.60	751.7	29.76	755.9	62.6	17.1	47	ssw.	.....	.....	2	.....	5	s.	s.	0	0	cloudy	M. Renou, Director.
Toulouse, Observatory	29.11	739.4	29.83	757.7	66.2	19.0	54	se.	.....	.....	2	.....	2	se.	.....	0	0	slightly cl'dy	M. Bailland, Director.
Tours	29.56	750 9	29.74	755.5	62.0	17.0	55	s.	.....	.....	1	.....	5	sw.	sw.	0	0	cloudy	**M. de Tastes.**
Versailles, Observatory	29.26	743.2	29.75	755 7	64.4	18.0	59	sw.	.....	.....	4	.....	8	.....	.....	0	0	very cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.59	751.5	29.74	755.3	68.7	20.4	45	s.	11.9	5.3	.....	c	4 k	.....	sw.	0	0	.....	M. Carlier, Director.
German.																			
Ansbach	28.42	721.8	29.83	757.6	64.0	17.8	28	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	Prof. Jnedt.
Bamberg	29.00	730.7	29.84	758.0	61.7	16.5	52	calm	.....	.....	0	.....	3 k	.....	e.	0	0	.....	Prof. Dr. Hoh.
Berlin	29.70	756.0	29.91	759.6	57.9	14.4	53	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.46	748.3	29.99	761.8	54.3	12.4	51	se.	.....	.....	3	.....	0	.....	.....	0	0	.....	Royal University Obs'y
Carlsruhe	29.39	746.0	29.84	758.0	62.6	17.0	48	calm	.....	.....	0	.....	3	se.	.....	0	0	.....	Albert Senz.
Cassel	29.12	739.7	29.84	757 8	65.5	18.6	42	s.	.....	.....	2	.....	2	se.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.46	748.3	29.82	757.3	64.4	18.0	53	sw.	.....	.....	1	.....	2	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.44	722.3	29.85	758.1	54.0	12.2	62	sw.	.....	.....	1	.....	1	w.	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	29.80	757.0	29.89	759.3	50.3	13.5	60	ese	.....	.....	4	.....	0	.....	.....	0	0	light mist	E. Preller.
Kiel	29.89	759.1	29.90	759.5	50.5	10.3	66	e.	.....	.....	4	.....	0	.....	.....	0	0	.....	Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.47	758.4	29.88	759.0	58.3	14.0	62	ene.	.....	.....	2	.....	0	.....	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	29.68	753.8	29.86	758.4	64.0	17.8	46	ese.	.....	.....	2	.....	0	.....	.....	0	0	.....	Weather Observatory.
Memel	30.18	766 6	30.23	767.8	44.8	7.1	51	ne.	.....	.....	3	.....	2 k	.....	.....	.....	.....	.....	Issermann.
Munich	28.05	712 4	29.90	759.5	59.4	15.2	37	calm	.....	.....	0	.....	1	s.	.....	0	0	.....	Central Station.
Neufahrwasser	30.14	765.6	30.17	766.3	43.0	6.1	71	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.28	743.8	29.81	757.1	62.8	17.1	55	w.	.....	.....	1	.....	5	w.	.....	0	0	.....	Prof. Dickmether.
Stuttgart	28.89	733.9	29.76	759.0	64.0	17.8	44	ne.	.....	.....	1	.....	1	w.	.....	0	0	.....	Prof. Dr. Schoder.
Wustrow	29.90	761 0	29.98	761 6	49.8	9.9	69	ene.	.....	.....	3	.....	3 s	.....	.....	0	0	.....	Profs. Brandes & Reimer
Greek.																			
Athens	29.47	748 4	29.85	758.1	60.8	16.0	.....	ne.	.....	.....	4.0	4	.....	.....	.....	0	0	.....	Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.84	757.8	29.89	759.1	78.7	25.9	75	wsw.	31.0	13.8	.....	.....	8	.....	.....	0	0	d. clouds	
Deesa	29.30	745.7	29.82	757.4	93.0	34.2	20	wsw.	9.0	4.0	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.78	750.4	29.82	757.4	83.5	28.6	57	nw.	25.0	11.2	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	27.94	709 7	29.72	755 0	98.4	36.9	11	nw.	33.0	14.8	.....	.....	4	.....	.....	0	0	d. clouds	
Bellary	29.54	750.4	29.82	757.3	95.5	35.3	33	ne.	0.2	0.1	.....	.....	0	.....	.....	0	0	blue sky	
Trichinopoly	28.31	719 0	29.72	755.0	98.0	36.7	23	se.	2.0	0.9	.....	.....	2	.....	.....	0	0	d. clouds	
Belgaum	27.30	693.4	29.70	754.5	82.1	27.8	88	wsw.	9.0	4.0	.....	.....	5	e.	n.	0.24	6.1	d. clouds	
Lahore	29.10	739 0	29.83	757.7	80.0	30.0	22	nw.	4.0	1.8	.....	.....	0	.....	.....	0	0	d. clouds	
Roorkee	28.86	733.1	29.74	755.5	87.7	30.9	11	w.	5.0	2.2	.....	.....	10	w.	.....	0	0	misty	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0-0	Clouds. Amount and kind. Upper. 0-10	Clouds. Amount and kind. Lower. 0-10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Agra	29.25	742.9	29.80	756.9	93.6	34.2	16	w.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.71	729.1	29.71	754.6	99.7	37.6	19	calm	0	0	.....	.....	4	.....	w.	0	0	.....	
Jubbulpore	28.43	722.1	29.74	755.5	96.7	35.9	16	w.	6.0	2.7	.....	.....	6	w.	.....	0	0	d. clouds	
Lucknow	29.38	746.2	29.75	755.6	92.1	33.4	21	wsw.	14.0	6.3	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.43	747.5	29.73	755.2	95.7	35.4	17	nw.	.....	.....	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.51	749.6	29.69	754.2	95.7	35.4	13	w.	8.3	3.7	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.76	705.2	29.73	755.0	89.4	31.9	12	nw.	16.0	7.2	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.70	754.3	29.78	756.3	88.1	31.2	56	ssw.	8.0	3.6	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29.70	754.5	29.72	755.0	89.7	32.1	50	sse.	8.0	3.6	.....	.....	0	.....	.....	0	0	d. clouds	
Chittagong	29.73	755.2	29.82	757.5	80.2	26.8	81	sw.	6.8	3.0	.....	.....	1	.....	sw.	0	0	d. clouds	
Sibsagar	29.43	747.6	29.78	756.3	70.9	21.6	85	ne.	2.0	0.9	.....	.....	8	w.	w.	0	0	d. clouds	
Jeypore	28.38	720.9	29.79	756.8	62.0	33.3	17	nw.	9.5	4.2	.....	.....	0	.....	.....	0	0	blue sky	
Zanzibar	29.85	758.2	.....	.....	81.0	27.2	77	calm	2.7	1.2	.....	.....	8	.....	ese.	.....	.....	d. clouds	
ITALIAN.																			
Udine	29.50	749.2	29.92	760.0	65.3	18.5	30	s.	0.7	0.3	.....	.....	2	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.41	747.1	29.63	760 1	60.8	16.0	52	s.	4.3	1.9	.....	.....	6	nw.	.....	0.264	6.7	.....	Prof. Dott. Lorenzoni.
Padua	29.80	757.0	29.91	759.7	62.2	16.8	50	s.	2.5	1.1	.....	.....	2	.....	.....	0	0	.....	Prof. F. F. Denza.
Moncalieri	29.01	736.9	29.91	759.7	59.0	15.0	54	s.	7.4	3.3	.....	.....	8	n.	.....	0	0	.....	Prof. G. M. Garibaldi.
Genoa	29.71	754.5	29.90	759.4	55.0	12.8	70	n.	7.4	3.3	.....	.....	0	.....	.....	0.165	4.2	.....	Prof. Luigi Guidi.
Pesaro	29.90	759.5	29.95	760.7	55.8	13.2	75	n.	9.4	4.2	.....	.....	0	.....	.....	0	0	.....	Prof. Costantino Pittei.
Florence	29.61	752 0	29.86	758 4	66.2	19.0	39	nne.	.....	.....	4	.....	3	n.	.....	0	0	.....	Prof. P. Monte.
Leghorn	29.72	755.0	29.81	757.2	66.0	18.9	49	n.	3.1	1.4	.....	.....	5	sw.	.....	0	0	.....	Prof. P. Tacchini.
Rome	29.63	752.7	29.81	757.1	69.1	20.6	32	n.	3.1	1.4	.....	.....	9	.....	.....	0.264	6.7	.....	Prof. C. de Giorgi.
Lecce	29.58	751.2	29.82	757.5	60.1	15.6	69	nnw.	11.2	5.0	.....	.....	5	n.	.....	0	0	.....	Prof. D. Conti.
Cosenza	28.95	735 4	29.84	757.9	59.0	15.0	70	wnw	2.5	1.1	.....	.....	7	w.	.....	0.031	0.8	.....	Prof. G. Cacciatore
Palermo	29.53	750.0	29.78	756.3	66.9	19.4	42	nw	15.0	6.7	.....	.....	8	nw.	.....	0	0	.....	Sig. V. Giuliano.
Syracuse	29.72	755.0	29.77	756.1	64.9	18.3	67	nne.	7.4	3.3	.....	.....	10	se.	.....	0	0	.....	
Sub-series.																			
Naples, Astron'l Obs'y	29.30	744.2	.....	.....	64.2	17.9	49	e.	5.6	2.5	.....	.....	6	ese.	.....	0	0	.....	Prof. F. Brioschi.
Stelvio	22 02	559.3	.....	.....	30.3	2.4	93	s.	.....	.....	2	.....	10	.....	.....	0	0	misty	Prof. P. F. Denza.
Valdobbia	22.06	560.4	.....	.....	31.3	— 0.4	80	w.	.....	.....	2	.....	9	.....	.....	0	0	misty	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.60	751 7	29.63	752.6	31.0	— 0.6	89	n.	.....	.....	4	.....	10 n	.....	.....	1.346	34.2	snowing	H. Hattori.
Awomori	29.75	755.6	29.78	756.4	30.5	— 0.8	92	ene.	18.1	8.1	.....	.....	10 n	.....	.....	0.020	15.7	snowing	K. Ogawa.
Hakodate	29.91	759.8	29.92	760.1	29.0	— 1.7	100	e.	9.0	4.0	.....	.....	10 n	.....	.....	0.203	5.2	snowing	Y. Souma.
Hamamatsu	29.40	746.7	29.50	749.2	47.3	8.5	77	wnw.	.....	.....	.....	6	2 ks	.....	w.	0.109	4.3	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.78	756 4	29.80	756.8	46.5	8.1	80	nw.	5.5	2.5	.....	.....	10ks;s	.....	n.	0.240	0.1	covered	Y. Okamoto.
Kagoshima	29.90	759.3	29.91	759.6	49.1	9.5	95	nw.	.....	.....	2	.....	10 s	.....	.....	0.039	1.0	overcast	
Kanazawa	29.62	752.3	29 73	755.1	34.7	1.5	93	ne.	0.6	0.3	.....	.....	10 n	.....	.....	1.110	28.2	sleeting	S. Endo.
Kioto	29.50	749.2	29.67	753.6	43.4	6.3	70	nw.	5.5	2.4	.....	2 cs	8ks;s	.....	nw.	0.150	3.8	cloudy	M. Tojima.
Kochi	29.70	754.5	29.73	755.0	50.1	10.1	68	w.	2.9	1.2	.....	10 cs;ck	1 ck	n.	n.	0.040	1.0	overcast	K. Kusunose
Miasaka	29.82	757.5	29.85	758.2	50.1	10.1	03	wsw.	.....	.....	2	1 ck	6 ks	wnw.	wnw.	0	0	cloudy	K. Masusaki & T. Ishitaiu.
Miyako	29.63	752.6	29.74	755.4	32.3	0.2	100	ne.	3.1	1.3	.....	.....	10 n	.....	.....	2.115	53.7	snowing	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.71	754.6	29.92	759.9	46.7	8.2	69	nw.	8.7	3.8	.....	.....	9 s	.....	nw.	0.080	2.0	cloudy	
Nemuro	30.08	764.0	30.13	765.3	26.0	— 3.3	52	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	A Shibuya.
Niigata	29.53	750.0	29.57	751.1	36.6	2.6	98	se.	2.7	1.2	.....	.....	10 n	.....	.....	0.855	21.7	light rain	Satoo & Tomikawa.
Nobiru	29.45	748.0	29.46	748.4	35.5	1.9	96	ne.	28.2	12.6	.....	.....	10 n	.....	.....	1.550	39.4	stormy	Yoshino & Midzushima.
Numadzu	29.39	746.5	29.43	747.4	40.2	7.9	99	ne.	.....	.....	1	.....	10 n	.....	.....	0.445	11.3	light rain	T. Ohgi.
Osaka	29.69	754.0	29.70	754.4	43.8	6.6	82	n.	7.1	3.1	.....	10 cs	0	.....	.....	0.100	2.6	cloudy	H. Omura.
Saga	29.76	755.9	29.78	756.5	47.4	8.6	78	w.	7.8	3.5	.....	0	8 ks	.....	nw.	0.113	2.9	cloudy	A. Matsuhayashi.
Sakai	29.83	757.6	29.84	757.8	41.9	5.5	81	nne.	.....	.....	4	.....	10 n	.....	nne.	0.189	4.8	raining	Yamawchi & Sakamoto.
Sapporo	29.91	759.6	29.97	761.3	30.0	— 1.1	05	s.	10.4	4.6	.....	.....	10 s	.....	.....	0	0	covered	S. Kimura.
Shimonoseki	29.73	755.2	29.88	758.9	44.8	7.1	92	nne.	.....	.....	6	.....	10 ks	.....	w.	0.083	2.1	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.35	745.4	29.42	747.3	40.3	4.6	99	n.	9.7	4.3	.....	.....	10 n	.....	.....	0.790	20.1	light rain	The Staff.
Wakayama	29.07	753.5	29.72	754.9	40.4	8.0	75	n;nnw.	9.0	4.0	.....	.....	10 ck;ks	.....	nnw.	0.055	1.4	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.82	757.4	30.01	762.2	79.1	26.2	75	ese.	16.0	7.2	.....	4 ck	5 ks;kn	ne.	e.	0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.35	618.5	30.04	763.0	56.5	13.6	63	nnw.	0.9	0.4	.....	7 c	0	w.	.....	0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.72	754.8	29.98	761.5	63.0	17.2	91	n.	1.6	0.8	.....	1 cs	0	.....	.....	0	0	foggy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.73	755.2	29.73	755 2	60.1	15.6	.....	s.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Groningen	29.74	755.3	29.79	756.7	41.2?	5.1?	.....	se.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	29.77	756.1	29.77	756.1	57.9	14.4	.....	ese.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	29.72	755.0	29.72	755.0	04.6	18.1	51	sse.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Utrecht	29.74	755.4	29.79	756.6	66.0	18.9	38	sse.	.....	.....	3	.....	0	.....	.....	0	0	clear	H. van der Brink.
Sub-series.																			
Batavia, Java	29.86	758.5	.....	.....	79.5	26.4	84	wnw.	0	0	.....	.....	8	.....	.....	0.043	1.1	.....	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.82	757.4	29.88	759 0	52.2	11.2	41	se.	2	1	.....	.....	10	.....	.....	0	0	.....	
Brono	30.00	762.1	30.04	763.1	40.6	4.8	44	s.	.....	.....	2	.....	4	.....	.....	0	0	.....	
Christiania	30.06	763.6	30.21	767 4	41.7	5.4	59	e.	4	2	.....	.....	10	.....	.....	0	0	.....	
Gjæsvær	30.03	762.7	30.05	763.3	39.0	4.2	.....	calm	.....	.....	0	.....	0	.....	.....	0.157	4.0	.....	
PORTUGUESE.																			
Funchal, Madeira	30.00	762.0	30.09	764.2	61.7	16.5	59	wsw.	13.0	5.8	.....	.....	7	.....	.....	0	0	.....	Capt. D. A. de Cunha
Lisbon, Observatory	29.58	751.4	29.92	760.0	53.2	11.8	93	sw.	18.1	8.1	.....	.....	10	.....	.....	0.024	0.6	raining	The Staff.
Ponta Delgada, Azores	29.93	760.2	30.00	762.0	63.0	17.2	80	nw.	9.4	4.2	.....	.....	3	.....	.....	0.252	6.4	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.05	763 3	30.09	764.2	68.0	20.0	71	ne.	.....	.....	3	.....	8	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	25.07	636 8	29.86	758.4	39.7	4.3	82	sw.	19.2	8.6	.....	.....	10	.....	.....	0.039	1.0	foggy	
RUSSIAN.																			
Akmolinski	28.99	736.4	30.14	765.6	22.5	— 5.3	85	e.	7	3	.....	0	1 k	.....	.....	0	0	.....	Major K. Lasarew
Archangel	30.32	770.0	30.34	770 5	24.1	— 4.4	79	wnw.	2	1	.....	1 cs	0	.....	.....	0	0	.....	Capt. Sselliwerstow
Ashurada	29.95	760.7	29.85	758.3	58.6	14.8	70	n.	13	6	.....	1 cs	0	.....	.....	0	0	light clouds	
Astrakhan	29.96	761.0	29.89	759.1	41.5	5.3	91	e.	7	3	.....	.....	10 n	.....	.....	0.339	8.6	.....	Capt. Wisganow.
Baku	29.90	759.4	29.85	758.2	55.8	13.2	61	n.	4	2	.....	0	7 ks	.....	.....	.....	.....	.....	
Barnaul	29.57	751.1	30.10	764.6	23.9	— 4.5	100	wsw.	9	4	.....	.....	10	.....	.....	0.020	0.5	.....	Meteorological Office.
Bielosersk	29.82	757.3	30.30	769 7	34.2	1.2	44	calm	0	0	.....	0	4 s	.....	.....	0	0	.....	
Dorpat	30.00	762.0	30.26	768.5	34.9	1.6	58	ene.	11	5	.....	0	5 k	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	29.21	741.8	30.21	767.4	31.8	— 0.1	50	s.	4	2	.....	1 ck	0	.....	.....	0	0	light clouds	Meteorological Obs'y.
Elissawetgrad	29.61	752.0	30.08	764.0	33.6	0.9	85	n.	9	4	.....	.....	10 s;n	.....	.....	.....	.....	.....	
Kasalinsk	29.78	756.3	29.95	760.8	33.4	0.8	83	nne.	7	3	.....	.....	.....	.....	.....	0	0	light fog	Butkewitsch.
Kasan	29.89	759 3	30.18	766 5	33.3	0.7	52	nne.	4	2	.....	0	0	.....	.....	0	0	.....	Observatory.
Kem	30.35	770.9	30.40	772.2	30.9	— 0.6	46	calm	0	0	.....	.....	3 k	.....	.....	0	0	.....	
Kerlen	29.90	759.5	29.93	760.1	39.2	4.0	88	nw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Sastyrea.
Kieff	29.44	747.7	30.10	764.4	39.4	4.1	54	nne.	7	3	.....	.....	9ks;n	.....	.....	0	0	.....	Observatory.
Koslow	29.50	750.8	30.09	764.2	30.7	— 0.7	73	ne.	11	5	.....	.....	10 s	.....	.....	0.181	4.6	.....	
Lgov	29.52	749.9	30.14	765.5	32.2	0.1	67	n.	11	5	.....	.....	5	.....	.....	0	0	.....	R. I. Ssaweljew, Engin'r.
Libau	30.21	767.2	30.23	767.8	42.4	5.8	44	ene.	7	3	.....	.....	2	.....	.....	0	0	.....	E. Quass.
Lugan	29.72	754.9	29.93	760 3	35.1	1.7	90	ene.	9	4	.....	.....	10	.....	.....	0.217	5.5	.....	Meteorological Obs'y.
Moscow	29.69	754.1	30.19	766.8	33.8	1.0	42	ne.	2	1	.....	0	4 s	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27.62	701.6	30.03	762.7	22.6	— 5.2	61	calm	0	0	.....	.....	0	.....	.....	0.008	0.2	.....	
Nikolaiev	29.97	761.1	30.04	762.9	40.1	4.5	78	n.	13	6	.....	.....	10 n	.....	.....	0	0	.....	Capt. Kurdakow.

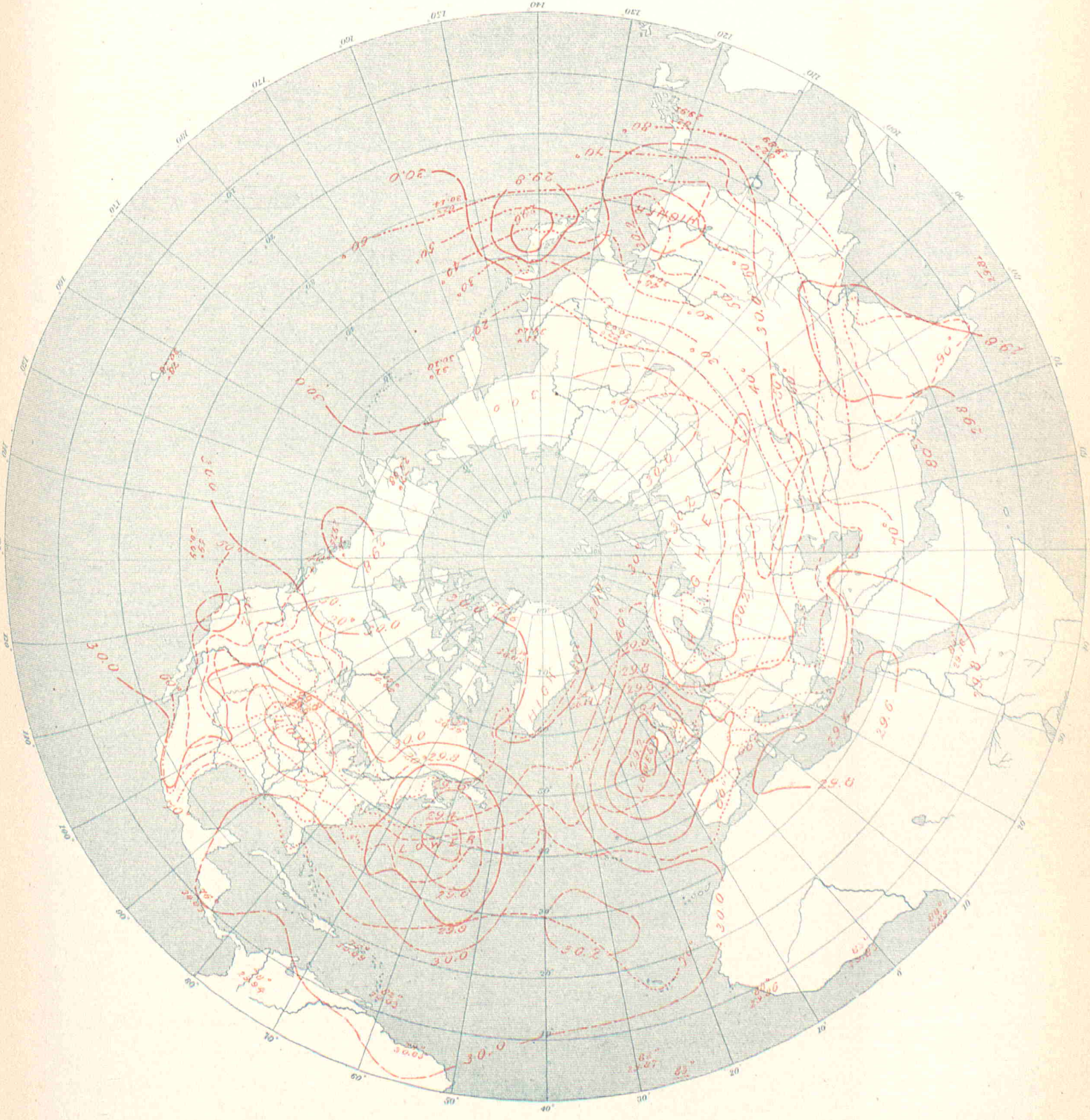
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.06	763.5	30.15	765.7	11.1	—11.6	75	e.	2	1	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.93	760.1	30.07	763.7	48.2	9.0	53	sw.	2	1	.....	0	1 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.47	748.5	29.80	757.0	78.6	25.9	15	se.	3.4	1.5	.....	10 ck	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.15	765.8	30.36	771.1	28.4	— 2.0	58	ese.	11	5	.....	0	5 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.67	753.5	30.17	766.4	42.1	5.6	55	s.	4	2	.....	0	8 ks	.....	.....	0	0	.....	
Poti	29.88	758.9	29.91	759.7	48.4	9.1	100	sw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.24	768.2	30.27	768.8	34.0	1.1	57	nne.	9	4	.....	0	8	.....	.....	inap.	inap.	light clouds	Central Physical Obs'y.
Samarkand	27.48	698 0	29.87	758.7	68.5	20.3	32	ne.	7.8	3.5	.....	1 c	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.55	750.5	30.26	768.5	18.9	— 7.3	84	calm	0	0	.....	.....	7	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.74	755.5	29.96	761.0	45.7	7.6	63	n	16	7	.....	.....	9 s	.....	.....	0	0	.....	
Staroi Bykhov	29.57	751.0	30.14	765.6	37.6	3.1	51	se.	2	1	.....	.....	10	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.36	720.3	29.98	761 6	68.9	20.5	38	calm	0	0	.....	.....	0	.....	.....	.....	.....	.....	Terch, A. de
Tiflis	28.39	721.1	29.78	756.4	62.6	17.0	42	nw.	9	4	.....	0	7 ks	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.50	698.4	29.98	761.5	55.4	13.0	40	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Larionow.
Viatka	29.62	752.4	30.28	769 2	31.1	— 0.5	49	e.	2	1	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	30.04	763.0	30.11	764.7	27.5	— 2.5	52	n.	9	4	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.68	753.9	30.11	764.8	47.8	8.8	51	se.	11	5	.....	.....	9 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.60	751.8	29.90	759.4	26.4	— 3.1	65	w.	7	3	.....	.....	10	.....	.....	0.008	0.2	snowing	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.56	750.8	30.09	764.3	35.6	2.0	33	se.	6.8	3.0	.....	3	0	sw.	.....	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.77	756.1	29.88	759 0	56.7	13.7	88	sw.	.....	.....	.....	6 ck	0	.....	.....	0.12	3.	.....	B. Jelin.
Bilbao, Met. Obs'y	30.07?	763.8?	30.13?	765.3?	64.8	18.2	48	s.	2.0	0.9	.....	3	4	se.	.....	0	0	cloudy	Angel de Uralde.
Burgos, Met. Obs'y	26.89	682.9	29.89	759.1	46.0	7.8	73	sw.	7.4	3.3	.....	.....	10	.....	.....	0.098	2.5	covered	Domingo Martin.
Madrid, Royal Obs'y	27.68	703.0	29.91	759.8	52.9	11.6	63	sw.	20.6	9.2	.....	.....	9	.....	.....	0	0	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.73	755.2	29.88	759.0	69.4	20.8	65	s.	3.6	1.6	.....	3	3	wnw.	.....	0.008	0.2	misty	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.73	729.7	29.63	752.5	50.9	10.5	98	s.	23.7	10.6	.....	.....	10	.....	.....	0.114	2.9	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.06	762.5	30.13	765.2	67.5	19.7	78	se.	5.4	2.4	.....	0	0	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.85	758.2	29.91	759.6	82.2	27.9	76	ssw.	13.2	5.9	.....	0	1 ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.95?	760.6?	30.05?	763.2?	60.1	15.6	64	w.	4.2	1.9	.....	0	3	.....	W.	0.017	0.4	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.00	761.9	30.09	764.2	74.5	23.6	70	n.	6.7	3.0	.....	.....	10 kn	.....	n.	0	0	cloudy	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.33	770.3	30.37	771.3	21.9	— 5.6	90	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Umea	30.31	769.8	30.36	771.1	35.1	1.7	60	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Hernosand	30.25	768.3	30.30	769.6	33.4	0.8	71	ese.	.....	.....	2	.....	9	.....	.....	0	0	.....	
Stockholm	30.13	765.2	30.30	769.7	40.6	4.8	61	e.	.....	.....	2	.....	2	.....	.....	0	0	.....	
Wisby	30.16	766.0	30.22	767.5	40.3	4.6	38	e.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.20	767 0	30.28	769.2	38.3	3.5	51	ne.	3.8	1.7	.....	.....	5	.....	ese.	0 004	0.1	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.44	722.4	29.85	758.2	59.4	15.2	40	n.	.....	.....	1	.....	1	.....	.....	0	0	clear	The Observatory.
TURKISH.																			
Constantinople	.....	.....	29.99	751.7	47.1	8.4	77	n.	18	8.0	.....	.....	10	.....	n.	0	0	.....	The Observatory.
Valona	.....	.....	29.92?	759.9?	63.5	17.5	.....	w.	.....	.....	1	.....	8	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.72	755.0	66.0	18.9	74	ne.	.....	.....	2	9 c;cs	0	sw.	.....	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.84	757.9	29.92	760.0	34	— 1.1	80	w.	5	2.2	.....	1 c	1 s	w.	w.	0	0	clear	J. O. Barnes.
Alpena, Michigan	29.24	742.7	29.93	760.2	30	— 1.1	88	e.	12	5.4	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.04	636.0	29.96	761.0	30.3	— 0.9	88	e.	1	0.4	.....	0	8 s	.....	.....	0.12	3.0	cloudy	J. B. Turton.
Assiniaboine, Ft., Montana	27.24	691 9	30.16	766.1	29.0	— 1.7	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28 82	732.0	30.01	762.2	58.3	14.6	86	w.	9	4.0	.....	4 cs	4s;sk	w.	w.	0.01	0.3	cloudy	S. W. Beall.
Atlantic City, New Jersey.	29.93	760 2	29.94	760.5	34.0	1.1	72	nw.	12	5.4	.....	.....	10 n	.....	.....	inap.	inap.	heavy snow	B.A.Blundon.
Augusta, Georgia	29.84	757.9	30.03	762.7	56	13.3	80	calm	0	0	.....	10 c	hz.	w.	.....	0	0	cloudy	W.J.Evans.
Baltimore, Maryland	29.93	760.2	29.98	761.5	44.3	6.8	44	e.	5	2.2	.....	6 cs	4 s	nw	nw.	0	0	cloudy	Geo. W. Felger.
Barnegat City, New Jersey	29.94	760.5	29.96	761.0	38.7	3.7	43	nw.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.29	718.6	29.93	760.2	33.0	0.6	88	ne.	18	8 0	.....	.....	10 s	.....	ne.	0	0	threatening	A. Pritchard.
Benton, Fort, Montana	27.31	693.7	30.17	766.3	25.5	— 3.6	70	calm	0	0	.....	0	0	.....	.....	0	0	clear	C.S.Bennett.
Bismarck, Dakota	28.19	716.0	30.07	763.8	32.5	0.3	88	ne.	13	5.8	.....	.....	10 s	.....	ne.	0.01	0.3	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.83	757 7	29.86	758.4	31.8	— 0.1	74	nw.	20	8.9	.....	2 ck	0	nw.	.....	0	0	clear	J. T. Elker.
Boise City, Idaho	27.26	692.4	30.10	764.5	37.2	2.9	53	n.	3	1.3	.....	0	0	.....	.....	0.01	0.3	clear	James Kenealy.
Boston, Massachusetts	29.65	753.1	29.81	757.2	31.3	— 0.4	83	nw.	12	5.4	.....	0	2 s	.....	.....	0	0	clear	O. B. Cole.
Brownsville, Texas	29.79	756.7	29.85	758.2	72.4	22.4	97	s.	10	4.5	.....	.....	10 s	.....	s.	0	0	cloudy	John McGlone.
Buffalo, New York	29.20	741.7	29.97	761.2	31.2	— 0.4	98	e.	4	1.8	.....	.....	10 s	.....	e.	0.04	1.0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.07	713 0	30.17	766.3	31.3	— 0.4	88	n.	7	3.1	.....	0	4 ks	.....	.....	inap.	inap.	fair	A. Schneider.
Cairo, Illinois	29.36	745.7	29.77	756.1	61.6	16.4	74	s.	7	3.1	.....	.....	10 s	.....	s.	0.02	0.5	cloudy	W. H. Ray.
Canby, Fort, Washington Ter.	29.90	759.4	30.10	764.5	44.2	6.8	93	s.	10	4.5	.....	0	0	.....	.....	0.03	0.8	clear	J.H.Young.
Cape Henry, Virginia	29.90	759.4	29.92	760.0	48.0	8.9	100	se.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	A. K. Alderson.
Cape May, New Jersey	29.92	760.0	29.95	760.7	39.0	3.9	65	ne.	10	4.5	.....	.....	10 s	.....	nw.	0	0	cloudy	W.E.Smith.
Cape Mendocino, California	29.43	747.5	30.12	765.0	43.1	6.2	80	se.	24	10.7	.....	.....	10 s	.....	se.	0	0	threatening	A. P. Leavitt.
Cedar Keys, Florida	30.07	763.8	30.09	764.3	67.0	19.4	91	s.	9	4.0	.....	3 c	0	w.	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.95	760.7	30.01	762.2	62.0	16.7	88	sw.	5	2.2	.....	5 ck	3 s	w.	sw.	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.08	738.6	29.94	760.5	56.3	13.5	67	sw.	3	1.3	.....	10 cs	fg.	w.	.....	0	0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.14	740.1	29.97	761.2	61.5	16.4	63	sw.	9	4.0	.....	.....	10 n;sk	.....	w.	inap.	inap.	light rain	B. L. Goulding.
Cheyenne, Wyoming	23.78	604.0	29.80	756.9	25.3	— 3.7	89	n.	24	10.7	.....	.....	10 n	.....	.....	0.28	7.1	light snow	E. McGovern.
Chicago, Illinois	29.01	736.8	29.74	755.4	44.1	6.7	87	e.	4	1.8	.....	.....	10 s	.....	.....	0.23	5.8	cloudy	T.B.Jennings.
Chincoteague, Virginia	29.95	760.7	29.97	761.2	42.5	5.8	59	e.	8	3.6	.....	5 k	5 ks	.....	.....	0	0	cloudy	C. F. Dickens
Cincinnati, Ohio	29.15	740.4	29.82	757.4	53.9	12.2	76	se.	4	1.8	.....	.....	10 n	.....	w.	0.08	2.0	light rain	L.Dunne.
Cleveland, Ohio	29.09	738.9	29.85	758.2	42.0	5.6	56	se.	8	3.6	.....	.....	10 s	.....	se.	0	0	cloudy	W.Line.
Columbus, Ohio	28.96	735.6	29.83	757.7	44	6.7	68	e.	6	2.7	.....	.....	10 n	.....	e.	0.10	2.5	light rain	F.T. Williams
Concho, Fort, Texas	28.07	713.0	30.01	762.2	42.7	5.9	68	w.	6	2.7	.....	0	0	.....	.....	0.10	2.5	clear	C. E. King.
Custer, Fort, Montana	26.90	683.2	30.08	764.c	34	1.1	85	calm	0	0	.....	0	3 s	.....	.....	0	0	clear	W.J.Daily.
Davenport, Iowa	28.92	734.6	29.59	751.6	51.5	10.8	88	e.	8	3.6	.....	.....	fg.	.....	.....	0.07	1.8	dense fog	R. R. Martin.
Davis, Fort, Texas	25.18	639.6	29.96	761.0	38.2	3.4	75	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	J. Williams
Dayton, Washington T'y	28.29	718.6	30.05	763.3	44.7	7.1	63	se.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	H.S.Blandford.
Deadwood, Dakota	25.34	643.6	30.04	763 0	25.0	— 3.9	88	se.	13	5.8	.....	.....	10 n	.....	.....	0.03	0.8	light snow	G.Kingsbury.
Delaware Breakwater, Del	29.96	761.0	29.98	761.5	39.0	3.9	73	ne.	12	5.4	.....	.....	10 ks	.....	W.	0	0	cloudy	G.A.Martin.
Denver, Colorado	24.52	622.8	29.78	756 4	33.0	0.6	76	n.	6	2.7	.....	.....	1c s	.....	.....	0.26	6.6	cloudy	F. M. Neal.
Des Moines, Iowa	28.56	725.4	29.49	749.0	55.8	13.2	89	s.	6	2.7	.....	.....	10 s	.....	s.	0.65	16.5	cloudy	F. W. Conrad.
Detroit, Michigan	29.13	739 9	29.86	758.4	39.0	3.9	89	ne.	4	1.8	.....	.....	10 n	.....	.....	0.15	3.8	light rain	N.B.Conger.
Dodge City, Kansas	26.94	684.3	29.58	751.3	40.6	4.8	52	w.	38	17.0	.....	0	1 s	.....	.....	0.12	3.0	clear	J.E.Lanouette.
Dubuque, Iowa	28.93	734.8	29.66	753.4	48.5	9.2	82	e.	18	8.0	.....	.....	10 s	.....	.....	0.27	6.9	cloudy	A.W.Browne.
Duluth, Minnesota	29.20	741.7	29.97	761.2	31.0	— 0.6	90	ne.	19	8.5	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	E.R.Brace.
Eastport, Maine	29.59	751.5	29.66	753.4	30.5	— 0.8	72	n.	3	1.3	.....	.....	10 s	.....	n.	0	0	cloudy	D. C. Murphy.
Elliott, Fort, Texas	26.97	685.0	29.75	755.6	43	6.1	42	sw.	28	12.5	.....	1 cs	1 s	sw.	.....	0.10	2.5	clear	J. C. Rickli.
El Paso, Texas	26.30	668.0	30.04	763.0	36.0	2.2	51	w.	2	0.9	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.17	740.9	29.92	760.0	36.3	2.4	84	e.	3	1.3	.....	.....	10 n	.....	.....	0.06	1.5	light rain	P.Wood.
Escanaba, Michigan	29.20	741.7	29.89	759.2	30.5	— 0.8	82	n.	7	3.1	.....	10 ck	0	ne.	.....	0.03	0.8	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.28	743.7	29.76	755.9	63.1	17.3	37	w.	8	3.6	.....	4 cs	0	w.	.....	0.11	2.8	fair	J. B. Campbell.
Galveston, Texas	29.91	759.7	29.95	760.7	72.0	22.2	96	sw.	4	1.8	.....	.....	10 s	.....	sw.	0	0	cloudy	E. O'C. Macinerny
Grand Haven, Michigan	29.12	739.6	29.81	757.2	42.1	5.6	90	n.	8	3.6	.....	.....	10 n	.....	.....	0.26	6.6	light rain	Joseph E. Mueller.
Grant, Fort, Arizona	25.25	641.3	29.58	761.5	32.6	0.3	62	e.	6	2.7	.....	0	0	.....	.....	0.01	0.3	clear	Chas. A. Read.
Hatteras, North Carolina	29.94	760.5	29.94	760.5	54.2	12.3	80	sw.	6	2.7	.....	0	3 k;sk	.....	nw.	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
United States.—Cont'd.																			
Helena, Montana	25.88	657.3	30.09	764.3	33.5	0.8	81	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	28.24	717.3	29.70	754.4	35	1.7	87	ne.	28	12.5	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Glenn.
Indianapolis, Indiana	28.93	734.8	29 75	755.6	52.0	11.1	86	s.	4	1.8	.....	.....	10 s	.....	sw.	0.10	2.5	cloudy	C. F. R. Wappenhans
Indianola, Texas	29.85	758.2	29.88	758.9	71.4	21.9	96	nw.	13	5.8	.....	.....	10 s	.....	.....	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.04	763.0	30.08	764.0	63.0	17.2	78	s.	2	0.9	.....	hz.	0	.....	.....	0	0	clear	J. W. Smith.
Keokuk, Iowa	28.90	734.0	29.57	751.1	52.4	11.3	93	se.	12	5.4	.....	0	9 k	.....	s.	0.31	7.9	cloudy	F. Z. Gosewisch.
Key West, Florida	30.11	764.8	30.13	765.3	73.5	23.1	67	se.	9	4.0	.....	0	4 k	.....	se.	0	0	fair	J. Harvey Smith.
Kittyhawk, North Carolina	29.94	760 5	29.96	761.0	47.8	8.8	87	sw.	4	1.8	.....	7 ck	hz.	sw.	.....	0	0	fair	Wesley Blake.
Knoxville, Tennessee	28.92	734.6	29.96	761.0	51.9	11.1	68	ne.	2	0.9	.....	.....	10s;sk	.....	.....	0	0	cloudy	J. A. Cody.
La Crosse, Wisconsin	28.94	735.1	29.74	755.4	43.0	6.1	68	e.	4	1.8	.....	.....	10 s	.....	e.	0.05	1.3	cloudy	S. C. Emery.
Leavenworth, Kansas	28.57	725.7	29.48	748.8	52.5	11.4	50	s.	10	4.5	.....	0	0	.....	.....	0.91	23.1	clear	C. Dill.
Lewiston, Idaho	29.30	744.2	30.14	765.5	40.6	4.8	61	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.47	748.5	29.79	756.7	68.8	20.4	84	sw.	8	3.6	.....	.....	10 s	.....	sw.	0.01	0.3	cloudy	W. U. Simons.
Los Angeles, California	29.80	756.9	30.20	767.1	43.0	6.1	86	ne.	9	4.0	.....	0	0	.....	.....	0.03	0.8	clear	T. S. Collins.
Louisville, Kentucky	29.20	741.7	29.77	756.1	52.6	11.4	82	se.	13	5.8	.....	.....	10s;fg	.....	.....	0.17	4.3	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.22	742.2	29.93	760.2	49.0	9.4	67	calm	0	0	.....	.....	10 k	.....	w.	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.24	742.7	29.92	760.0	33.0	0.6	88	e	12	5.4	.....	.....	10 s	.....	e.	0.04	1.0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.94	760.5	29.95	760.7	60.7	15.9	80	sw.	19	8.5	.....	8 ck	0	w.	.....	0	0	cloudy	William Daly.
Maginnis, Fort, Montana	25.63	651.0	30.13	765.3	34.6	1.4	49	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.21	741.9	29.96	761.0	31.3	— 0.4	85	ne.	8	3.6	.....	.....	10 s	.....	w.	0.02	0.5	cloudy	J. Gilligan.
Memphis, Tennessee	29.44	747.8	29.78	756.4	68.1	20.1	70	sw	16	7.2	.....	.....	10 s	.....	sw	inap.	inap.	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.00	736.6	29.77	756.1	36.0	2.2	95	ne.	20	8.9	.....	.....	10 n	.....	ne.	0.08	2.0	light rain	S. W. Rhodes.
Mobile, Alabama	29.99	761.7	30.03	762 7	65.4	18.6	94	s.	1	0.4	.....	4 c	1 k	w.	sw.	0.01	0.3	fair	H. U. Jones.
Montgomery, Alabama	29.78	756.4	30.01	762.2	63.7	17.6	87	sw.	7	3.1	.....	.....	10 k	.....	sw.	0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.92	734.6	29.95	760.7	31	— 0.6	88	ne.	12	5.4	.....	.....	10 s	.....	n.	inap.	inap.	cloudy	L. M. Dey.
Mt. Washington, N. H.	23.26	590.8	29.67	753.6	3.0	—16.1	85	nw.	60	26.8	.....	0	fg.	.....	nw.	0.04	1.0	clear	E. A. Beals.
Nashville, Tennessee	29.22	742.2	29.80	756.9	64.2	17.9	62	se.	7	3.1	.....	.....	10k;hs	.....	w.	0	0	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.80	756.9	29.92	760.0	31.7	— 0.2	66	calm	0	0	.....	0	9 s	.....	.....	0	0	cloudy	J. H. Sherman.
New London, Connecticut	29.84	757.9	29.89	759.2	32.0	0.0	63	nw.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.93	760.2	29.99	761.7	69.0	20.6	90	s.	2	0.9	.....	7 c	fg.	nw.	.....	0	0	fair	M. Herman.
New York, New York	29.78	756 4	29.96	761.0	35.4	1.9	47	w	3	1.3	.....	.....	10 s	.....	w.	0	0	cloudy	W. Finn.
Norfolk, Virginia	29.86	758.4	29.89	759.2	50.1	10.1	74	e.	1	0.4	.....	10 ck	0	nw.	.....	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	26.52	673 6	29.48	748.8	28.6	— 1.9	90	n.	38	17.0	.....	.....	10 n	.....	.....	0.95	24.1	light snow	E. F. Brady.
Olympia, Washington T'y	30.04	763.0	30.08	764.0	45.5	7.5	72	s.	1	0.4	.....	4 cs	0	.....	.....	0	0	fair	J. Dascomb
Omaha, Nebraska	28.22	716.8	29.47	747.3	52.0	11.1	80	se.	7	3.1	.....	0	0	.....	.....	0.79	20.1	clear	A. Pollak
Oswego, New York	29.62	752.3	29.96	761.0	33.5	0.8	73	n.	5	2.2	.....	0	9 k	.....	n.	0	0	cloudy	J. G. Linsley.
Palestine, Texas	29.40	746.7	29.96	761.0	58.2	14.6	93	s.	4	1.8	.....	0	8 s	.....	s.	0.42	10.7	cloudy	P. T. Jenkins.
Pensacola, Florida	30.00	762 0	30.03	762.7	58.1	20.1	92	sw.	6	2.7	.....	9c;cs	0	w.	.....	0	0	light snow	M. McGauran.
Philadelphia, Pa	29.87	758.7	30.00	762.0	39.0	3.9	65	ne.	6	2.7	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.35	440.7	29.63	752.6	— 2.0	—16.9	89	n.	40	17.9	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	H. Hall.
Pittsburg, Pennsylvania	29.07	738.4	29.90	759.4	40.8	4.9	61	e.	3	1.3	.....	10 cs	0	.....	.....	0	0	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	33.2	0.7	88	.....	.....	.....	.....	1 c	0	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.13	739.6	29.83	757.7	32.0	0.0	92	e.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	M. H. Perry
Portland, Maine	29.72	754.9	29.77	756.1	32.2	0.1	58	n.	12	5.4	.....	0	0	.....	.....	0	0	clear	W. W. Eichelberger.
Portland, Oregon	30.03	762.7	30.10	764.5	47.4	8.6	82	s.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	M. L. Hearne.
Prescott, Arizona	24.77	629.1	30.04	763.0	20.5	— 6.4	96	s	2	0.9	.....	0	0	.....	.....	0	0	clear	J. Grover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.27	6.9	.....	O. N. Kitchel.
Red Bluff, California	29.84	757.9	30.20	767.1	48.5	9.2	92	sw.	7	3.1	.....	0	5 ks	.....	s.	0	0	fair	J. R. Williams.
Rio Grande City, Texas	29.65	753.1	29.89	759.2	70.0	21.1	93	nw.	4	1.8	.....	0	4 s	.....	nw.	0	0	fair	L. G. Schultz.
Rochester, N. Y	29.30	744.2	29.99	761.7	31	— 0.6	83	w.	3	1.3	.....	.....	10kjsk	.....	w.	0	0	cloudy	E. W. McGann.
Roseburg, Oregon	29.57	751.1	30.13	765.3	47.3	8.5	70	s.	2	0.9	.....	8 c	0	w.	.....	0	0	cloudy	J. J. Nanry.
Sacramento, California	30.14	765.5	30.21	767.3	46.7	8.2	93	se.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.05	737.9	29.68	753.9	55.5	13.1	78	se.	12	5.4	.....	.....	10s;k	.....	sw.	0.88	22.4	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.84	757.9	29.88	758.9	— 7	—21.7	90	sw.	16	7.2	.....	5 cs	0	sw.	.....	0	0	fair	Fred. H. Clarke
St. Paul, Minnesota	28.86	733.0	29.74	755.4	39.0	3.9	68	ne.	17	7.6	.....	5 cs	4 s	se.	.....	0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.19	741.4	30.10	764.5	23.2	— 4.9	88	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.67	652.0	30.04	763.0	36.5	2.5	57	calm	0	0	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	J. Craig.
San Diego, California	30.10	764.5	30.17	766.3	46 4	8.0	88	ne.	5	2.2	.....	0	0	.....	.....	0.18	4.6	clear	F. R. Day.
Sandusky, Ohio	29.14	740.1	29.84	757.9	41.5	5.3	68	e.	8	3.6	.....	.....	10 s	.....	e.	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.93	760.2	29.96	761.0	37.0	2.8	77	nw.	15	6.7	.....	0	9 ks	.....	n.	0	0	cloudy	V. P. Chappel.
Sanford, Florida	30.03	762.7	30.08	764.0	65.0	18.3	81	s.	6	2.7	.....	5 k	0	sw.	.....	0	0	fair	J. B. Marbury
San Francisco, California	30.14	765.5	30.21	767.3	49.9	9.9	89	calm	0	0	.....	0	fg.	.....	.....	0	0	clear	N. Gorom.
Savannah, Georgia	29.94	760.5	30.03	762.7	61.4	16.3	76	sw.	8	3.6	.....	6 ck	hz.	w.	.....	0	0	fair	H. W. Ford.
Shaw, Fort, Montana	26.44	671.6	30.11	764.8	24	— 4.4	88	w.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	A. L. Mathews.
Shreveport, Louisiana	29.61	752.1	29.85	758.2	64.0	17.8	93	e.	8	3.6	.....	0	4 s	.....	e.	0.50	12.7	clearing	E. N. Meekins.
Sitka, Alaska	29.68	753.9	29.75	755.6	33.5	0.8	65	ne.	2	0.9	.....	0	2 k	.....	ne.	0	0	clear	F. W. Fickett.
Smithville, North Carolina	29.93	760.2	29.97	761.2	60.4	15.8	88	sw.	8	3.6	.....	7 cs	0	w.	.....	0	0	fair	O. Parker.
Spokane Falls, Wash. Ter.	27.98	710.7	30.04	763.0	36.2	2.3	82	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	28.95	735.3	29.65	753.1	53.9	12.2	87	s.	16	7.2	.....	2 c	2 s	w.	w.	0.49	12.4	fair	W. Norrington.
Stockton, Fort, Texas	27.00	685.8	30.02	762.5	40.0	4.4	70	nw.	6	2.7	.....	0	4 s	.....	.....	0	0	fair	J. W. Byram.
Tatoosh Id., Wash. Ter	29.94	760.5	30.02	762.5	45.0	7.2	93	sw.	12	5.4	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	R. Connor.
Thomas, Camp, Arizona	27.36	694.9	30.09	764.3	32	0.0	62	calm	.....	.....	0	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.10	739.1	29.81	757 2	41	5.0	73	s.	3	1.3	.....	.....	10 s	.....	.....	0	0	threatening	A. Buell.
Unalashka, Alaska	29.99	761.7	30.01	762.2	20	— 6.7	84	nw.	10	4.5	.....	.....	10 s	.....	sw.	0	0	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.71	754.6	29.97	761.2	66	18.9	84	se.	4	1.8	.....	.....	10 s	.....	.....	0.07	1.8	cloudy	F. W. Mixer.
Washington, D. C	29.87	758 7	29.99	761.7	42.2	5.7	55	ne.	1	0.4	.....	8 ck	hz.	w.	w.	c	0	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.75	654.0	29.70	754.4	37.2	2.9	64	n.	34	15.2	.....	0	9k;s	.....	.....	0	0	cloudy	F. R. Brandenburg
Wilmington, N Carolina	29.90	759 4	29.96	761.0	59.0	15.0	79	sw.	4	1.8	.....	3 cs	4 s	.....	nw.	0.05	1.3	fair	L. H. Albrecht.
Yankton, Dakota	28.17	715.5	29.51	749.5	38.0	3.3	94	ne.	17	7.6	.....	.....	10 s	.....	.....	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.92	760.0	30.14	765.5	49.2	9.6	75	ne.	2	0.9	.....	0	0	.....	ne.	2.05	52.1	clear	W. S Delano.
Sub-series.															.....	inap.	inap.	.....	.....
Behring Island, Kamchatka	30.08	764.0	30.10	764.5	30.6	— 0.8	.....	e.	16	7.2	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	George Oheruick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	82	27.8	.....	ne.	.....	.....	2	0	3 k	.....	ne.	0	0	fair	W. P. Jackson.
Bogota, U. S. C	22.02	559.4	.....	.....	55.4	13.0	88	s.	2	1	.....	2 ck	6 k	w.	w.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.01	762.2	30.16	766.1	13	—10.6	100	sw.	2	0.9	.....	.....	10 n	.....	sw.	0.02	0.5	light snow	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.00	762.0	75	23.9	73	n.	2	0.9	.....	0	0	.....	.....	0	0	fine	Robert Johnstone.
Paramaribo, S. A	30.05	763.3	30.05	763.3	78.5	25.8	89	e.	.....	.....	1	5 ck	5 k	e.	.....	0.100	2.5	.....	Dr. C. J. Herins.
Puerto Berrio, U. S. C	29.38	740.2	29.94	760.5	78	25.6	84	sw.	.....	.....	1	.....	10 ks	.....	s.	0	0	cloudy	Francisco J. Cisneros
Rivas, Nicaragua, C. A	29.87	758.7	30.03	762.7	76.2	24.6	84	no.	.....	.....	1	.....	1 ks	.....	ne.	0	0	clear	Earl Flint.
York Factory, B. A	30.01	762.2	30.08	764.0	—16.5	—26.9	69	nw.	14	6.3	.....	3 k	1 s	nw.	nw.	0	0	fair	Fortescue & Wood.
U. S. of Colombia. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabres.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No 1—North Atlantic.																		
S. S. Alvo, Petit Goave, Hayti, W. I*	30.02	762.5	76	24.4		nw.			4		3		calm	0	0			light haze
S. S. Alps, N. 18° 10′, W. 65° 38′ *†	30.08	764.0	79	26.1		calm			0		0			0	0			clear.
S. S. Anchoria, N. 52° 49′, W. 23° 47′†	29.72	754.9				n.			6		6		n.	3 h'r	3 h'r	h'vy	wnw.	showery.
S. S. Ailsa, Cartagena, U. S. C			80	26.7	91	n.			1		0			0	0			clear.
S. S. Assyrian Monarch, N. 49° 27′, W. 10° 08′						sw.			4		2		wsw.	6 h'r	6 h'r	mod.	wsw.	clear.
S. S. Bohemia, Hamburg, Germany						e.			3-4		6		ese.	0	0			fair.
S. S Bothnia N. 44° 39′, W. 39° 11′	29.99	761.7	61	16.1		ese.			5		10			10 h'r	10 h'r	mod	wnw.	heavy rain.
Bk. U. S. Bushnell, N. 36° 11′, W. 3° 42′	29.93	760.2				wsw.			6		0			0	0	short	w.	clear.
S. S. Cienfuegos, N. 27° 49′, W. 77° 42′	30.16	766.1	68	20.0		w.			2		0			0	0	large	n.	clear.
S. S. Canada, (Fr) N. 44° 42′, W. 41° 50′	29.94	760.5	66.2?	19?		se.			4		10s		se.			r'gh	se.	overcast.
S. E. B. Sutton, N. 40° —′, W. 33° 38′*†	30.10	764.5	62	16.7	94	wnw			2		9		nw.			mod.	w.	hazy.
S. S. Elbe, N. 44° 27′, W. 42° 33′	29.93	760.2	61.7	16.5		s.			2		10		sw.	0	0	long	wsw.	cloudy.
S. S. Frisia, N. 46° 08′, W. 34° 42′	30.10	764.5	47.8	8.8		nnw.			5		3?		n.	0	0	long	n.	cloudy.?
S. S. Fulda, N. 48° 05′, W. 24° 19′	29.60	751.7	48.2	9.0	92	nnw.			7		9		nnw.	0	0	r'gh	nnw.	squally.
S. Henry Failing, N. 42° 30′, W. 31° 36′ *†	30.09	764.3	56	13.3		nne.			4		5		n.	3 h'r	3 h'r	mod.	nnw.	fair.
Bk. Heinrich & Tonio, N. 40° 28′, W. 60° 40′†	29.26	743.2	51	10.6	86	wnw.			4		5		nw.	0	0	light	s.	fair.
S. S. Lord Clive, N. 39° 14′, W. 59° 31′*	29.26	743.2				w.			4		7		w.	0	0	mod.	w.	fine.
Bg. L & W. Armstrong, N. 18° 55′, W. 66° 01′						ne.			1		0			0	0	mod.	nnw.	clear.
S. S. Lone Star, N. 24° 37′, W. 83° 13′ *†	30.14	765.5	78	25.6		se.			2		3		se.	0	0	small	se.	clear.
S. S. Llandaff City, N. 50° 23′, W. 25° 09′			52	11.1		n.			7		8		n.	rain	rain	h'vy	n.	squally.
Schr. Maggie Abbott, N. 29° 24′, W. 70° 06′ *†	30.04	763.0				nw.			3				n.	0	0	cross		clear.
S. S. Madrid, N. 35° 24′, W. 54° 04′ †	29.49	749.0	61	16.1	88	wsw.			6		7		w.	sh'rs	sh'rs	r'gh	ireg.	fair.
S. S. Main, N. 49° 49′, W. 11° 39′	29.19	741.4	48.2	9.0		sw.			4		4		wsw.	7 h'r	7 h'r	long	wsw.	squally.
S. S. Marengo, N. 49° 48′, W. 7° 30′			53	11.7		sw.			5		5		sw.	4 h'r	4 h'r	long	sw.	squally.
S. S Nurnberg, N. 49° 47′, W. 6° 20′	29.39	746.5	53.6	12.0		s.			6		5		s.	1 h'r	1 h'r	mod.	w.	fair.
S. S. Nessmore. N. 38° 10′, W. 71° 00′	29.69	754.1	52	11.1	86	nnw.			5		4		nw.			mod.	n.	cloudy.
S. S. Normandie, N. 46° 52′, W. 24° 28′			46.4	8		nnw.			5-7		5		w.	0	0	h'vy	w.	hazy.
S. S. Orinoco, New York, N. Y			44?	6.7?		nw.			1		7		nw.	0	0			cloudy.
S. S. Rosse, N. 21° 00′, W. 58° 07′	30.07	763.8	77	25.0	73	nw.			3		0			0	0	mod.	nw.	fine.
S. S. Rhaetia, N. 47° 20′, W. 27° 44′			52	11.1		nnw.			6		5		n.	0	0	hv'y	nne.	fair.
S. S. State of Nebraska, N. 41° 32′, W. 55° 39′ *†	29.45	748.0	53	11.7		sw.			5		2		w.	2 h'r	2 h'r	sm'h		blue sky.
S. S. Salier, N. 41° 58′, W. 58° 32′	29.33	745.0				nnw.			2		9		wnw.	8 h'r	8 h'r	light	s.	rainy.
S. S. Scythia, N. 50° 31′, W. 20° 30′	29.27	743.4	48	8.9	100	nnw.			5		6?		nnw.	4 h'r	4 h'r	r'gh	nw.	clear.?
Bk. Tuck Sing, N. 31° 59′, W. 79° 02′ *†	30.08	764.0				sw.			3		0			0	0	long	ne.	clear.
S. S. Valencia, Curacoa, W. I†	30.04	763.0	80	26.7	78	e.			4		3		ene.	0	0			fine.
S. S. Virginian, N. 45° 39′, W. 36° 59′ *	30.07	763.8	54	12.2	93	se.			5				se.			sli't	ene.	fine.
S. S. Westernland, N. 40° 40′, W. 53° 12′	29.49	749.0	61	16.1	82	sse.			6		8		sse.	6 h'r	6 h'r	mod.	ssw.	rainy.
S. S. Waesland, N. 49° 30′, W. 10° 00′			49	9.4		ssw.			6		7		ssw.	1½h'r	1½h'r	r'gh	w.	squally.
Bk. Alpha, N. 19° 00′, W. 54° 20′ *†	30.05	763.3	77.5	25.3		ssw.			2		8		s.	0	0	sm'h		squally.
Schr. Adda Doane, N. 25° 46′, W. 73° 50′ †	30.17	766.3				w.			2		2		w.	0	0	long	nw.	clear.
S. S. America, N. 36° —′, W. 68° —′			63	17.2		nw.			6		8		nw.	6 h'r	6 h'r	high	nw.	stormy.
S. S. Andes, N. 38° 20′, W. 73° —′ *†	29.90	759.4	56?	13.3?		nw.			2		0?					sm'h		cloudy?
S. S. British Princess, Philadelphia, Pa						ne.			4									
S. S. City of Merida, N. 33° 27′, W. 76° 25′						sw.			2		2?		sw.	0	0	h'vy	ne.	cloudy ?
S. S. Chalmette, N. 29° 40′, W 80° 35′ †	30.14	765.5	68	20.0		ssw.			5		0			0	0	sm'h		clear.
S. S. Elysia, N. 40° 02′, W. 68° 48′*	29.68	753.9	38	3.3	100	nnw.			5		7		nnw.	0	0	mod.	nnw.	clearing.
Bk. Esmeralda, N. 56° 07′, W. 10° 26′	29.30	744.2				e.			4		10		ne.	e.	4 h'r	4 h'r	r'gh	crose	cloudy.
S. S. Erin, N. 48° 45′, W. 19° 50′	29.35	745.5	47	8.3		nnw.			6		4		nw.	3 h'r	3 h'r	high	nw.	showery.
S. S. England, New York, N. Y	29.97	761.2				s.			1		2		s.	0	0			fine.
S. Grecian, N. 49° 06′, W. 26° 44′	29.71	754.6	44	6.7	92	n.			6		3		n.	1 h'r	1 h'r	long	nnw.	squally.
Bk. Idaho, N. 27° 00′, W. 71° 00′ *†	30.12	765.0				nnw.			4		0			0	0	mod.	nnw.	clear.
S. S. Italy, N 46° 04′, W. 29° 06′*	29.90	759.4	52	11.1	93	nnw.			4		5		nnw.	2 h'r	2 h'r	r'gh	n.	fair.
Bg. Lilian. N 33° 00′, W. 68° 30′†	29.66	753.4				nw			6		9		nw.	3 h'r	3 h'r	r'gh	var.	cloudy.
S. S. Muriel, Antigua, W. I	30.02	762.5	78	25.6		e.			2		0			0	0	sm'h		clear.
S. S. Neckar, N. 40° 43′, W. 56° 18′	29.42	747.3	50.9	10.5		sw.			1-2		7		sw.	6 h'r	6 h'r	mod.	sw.	fair.
S. S. Ontario, N. 42° 28′, W 60° 11′	29.39	746.5	46	7.8	100	nnw.			4		10			12 h'r	12 h'r	sm'h	nw.	raining.
S. S. Pennsylvania, N. 39° 13′, W. 71° 18′			43	6.1	75	nw.			4		6		wnw.	0	0	mod.	n.	fine.
S. S. Prussian, Boston, Mass	29.79	756.7	37	2.8		wnw.			3		2		nw.	0	0			clear.
Bk. Tros, N. 21° 18′, W. 53° 50′			75	23.9		wsw.			2		2		s.	0	0	sm'h	sse	clear
S. Tsemogora, N. 37° 40′, W. 66° 20′ *†	29.53	750.0				nw.					9		nw.	hail	hail	long	nnw.	squally.?
U. S. S. Alliance, Kingstown, St. Vincent, W. I	30.07	763.8	77	25.0	86	ene.			1		5?		e.	light	light	sm'h		cloudy.
U. S. S. Galena, N. 17° 32′, W. 73° 42′ *	30.04	763.0	78	25.6	78	e.			4		10		e.			sm'h		cloudy.
U. S. S. Jamestown, Guadeloupe, W. I	30.11	764.8	74	23.3	86	nne.			1		10		ene.			sm'h	ene.	raining.
U. S. S. Kearsarge, Jaffa, Syria	29.67	753.6	74	23.3	72	nnw.			2		8		wnw.					fair.
U. S. S. Lancaster, Jaffa, Syria	29.62	752.3	74	23.3	90	n.			1		5?		ssw.			long	ssw.	cloudy.?
U. S. S. Portsmouth, St. Thomas, W. I	30.09	764.3	75	23.9	90	nne.			2		5		nne.					fair.
U. S. S. Quinnebaug, N. 41° 52′, E. 9° 52′	29.85	758.2	64	17.8	78	s.			1		2							fair.
U. S. S. Saratoga, N. 38° 36′, W. 9° 30′	29.90	759.4	60	15.6	82	sw.			5		8		sw.	light	light		sw	fair.
U. S. S. Swatara, Key West, Fla	30.11	764.8	75	23.9	77	e.			1		5		e.	0	0			fair.
U. S. S. Vandalia, Key West, Fla	30.11	764.8	72	22.2	80	ese.			2		5		ese.					fair.
U. S. S. Yantic, N. 24° 25′, W. 72° 17′	30.20?	767.1?	71	21.7	71	nnw.			1		2		nw.			long	nnw	clear.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.79	756.7	63	17.2	83	ne.			4		10		nne.					overcast.
H. M. S. Alecto, N. 5° 06′, W. 1° 14′	29.83	757.7	83	28.3		ssw.			2		4					3	ssw.	d. clouds.
H. M. S. Minotaur, N. 35° 43′, E. 24° 12′	29.77	756.1	60	15.6	82	nne.			4		10					1	nne.	misty.
H. M. S. Tyne, N. 35° 27′, E. 24° 48′	29.77	756.1	59	15.0	94	e.			5		10		e.			3	e.	d. clouds.
H. P. M. S. Bengo, Bulama, Senegambia			80.6	27.0	69	wnw.			2		10		ese.	0	0	1		gloomy.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.85	758 3	88.2	31.2	78	nne.			3		7		ne.	0	0	3	ene.	d. clouds.
S. S. Lord Gough, N. 50° 26′, W. 18° 00′			49	9.4		nnw.			5		8		nnw.	sh'rs	sh'rs	high	cross	cloudy.
S. S. Ohio, (Am) N. 42° 39′, W 40° 46′ †	29.91	759.7	58.5	14.7	58	sw.			3		10		w.	5 h'r	5 h'r	h'vy	wsw.	overcast.
S. S. Scandinavian, Glasgow, Scotland	29.45	748.0	51	10.6		ssw.			3		5		ssw.	4 h'r	4 h'r			d. clouds.
S. S. Sardinian, N. 43° 35′, W. 64° 21′	29.52	749.8	34	1.1		nnw.			3		10			8 h'r	8 h'r	sli't		snowing.
S. S. Dorian, Valencia, Spain	29.88	758.9				se.			2					0	0			fine.
S. S. France, (Br.) N. 40° 35′, W. 67° 11′*†	29.63	752.6				nw.			6		9		nw.	snow	snow	h'vy	w.	covered.
S. S. St. Laurent, Havre, France	29.61	752.1	63.5	17.5		s.			3		8		s.	0	0			cloudy.
S. S. Westphalia, Hamburg, Germany	29.94	760.5	52	11.1		se.			3		4		se.	0	0			clear.
S. S. Moravia, N. 40° 22′, W. 68° 35′			35.6	2		nw.			5-6		2		nw.	0	0	mod.	nw.	fair.
S. S. Hevelius, N. 35° 22′, W. 15° 22′†	29.93	760.2	60	15.6		wsw.			5		7		w.	1 h'r	1 h'r	sm'h		cloudy.
S. S. Archimede (It), Marseille, France†	29.87	758 7	66	18.9		se			4		1		ese.	0	0			clear.
S. S. Donau, N. 49° 48′, W. 6° 42′	29.39	746.5				s.			6		3		s.	1 h'r	1 h'r	r'gh	sw.	fair.
S. S. Baltimore, N. 37° 26′, W. 68° 12′*	29.07	753.6	35.6?	2.0?		nnw.			6		8		nw.	0	0	r'gh	nnw.	fair
S. S. City of Augusta, Savannah, Ga *†	29.97	761.2				wnw.			3		5		nnw.	0	0			clear.?
S. S. Rhynland, N. 40° 46′, W. 57° 30′			57	13.9	87	w.			2		0			6 h'r	6 h'r	sm'h		clear.
S. S. Pennland, Antwerp, Belgium *†	29.74	755.4	60	15.6	71	sse.			1		4		se.	0	0			fine.
S. S. Amsterdam, Amsterdam, Holland			54.7	12.6	81	se.			2		2		se.	0	0			fair.
S. S. W. A. Scholten, New York, N. Y *	29.91	759.6	37.8	3.2	76	wnw.			4		7		nw.	0	0			fair.
S. S. Zaandam, New York, N. Y	29.98	761.5	48.2?	9.0?	88	wnw.			4					0	0			cloudy.
S. S. Maasdam, N. 48° 57′, W. 12° 02′*	29.24	742.7	52	11.1	73	sw.			5		8		sw.	9½h'r	9½h'r	5	w.	cloudy.
S. S. Saxon, Philadelphia, Pa						n			1		10		ne.	light	light			snowing.
S. S. Baltic, N. 42° 00′, W. 50° 29′*†	29.73	755.1				se.			3		10		s.	mist	mist	light	s.	covered.
S. S. Lepanto, N. 31° 41′, E. 31° 50′	29.55	750.6	65	18.3		e.			6		5		se.	0	0	mod.	e.	hazy.
S. S. Salerno, N. 42° 11′, W. 66° 36′			35	1.7		nw.			4		10		nnw.	0.5	13.	mod.	nnw.	overcast.
S. S. Iowa, N. 42° 45′, W. 45° 49′†	29.88	758.9	67?	19.4?		ssw.			4		5		ssw.	2 h'r	2 h'r	mod.	ssw.	fair.
Bg. Alcira. N. 27° 25′, W. 65° 40′	29.96	761.0	64	17.8		nw.			6		5?		nw.	0	0	long	nnw.	clear.?
S. S. Antonio Lopez, Havana, Cuba, W. I	30.11	764.8	66	18.9	86	ese.			1		0			0	0			clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Amount and kind.		Direction.						
								Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																	
Schr. Arthur Burton, Ponce, Porto Rico, W. I†	30.09	764.3	.....	.....	.....	calm	.....	.....	0	.....	2	.....	calm	0	0	sm'h	.....	fine.
Schr. Annie R. Lewis, N. 30° 24′, W. 64° 50′	.....	.....	64	17.8	.....	nw.	.....	.....	5	.....	8	.....	nw.	6 h'r	6 h'r	h'vy	nw.	cloudy.
Schr. Annie A. Holton, N. 34° 41′, W. 72° 02′ ..	.....	.....	56	13.3	.....	nnw.	.....	.....	6	.....	2	.....	wnw.	0	0	r'gh	n.	clear.
Bk. Aureola, N 37° 49′, W. 39° 10′	.....	.....	64.5	18.1	92	ssw.	.....	.....	5	.....	8	.....	sw.	0	0	mod.	sse.	hazy.
Bg. Abbie Clifford N. 11° 28′ W, 61° 09′†	30.00	762.0	80	26.7	.....	ne.	.....	.....	4	.....	2	.....	.....	0	0	small	ese	hazy.
Bgt. Achsah, Port of Spain, Trinidad, W. I †	30.03	762.7	79	26.1	.....	calm	.....	.....	0	.....	4	.....	e.	1 h'r	1 h'r	.....	.....	clear.
Schr. Abbie H. Gheen, N. 35° 10′, W. 73° 00′ *†....	30.03?	762.7?	60	15.6	.....	wnw.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
Bk. Bore, N. 1° 22′, W. 24° 42′	.....	.....	83	28.3	.....	ese.	.....	.....	2	.....	8	.....	ese.	2 h'r	2 h'r	sm'h	.....	cloudy.
S. S. Bracadale, N 34° 40′, E. 19° 20′	.....	.....	66	18.9	.....	e.	.....	.....	5	.....	5?	.....	e.	0	0	sll't	e.	clear.?
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	29.99	761.7	78	25.6	.....	ene	.....	.....	4	.....	8	.....	ene.	6 h'r	6 h'r	.....	.....	cloudy.
Bk. Cato, N. 42° 05′, W 11° 50′†....	29.66	753.4	56	13.3	87	nnw.	.....	.....	1	.....	8	.....	s.	4 h'r	4 h'r	cross	var.	raining.
S. Cornelius, N. 37° 05′, W. 16° 35′*†	29.89	759.2	59.4	15.2	.....	sw.	.....	.....	6	.....	4	.....	sw.	0	0	cross	n;sw.	fair.
S. E. J. Spicer, New York, N. Y.	29.92	760.0	36	2.2	80	w.	.....	.....	1	.....	10	.....	nw.	0	0	.....	.....	cloudy.
Schr. Edith R. Seward, N. 29° 10′, W. 71° 15′ ..	.....	.....	65	18.3	.....	nw.	.....	.....	4	.....	5?	.....	nnw.	0	0	long	nnw.	clear.?
U.S. Fish Com. S. S. Fish Hawk, Fernandina, Fla †	30.09	764.3	63	17.2	.....	sw.	.....	.....	3	.....	2	.....	sw.	0	0	sm'h	.....	clear.
Bg. George, N. 18° 35′, W. 67° 20′ *†	30.11	764.8	.....	.....	.....	nne.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Grecian, N. 31° 00′ W. 44° 05′†	30.13	765.3	70	21.1	85	s.	.....	.....	6	.....	10	.....	sw.	1 h'r	1 h'r	mod.	se.	cloudy.
Bk. Guleon, N. 13° 12′, W. 39° 05′†	30.02	762.5	75	23.9	.....	ene.	.....	.....	4	.....	4	.....	ene.	0	0	.....	ne.	blue sky.
Bk. Hattie G. McFarland, N. 15° 08′, W. (72°)? 52′	.....	.....	78	25 6	.....	nnw.	.....	.....	5	.....	3	.....	n.	0	0	long	ne.	fine.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	88	31.1	.....	wsw.	.....	.....	3	.....	5	.....	w.	3 h'r	3 h'r	.....	.....	fair.
Schr. Jennie N. Huddell, off Hog Island, Va.	.....	.....	49	9.4	.....	ne.	.....	.....	3	.....	5	.....	e.	0	0	light	ene.	threatening.
Bg. John Wesley, sagua la Grande, Cuba, W. I *†	30.15	765.8	.....	.....	.....	sse.	.....	.....	1	.....	1	.....	se.	0	0	.....	.....	clear.
Bg. John Welsh, jr., N. 17° 50′, W. 66° 20′†	30.03	762.7	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, Zaza, W. I *†	30.12	765.0	.....	.....	.....	ene.	.....	.....	5	.....	.....	.....	ene.	0	0	.....	.....	fine.
Schr. Jenny Greenbank, Orinoco river, Venezuela *..	30.00	762.0	77	25.0	.....	e.	.....	.....	1	.....	4	.....	ene.	4 h'r	4 h'r	.....	.....	
Light-house tender Laurel, off Cape Romano, Fla†	30.12	765.0	70	21.1	.....	ese.	.....	.....	2	.....	3	.....	se.	0	0	.....	.....	clear.
S. S. Mendoza, N. 14° 58′, W. 52° 21′	.....	.....	.....	.....	.....	ese.	.....	.....	2	.....	.....	.....	ese.	0	0	sm'h	ese.	clear.
Bg. Rising Sun, N. 25° 17′, W. 58° 55′†	29.93	760.2	70	21.1	.....	wnw.	.....	.....	5	.....	5	.....	wnw.	light	light	long	wnw.	
Bk. Rosalie, N. 29° 03′, W. 31° 44′*†	30.29	769.4	.....	.....	.....	ne.	.....	.....	2	.....	0	.....	.....	0	0	light	nne.	clear.
Bkt. Rosebud, N. 37° 53′, W. 16° 10′ *.....	29.86	758.4	58	14.4	.....	wnw.	.....	.....	7	.....	8	.....	w.	rain	rain	short	wnw.	squally.
S. Ringleader, N. 4° 30′, W. 28° 15′ †	29.87	758.7	82	27.8	59	e.	.....	.....	6	.....	9	.....	e.	0	0	mod.	e.	
S. Salisbury, N. 39° 09′, W. 57° 00′	29.36	745.7	55.0	12.8	81	sw.	.....	.....	4	.....	6 k	.....	sw.	6 h'r	6 h'r	long	w.	fair.
Bk. Saga, N. 31° 30′, W. 66° 20′ †	29.42	760.0	61	16.1	.....	.....	.....	.....	8–10	.....	5	.....	.....	¾ h'r	¾ h'r	10	.....	fair.
Bk. Sunbeam, Lisbon, Portugal†...	29.91	759.7	62?	16.7?	88	wsw.	.....	.....	7	.....	8	.....	wsw.	½ h'r	½ h'r	.....	.....	cloudy.
Bgt. Sunlight, N. 31° 40′, W. 69° 20′	.....	.....	.....	.....	.....	nnw.	.....	.....	5	.....	6	.....	wnw.	1 h'r	1 h'r	h'vy	nw.	squally.
S. Stephen D. Horton, N. 44° 40′, W. 41° 00′†	29.98	761.5	.....	.....	.....	se.	.....	.....	4	.....	10	.....	s.	16 h'r	16 h'r	mod.	sw.	rain & fog.
Bk. Silica, N. 58° 55′, W. 27° 00′*	30.02	762.5	.....	.....	.....	nne.	.....	.....	7	.....	5	.....	ne.	rain	rain	r'gh	ne.	fair.
Schr. Viola Reppard, Sagua la Grande, Cuba, W. I†...	30.15	765.8	76	24.4	.....	e.	.....	.....	4	.....	2	.....	e.	0	0	.....	.....	clear.
Schr. John Bracewell, Philadelphia, Pa†	29.93	760.2	38	3.3	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	light snow.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.95	760.7	75	23.9	64	w.	4	1.8	.....	.....	0	.....	.....	0.01	0.3	.....	.....	clear.
U. S. S. Pensacola, S. 8° 20′, W. 18° 04′†	30.00	762.0	82	27.8	83	ese.	.....	.....	4	.....	2	.....	ese.	0	0	long	ese.	clear.
U. S. S. Shenandoah, Rio de la Plata river*	30.22	767.6	64	17.8	89	ese.	.....	.....	6	.....	5	.....	se.	.....	.....	mod.	se.	fair.
H. M. S. Amethyst, Montevideo, Uruguay	30.14	765.5	65	18.3	80	se.	.....	.....	3	.....	4	.....	se.	.....	.....	2	se.	d. clouds.
H. M. S. Boadicea, S. 24° 25′, E. 14° 22′	29.90	759.4	60	15.6	.....	sse.	.....	.....	2	.....	4	.....	sse.	.....	.....	3	ssw.	d. clouds.
H. M. S. Sylvia, S. 30° 51′, W. 42° 48′	29.98	761.5	61.2	16.2	77	se.	.....	.....	2–4	.....	10	.....	.....	.....	.....	3	se.	showery.
Bk. Adelaide, S. 5° 57′, W. 34° 57′*†	29.90	761.0	86	30.0	.....	e.	.....	.....	5	.....	1	.....	ne.	0	0	light	e.	clear.
Bk. Achille F., S. 12° 45′, W. 33° —′*†	30.00	762.0	80	26.7	87	ne.	.....	.....	4	.....	4	.....	e.	16 h'r	16 h'r	long	s.	fine.
S. Frank N. Thayer, S. 15° 50′, W. 27° 00′ *	29.89	759.2	.....	.....	.....	e.	.....	.....	2	.....	1 k	.....	e.	0	0	light	se.	blue sky.
S. Gatherer. S. 20° 20′, W. 37° 07′ †	29.99	761.7	85	29.4	76	se.	.....	.....	1	.....	2	.....	se.	0	0	sm'h	se.	clear.
S. Ismir, S. 0° 54′, W. 35° 28 *†	29.74	755.4	.....	.....	.....	n.	.....	.....	1	.....	8	.....	n.	0	0	long	sse	flue.
Bkt. Levanter, S. 14° 44′. W. 30° 23′	30.00	762 0	84	28.9	.....	e.	.....	.....	1	.....	10	.....	n.	0	0	light	se.	squally.
S. S. Strassburg, S. 31° 03′, W. 49° 32′	30.13	765.3	75.0	23.9	68	se.	.....	.....	4	.....	6	.....	se.	2 h'r	2 h'r	4	sse.	cloudy.
Bk. Xenia, S. 6° 56′, W. 28° 52′*†	30.04	763.0	85	29.4	.....	se.	.....	.....	4	.....	2	.....	se.	0	0	mod.	sse.	clear.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela.	29.80	757.0	75.2	24.0	87	nw.	.....	.....	2	.....	2	.....	.....	0	0	1	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska†	29.72	754.9	33	0.6	89	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	fair.
U. S. Naval Hospital, Yokohama, Japan	29.47	748 5	43	6.1	92	nw.	.....	.....	1	.....	10	.....	n.	1.60	40.6	.....	.....	gloomy.
U. S. S. Alert, Shanghai, China	30.29	769.4	46	7.8	77	n.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Essex, N. 30° 23′, E. 153° 22′	30.14	765.5	62	16.7	88	ese.	.....	.....	5	.....	10	.....	.....	.....	.....	mod.	se.	overcast.
U. S. S Juniata, off Roze Island, Corea	30.07	763.5	41	5.0	91	nne.	.....	.....	5	.....	10	.....	.....	rain	rain	.....	.....	cloudy.
U. S. S. Monocacy, Canton river, China	30.13	765 3	61	16.1	66	nnw.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....	cloudy.
U. S. S. Richmond, Canton river, China	30.14	765.5	62	16.7	77	n.	.....	.....	3	.....	10	.....	n.	0	0	.....	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	30.08	764.0	62	16.7	88	calm	.....	.....	0	.....	10	.....	ene.	.....	.....	.....	.....	overcast.
H. M. S. Cleopatra, N. 30° 29′, E. 122° 39′	30.29	769.4	.....	.....	.....	n.	.....	.....	3	.....	0	.....	.....	.....	.....	1	n.	blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.18	766.6	58	14.4	66	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	2	e.	raining.
H. P. M. S. Tamega, Macao, China	30.15	765.7	68.9	20.5	77	wsw.	.....	.....	6	.....	8	.....	ese.	1 h'r	1 h'r	.....	.....	thund'r st'm
U. S. S. Palos, Shanghai, China	30.30	769.6	43	6.1	75	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. Arabic, N. 31° 27′, E. 161° 30′*†	30.31	769.9	59	15.0	88	e.	.....	.....	4	.....	2	.....	e.	0	0	sm'h	.....	blue sky.
S. S. City of Chester, San Francisco, Cal †	30.19	766.8	49	9.4	78	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Columbia, Columbia river, Oregon *†	30.07	763.8	46	7.8	88	sse.	.....	.....	1	.....	10	.....	calm	c	0	.....	.....	cloudy.
S. S. Oregon, N. 45° 05′, W. 124° 16′†	30.14	765.5	48.5	9.2	81	se.	.....	.....	2	.....	10	.....	ssw.	.....	.....	long	sw.	gloomy.
S. S. Alameda, Honolulu, Sandwich Islands†	30.18	766.6	73	22.8	.....	ne.	.....	.....	5	.....	4	.....	.....	0	0	.....	.....	fine.
S. S. State of California, San Francisco, Calf	30.19	766.8	45	7.2	100	sw.	.....	.....	1	.....	5	.....	sw.	d	0	.....	.....	fair.
S. S. City of Pekin, N. 22° 13′, E. 114° 55′†	30.09	764.3	64	17.8	94	nne.	.....	.....	5	.....	10	.....	nne.	mod.	mod.	mod.	nne.	rainy.
S. S. City of Rio de Janeiro. N. 33° 26′, W. 133° 21′†	30.09	764.3	59	15.0	.....	nw.	.....	.....	5	.....	7	.....	n.	.....	.....	small	nnw.	cloudy.
S. S. Granada, N. 7° 37′, W. 79° 50′†	29.92	760.0	73	22.8	81	n.	.....	.....	1	.....	2	.....	n.	0	0	light	sse.	clear.
S. S. San Blas, N. 12° 38′, W. 88° 25′†	29.92	760.0	79	26.1	91	ne.	.....	.....	4	.....	0	.....	.....	0	0	h'vy	se.	smoky.
S. S. Benalder, N. 13° —′, E. 109° 30′	29.89	759.2	82	27.8	91	sse.	.....	.....	2	.....	7	.....	s.	0	0	sm'h	.....	cloudy.
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 23° 44′, W. 70° 38′	30.01	762.2	62	16.7	88	calm	.....	.....	0	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	72	22.2	85	se.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao Bay, Peru *†	30.06	763.5	71	21.7	95	s.	.....	.....	1	.....	10	.....	s.	.....	.....	long	w.	cloudy.
U. S. S. Pinta, Talcahuano, Chili	29.89	759.2	57	13.9	87	nw.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	rainy.
U. S. S. Wachusetts, Valparaiso, Chili	30.00	762.0	57	13.9	94	calm	.....	.....	0	.....	5	.....	.....	.....	.....	sm'h	.....	cloudy
H. M. S. Espiegle, S. 33° 43′, E. 154° 20′	30.32	770.1	71	21.7	100	ese.	.....	.....	4	.....	5	se.	.....	.....	.....	2	ne.	d. clouds.
H. M. S. Nelson, Sydney, N. S. W.	30.20	767.1	69	20.6	95	w.	.....	.....	1	.....	8	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 25° 15′, W. 70° 51′	30.09	764.3	64	17.8	78	calm	.....	.....	0	.....	1	s.	.....	.....	.....	2	s.	misty.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	30.01	762.2	58	14.4	.....	se.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	overcast.
S. S. Australia, S. 14° 42′, W. 171° 06′*	29.73	755.1	84	28.9	75	var.	.....	.....	1	.....	0?	.....	.....	1 h'r	1 h'r	long	se.	cloudy.?
S. S. City of Sydney, S. 36° 12′, E. 175° 50′*†	30.38	771.6	67	19.4	79	s.	.....	.....	2	.....	2 k	.....	s.	.....	.....	.....	.....	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.78	756.4	84	28.9	64	nw.	.....	.....	5–6	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Eurydus, Suakin, Egypt	29.76	755.9	80	26.7	78	ne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S. 11° 10′, E. 97° 47′	29.87	758.7	78.9	26.1	89	e.	.....	.....	3	.....	10	.....	.....	.....	.....	4	se.	raining.
Bk. Childwall, off Cape Willoughby N.S.W.*	29.80	756.9	68	20.0	79	s.	.....	.....	6	.....	.....	.....	s.	0	0	.....	.....	fair.
S. J. W. Gildemeister, S. 8° 42′, E. 103° 55′...	29.92	760.0	78.8	26	84	wsw.	.....	.....	1	.....	8 cu	.....	w.	1 h'r	1 h'r	3	var.	gloomy.
Bk. Nouva Margherita, S. 6° 00′, E. 105° 07′*†	29.79	756.7	.....	.....	.....	w.	.....	.....	2	.....	.....	.....	w.	rain	rain	sm'h	.....	raining.
S. Orealia, S. 2° 28′, E. 82° 20′*	29.81	757.2	.....	.....	.....	wnw.	.....	.....	4	.....	5	.....	se.	0	0	sm'h	w.	fair.

International Chart I. April 1, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 2, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
ALGERIAN.																			
Nemours	.....	.....	29.95	760.6	68.7	20.4	71	e.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair...	Rozieres.
Algiers	.....	.....	29.96	761.0	66.2	19.0	64	nne.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	Théve
La Calle	.....	.....	29.86	758.4	64.4	18.0	63	ene.	.....	.....	5	.....	2	.....	.....	0	0	fair.....	Fonfrède.
Tunis	.....	.....	29.84	757.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.98	761.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.03	762.8	70.5	21.4	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	Abraham.
Biskra	.....	.....	29.98	761.5	72.0	22.2	52	w.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.20	767.1	61.0	16.1	82	s.	7	3.1	.....	.....	10 k	.....	.....	Inap.	Inap.	overcast.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.68	755.9	29.87	758.7	60.5	15.8	91	ese.	10	4.5	.....	.....	2	.....	n.	0	0	clear.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.98	761.5	30.07	763.8	66.0	18.9	88	s.	3	1.3	.....	.....	10	.....	.....	0.19	4.8	light rain....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.37	746.0	29.91	759.7	63.5	17.5	43	nw.	.....	.....	3	.....	3	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.21	741.9	29.98	761.6	48.6	9.2	51	ne.	9.4	4.2	.....	.....	5	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.08	738.6	29.97	761.1	48.2	9.0	44	n.	.....	.....	4	.....	0	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.65	727.7	29.88	759.0	61.5	16.4	50	s.	.....	.....	1	.....	3	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.46	722.8	29.87	758.7	55.6	13.1	35	n.	.....	.....	3	.....	10	.....	.....	0.016	0.4	.....	Prof. A. Gottschlitz
Kremsmunster, Obs'y	28.55	725.2	29.87	758.7	57.4	14.1	54	ene.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	The Staff.
Lemberg	28.99	736.4	30.00	762.0	43.0	6.1	43	e.	.....	.....	1	.....	9	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.82	757.4	29.93	760.2	59.5	15.3	78	wnw.	.....	.....	3	.....	0	.....	.....	c	0	.....	I. R. Hydrographic Office.
Szathmar	29.34	745.1	.....	.....	55.6	13.1	41	n.	.....	.....	5	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.63	752.6	29.91	759.7	58.1	14.5	39	s.	.....	.....	1	.....	5	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.85	758.3	29.95	760.8	60.4	15.8	56	sw.	.....	.....	1	.....	1	.....	.....	0	0	.....	Royal Academy.
Vienna	29.22	742.1	29.93	760.1	57.2	14.0	58	e.	.....	.....	1	.....	1	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	63.3	17.4	43	se.	.....	.....	2	.....	1	.....	.....	0	0	.....	
Brussels	29.57	751.0	29.76	755.9	67.5	19.7	45	s	.....	.....	4	.....	1	.....	s.	0	0	.....	
Furnes	29.69	754.2	29.71	754.7	66.2	19.0	51	sse.	.....	.....	4	.....	1	.....	.....	0.004	0.1	.....	
Maeseyck	29.69	754.0	29.81	757.2	72.5	22.5	50	ssw.	.....	.....	2	.....	2	.....	.....	0	0	foggy.....	
BRITISH.																			
Aberdeen	29.56	750.8	29.66	753 4	43.7	6.5	98	e.	8	3.6	.....	.....	10	.....	.....	0.170	4.3	drizzling....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.49	749.0	56.1	13.4	69	e.	19	8.5	.....	.....	10	.....	.....	.....	.....	overcast.....	John Hartnup.
Bolton, Sharples	28.98	736.1	29.57	749.5	57.4	14.1	64	sse.	12	5.4	.....	.....	9	.....	.....	.....	.....	overcast.....	Thomas Mackereth.
Bradford, Yorkshire	29.15	740.4	29.54	750.3	55.6	13.1	77	s.	.....	.....	4	.....	9	.....	.....	0.35	8.9	d. clouds....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.02	762.5	30.05	763.3	82.0	27.8	75	e.	.....	.....	4	.....	1	.....	.....	.....	.....	d. clouds....	Corp'l O. McGregor, A.H.O
Oardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E.	29.48	748.8	29.65	753.1	63.6	17.6	63	sw.	.....	.....	3	.....	5	.....	.....	blank	blank	d. clouds....	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.25	742 9	29.48	748.8	51.2	10.7	87	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Fort Napier, Natal	27.85	707.4	30.16	766.1	70.0	21.1	63	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	gloomy.....	Corp'l C. Stares, A.H.O.
Freetown, Sierra Leone	29.63	752.6	29.86	758.4	87.0	30.6	58	e.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds....	J. W. Smith.
Galway, Queen's College	29.21	741.9	29.25	742 9	51	10.6	72	se.	.....	.....	3	.....	6	.....	.....	0	0	gloomy.....	Wm. Ryan.
Gibraltar, Mediterranean	29.85	758.2	29.95	760.7	57.3	14.1	94	nw.	.....	.....	5	.....	10	.....	.....	.....	.....	gloomy.....	Sgt. A. Rand, A. H.O.
Greenwich, Royal Obs'y	29.45	748 0	29.62	752.3	65.3	18.5	57	sse.	.....	.....	4	.....	3	.....	.....	.....	.....	blue sky.....	The Staff.
Guernsey	29.25	742.9	29.55	750.6	52.0	11.1	88	sse.	.....	.....	2	.....	10	.....	.....	0.77	19.6	showery.....	A. Collenette, F.R.M.S
Kew, Observatory	29.57	751.1	29.60	751.8	63.8	17.7	56	s.	23	10.3	.....	.....	4	.....	.....	.....	.....	d. clouds....	The Staff.
Leicester, Museum	29.29	744.0	29.54	750.3	61.2	16.2	85	s.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds....	J. C. Smith.
Malta, Mediterranean	29.69	754.1	29.77	756.1	62.0	16.7	75	nw.	.....	.....	3	.....	3	.....	.....	0	0	blue sky.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.03	762.7	30.07	763.8	76.5	24.7	68	sw.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.33	745.0	29.56	750.8	62.0	16.7	66	s.	.....	.....	5	.....	5	.....	.....	.....	.....	d. clouds....	The Staff.
Plymouth	29.42	747.3	29.49	749.0	50.3	10.2	96	s.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast.....	John Merrifield.
Sandwick Manse, Orkneys	29.55	750.6	29.65	753.1	47	8.3	92	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.53	757.7	29.90	759.4	45.2	7.3	61	ne.	.....	.....	2	.....	10	.....	.....	blank	blank	d. clouds....	W. H. Lyne.
Sheffield	29.29	744 0	29.56	750.8	61.9	16.6	61	se	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds....	W. F. Cooper.
Silloth Rectory	29.47	748.5	29.50	749.3	55.0	12.8	82	se.	.....	.....	1	.....	10	.....	.....	0.170	4.3	overcast.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.54	750.3	55.3	12.9	72	se.	12	5.4	.....	.....	10	.....	.....	0.045	1.2	overcast.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	65.3	18.5	61	sw.	.....	.....	2.5	.....	7	.....	.....	.....	.....	d. clouds....	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.25	742.9	29 28	743.7	50.4	10.2	66	sse.	30	13.4	.....	.....	4	.....	.....	blank	blank	d. clouds....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.65	753.1	30.04	763.0	63.3	17.4	61	nw.	2.5	1.1	.....	0	0	.....	.....	0	0	clear.....	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.99	761.7	30.11	764.8	58.7	14.8	65	e.	33	14.8	.....	.....	10 k	.....	ene.	0.470	11.9	overcast.....	The Staff.
CANADIAN.																			
Bathurst, N. B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Charlottetown, P. E. Island	29.42	747.3	29.46	748.3	38.0	3.3	.....	calm	0	0	.....	.....	10 n	.....	.....	Inap.	Inap.	overcast.....	Hon. J. Ferguson.
Chatham, N. B*	29.32	744.7	29.36	745.7	34	1.1	98	n.	10	4.5	.....	.....	10 n	.....	.....	0.29	7.4	cloudy.....	H. J. Cundall, C. E.
Cornwall, Ontario	29.42	747.3	29.48	748.8	38	3.3	92	n.	4	1.8	.....	.....	10 s	.....	n.	0.11	2.8	cloudy.....	G. A. Blair.
Dalhousie, N. B	29.31	744.5	29.51	749.5	29.8	— 1.2	91	e.	.....	.....	1	.....	10 s	.....	.....	0	0	overcast.....	Jas. Smith, M. A.
Father Point, Quebec*	29.44	747.8	29.49	749.0	37.0	2.8	.....	sw.	.....	.....	1	.....	10 n	.....	.....	.....	.....	raining.....	H. A. Johnson.
Fort Garry, Manitoba*	29.55	750.6	29.58	751.3	30	— 1.1	88	w	3	1.3	.....	.....	10 n	.....	w.	0	0	threatening	J. McWilliams
Fredericton, N. B	29.28	743.7	30.17	766.3	20	— 6.7	100	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	James Stewart.
Grand Manan, N. B	29.45	748.0	29.52	749.8	33.0	0.6	80	nw.	8	3.6	.....	.....	10 s	.....	.....	0	0	overcast.....	Dr. Thos. Harrison.
Granton, Ontario	29.47	748.5	29.52	749.8	34	1.1	69	nw.	7	3.1	.....	2k; hz	0	nw.	.....	0	0	fair.....	J. Chipman Seeley
Halifax, N. S*	28.20	716.3	29.32	744.7	29.0	— 1.7	100	e.	5	2.2	.....	.....	10 n	.....	.....	0.500	12.7	overcast...	Jas. Grant.
Hamilton, Ontario	29.29	744.0	29.43	747.5	35	1.7	96	w.	7	3.1	.....	10 k	0	n.	.....	0.080	2.0	cloudy.....	A. Allison.
Kingston, Ontario*	29.88	758.9	30.31	769.9	32.2	0.1	97	ne.	.....	.....	2	10 cs	0	ne.	.....	0.210	5.3	overcast.....	Geo. Dickson, B. A.
Little Glace Bay, N. S	29.09	738.9	29.43	747.5	31	— 0.6	92	n.	10	4.5	.....	.....	10 n	.....	n.	0.10	2.5	light snow...	A. P. Knight, M. A
London, Ontario	29.24	742 7	29.28	743.7	38.0	3.3	100	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	rain & fog...	C. H. Rigby.
Medicine Hat, N. W. T	28.41	721.6	29.33	745.0	30.8	— 0.7	96	ne.	.....	.....	2	.....	10 ks	.....	.....	0.230	5.8	overcast.....	E. B. Reed.
Minnedosa, N. W. T	27.67	702.8	30 00	762 0	35	1.7	96	s.	20	8.9	.....	0	0	.....	.....	0	0	blue sky.....	John Ewart.
Montreal, Quebec*	28.15	715.0	30.16	766.1	27	— 2.8	100	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	Rev. J. M. Wellwood.
Ottawa, Ontario	29.37	746.0	29.58	751.3	27	— 2.8	80	ne.	4	1.8	.....	.....	10 s	.....	sw.	0	0	overcast.....	C. H. McLeod, C. E.
Parry Sound, Ontario*	29.36	745.7	29.58	751.3	28.6	— 1.9	77	ene.	.....	.....	.....	.....	10 s	.....	.....	0	0	overcast.....	A. McCill, M. A.
Peterboro, Ontario	28.79	731.3	29 49	749.0	33	0.6	88	ne	14	6.3	.....	.....	10 n	.....	e.	0	0	cloudy.....	Rev. R. Mosley.
Port Arthur	28.62	726 9	29.37	746.0	34.7	— 0.2	76	ne.	.....	.....	1	.....	10 k	.....	.....	0.02	0.5	overcast.....	Wm. O'Connor, M.A.
Port Dover, Ontario	29 31	744.5	30.05	763.3	27	— 2.8	77	nne.	4	1.8	.....	0	0	.....	.....	0	0	blue sky.....	W. P. Cooke.
Port Stanley, Ontario	28.57	725.7	29.27	743.4	33	0.6	100	ne.	13	5.8	.....	.....	10 n	.....	.....	0.26	6.6	threatening	H. Morgan.
Qu Appelle, N. W. T	28.64	727.4	29.29	744.0	33	0.6	80	ne.	14	6.3	.....	.....	10 n	.....	ne.	0.51	13.0	cloudy.....	M. Payne.
Quebec, Quebec*	27.81	706.4	30.10	764.5	42	5.6	.....	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	Leslie Gordon.
Rockliffe, Ontario*	29.24	742.7	29.61	752.1	27	— 2.8	92	calm	0	0	.....	10 cs	0	.....	.....	0	0	cloudy.....	Capt. Ashe, R.N.
St. Andrews, N. B	29.10	739.1	29.57	751.1	29	— 1.7	84	ne.	25	11.2	.....	.....	s	.....	ne.	0	0	threatening	W. H. McIntyre.
St. John, N. B	29.46	748.3	29.51	749.5	32	0.0	89	nw.	2	0.9	.....	0	0	.....	.....	0.40	10.2	clear.....	
St. Pierre, N. F	29.34	745.2	29.48	749.8	36.0	2.2	92	nw.	8	3.0	.....	.....	10 n	.....	.....	0	0	overcast.....	G. Hutchinson.
Saugeen, Ontario*	.....	.....	29.69	754.0	33.8	1.0	.....	e.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Stratford, Ontario	28.71	729.2	29.45	748.0	27	— 2.8	92	ne.	5	2.2	.....	.....	10 s	.....	.....	0.40	10.2	cloudy.....	
	28.02	711.7	29.33	745.0	28.2	— 2 1	91	e.	13	5.8	.....	.....	10 s	.....	.....	0.400	10.2	d. clouds....	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower	Clouds. Direction Upper.	Clouds. Direction Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	29.23	742.4	29.29	744.0	34	1.1	96	calm	0	0			10 n			0.08	2.0	dense fog	T. C. Hill, C.E.
Toronto, Ontario*	28.96	735 6	29.35	745.5	31	— 0.6	92	ne.	20	8.9			10 n			0.27	6.9	light rain	Magnetic Observatory.
Woodstock, Ontario	28.26	717.8	29.34	745.2	30.0	— 1.1	96	ne.	15	6.7			10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.47	748.5	29.54	750 3	34	1.1	82	nw.	15	6.7		0	0			0	0	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.22	767.6	30.25	768.3	67.5	19.7	92	ne.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.96	761.6			84.0	28.9	26	ne.				0	0			0	0		Capt. R. Gardner Warton
Springbok Fontein	27.91	708.9			89	31.7	33									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					55.6	13.1	87	se.			4	6 k		se.		0	0	fair	Leon Herrera.
Valparaiso	29.91	759 7	30.05	763.3	57.6	14.2	95	sw.			1	0	0			0	0	clear	Paez-i-Ampuero.
CHINESE (*sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.21	767.4	30.24	768.0	45.9	7.7	69	se.	11.6	5.2		6 c	0	W.		0	0	cloudy	M. Marc Dechevrens, S. J
DANISH.																			
Copenhagen	30.05	763.2	30.10	764.4	45.3	7.4	61	se.	22	10.			0						Oversergent Fischer.
Fanöe	29.91	759.8	29.93	760 3	51.3	10.7	70	ese.			6		1						Overloerer Lauridsen.
Godthaab, Greenland	30.05	763.3	30.10	764.4	31.5	— 0.3	85	ssw.			4		10						S. Kleinschmidt.
Ivigtut, Greenland	30.13	765.2	30.15	765.7	27.3	— 2.6		calm			0		10						
Stykkisholm, Iceland	29.89	759.1	29.93	760.2	32.9	0.5	75	ne.			6		5						A. O. Thorlacius.
Thorshavn	29.58	751.2	29.60	751.8	48.6	9 2	78	n.	16	7			5						Overloerer Bergh.
Upernavik, Greenland	30.00	761.9	30.04	763.1	9.1	—12.7		calm			0		10					snowing	
Vestervig	29.91	759.7	30.00	762.0	51.1	10.6	74	se.			6		0						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.70	754.4			74.3	23.5		sw.	10.1	4.5		6 ck	0			0.079	2.0		Albert Ismaiun, Dir.
FRENCH.																			
Agen, Normal School	29.10	739.2	29.74	755 5	64.4	18	67	s.			1		10 cn	se.	se.	0	0	misty	M. Labroue, Director.
Alençon, Normal School	29.19	741.3	29.74	755 3	62.2	16.8	80	s.			1		2 ks		nnw.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.39	746.4	29.62	752 4	67.5	19.7	36	ese.			4		1		e.	0	0	clear	M. Ungerer, Director.
Avignon, Normal School	29.84	758 0	29.92	760.0	64.4	18.	55	se.			1		5		s.	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.22	742.2	29.76	755.8	66.2	19.0	44	s.			2		5		s.	0	0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.44	747.8	29.70	754.4	63.9	17.7	53	se.			1		2			0	0	slightly cl'dy	M. Frère Eugène Marie.
Besançon, Normal School	28.89	733.8	29.76	756.0	67.8	19 9	43	e.			4		kn		e.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.41	747.0	29.67	753.5	60.4	15.8	61	se.			1		10			0	0	covered	M. Rayet, Director.
Bourges, Normal School	29.22	742 3	29.76	756 0	68.0	20	55	ese.			1		0			0.035	0.9	clear	M. Sauvageot, Director.
Brest, Naval Observatory	29.34	745.2	29.58	751.4	53.2	11.8	85	sw.			1		8		sw.	3.406	86.5		M. de Kermaréc, Dir.
Caen, Normal School	29.47	748 6	29.54	750.4	65.8	18.8	91	ssw.			2		10			0	0	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch.	29.48	748.9	29.80	756.9	67.8	19.9	65	sw.			2		5		sw.	0	0	cloudy	M. Jadot, Director.
Charleville, Normal School	29.27	743.5	29.79	756.7	69.4	20.8	37	se.			6		2			0	0	¼ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.39	721.2	29 70	754 4	65.1	18.4	42	s.			4	8 c; ck			s	0	0		M. Allnard, Director.
Cluny, Normal School	28.97	735.8	29.87	758.8	65.8	18.8	32	se.			2		3		sw.	0	0		M. de Villemontée, Dir.
Commercy, Normal School	29.04	737.5	29.84	757 9	63.5	17.5	43	se.			1		k	se.	se.	0	0		Dr. Coulet, Director.
Gap, Normal School	27 37	695.2	29.87	758.6	59.9	15.5	38	calm			0		5 k		n.	0	0		M. Jarach, Director.
Grénsque, du Rhone	28 81	731.7	29.92	759.9	62.8	17.1	50	se.			4		3		se.	0	0		M. Kina, Director.
Grenoble, Normal School	29.10	739.0	29.84	757.9	67.6	19.8	51	s.			1		kn		sw.	0	0		M. Ablard, Director.
Guéret, Normal School	28.21	716.4	29.72	755.0	65.2	19	73	sw.			8		k		sw.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.26	743.2	29.54	750 2	60.6	15.9	66	s.			2		10 n		s.	0	0	covered	M. Polipre, Dir.
Lescar, Normal School	29.12	739 7	29.69	754.0	58.1	14.5	63	sw.			1		10 k			0	0	covered	M. Chauvin, Director.
Lorient, Naval Observatory	29.51	749.5	29.61	752.1	53.6	12.0	76	sw.			1		10	sw.	s.	0.378	9.6	raining	L. T. Carre, Director.
Lyon, St. Genis-Laval	29 77	730.8	29.81	757.1	63.0	17.2	43	ssw.			6	5 ck			ssw.	0	0	cloudy	M. André, Director.
Mans, Normal School	29.35	74 .6	29.65	753 2	63.5	17.5	68	sw.			4		5 kn		sw.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.67	753.5	29.93	760.3	63.5	17.5	52	se.			6		7		se.	0	0		M. Stephan, Director.
Montlouis	24.63	625.5	29.47	748.5	47.3	8.5	39	sw.	16.8	7.5			5	W		0	0		M Cave for Dr. Fines.
Montpellier, Normal School	29.75	755.6	29.86	758.4	58.3	14.6	98	sse.			6		10	ese.		0	0	covered	M. Galzin, Director.
Nancy, Normal School	29.08	738.6	29.84	757.9	65.1	18.4	52	sw.			1				sw.	0	0		M. Hasse, Director.
Nantes, Observatory	29.48	748 8	29.64	752 9	61.9	16.6	52	s.			4		10 n; kn		ssw.	0	0		M. Larocque, Director.
Perpignan, Observatory	29.65	753.1	29.76	755.9	67.5	19.7	55	s.	18.6	8.3			7	wsw.	wsw.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20 95	532.1			24.8	— 4.0		sw.			2		5		sw.	0.039	1.0	cloudy	M. Vaussenat, Director.
Privas, Normal School	28.82	732.1	29.87	758.8	59.4	15.2	55	s.			6		2	s.	s.	0	0	slightly cl'dy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.93	633.2			44.4	6.9	75	s.			4		8		sw.	0	0	foggy	M Allnard.
Rochefort, Naval Obs'y	29.65	753.0	29.68	753.8	62.6	17.0	57	s.			2		8		s.	0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.47	748 4	29.67	753.7	59.7	15.4	55	sse.			4					0	0		M Brotlier, Director.
Rodez, Normal School	27 61	701.3	29.73	755.2	58.3	14.6	57	e.			6		5		w.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.67	753 7	29.72	754.9	67.3	19.6	77	sse.			1		5		s.	0	0	cloudy	M. Moullot, Dir.
Saint Maur, Observatory	29.56	750 9	25 73	755.1	66.0	18.9	44	se.			1			ssw.		0	0		M. Renou, Director.
Toulouse, Observatory	29.02	737.0	29.73	755.1	64.0	17.8	56	sse.			4		10	w.		0	0	covered	M. Baillaud, Director.
Tours	29.89	759.3	29.68	753.9	66.2	19.0	51	se.			2		5	sw.	s.	inap.	inap.	cloudy	M. de Tastes.
Versailles, Observatory	29.23	742.4	29.72	754.8	65.8	18.8	45	s.			4		0			0	0	clear	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.52	749 7	29.67	753.5	65.7	18.7	36	s.	25.5	11.4			9 k		e.	0	0		M. Carlier, Director.
GERMAN.																			
Ansbach	28.47	723.0	29.87	758.8	64.8	18.2	30	se.			2		2	se		0	0		Prof. Juedt.
Bamberg	29.06	738.2	29.91	759.6	68.0	20.0	44	se.			1		6 k		se.	0	0		Prof. Dr. Hoh.
Berlin	29.80	757.0	29.95	760.6	59.7	15.4	47	s.			1		0			0	0		Meteorological Institute
Breslau	29.49	749 0	30.02	762.5	52.5	11.4	50	se.			3		0			0	0		Royal University Obs'y
Carlsruhe	29.39	746 4	29.83	757.7	67.6	19.8	35	ne.			2		1	s.		0	0		Albert Senz.
Cassel	29.16	740.6	29.87	758.7	68.4	20.2	34	s.			1		4	se.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.48	748.8	29.84	757.8	67.1	19.5	38	e.			1		1			0	0		Physical Society.
Friedrichshafen	28.45	722.6	29.85	758.2	56.5	13.6	57	sw.			1		0			0	0		Wilhelm, Chief T'el.
Hamburg	29.86	758.5	29.95	760 8	57.2	14.0	66	ese.			3		0			0	0		E. Preller.
Kiel	29.95	760.6	29.96	761.0	50.9	10.5	72	e.			2		0			0	0		Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.50	749.3	29.92	759.9	58.6	14.8	60	ene.			2		0			0	0		H. Leppig, Asst.
Magdeburg	29.72	755.0	29.91	759.7	64.4	18.0	52	e.			1		0			0	0	light mist	Weather Observatory.
Memel	30.20	767.0	30.24	768.2	41.0	5.0	58	ne.			2		1 k						Issermann.
Munich	28.08	713.1	29.93	760.2	61.0	16.1	24	nw.			2		1	e.		0	0		Central Station.
Neufahrwasser	30.15	765.7	30.17	766.4	39.2	4.0	59	e.			3		0			0	0		A. Lothes.
Neustadt, Palatinate	29.32	744.7	29.84	758.0	65.1	18.4	50	ne.			1		0			0	0		Prof. Dicknether.
Stuttgart	28.89	733.8	29.76	755 8	66.7	19.3	29	e.			1		1	sw.		0	0		Prof. Dr. Schoder.
Wustrow	29.95	761.4	30.00	762.0	50.9	10.5	70	e.			3		3 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.52	749.8	29.91	759.7	53.6	12.0		ne.			4.0	9				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.79	756.6	29.84	758.0	80.5	26.9	74	wsw.	30.0	13.4			9			0	0	d. clouds	
Deesa	29.32	744 7	29.78	756.3	96.6	35.9	17	W.	10.0	4.5			6	W.		0	0	d. clouds	
Bombay	29.74	755 4	29.73	756.4	82.8	28.2	70	nw.	29.0	13.0			5		wnw.	0	0	d. clouds	
Poona, Yarrowda	27.91	709 0	29.70	754.3	98.1	36.7	10	nw.	14.0	6.3			5			0	0	d. clouds	
Bellary	29.55	750.7	29.83	757.6	97.5	36.4	25	ene.	0.1	0.04			5	nne.	nne.	0	0	d. clouds	
Trichinopoly	28.30	718.8	29.71	754.7	93.0	33.7	19	e.	6.0	2.7			2			0	0	d. clouds	
Bengal	27.26	692.4	29.78	756.4	78.6	25.9	80	wsw.	9.0	4.0			6	n.	e.	0.62	15.7	d. clouds	
Lahore	29.05	737.8	29.78	756.4	88.1	31.2	23	nw.	4.0	1.8			0			0	0	blue sky	
Koorkee	28.79	731.4	29.67	753 6	90.7	32.6	9	w.	12.0	5.4			0			0	0	blue sky	

STATIONS.	Barometer: Corrected for instrumental error and for temperature. Inch.	Barometer: Corrected for instrumental error and for temperature. Mill.	Barometer: Reduced to sea-level. Inch.	Barometer: Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0-9	Clouds. Amount and kind. Upper. 0-10	Clouds. Amount and kind. Lower. 0-10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather	Observers.
INDIAN.—Continued.																			
Agra	29.24	742.6	29.79	756 6	94.4	34.7	17	nw.	6.0	2.7			0			0	0	blue sky	
Nagpur	28.69	728.7	29.69	754.2	100.7	38.2	17	calm	0	0			6		w.	0	0	d. clouds	
Jubbulpore	28.42	722.0	29.74	755.3	95.9	35.5	18	n.	4.0	1.8			0			0	0	blue sky	
Lucknow	29.33	745.1	29.70	754.4	93.0	33.9	23	w.	15.0	6.7			0			0	0	misty	
Allahabad	29.40	746 8	29.70	754.4	95.7	35.4	18	wnw.					0			0	0	blue sky	
Patna	29.47	748.6	29.65	753.1	96.5	35.8	11	w.	7.9	3.5			0			0	0	blue sky	
Hazaribagh	27.74	704.5	29.76	754.5	87.6	30.9	11	nw.	14.0	6.3			0			0	0	blue sky	
Cuttack	29.64	752.9	29.72	755.0	89.1	31.7	43	sw.	5.0	2.2			0			0	0	blue sky	
Calcutta, Alipore	29.66	753 5	29.69	754.0	91.0	32.8	47	sse.	7.0	3.1			0			0	0	d. clouds	
Chittagong	29.69	754 2	29.78	756.4	79.8	26.6	79	ssw.	7.0	3.1			2		ssw.	0	0	d. clouds	
Sibsagar	29.40	746.8	29.74	755.4	74.2	23.4	80	ne.	1.0	0.5			8	w.	w.	0.10	2.5	d. clouds	
Jeypore	28.35	720.1	29.76	755.8	93.4	34.1	12	wnw.	7.5	3.4			6		w.	0	0	d. clouds	
Zanzibar	29.87	758.7			78.0	25.6	91	ene.	2.4	1.1			10		sw.			overcast	
ITALIAN.																			
Udine	29.52	749.7	29.92	760.0	66.0	18.9	40	s.	1.3	0.6						0.063	1.6		Prof. Giovanni Cliodig.
Milan	29.42	747 2	29.93	760.2	63.0	17.2	41	sw.	3.8	1.7			3	w		0	0		Prof. G.V.Schiapparelli
Padua	29.82	757 4	29.93	760.1	65.1	18.4	49	e.	0.7	0.3			4	se		0	0		Prof. Dott. Lorenzoni.
Moncalieri	29.01	736.9	29.91	759.7	62.6	17.0	47	e.	1.3	0.6			2			0	0		Prof. F. F. Denza.
Genoa	29.78	756.5	29.98	761.4	60.8	16.0	55	s.	5.6	2.5			0			0	0		Prof. G. M. Garibaldi.
Pesaro	29.91	759.7	29.96	760.9	57.4	14.1	77	ne.	9.8	4.4			0			0	0		Prof. Luigi Guidi.
Florence	29.69	754.0	29.94	760.4	65.5	18.6	37	n.			2		3			0	0		Prof. Costantino Pittei.
Leghorn	29 84	757.8	29.92	759.9	60.1	15.6	87	w.	0.7	0.3			3			0	0		Prof. P. Monte.
Rome	29.78	756.4	29.95	760.8	66.9	19.4	49	wsw.	3.8	1.7			1			0	0		Prof. P. Tacchini.
Lecce	29.99	754.1	29.94	760.4	60 4	15.8	63	n.	11.2	5.0			1			0	0		Prof. C. de Giorgi.
Cosenza	29.06	738.1	29.95	760.6	61.2	16.2	77	wnw.	3.1	1.4			5	n.		0	0		Prof. D. Conti.
Palermo	29.76	755.9	30.01	762.2	66.7	19.3	48	ne.	6.3	2.8			1	nw.		0	0		Prof. G. Cacciatore
Syracuse	29.90	759.5	29.95	760.6	68.4	20.2	72	sse	3.1	1.4			10	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.46	748.2			64.2	17.9	58	w.	4.9	2.2			4	sw.		0	0		Prof. F. Brioschi.
Stelvio	22.06	560.4			34.7	1.5	62	sw.			2		2			0	0	misty	Prof. P. F. Denza.
Valdobbia	22.10	561.3			34.7	1.5	60	wsw.			6		8			0	0	misty	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.99	761.6	30.02	762.5	32.8	0.4	64	nw.			6		9k;ks		nw.	0.047	1.2	cloudy	H. Hattori.
Awomori	29.87	758.7	29.91	759.7	31.2	0.4	97	nw	25.6	11.4		0	5ck;ks		nw.	0.015	0.4	fair	K. Ogawa.
Hakodate	29.85	758 2	29.86	758.5	31.4	0.3	65	wnw.	24.0	10.7		2 cs	0			0.034	0.9	clear	Y. Souma.
Hamamatsu	29.95	760.7	30.05	763.2	38.7	3.7	58	wnw.			6	0	0			0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.23	767.8	30.25	768.3	39.1	3.9	71	n.	4.7	2.1		0	0			0	0	clear	Y. Okamoto.
Kagoshima	30.22	767 5	30.23	767.8	45.6	7.6	58	n.			2	0	0			0	0	clear	
Kanazawa	30.08	764 0	30.19	766.8	33.0	0.6	78	e.	4.8	2.1		3	2 ks		nw.	0.005	0.1	fair	S. Endo.
Kioto	30.00	762 1	30.18	766.5	30.5	2.5	71	wnw.	0.6	0.3			10k;ck		n	0	0	cloudy	M. Tojima.
Kochi	30.19	766.7	30.21	767.2	42.4	5.8	71	nw.	7.2	3.2		1 ck	0			0	0	clear	K. Kusunose
Miyanka	30.19	766.8	30.22	767.5	46.1	7.8	72	n.			2	0	1 ks		sw.	0	0	clear	K. Masusaki&T. Ishitain.
Miyako	29.75	755 7	29.86	758.5	32.9	0.5	51	wnw.	14.7	6.5		0	0			0	0	clear	N. Houno & K. Suwa.
Nagasaki, I. M. Obs'y	30.06	763.5	30.27	768.8	41.7	5.4	73	ne.	3.0	1.3		0	0					clear	
Nemuro	29.22	742.2	29.27	743.4	25.0	3.9	74	nw.	30.0	13.4			10 n					snowing	A. Shibuya.
Niigata	30.08	764.0	30.12	765.0	36.2	2.3	69	w.	12.8	5.7		0	0			0.050	1.3	clear	Satoo & Tomikawa.
Nobiru	29.96	761.0	29.98	761.4	32.9	0.5	71	nw.	12.5	5.5		0	0			0	0	clear	Yoshino & Midzushina.
Numadzu	29.96	761.0	30.00	761.9	42.9	6.1	76	s.			2	0	0			0	0	cloudy	T. Ohgi.
Osaka	30.19	766.8	30.20	767.2	35.4	1.9	75	nw.	1.6	0.7		0	9 s			0	0	clear	H. Omura.
Saga	30.24	768.1	30.26	768.7	39.6	4.2	85	ne.	0.2	0.1		0	0			0	0	clear	A. Matsuhayashi.
Sakai	30.22	767.5	30.23	767.7	34.8	1.6	90	n.			2	0	0			0	0	clear	Yamawchi & Sakamoto.
Sapporo	29.68	753.9	29.75	755.6	28.0	2.2	67	nw.	33.8	15.1			10 n		n.	0.117	3.1	covered	S. Kimura.
Shimonoseki	30.03	762.7	30.17	766.4	46.3	7.9	61	nne.			1	0	0			0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.97	761.1	30.04	763.1	37.0	2.8	50	n.	24.1	10.7		0	1 ks		nw.	0	0	clear	The Staff.
Wakayama	30.15	765.7	30.20	767.1	39.8	4.3	53	n.	5.4	2.4		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.81	757.2	30.00	762.0	80.1	26.7	63	ese.	15.0	6.7		0	4 kn		ese.	0.02	0.5	fair	The Staff.
MEXICAN.																			
Leon	24.38	619.2	30.07	763 8	57.2	14.0	67	nw.	0.9	0.4		6 ck	0		sw.	0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.72	754.9	29.98	761.5	65.0	18.3	94	w.	0	0		10 cs	0		sw.	0	0	foggy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.76	755.9	29.76	755.9	61.5	16.4		sse.			4					0	0		
Groningen	29.70	755.9	29.82	757 3	63.5	17.5		s.			2					0	0		
Helder	29.78	756.4	29.78	756.4	63.0	17.2		s.			2					0	0		
Hellevoetsluis	29.76	756.0	29.76	756.0	65.3	18.5	41	se.			2					0	0	lightly cl'dy	H. van der Brink.
Utrecht	29.76	755.8	29.80	757.0	68.4	20.2	38	sse.			3	2							
Sub-series.																			
Batavia, Java	29.86	758.5			76.8	24.9	90	sw.	0	0			9			0	0		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.79	756.7	29.85	758.1	52.5	11.4	66	s.	25	11			10			0.087	2.2	raining	
Bronö	29.80	756 8	29.84	757.8	37.0	2.8	86	calm			0		10					raining	
Christiania	29.96	760.9	30.11	764.7	43.5	6.4	61	sw.	11	5			2			0	0		
Glæsvær	29.79	756.7	29.82	757.3	31.6	0.2		ne.			4		10			0.173	4.4		
PORTUGUESE.																			
Funchal, Madeira	29.91	759.6	29.99	761,8	62.8	17.1	86	wsw.	13.6	6.1			10			0.205	5.2	raining	Capt. D. A. de Cunha
Lisbon, Observatory	29.30	745.7	29.69	754.2	55.6	13.1	62	wsw.	17.4	7.8			7			1.600	40.8		The Staff.
Ponta Delgada, Azores	29.93	760.2	30.00	762.0	60.1	15.6	66	n.	1.8	0.8			3			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	30.03	762.7	30.06	763.6	68.0	20.0	65	ene.			4		9			0	0		
San Salvador, Congo																			
Serra da Estrella	24.85	631.2	29.63	752.6	30.3	2.4	100	w.	19.2	8.6			10			0.748	19.0	foggy	
RUSSIAN.																			
Akmolinski	28.99	736.4	30.14	765.6	22.8	5.1	96	e.	13	6		5 ck	0			0	0		Major K. Lasarew.
Archangel	30.15	765.8	30.17	766.3	31.1	0.5	75	s.	2	1		1 cs	0			0	0		Capt. Sselliwerstow
Ashuradа	29.88	759.0	29.79	756.6	62.6	17.0	76	nnw.	9	4		0	1 kn			0	0		
Astrakhan	29.85	758.2	29.78	756 3	50.9	10.5	69	se.	7	3			9 ks						Capt. Wisganow.
Baku	29.86	758.5	29.82	757.3	55.8	13.2	77	ssw.	9	4		2 cs	0					light clouds	
Barnaul	29.84	758.0	30.39	771.8	17.1	8.3	61	sw.	4	2			1			0	0	solar halo	Meteorological Office.
Bielosersk	29.78	756.3	30.26	768.6	37.0	2.8	42	calm	0	0		0	7 ks			0	0		
Dorpat	30.01	762.3	30.27	768.8	35.1	1.7	53	e.	9	4		0	1 k			0	0		Rosenthal.
Ekaterinburg	29.32	744.8	30.34	770.7	28.4	2.0	70	ese.	18	8		0	0			0	0		Meteorological Obs'y.
Elissawetgrad	29.47	748.5	29.93	760.3	39.0	3.9	42	nnw.	18	8		0	8 k			imap.	imap.		
Kasalinsk	29.50	749.2	29.67	753 7	39.9	4.4	80	ene.	4	2								light fog	Butkewitsch.
Kasan	29.79	756.6	30.07	763.7	34.3	1.3	64	ene.	2	1			10			0	0		Observatory.
Kem	30.11	764.8	30.16	766.1	30.9	0.6	51	sw.	22	10			2 ks			0	0		
Kerzen	29.78	756.3	29.80	756.9	37.9	3.3	73	n.	7	3			10 n			0	0		Lagorio & Sastyrea.
Kieff	29.26	743.2	29.92	760.0	32.9	0.5	66	n.	9	4		0	6 ks			0.067	1.7		Observatory.
Koslov	29.26	743.2	29.78	756.5	29.7	1.3	82	ene.	9	4			10 s			0.181	4.6		
Lgov	29.28	743 6	29.89	759.1	28.8	1.8	77	nnw.	11	5			10			0.024	0.6		R. I. Saaweljew, Enstn't.
Libau	30.22	767.5	30.24	768.1	37.9	3.3	52	w.	4	2			2			0	0		L. Quase.
Lugan	29.46	748.3	29.67	753.6	36.0	2.2	85	se.	4	2			10			0.236	6.0		Meteorological Obs'y.
Moscow	29.65	753.2	30.16	766.1	27.7	2.4	73	n.	7	3			10 n					snowing	Meteorological Obs'y.
Nertschinsk	27.55	699.8	29.96	760.9	22.1	5.5	46	calm	0	0			0			0	0		
Nikolaiev	29.82	757.5	29.89	759.3	43.9	6.6	50	nne.	13	6		0	0			0	0		Capt. Kurdakow.

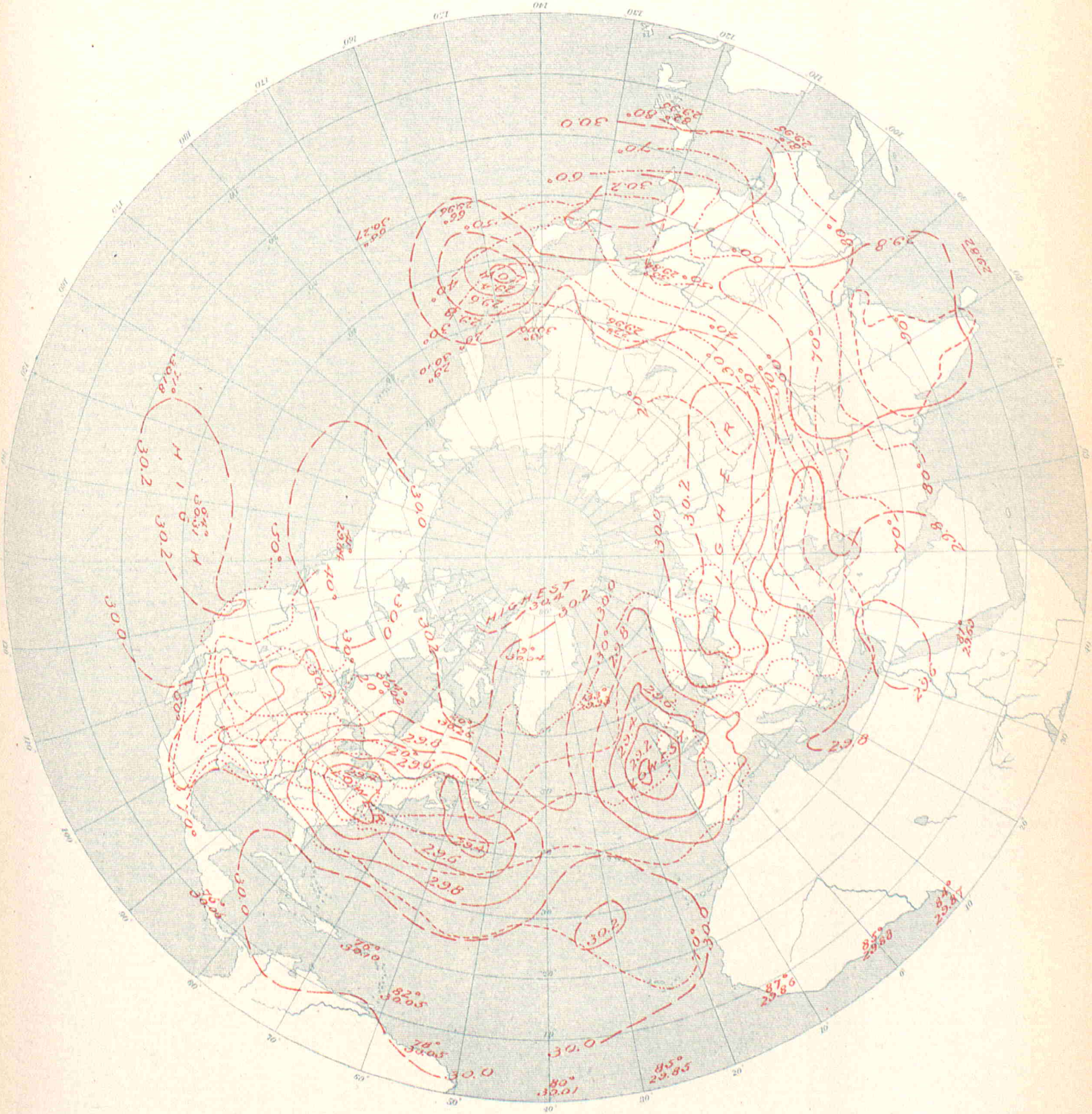
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.97	761.2	30.06	763.4	12.7	—10.7	83	ne.	7	3	.....	3 cs	o	.....	.....	.....	.....	light snow..	Iwanow.
Pekin, China	29.70	754.3	29.84	757.9	55.4	13.0	43	sw.	2	1	.....	3 cs	o	.....	.....	o	o	.....	Siang.
Petro-Alexandrovsk	29.48	748.7	29.82	757 4	69.3	20.7	41	sw.	2	1	.....	o	8 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.06	763.5	30.27	768.8	29.3	— 1.5	51	se.	11	5	.....	o	1 ks	.....	.....	o	o	.....	Dr. Bergmann.
Pinsk	29.56	750.9	30.08	763.9	37.4	3.0	64	n.	13	6	.....	o	4 n	.....	.....	0.008	0.2	.....	
Poti	29.67	753.5	29.70	754.3	48.9	9.4	98	wsw.	4	2	.....	.....	10 n	.....	.....	0.173	4.4	.....	
St. Petersburg	30.26	768.6	30.28	769.2	34.3	1.3	36	ne.	7	3	.....	o	o	.....	.....	o	o	.....	Central Physical Obs'y.
Samarkand	27.45	697.1	29.85	758.2	64.6	18.1	59	nw.	18	8	.....	5 ck	o	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.66	753.4	30.38	771.6	17.1	— 8.3	73	ne.	9	4	.....	.....	10	.....	.....	o	o	.....	Major Lasarew
Sevastopol	29.65	753 2	29.87	758 7	44.2	6.8	60	n.	20	9	.....	o	5 s	.....	.....	o	o	.....	
Staroi Bykhov	29.43	747.4	30.00	762.1	33.4	0.8	49	n.	13	6	.....	o	8 k	.....	.....	o	o	.....	Carl Hagen.
Tashkend, Laboratory	28.22	716 8	29.82	757.3	74.1	23.4	19	ne.	4	2	.....	.....	5 k	.....	.....	.....	.....	light clouds.	Terch, Asst
Tiflis	28.32	719.3	29.71	754.7	59.0	15.0	58	s.	4	2	.....	.....	10 s	.....	.....	0.051	1.3	.....	Physical Observatory
Vernoe	27.32	693.9	29.74	755.4	64 8	18.2	30	calm	o	o	.....	o	o	.....	.....	.....	.....	.....	Larionow.
Viatka	29.59	751.6	30.25	768.4	30.2	— 1.0	48	ne.	4	2	.....	.....	o	.....	.....	o	o	.....	
Vladivostock	29.92	759.9	29.98	761.6	31.5	— 0.3	92	e.	13	6	.....	.....	2 k	.....	.....	o	o	.....	
Warsaw	29.67	753.6	30.10	764.6	43.9	6.6	43	ne.	9	4	.....	o	2 k	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.86	758.4	30.17	766.2	24.1	— 4.4	68	w.	16	7	.....	.....	5	.....	.....	0.008	0.2	snowing.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.33	745.0	29.87	758.7	25.7	— 3.5	82	ene.	24.8	11.1	.....	.....	10 n	.....	ne.	.....	.....	snowing.....	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.76	755.8	29.87	758.6	59.0	15.0	87	wsw.	.....	.....	.....	o	7 n	.....	.....	o	o	.....	B. Jelin.
Bilbao, Met. Obs'y	29.74	755.4	29.80	756.9	69.3	20.7	41	se.	4.9	2.2	.....	3	4	sw.	.....	o	o	cloudy.....	Angel de Uralde.
Burgos, Met. Obs'y	26.73	678.9	29.68	753.8	52.0	11.1	67	s.	14.3	6.4	.....	.....	8	.....	.....	o	o	cloudy.....	Domingo Martin.
Madrid, Royal Obs'y	27.55	699.8	29.80	756.9	49.3	9.6	86	sw.	22.8	10.2	.....	.....	10	.....	.....	0.051	1.3	covered.....	The Staff.
Murcia, Met. Obs'y	29.72	755.0	29.89	759.2	67.5	19.7	71	ssw.	3.4	1.5	.....	o	7	.....	.....	o	o	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.63	727.1	29.52	749.7	51.6	10.9	64	s.	8.7	3.9	.....	.....	10	.....	.....	2.051	52.1	covered.....	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.01	762 3	30.08	764.0	67.5	19.7	87	e.	2.7	1.2	.....	cs	o	w.	.....	o	o	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.89	759.3	29.95	760.8	81.5	27.5	65	ese.	7.7	3.4	.....	o	7 ks	.....	.....	o	o	cloudy	F. Faura, S. J.
San Fernando, Naval Obs'y	29.79	756.7	29.89	759.2	59.7	15.4	83	ssw.	17.8	8.0	.....	.....	10	.....	s.	0.785	19.9	....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.01	762.2	30.10	764.5	75.6	24.2	75	e.	2.2	1.0	.....	2 s	6 kn	e.	e.	o	o	cloudy.....	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	30.00	761.9	30.04	762.9	30.9	— 0.6	81	sw.	.....	.....	2	.....	o	.....	.....	o	o	.....	
Umea	30.00	762.0	30.05	763.3	36.3	2.4	80	sw.	.....	.....	2	.....	9	.....	.....	0.102	2.6	....	
Hernosand	29.99	761.8	30.04	763.1	38.5	3.6	67	s.	.....	.....	6	.....	5	.....	.....	o	o	.....	
Stockholm	30.06	763.4	30.23	767.9	39.2	4.0	58	s.	.....	.....	4	.....	3	.....	.....	o	o	.....	
Wisby	30.12	765.0	30.18	766.5	40.6	4.8	44	se.	.....	.....	4	.....	o	.....	.....	o	o	.....	
Sub-series.																			
Upsala	30.08	764.1	30.17	766 3	39.6	4.2	55	ssw.	13.4	6.0	.....	.....	1	.....	.....	inap.	inap.	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.45	722.6	29.87	758.6	56.3	13.5	59	n.	.....	.....	2	.....	1	.....	.....	0.024	0.6	clear.....	The Observatory.
TURKISH.																			
Constantinople	.....	.....	29.94	760.5	44.1	6.7	56	n.	19	8.5	.....	.....	10	.....	n.	o	o	.....	The Observatory.
Valona	.....	.....	30.01	762.2	65.8	18.8	.....	sw.	.....	.....	1	.....	2	.....	.....	o	o	¼ covered...	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.51	749.6	65.8	18.8	65	sw.	.....	.....	4	.....	10 n	.....	sw.	o	o	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.47	748.5	29.55	750.6	38.5	3.6	77	s.	3	1.3	.....	.....	10 s	.....	s.	inap.	inap.	threatening.	J. O. Barnes.
Alpena, Michigan	28.93	734.8	29.62	752.3	30.8	— 0.7	78	n.	16	7.2	.....	.....	10 s	.....	.....	0.01	0.3	cloudy..	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.06	636.5	29.98	761.5	25.7	— 3.5	86	e.	4	1.8	.....	3 c	o	nw.	.....	inap.	inap.	clear.....	J. B. Turton.
Assiniaboine, Ft., Montana	27.29	693.2	30.20	767.1	36.6	2.6	63	sw.	13	5.8	.....	o	o	.....	.....	o	o	clear.....	J.J.O'Connor.
Atlanta, Georgia	28.47	723.1	29.66	753.4	64.2	17.9	42	w.	33	14.8	.....	o	hz.	.....	.....	0.21	5.3	clear.....	S. W. Beall.
Atlantic City, New Jersey	29.34	745.2	29.35	745.5	42.0	5.6	92	e.	18	8.0	.....	.....	10 n	.....	.....	0.10	2.5	light rain.....	B.A.Blundon.
Augusta, Georgia	29.45	748.0	29.64	752.8	71.5	21.9	65	sw.	19	8.5	.....	o	6 k	.....	sw.	o	o	fair	W.J.Evans.
Baltimore, Maryland	29.34	745.2	29.38	746.2	45.7	7.6	81	ne.	5	2.2	.....	.....	10 n	.....	se.	0.07	1.8	light rain....	Geo. W. Feiger.
Barnegat City, New Jersey	29.45	748.0	29.47	748.5	40.4	4.7	95	e.	18	8.0	.....	.....	10 n	.....	.....	0.02	0.5	light rain.....	J.P.Sherry.
Bennett, Fort, Dakota	28.64	727.4	30.28	769.1	29.0	— 1.7	88	calm	o	o	.....	o	o	.....	.....	inap.	inap.	clear.....	A. Pritchard.
Benton, Fort, Montana	27.36	694.9	30.22	767.6	32.7	0.4	78	sw.	1	0.4	.....	.....	10 s	.....	.....	o	o	cloudy.....	C.S.Bennett.
Bismarck, Dakota	28.36	720.3	30.24	768.1	30.2	— 1.0	88	nw.	5	2.2	.....	o	o	.....	.....	o	o	clear.....	B. O. Lenoir.
Block Island, Rhode Island	29.59	751.0	29.62	752.3	34 8	1.6	80	ne.	14	6.3	.....	.....	10 n	.....	ne.	inap.	inap.	sleeting	J. T. Elker.
Boise City, Idaho	27.33	694.2	30.17	766.3	45.7	7.6	52	se.	8	3.6	.....	6 c	o	.....	.....	o	o	fair.....	James Kenealy.
Boston, Massachusetts	29.43	747.5	29.59	751.6	33.3	0.7	74	ne.	4	1.8	.....	.....	10 s	.....	.....	o	o	cloudy.....	O. B. Cole.
Brownsville, Texas	29.91	759.7	29.97	761.2	73.2	22.9	97	ne.	7	3.1	.....	.....	10 s	.....	.....	o	o	cloudy	John McGlone.
Buffalo, New York	28.50	723.9	29.28	743.7	34.5	1.4	94	ne.	12	5.4	.....	.....	10n;fg	.....	.....	0.29	7.4	light rain.....	D.Cuthbertson.
Buford, Fort, Dakota	28.12	714.2	30.22	767.6	26.8	— 2.9	92	w.	1	0.4	.....	o	o	.....	.....	inap.	inap.	clear.....	A. Schneider.
Cairo, Illinois	29.33	745.0	29.74	755 4	51.0	10.6	71	nw.	30	13.4	.....	.....	10 ks	.....	nw.	inap.	inap.	cloudy.....	W. H. Ray.
Canby, Fort, Washington Ter	29.75	755.6	29.95	760.7	47 0	8.3	100	ne.	20	8.9	.....	.....	10 n	.....	.....	0.47	11.9	light rain.....	J.H.Young.
Cape Henry, Virginia	29.30	744.2	29.32	744 7	63.0	17.2	78	s.	24	10.7	.....	.....	10 s	.....	.....	0.11	2.8	cloudy.....	A. K. Alderson.
Cape May, New Jersey	29.27	743.4	29.30	744.2	46.5	8.1	93	e.	18	8.0	.....	.....	10 s	.....	.....	0.61	15.5	cloudy.....	W.E.Smith.
Cape Mendocino, California	29.36	745 7	30.05	763.3	46.7	8.2	97	se.	48	21.5	.....	.....	10 s	.....	.....	o	o	cloudy.....	A. P. Leavitt.
Cedar Keys, Florida	29.92	760.0	29.94	760 5	70.8	21.6	90	sw.	19	8.5	.....	1 c	1 k	sw.	sw.	o	o	clear.....	G. W. Davis.
Charleston, S. Carolina	29.59	751.6	29.65	753.1	66.5	19.2	87	sw.	12	5.4	.....	9 c	o	w.	.....	o	o	cloudy	J. H. Smith.
Charlotte, N. Carolina	28.59	726.2	29.45	748.0	65.3	18.5	78	sw.	14	6.3	.....	o	6 s	.....	sw.	0.05	1.3	fair.....	D. O'Donoghue.
Chattanooga, Tennessee	28.81	731.8	29.64	752.8	61.5	16.4	40	sw.	19	8.5	.....	o	hz.	.....	.....	0.82	20.8	clear.....	B. L. Goulding.
Cheyenne, Wyoming	24.12	612.6	30.14	765.5	18.7	— 7.4	67	nw.	8	3.6	.....	o	o	.....	.....	inap.	inap.	clear.....	E. McGovern.
Chicago, Illinois	28.84	732.5	29.57	751.1	32.4	0.2	88	nw.	28	12.5	.....	.....	10 n	.....	nw.	0.29	7.4	light snow..	T.B.Jennings.
Chincoteague, Virginia	29.31	744.5	29.33	745.0	49.0	9.4	100	s.	15	6.7	.....	.....	10n;fg	.....	w.	0.04	1.0	light rain....	C. F. Dickens
Cleveland, Ohio	28.70	729.0	29.38	746.2	51.0	10.6	65	w.	20	8.9	.....	.....	10 s	.....	w.	0.40	10.2	cloudy	L.Dunne.
Columbus, Ohio	28.52	724.4	29.28	743.7	35.0	1.7	100	n.	9	4.0	.....	.....	10 n	.....	ne.	0.37	9.4	light rain....	W.Line.
Concho, Fort, Texas	28.42	721.9	29.30	744.2	49.2	9.6	76	sw.	21	9.4	.....	.....	10 s	.....	sw.	1.01	25.7	cloudy.....	F.T. Williams
Custer, Fort, Montana	28.32	719.3	30.26	768 6	41.0	5.0	82	ne.	3	1.3	.....	10 k	o	sw.	.....	o	o	cloudy	C. E. King.
Davenport, Iowa	27.00	685.8	30.18	766.5	26.2	— 3.2	76	se.	5	2.2	.....	o	o	.....	.....	o	o	clear.....	W.J.Daily.
Davis, Fort, Texas	29.15	740.4	29.82	757.4	35.5	1.9	68	n.	18	8.0	.....	o	8 ks	.....	nw.	0.11	2.8	cloudy.....	R. R. Martin.
Dayton, Washington Ty'y	25.36	644 1	30.14	765.5	39.0	3.9	76	ne.	12	5.4	.....	.....	10 s	.....	.....	o	o	cloudy.....	J. Williams.
Deadwood, Dakota	28.37	720.6	30.13	765.3	36.9	2.7	92	e.	2	0.9	.....	o	o	.....	.....	0.06	1.5	clear.....	H.S.Blandford.
Delaware Breakwater, Del	25.54	648.7	30.23	767.8	26.0	— 3.3	88	e.	4	1.8	.....	o	o	.....	.....	inap.	inap.	clear.....	G.Kingsbury.
Denver, Colorado	29.33	745 0	29.35	745.5	42.3	5.7	100	e.	17	7.6	.....	.....	10 n	.....	e.	0.20	5.1	light rain....	G.A.Martin.
Des Moines, Iowa	24.90	632.4	30.17	766.3	31.5	— 0.3	78	se.	1	0.4	.....	6 c	o	.....	.....	inap.	inap.	fair.....	F. M. Neal.
Detroit, Michigan	29.09	738.9	30 02	762.5	34.8	1.6	64	n.	16	7.2	.....	.....	10 s	.....	.....	0.08	2.0	cloudy	F. W. Conrad.
Dodge City, Kansas	28.63	727.2	29.36	745.7	34.0	1.1	79	n.	15	6.7	.....	.....	10 n	.....	.....	0.32	8.1	light snow..	N.B.Conger.
Dubuque, Iowa	27.60	701.0	30.24	768 1	30.3	— 0.9	74	w.	10	4.5	.....	o	o	.....	.....	o	o	clear.....	J.E.Lanouette.
Duluth, Minnesota	29.11	739 4	29.84	757.9	33.7	0.9	85	nw.	11	4.9	.....	o	4 s;ks	.....	n.	0.72	18.3	fair.....	A.W.Browne.
Eastport, Maine	29.28	743.7	30.05	763.3	30.7	— 0.7	84	nw.	26	11.6	.....	o	o	.....	.....	o	o	clear.....	E.R.Brace.
Elliott, Fort, Texas	29.46	748 3	29.53	750.0	33.0	0.6	68	calm	o	o	.....	o	6 s	.....	.....	o	o	fair.....	D. C. Murphy.
El Paso, Texas	27.43	696.7	30.21	767.3	33.3	0.7	78	n.	16	7.2	.....	o	o	.....	.....	o	o	clear.....	J. C. Rickli.
Erie, Pennsylvania	26.34	669.0	30.08	764 0	41.4	5.2	36	w.	2	0.9	.....	5 cs	o	.....	.....	o	o	fair.....	F.Belford.
Escanaba, Michigan	28.49	723.6	29.24	742 7	35.0	1.7	100	ne.	8	3.6	.....	.....	10n;fg	.....	.....	0.64	16.3	light rain....	P.Wood.
Fort Smith, Arkansas	29.09	738.9	29.78	756 4	25.0	— 3.9	88	n.	22	9.8	.....	8c;cs	o	ne.	.....	0.05	1.3	cloudy.....	L.M.Pindell.
Galveston, Texas	29.55	750.6	30.03	762 7	47.0	8.3	56	nw.	12	5.4	.....	.....	10 s	.....	n.	o	o	cloudy	J. B. Campbell.
Grand Haven, Michigan	29.99	761.7	30.03	762.7	66.4	19.1	50	n.	24	10.7	.....	1 cs	1 s	.....	.....	o	o	clear.....	E. O'C. Macinerney
Grant, Fort, Arizona	28.86	733.0	29.54	750.3	32.0	0.0	88	n.	19	8.5	.....	.....	10 n	.....	nw.	0.85	21.6	light snow..	Joseph E. Mueller.
Hatteras, North Carolina	25.23	640.8	29.96	761.0	42.2	5.7	46	e.	5	2.2	.....	2 c	o	sw.	.....	o	o	clear.....	Chas. A. Read.
	29.50	749.3	29.51	749.5	60.5	15.8	93	s.	19	8.5	.....	.....	10 s	.....	sw.	o	o	cloudy.....	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.98	659.9	30.19	766.8	34	1.1	71	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	S.W.Morrison.
Huron, Dakota	28.78	731.0	30.23	767.8	29.3	— 1.5	88	nw.	8	3.6	.....	0	0	.....	.....	inap.	inap.	clear	S. W. Glenn.
Indianapolis, Indiana	28.58	725.9	29.40	746.7	39.0	3.9	78	nw.	21	9.4	.....	.....	10 n	.....	nw.	0.26	6.6	light rain	C. F. R. Wappenhans
Indianola, Texas	30.02	762.5	30.05	763.3	64.2	17.9	56	n	34	15.2	.....	0	0	.....	.....	0	0	clear	J. A. Reed.
Jacksonville Florida	29.81	757.2	29.85	758.2	72.8	22.7	80	sw.	14	6.3	.....	3 cs	4 s	sw.	sw.	0	0	fair	J. W. Smith.
Keokuk, Iowa	29.18	741.2	29.86	758.4	36.2	2.3	75	nw.	16	7.2	.....	.....	10 s	.....	nw.	0.28	7.1	cloudy	F. Z. Gosewisch.
Key West, Florida	30.03	762.7	30.05	763.3	74.5	23.6	79	s.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.41	747.0	29.43	747.5	62.3	16.8	85	sw.	21	9.4	.....	.....	10 n	.....	sw.	0.05	1.3	light rain	Wesley Blake.
Knoxville, Tennessee	28.47	723.1	29.51	749.5	60.3	15.7	33	sw.	32	14.3	.....	0	1 ks	.....	.....	0.29	7.4	clear	J. A. Cody.
La Crosse, Wisconsin	29.11	739.4	29.91	759.7	32.0	0.0	68	n.	22	9.8	.....	0	0	.....	.....	0.83	21.1	clear	S. C. Emery.
Leavenworth, Kansas	29.19	741.4	30.10	764.5	37	2.8	73	nw.	20	8.9	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy	C.Dill.
Lewiston, Idaho	29.33	745.0	30.18	766.6	45.4	7.4	82	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.60	751.8	29.92	760.0	52.8	11.6	69	w.	14	6.3	.....	0	6 k	.....	w.	0	0	fair	W.U.Simons.
Los Angeles, California	29.74	755.4	30.14	765.5	48.0	8.9	86	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	T. S. Collins.
Louisville, Kentucky	28.87	733.3	29.44	747.8	50.6	10.3	73	w.	13	5.8	.....	0	8 s	.....	w.	inap.	inap.	cloudy	E.B.Garriott.
Lynchburg, Virginia	28.62	726.9	29.34	745.2	51.0	10.6	90	s.	2	0.9	.....	.....	10 n	.....	sw.	0.07	1.8	light rain	Jno. Healy.
Mackinaw City, Michigan	29.01	736.8	29.69	754.1	28.7	— 1.7	70	n.	18	8.0	.....	.....	10 s	.....	n.	0.01	0.3	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.54	750.3	29.55	750.6	63.1	17.3	92	sw.	38	17.0	.....	.....	10 s	.....	sw.	0	0	cloudy	William Daly.
Maginnis, Fort, Montana	25.67	652 0	30.17	766.3	31.5	— 0.3	60	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.14	740.1	29.90	759.4	24.0	— 4.4	73	nw.	12	5.4	.....	1 k	2 s	nw.	nw.	0.03	0.8	clear	J. Gilligan.
Memphis, Tennessee	29.48	748.8	29.82	757.4	53.0	11.7	51	w.	8	3.6	.....	.....	10 s	.....	nw.	0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	28.89	733.8	29.66	753.4	30.1	— 1.1	84	n.	17	7.6	.....	.....	10 n	.....	.....	0.72	18.3	light snow	S.W.Rhode.
Mobile, Alabama	29.84	757.9	29.88	758.9	69.8	21.0	85	w	3	1.3	.....	3 c	0	w.	.....	0	0	clear	H. U. Jones.
Montgomery, Alabama	29.55	750.6	29.78	756.4	69.3	20.7	62	w.	15	6.7	.....	2 c	1 k	w.	w.	inap.	inap.	clear	S.M.Leitzell.
Moorhead, Minnesota	29.17	740 9	30.20	767.1	26	— 3.3	88	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	L.M.Dey.
Mt. Washington, N. H.	23.24	590.3	29.65	753.1	23.0	- 5.0	95	s.	2	0.9	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	E.A.Beals.
Nashville, Tennessee	29.05	737.9	29.63	752.6	57.2	14.0	45	w.	26	11.6	.....	0	6 ks	.....	w.	0.14	3.6	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.44	747.8	29.56	750.8	33.5	0.8	88	e.	10	4.5	.....	.....	10 s	.....	e.	0.04	1.0	cloudy	J. H. Sherman.
New London, Connecticut	29.56	750.8	29.61	752.1	33.0	0.6	100	ne.	5	2.2	.....	.....	10 n	.....	.....	inap.	inap.	light snow	J. G. Lynch.
New Orleans, Louisiana	29.87	758.7	29.93	760.2	70.0	21.1	90	w.	6	2.7	.....	3 ck	0	w.	.....	0	0	clear	M. Herman.
New York, New York	29.32	744.7	29.50	749.3	37	2.8	88	e.	8	3.6	.....	.....	10s;fg	.....	e.	0.10	2.5	threatening	W.Finn.
Norfolk, Virginia	29.36	745.7	29.39	746.5	60.0	15.6	85	sw.	16	7.2	.....	.....	10 ks	.....	sw.	0.02	0.5	cloudy	Wm. Davis.
North Platte, Nebraska	27.28	692.9	30.24	768.1	25.6	— 3.6	78	w.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	E.F.Brady.
Olympia, Washington T'y	29.97	761.2	30.01	762.2	47 4	8.6	90	calm	0	0	.....	.....	10 n	.....	.....	0.12	3.0	light rain	J. Dascomb.
Omaha, Nebraska	28.91	734.3	30.12	765.0	33.6	0.9	85	n.	8	3.6	.....	0	0	.....	.....	0.11	2.8	clear	A. Pollak
Oswego, New York	29.04	737.6	29.38	746.2	37.2	2.9	85	se.	16	7.2	.....	.....	10 n	.....	se.	0.01	0.3	light rain	J. G. Linsley.
Palestine, Texas	29.60	751.8	30.16	766.1	47.2	8.4	68	nw.	12	5.4	.....	0	8 s	.....	nw.	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	29.84	757.9	29.87	758.7	71.3	21.8	85	w	13	5.8	.....	1 ck	4 k	w.	w.	0	0	fair	M. McGauran.
Philadelphia, Pa	29.30	744.2	29.43	747.5	41.0	5.0	100	ne.	8	3.6	.....	.....	10 s	.....	ne.	0.11	2.8	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.71	449.8	29.99	761.7	1.0	—17.2	83	calm	0	0	.....	0	9 s	.....	.....	inap.	inap.	cloudy	H. Hall.
Pittsburg, Pennsylvania	28.39	721.1	29.22	742.2	53.7	12.1	82	s.	8	3.6	.....	5 cs	0	sw.	.....	0.47	11.9	fair	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	37.0	2.8	87	.....	.....	.....	.....	2 cs	1 s	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	28.62	726.9	29.32	744.7	30.0	— 1.1	100	ne.	24	10.7	.....	.....	10 n	.....	n.	0.51	13.0	light rain	M. H. Perry
Portland, Maine	29.54	750.3	29.59	751.6	35.3	1.8	66	calm	0	0	.....	0	sk.	.....	.....	0	0	dense smoke	W. W. Eichelberger.
Portland, Oregon	29.95	760.7	30.02	762.5	49.0	9.4	89	s.	1	0.4	.....	.....	10 n	.....	.....	0.11	2.8	light rain	M. L. Hearne.
Prescott, Arizona	24.78	629.4	30.05	763.3	26.6	— 3.3	94	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	J.Grover.
Provincetown, Mass.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. N. Kitchel.
Red Bluff, California	29.84	757.9	30.20	767.1	44	6.7	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.79	756.7	30.03	762.7	71.8	22.1	86	ne.	1	0.4	.....	1 cs	4 ks	n.	nw.	0	0	fair	L. G. Schultz.
Rochester, N. Y	28.63	727.2	29.32	744.7	36	2.2	89	e.	9	4.0	.....	.....	10n;fg	.....	.....	0.03	0.8	light rain	E. W. McGann.
Roseburg, Oregon	29.47	748.5	30.03	762.7	48	8.9	89	se.	1	0.4	.....	0	9 s	.....	s.	0.19	4.8	cloudy	J. J. Naury.
Sacramento, California	30.13	765.3	30.20	767.1	46.3	7.9	90	s.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.18	741.2	29.81	757.2	38.4	3.6	72	nw.	29	13.0	.....	.....	10 ks	.....	nw.	inap.	inap.	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.97	761.2	30.00	762.0	— 6	—21.1	100	s.	1	0.4	.....	0	0	.....	.....	0	0	clear	Fred. H. Clarke
St. Paul, Minnesota	29.15	740.4	30.03	762.7	33.4	0.8	74	nw.	11	4.9	.....	0	0	.....	.....	0	0	clear	P. F. Lyons.
St. Vincent, Minnesota	29.29	744.0	30.20	767.1	22.5	— 5.3	80	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.80	655.3	30.17	766.3	36.2	2.3	58	nw.	3	1.3	.....	8 c	0	.....	.....	0	0	cloudy	J. Craig.
San Diego, California	30.01	762 2	30.08	764.0	49.3	0.6	91	ne.	5	2.2	.....	3 cs	0	.....	.....	0	0	clear	F. R. Day.
Sandusky, Ohio	28.57	725.7	29.27	743.4	35	1.7	89	n.	23	10.3	.....	.....	10 n	.....	.....	0.01	0.3	hailing	B. F. Hough.
Sandy Hook, New Jersey	29.46	748.3	29.49	749.0	39.0	3.9	96	e.	28	12.5	.....	.....	10 s	.....	e.	0.02	0.5	cloudy	V.P.Chappel.
Sanford, Florida	29.84	757 9	29.89	759.2	71.0	21.7	79	sw.	13	5.8	.....	0	7 k	.....	sw.	0	0	fair	J. B. Marbury
San Francisco, California	30.13	765.3	30.20	767.1	50.0	10.0	89	calm	0	0	.....	0	0	.....	.....	0	0	clear	N. Gorom.
Savannah, Georgia	29.60	751.8	29.69	754.1	70.7	21.5	71	sw.	18	8 0	.....	6 c	0	w	.....	0	0	fair	H.W.Ford.
Shaw, Fort, Montana	26.49	672.8	30.16	766.1	32.6	0.3	81	sw.	3	1.3	.....	4 cs	0	.....	.....	0	0	fair	A.L.Mathews.
Shreveport, Louisiana	29.82	757.4	30.06	763.5	51.8	11.0	43	nw.	15	6.7	.....	2 ck	4 s	nw.	nw	0	0	fair	E.N.Meekins.
Sitka, Alaska	29.77	756.1	29.84	757.9	40.5	4.7	78	e.	3	1.3	.....	0	5 k	.....	e.	0	0	fair	F. W. Fickett.
Smithville, North Carolina	29.53	750.0	29.57	751.1	63.9	17.7	91	sw.	29	13.0	.....	.....	10 s	.....	w.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	28.09	713.5	30.15	765.8	40.0	4.4	82	sw.	1	0.4	.....	0	4 s	.....	.....	0.01	0.3	fair	D.Moore.
Springfield, Illinois	29.03	737.3	29.73	755.1	37.0	2.8	72	n.	26	11.6	.....	.....	10 s	.....	n.	0.09	2.3	cloudy	W.Norrington.
Stockton, Fort, Texas	27.14	689.3	30.18	766.6	49.0	9.4	52	ne.	16	7.2	.....	.....	10 s	.....	.....	0	0	cloudy	J.W.Byram.
Tatoosh Id., Wash. Ter	29.93	760.2	30.02	762.5	47.1	8.4	85	ne.	24	10.7	.....	.....	10 n	.....	se.	0.38	9.7	light rain	R. Connor.
Thomas, Camp, Arizona	27.33	694.2	30.06	763.5	30.8	2.7	58	calm	.....	.....	0	0	1 s	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	28.61	726.7	29.32	744.7	34.2	1.2	98	nw.	6	2.7	.....	.....	10 n	.....	.....	0.17	4.3	heavy snow	A. Buell.
Unalashka, Alaska	29.98	761.5	30.00	762.0	21	— 6.1	70	n.	16	7.2	.....	.....	10 s	.....	n.	0.04	1.0	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.67	753.6	29.93	760.2	65	18.3	43	nw.	12	5.4	.....	0	8 s	.....	w.	0.04	1.0	cloudy	F.W.Mixer.
Washington, D. C.	29.26	743.2	29.38	746.2	43.9	6.6	95	n	3	1.3	.....	.....	10 n	.....	.....	0.14	3.6	light rain	T. B. Harrison.
West Las Animas, Colorado	26.25	666.7	30.20	767.1	24.3	— 4.3	90	w.	4	1.8	.....	0	1 s	.....	.....	inap.	inap.	clear	F. R. Brandenburg
Wilmington, N. Carolina	29.49	749.0	29.55	750.6	65.6	18.7	86	sw.	16	7.2	.....	6ck;cs	3 s	nw.	sw.	0	0	cloudy	L.H.Albrecht.
Yankton, Dakota	28.84	732.5	30.18	766.6	30.0	— 1.1	88	n.	10	4.5	.....	0	0	.....	.....	0.07	1.8	clear	E. H. Thompson.
Yuma, Arizona	29.91	759.7	30.06	763.5	53.7	12.1	62	nw.	1	0.4	.....	1 c	0	sw.	.....	0	0	clear	W.S Delano.
Sub-series.																			
Behring Island, Kamchatka	30.08	764.0	30.10	764.5	29.2	— 1.6	.....	ne.	18	8.0	.....	.....	10 n	.....	.....	0.01	0.3	cloudy	George Oherwick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	82	27.8	.....	ne.	.....	.....	2	2 cs	3 k	.....	ne.	0.27	0.9	fair	W. P. Jackson.
Bogota, U. S. C.	22.02	559.4	.....	.....	56.3	13.5	83	calm	0	0	.....	1 cs	7 k	nw.	w.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.11	764.8	30.26	768.6	20	— 6.7	100	calm	0	0	.....	.....	10 s	.....	s.	0.03	0.8	cloudy	L.M.Turner.
Kingston, Jamaica, W. I.	.....	.....	30.03	762.7	76	24.4	75	n.	1	0.4	.....	2 c	0	.....	.....	0	0	fine	Robert Johnstone.
Paramaribo, S. A.	30.05	763.3	30.05	763.3	78	25.6	86	e.	.....	.....	2	4 c	5 k	e.	.....	0	0	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.44	747.8	30.00	762.0	76	24.4	94	calm	.....	.....	0	.....	10 ks	.....	n.	0.10	4.1	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	29.90	759.4	30.06	763.5	76	24.4	84	ne.	.....	.....	1	.....	2 ks	.....	ne.	0	0	clear	Earl Flint.
York Factory, B. A.	29.95	760.7	30.02	762.5	—13.5	—25.3	73	nw.	12	5.4	.....	1 c	0	w.	.....	0	0	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiant.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Alvo, Petit Goave, Hayti, W.I*	29.98	761.5	70	21.1	.....	nnw.	.....	.....	2	.....	3	nnw.	.....	0	0	.....	.....	fine.
S. S. Alps, Ponce, Porto Rico, W. I *†	30.08	764.0	80	26.7	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Anchoria, N. 49° 57′, W. 30° 56′	.....	.....	.....	.....	.....	nw.	.....	.....	4	.....	6	.....	nnw.	3 h'r	3 h'r	mod.	ne.	fine.
S. S. Ailsa, Cartagena, U. S. C	.....	.....	78.5	25.8	88	n.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Assyrian Monarch, N. 49° 18′, W. 14° 00′ †	29.26	743.2	.....	.....	.....	ssw.	.....	.....	4	.....	5?	.....	sw.	2 h'r	2 h'r	mod.	nw.	overcast ?
S. S. Bohemia, Hamburg, Germany	.....	.....	.....	.....	.....	se.	.....	.....	3–4	.....	6	.....	se.	0	0	.....	.....	fair.
S. S. Bothnia, N. 47° 19′, W. 32° 48′	29.97	761.2	54	12.2	.....	n.	.....	.....	4	.....	8	.....	ne.	0	0	mod.	ene.	gloomy.
Bk C. S. Bushnell, N. 36° 25′, W. 4° 17′	29.93	760.2	.....	.....	.....	se.	.....	.....	4	.....	2	.....	se.	0	0	sm'h	.....	hazy.
S. S. Cienfuegos, Tybee Id, Ga	29.71	754.6	65	18.3	.....	sw.	.....	.....	3	.....	0	.....	.....	0	0	small	sw.	hazy.
S. S. Canada, (Fr) N. 46° 43′, W. 36° 09′	30.00	761.9	53.6	12.0	.....	e.	.....	.....	3	.....	5 n	.....	e.	.....	.....	r'gh	e.	fair.
S. E. B. Sutton, N. 40° 03′, W. 34° 14′*†	29.95	760.7	62	16.7	94	s.	.....	.....	1	.....	5	.....	.....	.....	.....	mod.	.....	misty.
S. S. Elbe, N. 41° 57′, W. 49° 55′	29.53	750 1	48.2	9.0	.....	sse.	.....	.....	2	.....	3	.....	sse.	0	0	mod.	sse.	hazy.
S. S. Frisia, N. 44° 25′, W. 41° 13′	29.80	756.9	56 8	13.8	.....	se.	.....	.....	7	.....	10	.....	s.	0	0	long	s.	covered.
S. S. Fulda, N. 49° 25′, W. 14° 50′	29.19	741.5	52.5	11.4	65	wsw.	.....	.....	2	.....	3	.....	ne.	5 h'r	5 h'r	mod.	n.	clear.
S. Henry Falling, N. 43° 22′, W. 28° 18′ *†	29.94	760.5	55	12.8	.....	nnw.	.....	.....	6	.....	5	.....	nw.	2 h'r	2 h'r	long	nnw.	fair.
Bk. Heinrich & Tonio, N. 40° 04′, W. 61° 50′ †	29.43	747.5	52	11.1	86	wnw.	.....	.....	5	.....	0	.....	nw.	20 h'r	20 h'r	short	n.	squally.
S. S. Lord Clive, N. 40° 30′, W. 54° 02′ *	29.27	743.4	.....	.....	.....	wnw	.....	.....	3	.....	2	.....	wnw.	.....	.....	sli't	w.	fine.
Bg. L. & W. Armstrong, N. 20° 22′, W. 67° 14′	.....	.....	.....	.....	.....	ene.	.....	.....	1	.....	1	.....	ne.	0	0	high	nnw.	fine.
S. S. Lone Star, N. 26° 11′, W. 86° 33′*†	29.99	761.7	76	24.4	.....	sw.	.....	.....	4	.....	3	.....	w.	0	0	small	sw.	hazy.
S. S. Llandaff City, N. 49° 20′, W. 30° 10′	.....	.....	48	8.9	.....	n.	.....	.....	6	.....	8	.....	n.	rain	rain	h'vy	n.	squally.
Schr. Maggie Abbott, N. 32° 11′, W. 70° 10′*†	29.80	756.9	.....	.....	.....	sw.	.....	.....	5	.....	0	.....	.....	0	0	cross	.....	clear.
S. S. Madrid, N. 35° 22′, W. 57° 22′ †	29.61	752.1	60	15.6	82	w.	.....	.....	6	.....	6	.....	w.	6 h'r	6 h'r	r'gh	wnw.	raining.
S. S. Main, N. 49° 16′ W. 19° 06′	29.21	741.9	46.4	8.0	.....	nw	.....	.....	6	.....	6	.....	nw.	4 h'r	4 h'r	high	nw.	squally.
S. S. Marengo, N. 49° 48′, W. 12° 22′	29.29	744 0	46	7.8	.....	wsw.	.....	.....	4	.....	5	.....	sw.	6 h'r	6 h'r	mod	sw.	rainy.
S. S. Nessmore, off Cape Henry, Va	.....	.....	59	15.0	88	s.	.....	.....	5	.....	4?	.....	s	.....	.....	sm'h	n.	overcast.?
S. S. Normandie, N. 45° 07′. W. 31° 47′	.....	.....	53.6	12	.....	ene.	.....	.....	1	.....	5	.....	n.	0	0	long	w.	fair.
S. S. Orinoco, New York, N. Y †	29.50	749.3	.....	.....	.....	e.	.....	.....	4	.....	10	.....	e.	2 h'r	2 h'r	.....	.....	cloudy.
S. S. Olbers, N. 0° 23′, W. 40° 29′	30.01	762.2	80	26.7	91	ne.	.....	.....	3	.....	4	.....	ne.	.....	.....	3.	ne.	d. clouds.
S. S. Rosse, N. 23° 10′, W. 60° 20′	30.10	764 5	75	23.9	56	calm	.....	.....	0	.....	0	.....	.....	0	0	h'vy	nw.	fine.
S. S. Rhaetia, N. 48° 34′, W. 2° 50′	.....	.....	46	7.8	.....	nnw.	.....	.....	6	.....	5	.....	n.	rain	rain	h'vy	nne.	squally.
S. S. State of Nebraska, N. 41° 53′, W. 49° 20′ *†	29.58	751.3	40	4.4	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	mod.	s	blue sky.
S. S. Salier, N. 41° 22′, W. 64° 35′	29.59	751.6	.....	.....	.....	nnw.	.....	.....	5	.....	5	.....	wnw.	2 h'r	2 h'r	mod.	wnw.	fair.
S. S. Scythia, N. 49° 16′, W. 28° 02′	29.74	755.4	48	8.9	92	nnw.	.....	.....	6	.....	9?	.....	nnw.	4 h'r	4 h'r	r'gh	n.	clear.?
Bk. Tuck Sing, N. 34° 27′, W. 75° 35′	.....	.....	.....	.....	.....	sw.	.....	.....	4	.....	8	.....	w.	0	0	mod.	sw.	fair.
S. S. Valencia, Curacoa, W. I†	30.03	762.7	81	27.2	.....	ne.	.....	.....	5	.....	4	.....	ene.	0	0	.....	.....	fine.
S. S. Vaderland, North Sea *†	29.92	760.0	61	16.1	.....	sse.	.....	.....	1	.....	2	.....	e.	0	0	sm'h	.....	clear.
S. S. Virginian, N. 47° 36′, W. 32° 05′	.....	.....	50	10.0	86	n.	.....	.....	4	.....	.....	.....	ene.	0	0	long	nne.	cloudy.
S. S. Westernland, N. 41° 58′, W. 46° 09′	29.60	751.8	63?	17.2?	78	s.	.....	.....	2	.....	8	.....	s.	4 h'r	4 h'r	mod	s.	cloudy.
S. S. Waesland, N. 50° 25′, W. 0° 30′	29.58	751.3	52	11.1	.....	sse.	.....	.....	9	.....	5	.....	sse.	5 h'r	5 h'r	mod	w.	fair.
S. S. Lessing, N. 49° 48′, W. 3° 45′	29.49	749 0	53	11.7	.....	s.	.....	.....	3	.....	8	.....	s.	0	0	mod.	sw.	overcast
Bk. Alpha, N. 18° 58′, W. 55° 30′ *†	30.10	764.5	77	25.0	.....	ene.	.....	.....	4	.....	4	.....	e.	0	0	long	nw.	fair.
Schr. Adda Doane, N. 24° 42′, W. 74° 20′†	30.10	764.5	.....	.....	.....	sw	.....	.....	4	.....	4	.....	s.	0	0	long	n.	clear.
S. S. America, N. 36° —′, W. 73° 05′	29.50	749.3	65	18.3	.....	nw.	.....	.....	2	.....	8	.....	nw.	0	0	high	nw.	fair.
S. S. Andes, N. 35° 40′, W. 70° 45′ *†	29.72?	754.9?	60	15.6	.....	ssw.	.....	.....	4	.....	3	.....	sw.	0	0	mod.	nw.	misty.
S. S. British Princess, Chester, Pa †	29.36	745.7	.....	.....	.....	ne.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
S. S City of Merida, N. 37° 56′, W. 74° 30′	.....	.....	.....	.....	.....	sw.	.....	.....	3	.....	10	.....	sw.	2 h'r	2 h'r	.....	se.	cloudy.
S. S. Chalmette, N. 25° 23′, W. 80° 06′†	30.11	764.8	74	23.3	.....	ssw.	.....	.....	5	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Elysia, N. 40° 20′, W. 73° 10′ *	29.52	749.8	42.5	5.8	.....	e.	.....	.....	3	.....	10	.....	e.	0	0	sm'h	.....	overcast.
Bk. Esmeralda, N. 56° 08′, W. 10° 12′	29.37	746.0	.....	.....	.....	ese.	.....	.....	6	.....	2	.....	ese.	1 h'r	1 h'r	r'gh	se.	clear.
S. S. Erin, N. 47° 54′. W. 25° 08′	29.67	753.6	47	8.3	.....	nnw.	.....	.....	6	.....	5	.....	nnw.	4 h'r	4 h'r	cross	nnw.	fair.
S. S. England, N. 40° 27′, W. 68° 03	.....	.....	.....	.....	.....	sw.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Grecian, N. 46° 47′, W. 32° 55	30.00	762 0	48	8.9	70	n.	.....	.....	2	.....	10	.....	nnw.	0	0	light	nnw.	cloudy.
Bk. Idaho, N. 25° 35′, W. 71° 00′ *†	30.10	764.5	.....	.....	.....	sw.	.....	.....	3	.....	0	.....	.....	0	0	mod	nnw.	clear.
S. S. Italy, N. 47° 14′, W. 23° 52′*	29.61	752.1	50	10.0	72	ENE	.....	.....	6	.....	5	.....	nnw.	1 h'r	1 h'r	long	n.	fair.
Bg. Lilian, N. 30° 45′, W. 65° 30′†	29.88	758.9	.....	.....	.....	wsw	.....	.....	6	.....	6	.....	wsw.	0	0	r'gh	var.	dense haze.
S. S. Muriel, Dominica, W. I	30.02	762.5	78	25.6	.....	e.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear
S. S. Neckar, N. 40° 43′, W. 49° 23′	29.56	750.8	55.4	13	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Ontario, N. 43° 04′, W. 65° 51′	29.53	750.0	36	2.2	90	wnw.	.....	.....	4	.....	3	.....	s.	8 h'r	8 h'r	mod.	ne.	clear.
S. S. Pennsylvania, N. 39° 13′, W. 75° 10′ †	29.46	748.3	42	5.6	91	ese.	.....	.....	6	.....	2	.....	wnw.	0	0	sm'h	.....	clear.
S. S. Prussian, N. 42° 21′, W. 66° 56′	.....	.....	37	2.8	.....	nw.	.....	.....	3	.....	9	.....	ese.	4 h'r	4 h'r	.....	.....	rainy.
Bk. Tros, N. 21° 11′, W. 54° 43′	.....	.....	75	23.9	.....	n	.....	.....	1	.....	2	.....	nnw.	0	0	sli't	nw.	clear.
S. Tsernogora, N. 36° 41′. W. 68° 01′*†	29.63	752.6	.....	.....	.....	calm	.....	.....	0	.....	1	.....	nne.	0	0	long	nw.	clear.
U. S. S. Alliance, N. 13° 22′, W. 62° 02′	30.05	763.3	77	25.0	77	ene.	.....	.....	4	.....	2	.....	s.	0	0	short	wnw.	clear.
U. S. S. Galena, N. 17° 47′, W. 75° 25′*	30.04	763.0	76	24.4	86	ene.	.....	.....	2	.....	2	.....	e.	light	light	sm'h	.....	clear.
U. S. S. Jamestown, N. 16° 01′, W. 61° 55′	30.04	763.0	79	26.1	62	se.	.....	.....	1	.....	10	.....	ene.	.....	.....	mod.	ene.	cloudy
U. S. S. Kearsarge, Jaffa, Syria	29.59	751.6	62	16.7	88	ssw.	.....	.....	0	.....	.....	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Lancaster. Jaffa, Syria	29.59	751.6	61	16.1	94	w.	.....	.....	5	.....	10	.....	ssw.	.....	.....	.....	.....	
U. S. S. Portsmouth, St Thomas, W. I	30.08	764.0	72	22.2	100	ne.	.....	.....	5	.....	10	.....	ssw.	.....	.....	long	ssw.	rain squalls.
U. S. S. Quinnebaug, N. 38° 38′, E. 9° 58′	30.01	762.2	61	16.1	82	sw.	.....	.....	2	.....	2	.....	ne.	.....	.....	.....	.....	clear.
U. S. S. Saratoga, Li-bon, Portugal	29.72	754.9	54	12.2	80	w.	.....	.....	3	.....	2	.....	sw.	.....	.....	.....	.....	fair.
U. S. S. Swatara, Key West, Fla	30.06	763.5	77	25.0	86	sse.	.....	.....	3	.....	2	.....	w.	hv'y	hv'y	sm'h	.....	fair.
U. S. S Vandalia, Key West, Fla	30.02	762.5	76	24.4	86	se.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S Yantic, N. 22° 50′, W. 73° 03′	30.13	765.3	73	22.8	72	se.	.....	.....	2	.....	2	.....	calm	.....	.....	.....	.....	fair.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.92	760.0	57	13.9	69	nnw.	.....	.....	4	.....	2	.....	se.	.....	.....	long	nnw.	fair.
H. M. S. Alecto, N. 5° 06′, W. 1° 14′	29.88	758 9	85	29.4	.....	sw.	.....	.....	3	.....	9	nnw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, N. 37° 45′, E. 23° 45′	29.90	759.4	55	12.8	62	n.	.....	.....	1	.....	9	.....	.....	.....	.....	5	ssw.	squally.
H. M. S. Tyne, N. 33° 07′, E. 28° 10	29.65	753.1	60	15.6	76	n.	.....	.....	5	.....	8	nw.	.....	.....	.....	1	n.	d. clouds
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.87	758 7	83.8	28.8	83	NW.	.....	.....	5	.....	1	nw.	.....	.....	.....	3	nw.	blue sky.
S. S. Lord Gough, N. 48° 31′, W. 24° 37′	.....	.....	45	7.2	.....	nne.	.....	.....	2	.....	7	.....	ne.	3 h'r	3 h'r	3	ene.	d. clouds.
S. S. Ohio, (Am.) N. 40° 57′, W. 46° 42′ †	29.59	751.6	55	12.8	93	nw.	.....	.....	6	.....	8	.....	nnw.	shr's	sh'rs	high	n.	cloudy
S. S. Scandinavian, Glasgow, Scotland	29.55	750.6	48	8.9	.....	sw.	.....	.....	3	.....	4	.....	wsw.	0	0	hv'y	sw.	clear.
S. S. Sardinian, N. 39° 39′, W. 68° 50′	29.54	750.3	47	8.3	.....	ese.	.....	.....	3	.....	10	.....	ese.	3 h'r	3 h'r	.....	.....	raining.
S. S. Dorian, Valencia, Spain	29.85	758.2	.....	.....	.....	sw.	.....	.....	3	.....	10	.....	.....	.....	.....	sm'h	.....	sprinkling.
S. S. St. Laurent, Havre, France	29.61	752.1	63.5	17.5	.....	se.	.....	.....	2	.....	6	.....	.....	0	0	.....	.....	fine.
S. S. Westphalia, Hamburg, Germany	29.93	760.2	51	10.6	.....	s.	.....	.....	4	.....	8	.....	.....	0	0	.....	.....	cloudy.
S. S. Moravia, N. 40° 24′, W. 62° 29′ *	29.43	747.5	46.4	8	.....	se.	.....	.....	2	.....	2	.....	se.	0	0	.....	.....	clear.
S. S. Hevelius, N. 39° 28′, W. 13° 30′ †	29.69	754.1	57	13.9	.....	nw.	.....	.....	5–6	.....	8	.....	nw.	0	0	mod	nw.	squally.
S. S. Archimede, (It.) Marseille, France†	29.98	761.5	66	18.9	.....	w.	.....	.....	6	.....	4	.....	w.	1 h'r	1 h'r	long	wnw.	clear.
S. S. Baltimore, N. 38° 30′, W. 62° 02′ *	29.53	750.0	50.0?	10.0?	.....	ese.	.....	.....	4	.....	3	.....	sse.	0	0	.....	.....	clear.
S. S. City of Augusta, Savannah, Ga *†	29.68	753.9	.....	.....	.....	wnw.	.....	.....	5	.....	5	.....	wnw.	driz.	driz.	h'vy	nw.	fair.
S. S. Rhynland, N. 40° 41′, W. 62° 57′	.....	.....	47	8.3	85	W.	.....	.....	2	.....	6	.....	nw.	rain	rain	.....	.....	clear.?
S. S. Pennland, Antwerp, Belgium *†	29.77	756.1	62	16.7	77	wnw.	.....	.....	4	.....	5	.....	wnw.	8 h'r	8 h'r	r'gh	wnw.	squally.
S. S. Amsterdam, Amsterdam, Holland	.....	.....	.....	.....	.....	se.	.....	.....	3	.....	3	.....	se.	0	0	.....	.....	clear.
S. S. W. A. Scholten, New York, N. Y	29.48	748.8	42.3	5.7	85	s.	.....	.....	2	.....	3	.....	se.	0	0	.....	.....	fair.
S. S. Zaandam, New York, N. Y	29.47	748 5	.....	.....	.....	wnw.	.....	.....	3	.....	10	.....	nw.	0	0	.....	.....	
S. S. Maasdam, N. 48° 21′, W. 17° 07′*	29.21	741.9	49	9.4	78	e.	.....	.....	6	.....	10	.....	.....	2 h'r	2 h'r	.....	.....	rainy.
S. S. Saxon, N. 40° 10′, W. 73° 25′ *†	29.31	744.5	.....	.....	.....	nw.	.....	.....	3	.....	4	.....	nw.	1 h'r	1 h'r	5	nnw.	fair.
S. S. Baltic, N. 41° 27′, W. 57° 29′	.....	.....	.....	.....	.....	se.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	sse.	threatening
S. S. Lepanto, Port Said, Egypt	29.55	750.6	63	17.2	.....	wnw.	.....	.....	4	.....	5	.....	W.	0	0	mod	n.	fair.
S. S. Salerno, Boston, Mass	.....	.....	38	3.3	.....	W.	.....	.....	6	.....	10	.....	sw.	8 h'r	8 h'r	.....	.....	showery.
S. S. Iowa, N. 44° 27′, W. 40° 38′ †	29.83	757.7	60	15.6	.....	ne.	.....	.....	1	.....	10	.....	ne.	0.5	13.	mod.	ne.	snowy.
Bg. Alcira, N. 25° 25′, W. 64° 45′	30.07	763.8	80	26.7	.....	ese.	.....	.....	5	.....	9	.....	ese.	5 h'r	5 h'r	r'gh	ese.	misty.
S. S. Antonio Lopez, Havana, Cuba, W.I	30.08	764.0	64	17.8	94	wsw.	.....	.....	2	.....	4	.....	sw.	0	0	h'vy	nnw.	clear.
Schr. Arthur Burton, Ponce, Porto Rico, W.I†	30.07	763.8	.....	.....	.....	e.	.....	.....	1	.....	1	.....	.....	0	0	.....	.....	hazy.
						ne.	.....	.....	1	.....	2	.....	ne.	0	0	sm'h	.....	fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																	
Schr. Annie R. Lewis, N. 27° 09′, W 64° 23′	.....	.....	72	22.2	.....	wsw.	.....	.....	3	.....	3	.....	w.	0	0	long	nw.	clear.
Schr. Annie A. Holton, N 34° 32′, W. 71° 36′	.....	.....	70	21.1	.....	sw.	.....	.....	4	.....	10	.....	sw.	0	0	rg'h	sw.	cloudy.
Bk. Aureola, N. 36° 40′, W. 36° 25′†	30.09	764.3	64	17.8	94	s.	.....	.....	6	.....	8	.....	ssw.	0	0	mod.	var.	cloudy.
Bg. Abbie Clifford, N. 10° 38′, W. 61° 43′†	30.00	762.0	82	27.8	.....	ne.	.....	.....	1	.....	2	.....	.....	0	0	.....	.....	fine.
Bgt. Achsah, Port of Spain, Trinidad, W. I†	30.02	762.5	79	26.1	.....	calm	.....	.....	0	.....	2	.....	ene.	0	0	.....	.....	clear.
Schr. Abbie H. Gheen, N. 36° 10′, W. 74° 00′*†	29.48	748.8	.....	.....	.....	sw.	.....	.....	8	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
S. S. Bracadalle, N. 34° 10′, E 22° 35′	.....	.....	62	16.7	.....	nne.	.....	.....	6	.....	5	.....	nne.	0	0	high	ef'd	gloomy.
Bk. Benjamin Dieserman, Surinam, Dutch Guiana*†	29.99	761.7	78	25.6	.....	calm	.....	.....	0	.....	6	.....	.....	0	0	.....	.....	fair.
Bk. Cato, N. 43° 40′, W. 11° 34′†	29.52	749.8	56	13.3	84	ssw.	.....	.....	5	.....	3	.....	wsw.	5 h'r	5 h'r	long	var.	clear.
S. Cornelius, N. 34° 42′ W 16° 35′ *†	29.96	761.0	60.1	15.6	.....	wnw.	.....	.....	5	.....	4	.....	wsw.	4 h'r	4 h'r	cross	var.	squally.
S. E. J. Spicer, New York, N Y	29.51	749.5	40	4.4	100	e.	.....	.....	5	.....	10	.....	ne.	6 h'r	6 h'r	.....	.....	light rain.
Schr. Edith R. Seward, N. 30° 43′. W. 71° 15′†	29.90	759.4	70	21.1	.....	sw.	.....	.....	0	.....	4	.....	wsw.	0	0	cross	wsw.	clear.
U. S. Fish Com. S.S. Fish Hawk. Fernandina, Fla †	29.91	759.7	71	21.7	.....	wsw.	.....	.....	5	.....	9	.....	sw.	0	0	sm'h	.....	cloudy
Bg. George, N. 20° 07′, W. 68° 10′*†	30.12	765.0	.....	.....	.....	e.	.....	.....	2	.....	2	.....	e	0	0	long	n.	fair.
S. Grecian, N 33° 25′, W. 42° 12′†	29.93	760 2	68	20.0	69	sw.	.....	.....	6	.....	1	.....	w.	8 h'r	8 h'r	cross	var.	clear.
Bk. Galeon, N. 13° 05′, W. 41° 35′†	30.03	762.7	75	23.9	.....	ene.	.....	.....	5	.....	3	.....	ene.	0	0	.....	ene.	blue sky.
Bk. Hattie G. McFarland, N. 12° 06′, W. 81° 20′	.....	.....	80	26.7	.....	n.	.....	.....	5	.....	4	.....	n.	0	0	long	ne.	fine.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	80	26.7	.....	wsw.	.....	.....	2	.....	8	.....	sw.	3 h'r	3 h'r	.....	.....	cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.09	764.3	.....	.....	.....	sse.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....	clear.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†	29.97	761.2	.....	.....	.....	.....	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, Zaza, W.I*†	30.15	765.8	.....	.....	.....	ene.	.....	.....	5	.....	.....	.....	ene.	0	0	.....	.....	fine.
Schr. Jenny Greenbank, Orinoco river Venezuela*	29.98	761.5	75	23.9	.....	ene.	.....	.....	1	.....	3	.....	ene.	2 h'r	2 h'r	.....	.....	
Schr. Jenny R Morse, Smithville, N. C†	29.48	748.8	.....	.....	.....	sw.	.....	.....	6	.....	8	.....	wsw.	0	0	h'vy	ene.	
Light-house tender Laurel, Key West, Fla†	30.02	762.5	76	24.4	.....	sse.	.....	.....	2-3	.....	1	.....	sse.	0	0	.....	.....	clear.
S. S. Mendoza, N. 10° 21′, W. 54° 42′	.....	.....	.....	.....	.....	ene.	.....	.....	1	.....	.....	.....	ne.	1 h'r	1 h'r	long	nw.	clear.
Bg. Rising Sun, N. 23° 15′, W. 57° 59′†	30.05	763.3	72	22.2	.....	nnw.	.....	.....	3	.....	1	.....	nnw.	0	0	long	wnw.	
Bk. Rosalie, N 28° 46′, W. 31° 53′*†	30.23	767.8	.....	.....	.....	ssw.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bkt. Rosebud, N. 36° 18′, W 16° 39′ *	29.86	758.4	57	13.9	.....	nnw.	.....	.....	5-6	.....	2	.....	.....	light	light	cross	w.	fair.
S. Ringleader. N. 1° 42′, W. 28° 00′†	29 85	758.2	85	29.4	72	e.	.....	.....	4	.....	6	.....	.....	1 h'r	1 h'r	mod.	ne.	
S. Salisbury, N. 39° 02′, W. 54° 04′	29.40	746.8	55.9	13.3	85	wnw.	.....	.....	2-3	.....	6 kn	.....	w;nw	3 h'r	3 h'r	long	e; sw.	fair.
Bk. Saga, N. 31° 00′, W. 63° 31′†	29.89	759.2	67	19.4	.....	.....	.....	.....	7-9	.....	4	.....	.....	½ h'r	½ h'r	10	.....	fair.
Bk. Sunbeam, Lisbon, Portugal	29.71	754.6	62	16.7	88	wsw.	.....	.....	6	.....	9	.....	wnw.	8 h'r	8 h'r	.....	.....	cloudy.
Bgt. Sunlight, N. 33° 00′, W. 76° 00′†	29.76	755.9	.....	.....	.....	wsw.	.....	.....	5	.....	6	.....	wsw.	2 h'r	2 h'r	mod	wnw.	hazy.
S. Stephen D. Horton, N. 43° 40′, W. 44° 26′ ††	29.70	*54 4	.....	.....	.....	nne.	.....	.....	2	.....	10	.....	nne.	20 h'r	20 h'r	short	nne.	drizzling.
Bk. Silica, N. 58° 17′, W. 33° 30′*	30.00	762 0	.....	.....	.....	nw.	.....	.....	5	.....	10	.....	nnw.	0	0	sm'h	.....	overcast.
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.15	765 8	76	24.4	.....	e.	.....	.....	2	.....	2	.....	e.	0	0	.....	.....	clear
Schr John Bracewell, Philadelphia, Pa†	29.51	749.5	41	5.0	.....	ne.	.....	.....	3	.....	10	.....	.....	2 h'r	2 h'r	.....	.....	threatening.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.87	758.7	78	25.6	61	ene.	6	2.7	.....	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Pensacola. S. 7° 40′, W 19° 28′†	30.00	762.0	82	27.8	87	ese.	.....	.....	3	.....	5	.....	ese.	light	light	sm'h	.....	fair.
U. S. S. Shenandoah, Rio de la Plata*	30.22	767.6	66	18.9	89	ese.	.....	.....	5	.....	10	.....	ese.	.....	.....	mod.	ese.	cloudy.
H. M. S. Amethyst, Montevideo, Uruguay	30.12	765.0	66	18.9	79	ese.	.....	.....	3	.....	10	e.	.....	.....	.....	1	ese.	overcast.
H. M. S. Boadicea, Angra Pequena, S. Africa	29.87	758.7	62	16.7	.....	nnw.	.....	.....	1	.....	1	nnw.	.....	.....	.....	.....	.....	misty.
H. M. S. Sylvia, S. 36° 28′, W. 41° 15′	30.25	768.3	60	15.6	69	sse.	.....	.....	3	.....	7	nw.	.....	.....	.....	3	sse.	showery.
Bk. Adelaide, S 3° 52′, W. 36° 14′ *†	29.96	761.0	80	30.0	.....	se.	.....	.....	4	.....	2	.....	ese.	0	0	light	se.	hazy.
Bk. Achille F., S. 14° —′, W. 33° 45′*†	30.05	763.3	81.5	27.5	85	ne.	.....	.....	1	.....	6	.....	e.	0	0	long	s.	
Bk. Bore, S 0° 08′, W. 24° 50′ †*	30.05	763 3	84	28.9	.....	ne	.....	.....	2	.....	4	.....	ese.	1 h'r	1 h'r	sm'h	.....	fair.
S. Frank N. Thayer, S. 17° 01′, W. 26° 53′*	29.93	760.2	84	28.9	61	ene.	.....	.....	2	.....	2 k	.....	ene.	0	0	light	sse.	blue sky.
S. Gatherer, S. 20° 53′, W. 37° 50′†	30.00	763.5	85	29.4	79	se.	.....	.....	1	.....	1	.....	se.	0	0	sm'h	se.	clear.
S. Ismir, S. 0° 29′, W. 35° 45′ *†	29.80	756.9	.....	.....	.....	calm	.....	.....	0	.....	8	.....	calm	rain	rain	long	sse.	raining.
Bkt. Levanter, S. 13° 40′, W. 36° 26′	30.05	763.3	84	28.9	.....	ne	.....	.....	2	.....	10	.....	.....	2 h'r	2 h'r	light	se.	cloudy.
S. S. Strassburg. S. 28° 16′, W. 45° 57′	30.18	766.6	75.0	23.9	81	ese.	.....	.....	5	.....	4	.....	ese.	½ h'r	½ h'r	3	var.	squally.
Bk. Xenia, S 9° 32′, W. 29° 32′ *†	30.08	764.0	84	28.9	.....	ese.	.....	.....	4	.....	2	.....	ese.	0	0	sm'h	se.	clear.
H. P. M. S Rainha de Portugal, Mossamedes, Benguela	29.80	757.0	70.1	24 5	82	nw.	.....	.....	2	.....	3	.....	.....	0	0	1	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska†	29.86	758.4	44	0.7	68	e.	.....	.....	4	.....	5	.....	ese.	.....	.....	.....	.....	fair.
U. S. Naval Hospital, Yokohama, Japan	.....	.....	37.5	3.1	43	n.	.....	.....	6	.....	8	.....	w.	0.39	9.9	.....	.....	cloudy.
U. S. S. Alert, Shanghai, China	30.27	768.8	49	9.4	77	sse.	.....	.....	2	.....	5	.....	calm	.....	.....	.....	.....	fair
U. S. S. Essex, N. 30° 40′, E. 155° 45′	29.96	761.0	60	18.9	100	s.	.....	.....	5	.....	10	.....	.....	.....	.....	mod.	n.	overcast.
U. S. S. Juniata, off Round Island, Corea	30.20	767.1	40	4.4	91	sw.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Monocacy, Canton river, China	30.12	765.0	59	15.0	59	n.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....	cloudy.
U. S. S. Richmond, Canton river, China	30.13	765.3	60	15.6	77	n.	.....	.....	3	.....	10	.....	n.	0.1	3.	.....	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	30.00	763.5	61	16.1	82	ene.	.....	.....	4	.....	8	ene.	.....	.....	.....	.....	.....	squally.
H. M. S. Cleopatra, N. 31° 28′, E. 121° 31′	30.19	766.8	.....	.....	.....	n.	.....	.....	1	.....	4	s.	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.23	767.8	53	11.7	75	ne.	.....	.....	5	.....	10	.....	.....	.....	.....	2	e.	drizzling.
H. P. M. S. Tamega, Macao, China	30.13	765.3	62.6	17.0	70	ne.	.....	.....	4	.....	10	.....	.....	3 h'r	3 h'r	.....	.....	overcast.
U. S. S. Palos, Shanghai, China	30.24	768.1	47	8.3	85	sse.	.....	.....	3	.....	5	.....	calm	.....	.....	.....	.....	fair.
S. S. Arabic, N. 30° 22′, E. 165° 52′ *†	30.27	768.8	65	18.3	88	ese.	.....	.....	4	.....	10	.....	ese.	0	0	mod.	ese.	misty.
S. S. City of Chester, San Francisco, Cal †	30.20	767.1	48	8.9	85	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Columbia, N. 44° 12′, W. 124° 30′ *†	29.91	759.7	49.5	9.7	100	s.	.....	.....	5	.....	10	.....	s.	0	0	r'gh	s.	rainy.
S. S. Oregon, Portland, Oregon†	30.06	763.5	50	10.0	79	calm	.....	.....	0	.....	8	.....	sw.	.....	.....	.....	.....	cloudy.
S. S. Oceanic, N. 31° 48′, E. 132° 29′	30.19	766.8	55	12.8	68	n.	.....	.....	5	.....	4	.....	nw.	0	0	4	s.	fair.
S. S. Alameda, N. 22° 15′, W. 156° 25′†	30.18	766.6	71	21.7	.....	ene.	.....	.....	5	.....	4	.....	e.	0	0	mod.	e.	fair.
S. S. State of California, San Francisco, Cal †	30.19	766.8	45	7.2	92	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. City of Pekin, N. 23° 01′, E. 117° 12′†	30.12	765.0	58	14.4	88	ne.	.....	.....	6	.....	10	.....	nne.	0	0	r'gh	ne.	overcast.
S. S. City of Rio de Janeiro, N. 33° 01′, W. 137° 52′†	30.31	769.9	64	17.8	.....	w.	.....	.....	3	.....	6	.....	sw.	.....	.....	mod.	w.	cloudy.
S. S. Colima, N. 35° 13′, W. 121° 19′ †	30.23	767.8	54	12.2	100	nw.	.....	.....	2	.....	6	.....	nw.	0	0	mod	nw.	cloudy
S. S. Granada, N. 8° 07′, W. 83° 27′†	29.90	759.4	80	26.7	91	nw.	.....	.....	2	.....	0	.....	.....	0	0	light	s.	clear.
S. S. San Blas, N. 10° 20′, W. 86° 13′†	29.93	760.2	79	26.1	91	ene.	.....	.....	6	.....	0	.....	.....	0	0	hv'y	ese.	clear.
S. S. Benalder, N. 10° 30′, E. 107° 45′	29.95	760.7	81	27.2	83	ene.	.....	.....	3-4	.....	0	.....	.....	0	0	sm'h	.....	clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 21° 10′ W. 76° 27′	30.05	763 3	65	18.3	88	ene.	.....	.....	2	.....	2	.....	ne.	.....	.....	sm'h	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.93	760.2	69	20.6	95	ne.	.....	.....	1	.....	5	.....	e.	.....	.....	.....	.....	fair.
U. S. S. Onward, Callao, Peru*†	30.04	763.0	68	20.0	95	nne.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Pinta, Talcahuano, Chili	30.14	765.5	55	12.8	93	calm	.....	.....	0	.....	5	.....	calm	.....	.....	.....	.....	fair.
U. S. S. Wachusetts, Valparaiso, Chili	30.04	763.0	58	14.4	94	calm	.....	.....	0	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
H. M. S. Espiegle, S. 34° 05′, E. 152° 41′	30.05	763.3	71	21.7	71	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	2	ne.	blue sky.
H. M. S. Nelson, Sydney, N.S.W.	30.03	762.7	66	18.9	95	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sappho, S. 27° 40′, W. 71° 25′	30.11	764.8	60	15.6	100	var.	.....	.....	1	.....	6	s.	.....	.....	.....	2	s.	misty.
H. M. S. Kingfisher, S. 29° 50′, W. 71° 20′	30.00	762.0	60	15.6	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	overcast.
S. S. Australia, S. 19° 36′, W. 173° 11′ *.	29.71	754.6	80	26.7	82	se	.....	.....	5	.....	4	.....	se.	0	0	.....	.....	clear.
S. S. City of Sydney, S. 32° 13′, E. 178° 24′*†	30.28	769.1	68	20.0	79	e.	.....	.....	5	.....	8 kn	.....	ene.	.....	.....	r'gh	ene.	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.76	755.9	82	27.8	79	nnw.	.....	.....	3-4	.....	5	.....	nnw.	.....	.....	.....	.....	fair.
H. M. S. Euryalus, N. 18° 38′, E. 38° 10′	29.69	754.1	81	27.2	78	e.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S 11° 10′, E. 90° 10′	29.87	758.7	75.8	24.3	94	se.	.....	.....	2	.....	9	.....	.....	.....	.....	4	se.	d. clouds.
S. J. W. Gildemeister, S. 9° 26′, E 103° 03′	29.91	759 7	81.5	27.5	80	se.	.....	.....	4	.....	8 k	.....	.....	2 h'r	2 h'r	3	var.	overcast.
Bk. Nouva Margherita, S. 6° 13′, E. 105° 04′†	29.79	756.7	.....	.....	.....	wnw.	.....	.....	2	.....	.....	.....	w.	rain	rain	long	sw.	cloudy.
S. Orealin, N. 3° 25′, E. 83° 15′*	29.82	757.4	.....	.....	.....	var.	.....	.....	4	.....	0	.....	.....	0	0	sm'h	w.	clear.

International Chart I. April 2, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 3, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
ALGERIAN.																			
Nemours	....	.....	29.97	761.1	64.8	18.2	89	se.	.....	.....	1	.....	6	.....	.....	0.461	11.7	cloudy.....	Roziere.
Algiers	.....	.....	29.95	760.8	59.0	15.0	68	wsw.	.....	.....	6	.....	0	.....	.....	0.402	10.2	clear.....	Thève.
La Calle	.....	.....	29.97	761.2	68.0	20.0	87	w.	.....	.....	3	.....	4	.....	.....	0	0	cloudy.....	Fonfrède.
Tunis	... ...	.....	29.96	760.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.02	762.5	.....	.....	.....	... ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.08	764.0	73.4	23.0	.....	nw.	.....	.....	6	.....	2	.....	.....	0	0	fair.....	Abraham.
Biskra	.....	.....	30.10	764.4	69.1	20.6	58	calm	.....	.....	0	.....	0	.....	.....	0	0	clear.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.18	766.6	56.7	13.7	63	se.	3	1.3	.....	3 c	.....	.....	.....	0.025	0.6	fine	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.81	757.2	30.00	762.0	53	11.7	87	calm	0	0	.....	.....	1	.....	W.	0	0	clear.....	Com. J. Shortt, R.N.
Melbourne, Victoria	30.03	762.7	30.12	765.0	59.0	15.0	81	sse.	10	4.5	.....	.....	10	.....	.....	0.19	4.8	dull.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.27	743.5	29.81	757.1	63.1	17.3	39	ne.	.....	.....	3	.....	6	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.19	741.4	29.98	761.4	41.7	5.4	50	e.	9.4	4.2	.....	.....	1	.....	..	0	0	.....	Dr. Wierzbiski
Eperies	29.05	737.8	29.95	760.7	41.7	5.4	36	n.	.....	.....	4	1 cs	.....	s.	.....	0	0	.....	Julius Mikolik.
Gratz	28 61	726.6	29.84	757.9	57.4	14.1	47	se.	.....	.....	3	.....	2	.....	.....	0	0	.....	Andreas Rosipini.
Hermannstadt	28.35	720.0	29.79	756.7	46.2	7.9	58	n.	... ...	.....	4	.....	2	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.40	721.4	29.72	754.9	55.6	13.1	64	ene.	.....	.....	4	.....	0	.....	.....	0	0	clear	The Staff.
Lemberg	28.03	734.9	29.95	760.8	37.0	2.8	46	ne.	.....	.....	5	.....	6	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.72	755.0	29.84	757.8	63.3	17.4	63	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.36	745.7	.....	.....	45.9	7.7	29	n.	.....	.....	5	.....	0	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.57	751.1	29.85	758.3	50.0	10.0	32	n.	.....	.....	3	.....	0	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.78	756.5	29.88	759.0	60.1	15.6	68	n.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.17	741.0	29.89	759.1	54.3	12.4	46	se.	.....	.....	1	.....	1	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	64.2	17.9	41	se.	.....	.....	4	.....	1	.....	.....	.....	.....	raining	
Brussels	29.41	746.0	29.60	751.8	68.2	20.1	34	sse	.....	.....	3	.....	6	sse.	s.	0	0	....	
Furnes	29.54	750.3	29.56	750.8	65.8	18.8	54	sse.	.....	.....	4	.....	1	.....	.....	0	c	.....	
Maeseyck	29.52	749.9	29.65	753.1	72.3	22.4	45	e.	.....	.....	2	.....	0	.....	.....	0.079	2.0	.....	
BRITISH.																			
Aberdeen	29.55	750.6	29.65	753.1	49.1	9.5	87	se.	7	3.1	.....	.....	6	.....	.....	0	0	d. clouds.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.45	748.0	60.8	16.0	52	ese.	10	4.5	.....	.....	6	.....	.....	.....	.....	d. clouds.....	John Harnup.
Bolton, Sharples	28.95	735.3	29.47	748.5	57.6	14.2	74	ese.	6	2.7	.....	.....	7	.....	.....	.....	.....	misty.....	Thomas Mackereth.
Bradford, Yorkshire	29.10	739.1	29.49	749.0	57.2	14.0	74	e.	.....	.....	2	.....	5	.....	.....	0.02	0.5	d. clouds.....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.03	762.7	30.06	763.5	82.0	27.8	81	e.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds....	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E	29.34	745.2	29.51	749.5	62.6	17.0	63	s.	.....	.....	4	.....	6	.....	.....	blank	blank	d. clouds.....	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.24	742.7	29.46	748.3	51.2	10.7	89	se.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Fort Napier, Natal	27 76	705.1	30.07	763.8	70.0	21.1	85	ne.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds...	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	29.64	752.8	29.87	758.7	82.0	27.8	79	w.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds...	J. W. Smith.
Galway, Queen's College	29.35	745.5	29.39	746.5	52	11.1	73	e.	.....	.....	2	.....	7	.....	.....	0.02	0.5	gloomy	Wm. Ryan.
Gioraltar, Mediterranean	29.87	758.7	29.98	761.5	61.4	16.3	88	nw.	.....	.....	5	.....	6	.....	.....	.....	.....	d. clouds .. .	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.32	744.7	29 49	749.0	63.5	17.5	66	sse.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds.....	The Staff.
Guernsey	29.19	741.4	29.48	748.8	47.2	8.4	94	sw.	.....	.....	1	.....	10	.....	.....	0.19	4.8	overcast.....	A. Collenette, F.R.M.S
Kew, Observatory	29.44	747.8	29.48	748.8	61.2	16.2	63	se.	15	6.7	.....	.....	6	.....	.....	.....	.....	d. clouds.....	The Staff.
Leicester, Museum	29.21	741.9	29.46	748.3	64.8	18.2	56	calm	.....	.....	0	.....	3	.....	.....	.....	.....	d. clouds.....	J. C. Smith.
Malta, Mediterranean	29.92	760.0	30.00	762.0	66.4	19.1	59	sw.	.....	.....	2	.....	4	.....	.....	0.04	1.0	d. clouds.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.97	761.2	30.02	762.5	78.0	25.6	73	w.	.....	.....	4	.....	4	.....	.....	.....	.....	d. clouds.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.22	742.2	29.45	748.0	61.2	16.2	61	se.	.....	.....	3	.....	10	.....	.....	.....	.....	threatening	The Staff.
Plymouth	29.38	746.2	29.46	748.3	49.3	9.6	93	calm	.....	.....	0	.....	10	.....	.....	.....	.....	overcast.....	John Merrifield.
Sandwick Manse, Orkneys	29.52	749.8	29.62	752 3	53.2	11.8	88	.....	.....	.....	.....	.....	3	.....	.....	.....	.....	d. clouds.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.22	742.2	29.49	749.0	61.1	16.2	64	sw.	.....	.....	1	.....	1	.....	.....	blank	blank	blue sky.....	W. H. Lyne.
Sheffield	29.73	755.1	29.80	756.9	52.2	11.2	63	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds.....	W. F. Cooper.
Silloth Rectory	29.22	742.2	29.49	749.0	61.1	16.2	64	ne.	.....	.....	1	.....	7	.....	.....	0.118	3.0	d. clouds.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	29.47	748.5	29.50	749.3	56.6	13.7	87	e.	.....	.....	2	.....	6	.....	.....	0.250	6.3	d. clouds.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	29.50	749.3	57.9	14.4	76	ne.	9	4.0	.....	.....	6	.....	.....	.....	.....	d. clouds.....	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.35	745.5	29.37	746.0	00.6	15.9	72	s.	.....	.....	3.0	.....	9	.....	.....	blank	blank	misty.....	The Met'l Office.
Sub-series.					52.5	11.4	67	se.	23	10.3	.....	.....	6	.....	.....	.....	.....	.....	
Gozo, Episcopal Seminary	29.62	752.3	30.01	762.2	62.6	17.0	74	sw.	6.2	2.8	.....	0	1 n	.....	sw.	0	0	misty.....	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.86	758.4	29.98	761.5	59.6	15.3	91	e.	26	11.6	.....	.....	10 k	.....	e.	0.130	3.3	overcast.....	The Staff.
CANADIAN.																			
Bathurst, N. B	29.42	747.3	29.46	748.3	36.0	2.2	.....	ne.	10	4.5	.....	.....	10 n	.....	.....	0.500	12.7	snowing.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.32	744 7	29.37	746.0	34	1.1	88	e.	16	7.2	.....	.....	10 s	.....	.....	0	0	cloudy.....	H. J. Cundall, C. E.
Chatham, N. B*	29.33	745.0	29.40	746.7	33	0.6	96	ne.	10	4.5	.....	.....	10 n	.....	ne.	0.05	1.3	cloudy.....	G. A. Blair.
Cornwall, Ontario	29.10	730.1	29.30	744 2	32.6	0.3	93	n.	.....	.....	1	.....	10 n	.....	.....	0.050	1.3	snowing.....	Jas. Smith, M. A.
Dalhousie, N. B	29.38	746.2	29.43	747.5	35.0	1.7	.....	e.	.....	.....	3	.....	10 n	.....	.....	0.390	9.9	drizzling.....	H. A. Johnson.
Father Point, Quebec*	29.35	745.5	29.38	746.2	34	1.1	82	ne.	18	8.0	.....	.....	10 s	.....	ne.	0.05	1.3	threatening.	J. McWilliams
Fort Garry, Manitoba*	29.22	742.2	29.49	749.0	61.1	16.2	64	ne.	.....	.....	1	.....	2	.....	.....	0	0	clear.....	James Stewart.
Fredericton, N. B	29.18	741.2	29.24	742.7	34.0	1.1	100	ne.	14	6.3	.....	.....	10 n	.....	.....	0.130	3.3	snowing.....	Dr. Thos. Harrison.
Grand Manan, N. B	28.95	735.3	29.01	736.8	35	1.7	89	e.	41	18.3	.....	.....	10 n	.....	.....	0.75	19.0	heavy rain..	J. Chipman Seeley
Granton, Ontario	28.59	726.2	29.73	755.1	29.0	— 1.7	100	nw.	9	4.0	.....	.....	10 n	.....	e.	0	0	overcast.....	Jas. Grant.
Halifax, N. S*	29.05	737 9	29.18	741.2	36	2.2	96	ne.	32	14.3	.....	.....	10 n	.....	.....	0.170	4.3	heavy rain..	A. Allison.
Hamilton, Ontario	29.20	741.7	29.62	752.3	31.9	— 0.1	83	sw.	.....	.....	1	8 ck	0	sw.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.10	730.1	29.44	747.8	29	— 1.7	88	nw.	10	4.5	.....	.....	10 n	.....	n.	0.12	3.0	light snow..	A. P. Knight, M. A
Little Grace Bay, N. S	29.30	746.5	29.43	747.5	33.5	0.8	94	se.	3	1.3	.....	.....	10 n	.....	.....	0	0	overcast.....	C. H. Rigby.
London, Ontario	28.70	731.3	29.72	754.9	30.8	— 0.7	89	nw.	.....	.....	3	.....	10 s	.....	.....	0.250	6.3	overcast.....	E. B. Reed.
Medicine Hat, N. W. T	27.69	703.3	29.93	760.2	34	1.1	96	e.	3	1.3	.....	.....	0	.....	.....	0	0	blue sky.....	John Ewart.
Minnedosa, N. W. T	28.10	713.7	30.10	764.5	29	— 1.7	88	nw.	7	3.1	.....	1 c; hz	0	nw.	.....	0	0	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	29.07	738.4	29.28	743.7	34	1.1	96	n.	15	6.7	.....	.....	10 n	.....	.....	0.13	3.3	raining.....	C. H. McLeod, C. E.
Ottawa, Ontario	29.17	740.0	29.40	746.7	30.5	— 0.8	79	wnw.	.....	.....	.....	.....	10 s	.....	.....	.....	.....	snowing.....	A. McGill, M. A.
Parry Sound, Ontario*	28.03	734.8	29.05	753.1	24	— 4.4	88	nw.	14	6.3	.....	4 k	5 n	n.	n.	inap.	inap.	fair.....	Rev. R. Mosley.
Peterboro, Ontario	28.75	730.2	29.81	749.5	29.4	— 1.4	76	nw.	.....	.....	2	0	5 k	.....	.....	0	0	d. clouds.....	Wm. O'Connor, M.A.
Port Arthur	29.18	741.2	29.00	759.4	39	3.9	54	wnw.	4	1.8	.....	5 ck	0	n.	.....	0	0	d. clouds.....	W. P. Cooke.
Port Dover, Ontario	28.95	735.3	29.66	753.4	32	0.0	89	nw	8	3.6	.....	.....	10 ks	.....	w.	0.01	0.3	cloudy.....	R. Morgan.
Port Stanley, Ontario	29.04	737.6	29.71	754.6	31	— 0.6	88	w.	20	8.9	.....	.....	10 n	.....	nw.	0.03	0.8	cloudy	M. Payne.
Qu Appelle, N. W. T	27.76	705.1	30.05	763.3	39	3.9	.....	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	Leslie Gordon.
Quebec, Quebec*	28.01	734.3	29.27	743.4	33	0.6	96	ne	12	5.4	.....	.....	10 n	.....	ne.	0.03	0.8	cloudy.....	Capt. Ashe, R. N.
Rockliffe, Ontario*	28.97	735.6	29.70	754.4	29	— 1.7	92	n.	30	13.4	.....	.....	8	.....	n.	inap	inap.	cloudy.....	W. H. McIntyre.
St. Andrews, N. B	29.07	738.4	29.54	750.3	24	— 4.4	80	nw.	12	5.4	.....	.....	s	.....	.....	.....	.....	.....	
St. John, N. B	29.01	736.8	29.06	738.1	37	2.8	97	e.	25	11.2	.....	.....	10 n	.....	.....	0.34	8.6	heavy rain..	G. Hutchinson.
St. Pierre, N. F	28.97	735.8	29.11	739.4	37.3	2.9	97	.....	.....	.....	.....	.....	10 n	.....	.....	.....	.....	raining.....	The Commandant.
Toronto, Ontario*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Stratford, Ontario	28.66	735.6	29.70	754.4	29	— 1.7	92	n.	30	13.4	.....	.....	10 s	.....	.....	0	0	cloudy.....	W. McBride, M.A
	28.39	721.1	29.72	754.9	28.0	— 2.2	87	n.	13	5.8	.....	.....	10 s	.....	.....	0	0	d clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	29.48	748.8	29.54	750 3	34	1.1	96	e.	15	6.7			10 n			0.06	1.5	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29 24	742.7	29.63	752.6	29	— 1.7	74	nw	30	13.4			10 ks		nw.	0.04	1.0	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.62	726.9	29.71	754 6	30.4	— 0.9	73	W.	20	9			10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	28.83	732.3	28.89	733.8	41.	5.0	96	e.	18	8.0			10 s		se.	0.70	17.8	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.96	761.0	29.99	761.7	72.0	22.2	83	ne.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.89	759.2			74.0	23.3	55	nne.				0	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.90	708.6			89	31.7	52									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					57.9	14.4	76	se.			1	0				0	0	clear	Leon Herrera.
Valparaiso	29.88	759.0	30.02	762.6	56.1	13.4	94	sw.			1	0	0			0	0	misty	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.04	762 9	30.06	763.5	50.0	10.0	80	sse.	10.1	4.5		5 cs	0	w.		0	0	cloudy	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.95	760 8	30.00	762.0	44.6	7.0	65	sse.	20	9			0						Oversergent Fischer.
Fanöe	29.83	757.7	29.85	758.2	54.3	12.4	64	ese.			4		0						Overloerer Lauridsen.
Godthaab, Greenland	30.08	763.9	30.12	765.0	30.4	— 0.9	100	nne.			2		10						S. Kleinschmidt.
Ivigtut, Greenland	29.99	761.7	30.01	762.2	30.2	— 1.0		calm			0		10					foggy	
Stykkisholm, Iceland	30.00	762.1	30.05	763.2	30.6	— 1.1	82	e.			4		0						A. O. Thorlacius.
Thorshavn	29.76	755.8	29.78	756.4	44.4	6.9	86	ne.	16	7			4						Overloerer Bergh.
Upernavik, Greenland	30.22	767.5	30.26	768.7	— 0.6	—18.1		calm			0		10					foggy	
Vestervig	29.79	756.6	29.88	758.9	55.0	12.8	54	se.			4		0						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.72	755.0			65.3	18.5		nw.	5.6	2.4			9 k			0	0		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.08	738.5	29.73	755 1	47.1	8.4	94	wnw.			1		10 n	w.	w.	0.114	2.9	sprinkling	M. Laurous, Director.
Alençon, Normal School	28.98	736.0	29.53	750 0	55.4	13	98	se.			1		8 n		nw.	0.024	0.6	very cloudy	M. Nicot, Director.
Arras, Normal School	29.33	745.0	29.57	751 0	68.4	20.2	36	e.			4		2		n.	0	0	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.60	751.8	29.68	753.8	56.5	13.6	82	se.			1		10					raining	M. Giraud, Director.
Bar-sur-Seine	29.04	737.6	29.58	751 3	64.8	18.2	42	sse.			8		10		s.	0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.27	743 4	29.52	749.8	64.4	18.	47	sse.			1		8		s.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.72	729.5	29 59	751.6	66.2	19.	46	n.			1	ck			nw.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.38	746 2	29.64	752.8	49.5	9.7	77	w.			2		10		w.	0.287	7.3	covered	M. Rayet, Director.
Bourges, Normal School	29.00	736.5	29.54	750.2	64.0	17.8	54	s.			1		10		s.	0.059	1.5	covered	M. Sauvageot, Director.
Brest, Naval Observatory	29.28	743.7	29.52	749 9	58.6	14.8	80	sw.			2		7		sw.	0.906	23.0		M. de Kermarec, Dir.
Caen, Normal School	29.36	745 7	29.43	747 6	57.2	14.0	95	ssw.			1		8			0	0	very cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.30	744.1	29.61	752.0	70.0	21.1	78	s.			6		2		sw.	0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.12	739.6	29.64	752.8	66.6	19.2	36	se.			1		5			0	0	½ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.22	716.9	29.56	750 9	53.6	12.0	68	se.			2		10						M. Allnard, Director.
Cluny, Normal School	28.82	731.9	29.67	753.5	63.7	17.6	39	s.			4		9		s.	0.209	5.3		M. de Villemontée, Dir.
Cosnier cy, Normal School	28.87	733.2	29.67	753 5	64.0	17.8	40	nw.			1		kn	nw.	nw.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.25	692.2	29.77	756.1	55.0	12.8	68	n.			2		10 n		n.	0.016	0.4		M. Jarach, Director.
Gréasque, du Rhone	28.60	726.3	29.72	754 9	52.3	11.3	93	se.			1		10		se.	0.04	1.		M. Kina, Director.
Grenoble, Normal School	28.86	733.1	29.60	751 9	66.2	19.	24	s.			6	ck	n		sw.	0	0	raining	M. Allard, Director.
Guéret, Normal School	28.07	713.0	29.64	752 8	46.4	8	77	s.			4		10 n		sw.				M. Delorme, Dir.
Lambaile Normal School	29.23	742.5	29.51	749 5	52.5	11.4	86	w.			1		10 n		w.	0.429	10.9	covered	M. Polipre, Dir.
Lescar, Normal School	29.10	739.2	29.68	753 8	55.8	13.2	51	wnw.			1		8 kn			0.031	0.8	very cloudy	M. Chauvin, Director.
Lorient, Naval Observatory	29.44	747.8	29.54	750.4	54.3	12.4	74	s.			2		10	sw.	s.	0.067	1.7	covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28.59	720.1	29.62	752.3	60.4	15.8	46	s.			1		10 n		s.	0	0	covered	M. André, Director.
Mans, Normal School	29.20	741.6	29.50	749.2	56.7	13.7	82	sw.			1		8 n		sw.	0.004	0.1	very cloudy	M. Richard, Director
Marseille, Observatory	29.44	747.8	29.71	754 7	54 7	12.6	72	ese.			6–8		10		se.	0.906	23.0	raining	M. Stephan, Director.
Montlouis	24.50	622 2			41.0	5.0	57	w.	11.2	5.0			4	w.		0.205	5.2		M. Cave for Dr. Fines.
Montpellier, Normal School	29.49	749.0	29.60	751.8	56.5	13.6	100	se.			6		10	ese.		0	0	covered	M. Galzin, Director.
Nancy, Normal School	28.86	733.1	29.63	752 6	63.0	17.2	43	ne.			1					0.059	1.5		M. Hasse, Director.
Nantes, Observatory	29.42	747.3	29.58	751 4	52.9	11.6	78	w.			0–1		9n;kn		wsw.	0.512	13.0		M. Larocque, Director.
Perpignan, Observatory	29.49	749 1	29.60	751.9	60.4	15.8	59	nw.	13.0	5.8			7	s.	sw.	0.083	2.1		Dr. Fines, Director.
Pic-du-Midi, Summit	20.81	528.7			23.4	— 4.8		sw.			1		5		sw.	0.268	6.8	cloudy	M. Vaussenat, Director.
Privas, Normal School	28 56	725 3	29.60	751.8	58.5	14.7	48	s.			6		1	s.	s.	0.075	1.9	clear	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.75	628.6			34.2	1.2	97	s.			6		10			0	0		M. Allnard.
Rochefort, Naval Obs'y	29.57	751.0	29.60	751.8	52.2	11.2	75	nw.			1		10		nw.	0.08	2		Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.38	746 3	29.60	751.7	51.8	11	82	s.			1				n.	0.280	7.1	covered	M. Brethier, Director.
Rodez, Normal School	27.58	700.4	29.76	756 0	40.8	4.9	97	n.			1		10		e.	0.567	14.4	raining	M. Seger, Director.
Rouen, Normal School	29.61	752.1	29.66	753.3	64.0	17.8	65	sse.			1		2		s.	0	0	slightly cl'dy	M. Moullot, Dir.
Saint Maur, Observatory	29.38	746.2	29.54	750 4	61.5	10.4	44	s.			1		8		s.	0	0	very cloudy	M. Renou, Director.
Toulouse, Observatory	28.97	735 8	29.68	753 9	56.7	13.7	59	wnw.			4		5	w.		0.039	1.0	cloudy	M. Bailland, Director.
Tours	29.34	745.1	29.51	749 6	57.6	14.2	67	ese.			1		8	s.	se.	0.008	0.2	covered	M. de Tastes.
Versailles, Observatory	29.05	737.9	29.54	750.4	61.5	16.4	50	s.			2					0.091	2.3		Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.52	749.8	29.67	753.6	59.0	15.0	68	sw.	5.8	2.6			6 k		e.	0.331	8.4		M. Carlier, Director.
GERMAN.																			
Ansbach	28.29	718.6	29.70	754.3	62.6	17.0	35	se.			4		0			0	0		Prof. Juedt.
Bamberg	28.94	735.1	29.78	756.4	62.1	16.7	48	se.			4		0			0	0		Prof. Dr. Hoh.
Berlin	29.76	755.8	29.90	759.4	55.8	13.2	38	e.			2		0			0	0		Meteorological Institute
Breslau	29.49	749.1	30.02	762.6	45.3	7.4	36	e.			3		0			0	0		Royal University Obs'y
Carlsruhe	29.21	741.8	29.64	752.9	66.6	19.2	39	ne.			2		0			0	0		Albert Seiz.
Cassel	29.02	737.2	29.74	755.3	66.2	19.0	42	se.			4		2	se.		0.012	0.3		Dr. H. Möhl.
Frankfort-on-the-Main	29.33	745.0	29.68	753.9	66.0	18.9	35	ese.			1		0			0	0		Physical Society.
Friedrichshafen	28.20	717.8	29.64	752.8	61.9	16.6	52	sw.			1		1	w.		0	0		Wilhelm, Chief Tel.
Hamburg	29.77	756 1	29.86	758 4	55.0	12.8	58	ese.			3		0			0	0	misty	E. Preller.
Kiel	29.84	758.0	29.86	758 4	52.2	11.2	57	e.			2		0			0	0		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.42	747.2	29.84	757 8	59.9	15.5	52	e.			2		3			0	0		H. Leppig, Asst.
Magdeburg	29.04	752.8	29.82	757.5	60.4	15.8	55	se.			2		0			0	0		Weather Observatory.
Memel	30.14	765.6	30.19	766.8	38.7	3.7	55	wnw.			2		0					clear	Issermann.
Munich	27.90	708.7	29.74	755.5	61.9	16.7	39	e.			2		1			0	0		Central Station.
Neufahrwasser	30.10	764.5	30.13	765.2	39.0	4.2	65	e.			2		0			0	0		A. Lothes.
Neustadt, Palatinate	29.15	740.3	29.67	753 5	67.1	19.5	39	sse.			3		0			0	0		Prof. Dicknether.
Stuttgart	28.72	729.6	29.59	751.6	63.9	17.7	47	e.			4		2	w.		0	0		Prof. Dr. Schoder.
Wustrow	29.91	759 8	29.94	760.4	49.6	9.8	53	ese.			2		0			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.47	748.5	29.85	758.3	62.6	17.0		e			2.0	2				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.75	755.0	29.80	756.8	80.7	27.1	72	wsw.	30.0	13.4			0			0	0	blue sky	
Deesa	29.30	744.3	29.77	756.1	89.0	31.7	24	sw.	19.0	8.5			10	sw.	sw.	0	0	overcast	
Bombay	29.74	755.5	29.78	756.4	82.9	28.3	65	nw.	27.0	12.1			2	ssw.		0	0	d. clouds	
Poona, Yarrowda	27.92	709.2	29.72	754.8	95.4	35.2	15	wnw.	10.0	4.5			7			0	0	d. clouds	
Bellary	29.56	750.9	29.84	757.8	95.3	35.2	33	nne.	0.3	0.1			6	nne.	nne.	0	0	d. clouds	
Trichinopoly	28.28	718.2	29.69	754 1	98.2	30.8	21	e.	6.0	2.7			1			0	0	blue sky	
Belgaum	27.25	692.2	29.74	755.5	84.2	28.9	65	wsw.	7.0	3.1			3	n.	e.	0.11	2.8	d. clouds	
Lahore	28.93	734.9	29.66	753.4	88.1	31.2	29	ne.	2.0	0.9			6			0	0	d. clouds	
Roorkee	28.78	731.0	29.65	753.1	92.7	33.7	16	W.	2.0	0.9			6	W.		0	0	d. clouds	

STATIONS.	Barometer: Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind: Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0-10	Clouds: Amount and kind. Upper. 0-10	Lower. 0-10	Direction. Upper. From.	Lower. From	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
INDIAN.—Continued.																			
Agra	29.15	740.5	29.70	754.3	95.1	35.1	21	w.	2.0	0.9			9		w.	0	0	d. clouds	
Nagpur	28.68	728.4	29.68	753 9	98.0	36.7	17	n.	12.0	5.4			2	w		0	0	d. clouds	
Jubbulpore	28.41	721.6	29.73	755.0	94.7	34.8	13	nw.	6.0	2.7			9		nw.	0	0	d. clouds	
Lucknow	29.30	744.1	29.66	753.3	97.0	36.1	21	wnw.	14.0	6.3			0			0	0	misty	
Allahabad	29.38	746.3	29.68	753.9	95.7	35.4	18	w.					8			0	0	misty	
Patna	29.45	748.1	29.63	752.6	97.3	36.3	12	w.	9.8	4.4			2	w.	w.	0	0		
Hazaribagh	27.72	704.1	29.68	753.9	89.7	32.1	20	nw.	14.0	6.3			4	nw.		0	0	d. clouds	
Cuttack	29.64	752.9	29.72	755.0	90.4	32.4	29	wnw.	13.0	5.8			0			0	0	blue sky	
Calcutta, Alipore	29.67	753.6	29.69	754.1	92.8	33.8	45	e.	8.0	3.6			3	w.	w.	0	0	d. clouds	
Chittagong	29.70	754.5	29.80	756.8	80.9	27.2	79	s.	9.5	4.2			2		s.	0	0	d. clouds	
Sibsagar	29.43	747.5	29.77	756.2	70.9	21.6	84	ne.	2.0	0.9			2			0	0	blue sky	
Jeypore	28.29	718.6	29.09	754.2	94.7	34.8	13	wsw.	10.5	4.7			5	sw.		0	0	d. clouds	
Zanzibar	29 82	757.4			83.7	28.7	70	ssw.	4.5	2.0			7	ese.	ene.			d. clouds	
ITALIAN.																			
Udine	29.43	747.4	29.83	757 7	64.8	18.2	49	se.	1.3	0.6			1			0	0		Prof. Giovanni Clodig.
Milan	29.32	744.6	29.83	757.6	63.3	17.4	49	nw.	4.9	2.2			8	sw.		0	0		Prof. G.V.Schiapparelli
Padua	29.71	754.5	29.81	757 2	64.0	18.1	44	w.	5.6	2.5			4	e.		0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.89	733.8	29.79	756 6	58.3	14.6	60	nw.	4.9	2.2			9	se.		1.055	26.8		Prof. F. F. Denza.
Genoa	29.69	754.1	29.88	759.0	60.8	16.0	72	se.	6.9	3.1			10			0	0		Prof. G. M. Garibaldi.
Pesaro	29.79	756.6	29.84	757.8	62.2	16.8	57	e.	7.4	3.3			4	wsw.		0	0		Prof. Luigi Guidi.
Florence	29.59	751.6	29.84	758.0	64.0	17.8	51	sw.			2		7			0	0		Prof. Costantino Pittei.
Leghorn	29.73	755.2	29.82	757.3	62.2	16.8	76	sw	2.5	1.1			4			0	0		Prof. P. Monte.
Rome	29.71	754.6	29.88	759 0	66.6	19.2	41	w.	10.5	4.7			6			0.654	16.6		Prof. P. Tacchini.
Lecce	29.62	752.3	29.87	758.6	64.4	18.0	62	ne.	6.3	2.8			4	nw.		0	0		Prof. C. de Giorgi.
Cosenza	29.02	737.2	29.91	759.7	60.8	16.0	77	wsw.	3.1	1.4			4	sw.		c	0		Prof. D. Conti.
Palermo	29.68	753.9	29.93	760.2	64.6	18.1	41	ne.	4.9	2.2			2			0	0		Prof. G. Cacciatore
Syracuse	29.84	758.0	29.89	759.1	69.1	20.6	60	ne.	3.1	1.4			8	wnw.		0	0		Sig. V. Giulio.
Sub-series.																			
Naples, Astron'l Obs'y	29.42	747.3			60.8	16.0	69	wsw.	3.8	1.7			4	nc.		0	0		Prof. F. Brioschi.
Stelvio	21.95	557.4			32.0	0.0	68	sw.			4		10			0	0	misty	Prof. P. F. Denza.
Valdobbia	21.99	558.5			31.6	— 0.2	85	wsw.			6		10			1.181	30.0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.15	765.9	30.18	766.8	43.0	6.1	84	sw.			6		9k;ks		w.	0	0	cloudy	H. Hattori.
Awomori	30.04	763.0	30.08	764.0	40.0	4.4	69	sw.	13.0	5.8		0	6ck;ks		w.	0.025	0.6	cloudy	K. Ogawa.
Hakodate	30.03	762.8	30.04	763.1	39.5	4.2	79	calm	0	0		0	8 ks		nw.	0	0	cloudy	Y. Souma.
Hamamatsu	30.22	767.6	30.32	770 1	41.0	6.7	71	w.			2	5 cs	0	w.		0	0	fair	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.30	769.6	30.31	769.9	42.9	6.1	84	n.	1.9	0.8		0	0			0	0	clear	Y. Okamoto.
Kagoshima	30.29	769.3	30.30	769.6	50.9	10.5	81	sse.			2	0	8 s		s.	0	0	cloudy	
Kanazawa	30.19	766.9	30.30	769.6	43.0	6.1	69	s.	3.0	1.3			10 s			0	0	covered	S. Endo.
Kioto	30.15	765.8	30.32	770.2	39.7	4.3	83	n.	2.1	0.9		8 cs	0			0	0	cloudy	M. Tojima.
Kochi	30.32	770.1	30.34	770.6	46.1	7 8	79	ne.	2.1	0.9		8c;cs	0			0	0	cloudy	K. Kusunose
Masaka	30.30	769.6	30.33	770.3	46.3	7.9	89	ese.			2	1 cs	1 s	w.	w.	0	0	fair	K. Masusaki & T. Ishiain.
Miyako	30.01	762.3	30.12	765.1	42.5	5.8	69	sw.	3.4	1.5		2ck;c	2 s	nw.	nw.	0	0	fair	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	30.06	763.5	30.27	768.8	49.8	9.9	74	e.	1.8	0.8		8 c	0			0	0	fair	
Nemuro	29.91	759.7	29.96	761.0	27.4	— 2.6	64	nnw.	18.0	8.0		1 c	0			0	0	clear	A. Shibuya.
Niigata	30.25	768.3	30.29	769.3	41.4	5.2	65	sw.	5.9	2.6		2 cs	1 ks	w.	w.	0	0	fair	Satoo & Tomikawa.
Nobiru	30.20	767.0	30.21	767.4	41.0	5.5	65	w.	12.4	5.5		0	0			0	0	clear	Yoshino & Midzushima.
Numadzu	30.28	769.1	30.32	770.0	43.3	6.3	73	e			2	10 c	0			0	0	cloudy	T. Ohgi.
Osaka	30.31	769.8	30.32	770.2	41.0	5.0	84	se.	2.5	1.1		2 cs	1 s			0	0	clear	H. Omura.
Saga	30.25	768 4	30.28	769.0	46.0	7.8	86	ssw.	0.7	0.3			9s;ks		sw.	0	0	cloudy	A. Matsuhayashi.
Sakai	29.26	768.6	30.27	768.8	47.0	8.3	85	sw.			2	10 c	0	nw.		0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	29.95	760.8	30.02	762.5	30.0	— 1.1	83	calm	0	0			10 n			0.045	1.1	covered	S. Kimura.
Shimonoseki	30.15	765.7	30.29	769.4	47.1	8.4	68	ese.			1	cs	8 s			0	0	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	30.22	767.7	30.30	769.7	46.5	8.1	66						10 s			0	0	covered	The Staff.
Wakayama	30.26	768 6	30.32	770.1	42.3	5.7	74	ne.	5.3	2.4		2 ck	0	w.		0	0	fair	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.74	755.4	29.92	760.0	80.4	26.9	67	se.	18.0	8.0		1 c	2 kn		ese.	0.16	4.1	fair	The Staff.
MEXICAN.																			
Leon	24.34	618.2	30.07	763.8	54.0	12.2	67	nnw.	0.9	0.4		2 c	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.72	754 9	29.98	761.5	66.0	18.9	84	nw.	5.3	2.3		10 cs	0	sw.		0	0	foggy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.61	752 0	29.61	752.0	61.2	16.2		se.			4					0	0		
Groningen	29.07	753.5	29.72	754.9	61.5	16.4		se.			2					0.004	0.1		
Helder	29.07	753.7	29.07	753.7	58.6	14.8		ese.			2					0	0		
Helle voetsluis	29.04	752.9	29.04	752.9	60.4	15.8	49	ese.			3					0	0		
Utrecht	29.02	752.3	29.07	753.5	67.0	19.9	29	sse.			4		3			0	0	lightly cld'y	H. van der Brink.
Sub-series.																			
Batavia, Java	29.84	757.8			81.1	27.3	86	nne.	0	0			8			0	0		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.73	755.1	29.79	756.7	57.2	14.0	59	s.	20	9			2			0	0		
Brono	29.66	753.4	29.70	754.4	39.4	4.1	82	n.			6		8			0.291	7.4		
Christiania	29.80	757.0	29.95	760.8	45.7	7.6	61	ssw.	20	9			4			0	0		
Gjesvær	29.54	750.4	29.87	751.0	29.8	— 1.2		e.			4		8			0	0		
PORTUGUESE.																			
Funchal, Madeira	29.93	760.3	30.02	762.6	64.8	18.2	75	w.	9.8	4.4			4	w.		0.039	1.0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.45	748.1	29.79	756.6	55.8	13.2	65	sw.	23.7	10.6			7	nw		0.150	3.8		The Staff.
Ponta Delgada, Azores	29.07	753.7	29.74	755.5	60.8	16.0	93	wsw.	12.5	5.6			10			0.642	16.3	raining	
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	30.05	763.3	30.09	764.2	68.0	20.0	65	ne.			3		1			0	0		
San Salvador, Congo																			
Serra da Estrella	24.94	633.5	29.78	756.4	32.5	0.3	98	sw.	21.0	9.4			10			0.272	6.9	snow & fog	
RUSSIAN.																			
Akmolinski	28.97	735.8	30.12	765.0	20.7	— 6.3	84	e.	16	7		0	7 k			0	0		Major A. Lasarew.
Archangel	29.82	757.3	29.84	757.8	30.4	— 0.9	74	ssw.	13	6			10			0	0		Capt. Ssellwerstow
Ashurada	29.37	745.9	29.27	743.5	85.1	29.5	31	nw.	2	1			9 k			0	0	h'vy clouds	
Astrakhan	29.58	751.4	29.51	749.5	39.0	3.9	85	e.	29	13			10			0.122	3.1		Capt. Wisganow.
Baku	29.40	748.3	29.41	747.1	48.4	9.1	81	n.	31	14			9 ks						
Barnaul	29.97	761.1	30.51	775.0	17.2	— 8.2	65	nne.	4	2			0			0	0		Meteorological Office.
Bielosersk	29.62	752 3	30.11	764.7	31.6	— 0.2	57	calm	0	0		4 cs	0			0	0	solar halo	
Dorpat	29.90	759.4	30.15	765.8	37.0	2.8	48	wsw.	4	2		3 c	0			0	0		Rosenthal.
Ekaterinburg	29.21	741.8	30.23	767.8	25.3	— 3.7	58	ese.	13	6			10			0	0		Geological Obs'y.
Elissawetgrad	29.35	745.5	29.82	757.4	33.8	1.0	65	w.	4	2		0	0 kn			inap.	inap.		
Kasalinsk	29.04	752.9	29.82	757.4	35.8	2.1	93	nne.	7	3									Butkewitsch.
Kasan	29.74	755.5	30.02	762.6	35.2	1.8	69	ene.	2	1			10			0	0		
Kem	29.68	753.9	29.73	755 2	28.9	— 1.7	82	sw.	31	14			10 n			0	0		
Kertch	29.76	756.0	29.79	756 6	37.6	3.1	53	n.	4	2		3 c	0			0	0		Lagorio & Sastyrez.
Kieff	29.11	739.5	29.77	756 1	29.5	— 1.4	84	n.	33	6			10 n			0.114	2.9	snowing	Observatory.
Koslov	29.28	743.7	29.80	756.9	32.9	0.5	98	ene.	7	3			10 s			0.331	8.4	snowing	
Lgov	29.24	742.6	29.84	758.0	32.7	0.4	73	sse.	9	4			9			0.055	1.4		R. I. Ssaweljew, Ensin't.
Libau	30.15	765.7	30.17	766.3	37.2	2.9	57	wsw.	7	3			0			0	0		[illegible]
Lougan	29.53	750.0	29.74	755.4	33.1	0.6	61	nnw.	13	6			9			0	0	light clouds	Meteorological Obs'y.
Moscow	29.44	747.8	29.94	760.5	31.3	— 0.4	74	ene.	9	4			10 s			0.024	0.6		Meteorological Obs'y
Nertschinsk	27.42	696.5	29.75	755.7	33.1	0.6	41	se.	13	6			10			0.047	1.2		
Nikolaiev	29.75	755.6	29.82	757.4	39.9	4.4	43	calm	0	0		0	4 kn			0.028	0.7		Capt. Kurdakow.

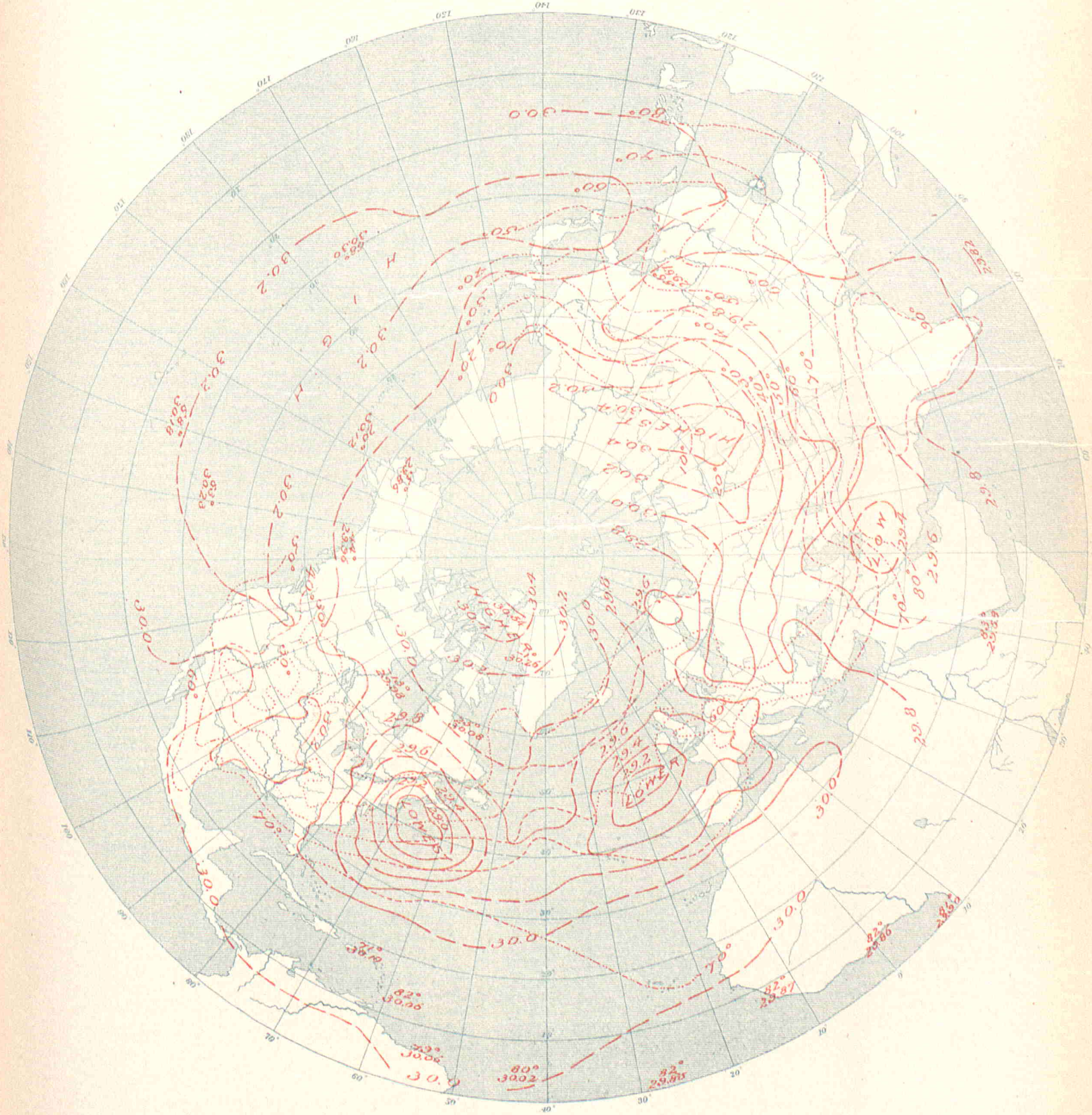
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.94	760.4	30.02	762.6	6.3	—14.3	83	nw.	4	2	.....	7 ck	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.53	750.0	29.67	753.6	56.1	13.4	58	e.	2	1	.....	0	3 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.42	747.3	29.76	755.8	76.3	24.6	21	se.	1.1	0.5	.....	3 cs	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.80	756.9	30.00	762.1	34.0	1.1	44	sw.	22	10	.....	.....	10	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.45	748.0	29.96	761.0	36.3	2.4	47	n.	27	12	.....	0	7 ks	.....	.....	0	0	.....	.....
Poti	29.71	754.7	29.74	755.5	41.9	5.5	94	sw.	13	6	.....	.....	10 n	.....	.....	0.894	22.7	raining	.....
St. Petersburg	30.08	764.0	30.10	764.6	36.0	2.2	41	wsw.	7	3	.....	0	7	.....	.....	0	0	light clouds	Central Physical Obs'y.
Samarkand	27.38	695.5	29.78	756.3	66.6	19.2	53	calm	0	0	.....	3 ck	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.64	752.8	30.36	771.2	11.7	—11.3	82	ne.	9	4	.....	.....	5	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.58	751.4	29.80	757.0	42.6	5.9	65	nw.	16	7	.....	.....	9 n	.....	.....	0.331	8.4	.....	.....
Staroi Bykhov	29.32	744.7	29.90	759.4	31.8	— 0.1	65	ne.	20	9	.....	.....	10	.....	.....	0.021	0.6	light snow	Carl Hagen.
Tashkend, Laboratory	28.25	717 6	29.89	759 1	63.0	17.2	65	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Terch, A. at
Tiflis	28.13	714.5	29.57	751.0	39.2	4.0	74	wnw.	20	9	.....	.....	10	.....	.....	0.331	8.4	raining	Physical Observatory
Vernoe	27.25	692.1	29.69	754.0	61.2	16.2	37	sw.	4	2	.....	4 c	0	.....	.....	.....	.....	.....	Larionow.
Viatka	29.42	747.2	30.07	763.8	34.5	1.4	54	se.	2	1	.....	.....	1	.....	.....	0	0	.....	
Vladivostock	29.94	760.4	30.00	762.1	36.1	2.3	72	nne.	40	18	.....	.....	5 k	.....	.....	0	0	.....	
Warsaw	29.65	753.2	30.09	764.3	38.8	3.8	41	ne.	9	4	.....	0	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.24	768.0	30.56	776.1	10.0	—12.2	57	w.	2	1	.....	.....	6	.....	.....	blank	blank	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.30	744.2	29.84	757.9	30.2	— 1.0	71	ene.	24.8	11.1	.....	.....	10	.....	e.	blank	blank	cloudy	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.58	751.2	29.69	754.0	59.2	15.1	71	wnw.	.....	.....	.....	3 ck	0	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.59	751.6	29.65	753.1	61.5	16.4	46	w.	3.8	1.7	.....	3	4	w.	.....	0.535	13.6	cloudy	Angel de Uralde.
Burgos, Met. Obs'y	26.76	679 7	29.76	755.9	44.1	6.7	75	sw.	15.4	6.9	.....	.....	9	.....	.....	0.492	12.5	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.61	701.2	29.85	758.1	50.4	10.2	67	sw.	19.7	8.8	.....	0	6	.....	.....	0.634	16.1	cloudy	The Staff.
Murcia, Met. Obs'y	29.71	754.6	29.84	757.9	66.2	19.0	58	s.	4.5	2.0	.....	1	2	w.	.....	0.043	1.1	raining	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.63	727.3	29.53	750.0	47.1	8.4	87	s.	9.8	4.4	.....	.....	10	.....	.....	0.504	12.8	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.01	762.2	30.08	763.9	71.4	21.9	87	sse.	4.0	1.8	.....	cs	8	w.	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.92	759 9	29.98	761.4	79.8	26.6	67	e.	11.0	4.9	.....	0	1 ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.89	759 2	29.99	761.7	60.3	15.7	65	wsw.	8.2	3.7	.....	0	5	.....	sw.	0.243	6.2	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	30.01	762.3	30.10	764 6	71.2	21.8	85	calm	0	0	.....	2 s	1 k	.....	.....	0	0	clear	Enrique Gaden, Chf Eng
SWEDISH.																			
Haparanda	29.52	749.8	29.56	750.8	37.8	3.2	93	s.	.....	.....	4	.....	8	.....	.....	0	0	.....	
Umea	29.67	753.5	29.72	754 8	38.5	3.6	90	s.	.....	.....	2	.....	8	.....	.....	0	0	.....	
Hernosand	29.66	753.3	29.71	754.6	46.4	8.0	59	calm	.....	.....	0	.....	9	.....	.....	0	0	.....	
Stockholm	29.81	757.1	29.98	761.6	46.4	8.0	52	sw.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Wisby	30.03	762.8	30.09	764.3	42.4	5.8	52	wsw.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.85	758.1	29.93	760 3	45.1	7.3	50	sw.	18.1	8.1	.....	.....	1	.....	.....	0	0	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.26	717.8	29.68	753.8	58.1	14.5	53	n.	.....	.....	1	.....	9	.....	.....	0	0	covered	The Observatory.
TURKISH.																			
Constantinople	.....	.....	29.81	757.2	50.4	10.2	50	sw.	2	1.0	.....	.....	4	.....	n.	0.142	3.6	.....	The Observatory.
Valona	.....	.....	29.97?	761.1?	65.3	18.5	.....	w.	.....	.....	2	.....	2	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.63	752.6	64.9	18.3	75	sw.	.....	.....	2	c	5 n	.....	nw.	0.66	16.8	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.14	740.1	29.22	742.2	37	2.8	78	nw.	6	2.7	.....	.....	10 n	.....	.....	0.94	23.9	light snow	J. O. Barnes.
Alpena, Michigan	29.13	739.9	29.82	757.4	29.8	— 1.2	77	nw.	15	6.7	.....	0	0	.....	.....	0	0	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24 94	633 5	29.86	758.4	33.5	0.8	84	e.	1	0.4	.....	0	4 s	.....	.....	0	0	fair	J. B. Turton.
Assinnaboine, Ft., Montan	27.26	692.4	30.17	766.3	36.4	2.4	73	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. J. O'Connor.
Atlanta, Georgia	28.86	733.3	30.05	763.3	39.0	3.9	54	nw.	17	7.6	.....	6 cs	0	nw.	.....	0	0	fair	S. W. Beall.
Atlantic City, New Jersey	29.33	745.0	29.34	745.2	38.0	3.3	73	w.	16	7.2	.....	0	8 k	.....	w.	1.20	30.5	cloudy	B. A. Blundon.
Augusta, Georgia	29.82	757.4	30.01	762.2	48.5	9.2	43	w.	6	2.7	.....	10 c	0	w.	.....	0	0	cloudy	W. J. Evans.
Baltimore, Maryland	29.50	749 3	29.55	750.6	40.0	4.4	52	nw.	16	7.2	.....	0	8 k; s	.....	nw.	0.18	4.6	cloudy	Geo. W. Feiger.
Barnegat City, New Jersey	29.29	744.0	29.31	744.5	37.3	2.9	78	nw.	33	14.8	.....	.....	10 s	.....	nw.	0.31	7.9	cloudy	J. P. Sherry.
Bennett, Fort, Dakota	28.56	725.4	30.20	767.1	30.0	— 1.1	88	calm	0	0	.....	0	0	.....	.....	fnap.	fnap.	clear	A. Pritchard.
Benton, Fort, Montana	27.33	694.2	30.19	766 8	32.5	0.3	76	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. S. Bennett.
Bismarck, Dakota	28.25	717 5	30.13	765 3	32.0	0.0	85	calm	0	0	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.02	737.1	29.05	737.9	33.4	0.8	95	nw.	24	10.7	.....	.....	10 n	.....	.....	1.77	45.0	light snow	J. T. Elker.
Boise City, Idaho	27.25	692.1	30.09	764.3	44.0	6.7	66	sw.	3	1.3	.....	1 cs	0	.....	.....	0	0	clear	James Kenealy.
Boston, Massachusetts	28.78	731.0	28.94	735.1	32.8	0.4	100	nw.	16	7.2	.....	.....	10 n	.....	.....	1.01	25.7	heavy snow	O. B. Cole.
Brownsville, Texas	30.06	763.5	30.12	765 0	60.3	15.7	70	n.	8	3.6	.....	.....	10 s	.....	e.	0	0	cloudy	John McGlone.
Buffalo, New York	28.86	733 0	29.63	752.6	29.7	— 1.3	80	nw.	10	4.5	.....	.....	10 s	.....	nw.	0.14	3.6	cloudy	D. Outhbertson.
Buford, Fort, Dakota	28.02	711.7	30.12	765.0	30.3	— 0.9	88	calm	0	0	.....	0	0	.....	.....	fnap.	fnap.	clear	A. Schneider.
Cairo, Illinois	29.81	757.2	30.22	767.6	42.0	5.6	69	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.75?	755.6?	29.95?	760.7?	45.9	7.7	83	s.	23	10.3	.....	.....	10 k	.....	.....	0.82	20.8	cloudy	J. H. Young.
Cape Henry, Virginia	29.56	750.8	29.58	751.3	42.5	5.8	59	nw.	28	12.5	.....	0	7 s	.....	.....	0.39	9.9	fair	A. K. Alderson.
Cape May, New Jersey	29.39	746.5	29.42	747.3	40.0	4.4	73	w.	52	23.2	.....	.....	10 s	.....	w.	0.19	4.8	cloudy	W. E. Smith.
Cape Mendocino, California	29.53	750.0	30.22	767.6	43.4	6.3	91	nw.	9	4.0	.....	0	7 s	.....	nw.	0.02	0.5	fair	A. P. Leavitt.
Cedar Keys, Florida	30.02	762.5	30.04	763.0	57.4	14.1	49	n.	19	8.5	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.85	758.2	29.91	759.7	47.5	8.6	52	nw.	15	6.7	.....	9 c	0	nw.	.....	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.00	736.6	29.86	758.4	42.5	5.8	47	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.30	744.2	30.13	765 3	38.5	3.6	67	n.	12	5.4	.....	3 cs	0	w.	.....	0	0	clear	B. L. Gouldins.
Cheyenne, Wyoming	24.05	610 9	30.07	763.8	22.1	— 5.5	76	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.33	745.0	30.06	763.5	33.5	0.8	67	nw.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	T. B. Jennings.
Chincoteague, Virginia	29.50	749.3	29.52	749.8	40.4	4.7	64	nw.	38	17.0	.....	.....	10 ks	.....	nw.	0.25	6.3	cloudy	C. F. Dickens
Cincinnati, Ohio	29.36	745.7	30.03	762.7	35.3	1.8	66	nw.	8	3.6	.....	0	0	.....	.....	0.07	1.8	clear	L. Dunne.
Cleveland, Ohio	29.06	738.1	29.82	757.4	31.2	— 0.4	78	n.	17	7.6	.....	0	9 s	.....	n.	0.66	16.8	cloudy	W. Line.
Columbus, Ohio	29.05	737.9	29.92	760.0	31.2	— 0.4	68	w.	14	6.3	.....	0	0	.....	.....	0.03	0.8	clear	F. T. Williams
Concho, Fort, Texas	28.29	718.6	30.23	767.8	44.9	7.2	93	ne.	5	2.2	.....	.....	10 s	.....	ne.	0.16	4.1	cloudy	C. E. King.
Custer, Fort, Montana	26.91	683.5	30.09	764.3	32.2	0.1	88	se.	7	3.1	.....	0	0	.....	.....	0	0	clear	W. J. Daily.
Davenport, Iowa	29.44	747.8	30.11	764.8	36.9	2.7	72	nw.	5	2 2	.....	0	hz.	.....	.....	0	0	clear	R. R. Martin.
Davis, Fort, Texas	25.25	641.3	30.03	762.7	39.8	4.3	96	sw.	4	1.8	.....	.....	10 s	.....	sw.	1.22	31.0	cloudy	J. Williams
Dayton, Washington T'y	28.44	722.4	30.20	767.1	41.2	5.1	82	sw.	6	2.7	.....	.....	10 s	.....	sw.	0.02	0.5	cloudy	H. S. Blandford.
Deadwood, Dakota	25.45	646 4	30.14	765.5	30.0	— 1.1	80	e.	4	1.8	.....	0	0	.....	.....	fnap.	fnap.	clear	G. Kingsbury.
Delaware Breakwater, De.	29.42	747.3	29.44	747.8	40.0	4.4	65	nw.	32	14.3	.....	3 k	4 ks	W.	.....	0.08	2.0	fair	G. A. Martin.
Denver, Colorado	24.79	629.7	30.06	763.5	34.0	1.1	78	nw.	1	0.4	.....	2 c	0	.....	.....	fnap.	fnap.	clear	F. M. Neal.
Des Moines, Iowa	29.28	743.7	30.20	767.1	35.2	1.8	75	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	F. W. Conrad.
Detroit, Michigan	29.13	739.9	29.86	758.4	31.1	— 0.5	78	nw.	11	4.9	.....	0	0	.....	.....	0.09	2.3	clear	N. B. Conger.
Dodge City, Kansas	27.60	701.0	30.24	768.1	33 2	0.7	68	n.	1	0.4	.....	0	0	.....	.....	0	0	clear	J. E. Lanouette.
Dubuque, Iowa	29.39	746.5	30.12	765.0	35	1.7	76	calm	0	0	.....	0	fg.	.....	.....	0	0	clear	A. W. Browne.
Duluth, Minnesota	29.26	743.2	30.03	762.7	38.3	3.5	89	nw.	16	7.2	.....	0	4 s	.....	nw.	0	0	fair	E. R. Brace.
Eastport, Maine	28.91	734.3	28.98	736.1	34.8	1.6	100	ne.	46	20.6	.....	.....	10 n	.....	ne.	0.67	17.0	light rain	D. C. Murphy.
Elliott, Fort, Texas	27.43	696.7	30.21	767.3	37	2.8	72	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.25	666.7	29.99	761.7	48.0	8.9	88	se.	7	3.1	.....	.....	10 s	.....	.....	0.24	6.1	cloudy	F. Belford.
Erie, Pennsylvania	28.98	736.1	29.73	755.1	32.0	0.0	88	nw.	18	8.0	.....	.....	10 n	.....	.....	0.30	7.6	light snow	P. Wood.
Escanaba, Michigan	29.26	743.2	29.95	760.7	29.0	— 1.7	77	w.	7	3.1	.....	6 ck	0	nw.	.....	fnap.	fnap.	fair	L. M. Pindell.
Fort Smith, Arkansas	29.77	756.1	30.25	768.3	40.2	4.6	82	calm	0	0	.....	3 cs	0	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.15	765.8	30.19	766.8	56.7	13.7	60	ne.	18	8.0	.....	3 ck	7 s	w.	ne.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.31	744.5	30.00	762.0	35.5	1.9	69	w.	13	5.8	.....	0	0	.....	.....	0.05	1.3	clear	Joseph E. Mueller.
Grant, Fort, Arizona	25.16	639.1	29.89	759.2	44.7	7.1	55	e.	4	1.8	.....	4 ck	0	sw.	.....	0	0	fair	Chas. A. Read.
Hatteras, North Carolina	29.63	752.6	29.64	752.8	46.3	7.9	53	nw.	34	15.2	.....	0	3 k	.....	nw.	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. c=10	Clouds. Amount and kind. Upper. c=10	Clouds. Amount and kind. Lower. c=10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.95	659.1	30.16	766.1	34.5	1.4	69	e.	4	1.8		0	0			0	0	clear.	S. W. Morrison.
Huron, Dakota	28.82	732.0	30.27	768.8	29.5	— 1.4	81	s.	5	2.2		0	0			0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.22	742.2	30.04	763.0	33.0	0.6	54	nw.	4	1.8		0	0			0.04	1.0	clear	C. F. R. Wappenhans.
Indianola, Texas	30.14	765.5	30.17	766.3	57.2	14.0	66	ne.	27	12.1			10 s		sw.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	29.98	761.5	30.02	762.5	54.5	12.5	48	nw.	12	5 4		0	0			0	0	clear	J. W. Smith.
Keokuk, Iowa	29.51	749.5	30.18	766.6	36.0	2.2	79	calm	0	0		0	0			0	0	clear	F. Z. Gosewisch.
Key West, Florida																			J. Harvey Smith.
Kittyhawk, North Carolina	29.59	751.6	29.61	752.1	43.8	6.6	67	nw.	28	12.5		0	1 k		nw.	0.09	2.3	clear	Wesley Blake.
Knoxville, Tennessee	29.05	737.9	30.09	764.3	37.2	2.9	51	nw.	4	1.8		0	0			inap.	inap.	clear	J. A. Cody.
La Crosse, Wisconsin	29.28	743.7	30.08	764.0	36.3	2.4	69	sw.	4	1.8		0	0			0	0	clear	S. C. Emery.
Leavenworth, Kansas	29.36	745.7	30.27	768.8	35	1.7	79	calm	0	0		0	0			0	0	clear	C. Dill.
Lewiston, Idaho	29.38	746.2	30.23	767.8	50.2	10.1	76	ne.	1	0.4			10 s			0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.94	760.5	30.26	768.6	44.9	7.2	65	n.	2	0.9		3 c	0			0	0	clear	W. U. Simons.
Los Angeles, California	29.67	753.6	30.07	763.8	47.5	8.6	86	e.	5	2.2		0	5 s			0	0	fair	T. S. Collins
Louisville, Kentucky	29.50	749.3	30.07	763.8	40.3	4.6	63	w	6	2.7		0	sk.			0,01	0.3	clear	E. B. Garriott.
Lynchburg, Virginia	29.02	737.1	29.73	755.1	41.5	5.3	57	nw.	14	6.3		0	9 k		nw.	0.05	1.3	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.22	742.2	29.90	759.4	26.8	— 2.9	72	w.	12	5.4		0	0			0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.71	754.6	29.72	754.9	44.1	6.7	48	nw.	31	13.9		hz.	0			0	0	clear	William Daly.
Maginnis, Fort, Montana	25.69	652.5	30.19	766.8	33.7	0.9	46	w.	4	1.8		0	0			0	0	clear	F. Burke.
Marquette, Michigan	29.20	741.7	29.95	760.7	34.0	1.1	76	nw.	8	3.6			10 s		nw.	0	0	cloudy	J. Gilligan.
Memphis, Tennessee	29.87	758.7	30.21	767.3	46.5	8.1	58	nw.	2	0.9		0	0			0	0	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.27	743.4	30.04	763.0	32.7	0.4	69	w.	11	4.9		1 ck	0	nw.		0.03	0.8	clear	S. W. Rhode.
Mobile, Alabama	30.12	765.0	30.16	766.1	52.4	11.3	49	n.	11	4.9		7 c	0	nw.		0	0	fair	H. U. Jones.
Montgomery, Alabama	29.93	760 2	30.16	766.1	45.0	7.2	51	nw.	9	4.0		0	0			0	0	clear	S. M. Leitzell.
Moorhead, Minnesota	29.07	738.4	30.10	764.5	31	— 0.6	88	sw.	3	1.3		0	0			0	0	clear	L. M. Dey.
Mt. Washington, N. H.	22.82	579 6	29.23	742.4	19.5	— 6.9	93	e.	44	19.7			10 n		e.	0.37	9.4	heavy snow	E. A. Beals.
Nashville, Tennessee	29.56	750.8	30.14	765.5	39.3	4.1	79	w.	7	3.1		0	0			0.01	0.3	clear	L. N. Jesunofsky.
New Haven, Connecticut	29.04	737.6	29.16	740.7	34.5	1.4	75	nw.	20	8.9			10 n		nw.	0.39	9.9	light snow	J. H. Sherman.
New London, Connecticut	29.06	738.1	29.11	739.4	34.0	1.1	100	w.	10	4.5			10 n		w.	0.96	24.4	light snow	J. G. Lynch.
New Orleans, Louisiana	30.08	764.0	30.14	765.5	55.7	13.2	53	ne.	11	4.9		0	0			0	0	clear	M. Herman.
New York, New York	29.08	738.6	29.26	743.2	37	2.8	74	nw.	21	9.4			10 ks		nw.	0.78	19.8	clearing	W. Finn.
Norfolk, Virginia	29.56	750 8	29.59	751.6	44.8	7.1	49	nw.	16	7.2		3 ck	0	nw.		0.13	3.3	clear	Wm. Davis.
North Platte, Nebraska	27.21	691.1	30.17	766.3	32.1	0.	76	calm	0	0		0	0			inap.	inap.	clear	E. F. Brady.
Olympia, Washington Ter	30.07	763.8	30.11	764.8	44.0	6.7	93	sw.	1	0.4		4 k	0	s.		0.35	8.9	fair	J. Dascomb
Omaha, Nebraska	29.05	737.9	30.26	768.6	34.6	1.4	82	calm	0	0		0	0			0	0	clear	A. Pollak
Oswego, New York	29.14	740.1	29.48	748.8	30.5	— 0.8	85	nw.	14	6.3			10 n		nw.	0.15	3.8	light snow	J. G. Linsley.
Palestine, Texas	29.67	753.6	30.23	767.8	49.3	9.6	69	ne.	5	2.2			10 s		ne.	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	30.11	764.8	30.14	765.5	51.7	10.9	47	n.	9	4.0		5 c	0	w.		0	0	fair	M. McGauran.
Philadelphia, Pa.	29.27	743.4	29.40	746.7	39.0	3.9	73	nw.	19	8.5			10 k		nw.	0.67	17.0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.64	448.0	29.92	760.0	0.0	—17.8	89	w.	14	6.3		0	8 ks		w.	0.05	1.3	cloudy	H. Hall.
Pittsburg, Pennsylvania	28.94	735.1	29.77	756.1	33.1	0.6	75	w.	12	5.4		0	9 s		nw.	0.12	3.0	clearing	O. D. Stewart.
Poplar River, Montana					31.7	— 0.2	86					4 c	1 s			0	0	fair	Geo. A. Carden.
Port Huron, Michigan	29.07	738 4	29.77	756.1	28.2	— 2.1	88	nw.	14	6.3		5 ck	0	n.		0.03	0.8	fair	M. H. Perry
Portland, Maine	28.86	733 0	28.91	734.3	35.9	2.2	86	n.	21	9.4			10 n		n.	0.22	5.6	heavy snow	W. W. Eichelberger.
Portland, Oregon	30.01	763.0	30.11	764.8	47.0	8.3	77	s.	12	5.4			10 s			0.42	10.7	cloudy	M. L. Hearne.
Prescott, Arizona	24.67	626.6	29.94	760.5	29.0	— 1.7	86	ne.	1	0.4		0	0			0	0	clear	J. Grover.
Provincetown, Mass																			O. N. Kitchel.
Red Bluff, California	29.80	756.9	30.16	766.1	45.5	7.5	73	n.	11	4.9		0	0			0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.98	761.5	30.22	767.6	61.4	16.3	47	ne.	12	5.4		9 cs	0	w.		0	0	cloudy	L. G. Schultz.
Rochester, N. Y.	28.87	733.3	29.56	750.8	28.5	— 1.9	100	nw.	18	8.0			10 n			0.50	12.7	light snow	E. W. McGann.
Roseburg, Oregon	29.68	753.9	30.24	768.1	42.4	5.8	78	calm	0	0		0	9 s		sw.	0.11	2.8	cloudy	J. J. Nanry.
Sacramento, California	30.05	763.3	30.12	765.0	52.5	11.4	91	sw.	4	1.8		0	6 s		sw.	0	0	fair	J. A. Barwick.
St. Louis, Missouri	29.53	750.0	30.16	766.1	37.3	2.9	78	w.	11	4.0		0	sk.			0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.83	757.7	29.86	758.4	4.8	—15.1	91	n	4	1.8			fg.			0.10	2.5	dense fog	Fred. H. Clarke
St. Paul, Minnesota	29.21	741.9	30.09	764.3	37.0	2.8	72	sw.	7	3.1		0	0			0	0	clear	P. F. Lyons.
St. Vincent, Minnesota	29.19	741.4	30.10	764.5	28	— 2.2	88	calm	0	0		0	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.68	652.3	30.05	763.3	39.5	4.2	46	n.	4	1.8		0	0			0	0	clear	J. Craig.
San Diego, California	29.99	761.7	30.06	763.5	53.2	11.8	91	e.	4	1.8			10 k		nw.	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.16	740.7	29 86	758 4	31	— 0.6	78	w.	24	10.7		0	0			0 42	10.7	clear	B. F. Hough.
Sandy Hook, New Jersey	29.25	742.9	29.28	743.7	38.5	3.6	89	nw.	35	15.6			10 ks		nw.	0.94	23.9	cloudy	V. P. Chappel.
Sanford, Florida	29.93	760.2	29.98	761.5	62.1	16.7	48	nw.	10	4.5		0	0			0	0	clear	J. B. Marbury
San Francisco, California	30.08	764.0	30.15	765.8	48.9	9.4	78	w.	13	5.8		0	0			inap.	inap.	clear	N. Gorom.
Savannah, Georgia	29.90	759.4	29.98	761.5	47.5	8.6	38	nw.	16	7.2		5 c	0	w.		0.04	1.0	fair	H. W. Ford.
Shaw, Fort, Montana	26.49	672.8	30.16	766.1	28	— 2.2	67	w	6	2.7		0	0			0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.98	761.5	30.22	767.6	48.5	9.2	36	ne.	8	3.6		4 c	hz.					fair	E. N. Meekins.
Sitka, Alaska	29.90	759.4	29.96	761.0	44.2	6.8	68	e.	1	0.4			10 ks		e	0.19	4.8	cloudy	F. W. Fickett.
Smithville, North Carolina	29.77	756.1	29.81	757.2	45.8	7 7	55	nw.	14	6.3		0	0			inap.	inap.	clear	O. Parker.
Spokane Falls, Wash. Ter.	28.13	714.5	30.19	766.8	43.4	6.3	96	sw.	8	3.6			10 n			0.04	1.0	light rain	D. Moore.
Springfield, Illinois	29.45	748.0	30.15	765.8	40.0	4.4	67	nw.	3	1.3		0	0			inap.	inap.	clear	W. Norrington.
Stockton, Fort, Texas	27.12	688 8	30.15	765.8	43.9	6.6	100	calm	0	0			10 n			0.13	3.3	heavy rain	J. W. Byram.
Tatoosh Id., Wash. Ter	30.00	762.0	30.09	764.3	45.5	7.5	89	e.	14	6.3		2 ck	3 k		e.	0.35	8.9	fair	R. Connor.
Thomas, Camp, Arizona	27.19	690.6	29.92	760.0	44	6.7	76	calm				0	0			0	0	clear	R. C. Lord.
Toledo, Ohio	29.13	739.9	29.84	757.9	32	0.0	61	nw.	8	3.6		0	3 s			0	0	clear	A. Buell.
Unalashka, Alaska	30.10	764.5	30.12	765.0	20	— 6.7	84	nw.	18	8.0		0	0			0.09	2.3	clear	Samuel Applegate
Vicksburg, Mississippi	29.96	761.0	30.22	767.6	47	8.3	56	e.	7	3.1			10 s		nw.	0	0	cloudy	F. W. Mixer.
Washington, D. C.	29.47	748.5	29.59	751.6	38.6	3.7	49	nw.	23	10.3		3 c	sk.	w.		0	0	clear	T. B. Harrison.
West Las Animas, Colorado	20.11	663.2	30.06	763.5	27.8	— 2.3	74	e.	7	3.1		0	2 k		nw.	0.24	6.1	clear	F. H. Brandenburg
Wilmington, N. Carolina	29.75	755 6	29.81	757 2	47.5	8.6	42	nw.	13	5.8		0	0			0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.85	732.8	30.19	766.8	32.2	0.1	84	w.	4	1.8		0	hz.			0.02	0.5	clear	E. H. Thompson.
Yuma, Arizona	29.80	756.9	29.95	760.7	52.8	11.6	68	sw	1	0.4		0	0			0	0	clear	W. S Delano.
Sub-series.																			
Behrings Island, Kamchatka	29.98	761.5	30.00	762.0	25.0	— 3.9		ne.	20	8.9			10 n			inap.	inap.	cloudy	George Cherulick.
Bluefields, Nicaragua, C. A.					82	27.8		ne.			1	0	6 k		ne.	0.04	1.0	fair	W. P. Jackson.
Bogota, U. S. C.	22.03	559.6			54.5	12.5	86	sw.	2	1		3 ck	4 k	w.	w.	0	0		Joaquin Gomez.
Ohimo, Fort, Ungava	29.93	760.2	30.08	764.0	25	— 3.9	100	ne.	17	7.6		7ck;k	3 c	e.	e.	0.10	2.5	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.			30.09	764.3	75	23.9	74	calm	0	0			0			0	0		Robert Johnston.
Paramaribo, S. A.	30.00	763.5	30.06	763.5	79	20.1	82	e.			2	4 ck	5 k	e.		0.070	1.8		Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.44	747.8	30.00	762.0	77	25.0	94	s.			1	5 ck	3 ks	s.	s.	0,01	0.3	cloudy	Francisco J. Cisneros
Rivas, Nicaragua, C. A.	29.90?	759.4?	30.06?	763.5?	76.5	24.7	84	ne.			1					0	0	clear	Earl Flint.
York Factory, B. A.	29.91	759.7	29.98	761.5	—12.5	—24.7	74	w.	11	4.9			10 n	w.	w.	0.02	0.5	snowing	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon																			P. Fasiani.
Naós, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, Jeremie, Hayti, W. I *	30.05	763.3	68	20.0	.....	ssw.	.....	.....	3-4	.....	6	.....	wsw.	o	o	sli't	nw.	fine.
S. S. Alps, Mayagues, Porto Rico, W.I*†	30.07	763.8	82	27.8	.....	ese.	.....	.....	1	.....	2	.....	se.	o	o	chop	n.	fine.
S. S. Anchoria, N. 46° 34′, W. 37° 10′	.....	.....	.....	.....	.....	ne.	.....	.....	3	.....	5	.....	ne.	o	o	sm'h	.....	fine.
S. S. Ailsa, N. 9° 50′, W. 78° 17′	.....	.....	79.8	26.6	89	nne.	.....	.....	2	.....	3	.....	ne.	o	o	light	nne.	fine.
S. S. Assyrian Monarch, N. 48° 32′, W. 20° 00′ †	29.02	737.1	.....	.....	.....	nnw.	.....	.....	4	.....	2	.....	nnw.	3 h'r	3 h'r	mod.	nw.	clear.
S. S. Bohemia, N. 52° 24′, E. 3° 10′	.....	.....	.....	.....	.....	sse.	.....	.....	5	.....	3	.....	se.	o	o	sm'h	s.	fine.
S. S. Bothnia, N. 49° 07′, W. 25° 40′	29.39	746.5	50	10.0	.....	n	.....	.....	6	.....	8	.....	n.	12 h'r	12 h'r	long	n.	squally.
Bk. C. S. Bushnell, N. 35° 43′, W 4° 38′	30.04	763.0	.....	.....	.....	wnw.	.....	.....	3	.....	1	.....	n.	o	o	sm'h	.....	clear.
S. S. Cienfuegos. N. 34° 02′, W. 76° 27′	29.75	755.6	48	8.9	.....	wnw.	.....	.....	7	.....	2	.....	nnw.	o	o	long	wnw.	clear
S. S. Canada, (Fr) N. 48° 02′, W. 29° 32′	.....	.....	44.6	7	.....	nnw.	.....	.....	6	.....	ks	.....	nnw.	.....	.....	large	n.	clear.
S. S. Denmark, N. 50° 40′, E. 0° 33′†	29.51	749.5	56	13.3	81	ssw.	.....	.....	5	.....	6	.....	calm	o	o	sm'h	.....	fair.
S. E. B. Sutton, N. 40° 00′, W. 35° 00′ *†	29.66	753.4	62	16.7	94	ssw.	.....	.....	2	.....	6	.....	.....	o	o	mod.	var.	
S. S. Elbe, N 42° 09′, W. 58° 50′	.....	.....	48.2	9.0	.....	ssw.	.....	.....	6	.....	8	.....	ssw.	4 h'r	4 h'r	r'gh	ssw.	stormy.
S. S. Eider, N. 40° 32′, W. 67° 23′*	28.99	736.4	39.2	4.0	.....	wsw.	.....	.....	6	.....	8	.....	wsw.	8 h'r	8 h'r	high	w	cloudy.
S. S. Frisia, N. 42° 19′, W. 47° 53′	29.80	756.0	47.8	8.8	.....	calm	.....	.....	0	.....	0	.....	.....	2 h'r	2 h'r	long	s.	foggy.
S. S. Fulda, N. 49° 55′, W 5° 11′	29.44	747.7	52.7	11.5	78	ese.	.....	.....	2	.....	6	.....	ese.	3 h'r	3 h'r	mod.	ssw.	fair.
S. Henry Failing N. 44° 41′, W. 23° 08′ *†	29.33	745.0	54	12.2	.....	nw.	.....	.....	7	.....	7	.....	nnw.	8 h'r	8 h'r	cross	une.	rainy.
S. S. Helvetia, N. 51° 34′, W. 8° 32′	29.39	746.5	55	12.8	93	ese.	.....	.....	5	.....	2	.....	ese.	3 h'r	3 h'r	mod.	ese.	clear.
Bk. Heinrich & Tonio, N. 40° 38′, W. 63° 10′ †	28.83	732.3	.....	.....	87	wsw.	.....	.....	5	.....	5	.....	wsw.	6 h'r	6 h'r	r'gh	wsw.	
S. S. Lord Clive, N. 41° 14′, W. 48° 10′	.....	.....	.....	.....	.....	n.	.....	.....	1	.....	6	.....	calm	o	o	sli't	e.	fine.
Bg. L. & W. Armstrong, N. 21° 33′, W. 67° 43′ *†	30.04	763.0	.....	.....	.....	sse.	.....	.....	3	.....	1	.....	s.	o	o	mod.	nnw.	fine.
S. S. Llandaff City, N. 47° 32′, W. 34° 48′	.....	.....	48	8.9	.....	n.	.....	.....	6	.....	8	.....	n.	o	o	mod.	n.	dull.
Schr. Maggie Abbott, N. 34° 19′, W. 69° 40′*†	29.40	746.7	.....	.....	.....	nw.	.....	.....	9	.....	5	.....	nw.	.....	.....	cross	.....	fair.
S. S. Madrid, N. 35° 11′, W 60° 31′†	29.29	744.0	68	20.0	100	s.	.....	.....	7	.....	10	.....	s.	4 h'r	4 h'r	r'gh	var.	rainy.
S. S. Main, N. 48° 27′, W. 26° 11′	29.43	747.5	50.0	10.0	.....	nw.	.....	.....	6	.....	4	.....	nw.	6 h'r	6 h'r	cross	nw.	squally.
S. S. Marengo, N. 49° 07′, W. 17° 40′	.....	.....	55	12.8	.....	ene.	.....	.....	3	.....	8	.....	wsw.	2 h'r	2 h'r	mod.	ww.	fair.
S. S. Normandie, N. 43° 10′, W. 40° 50′ *†	29.72	755.0	60.8	16.	.....	var.	.....	.....	4	.....	8	.....	sw.	3 h'r	3 h'r	r'gh	sw.	rainy.
S. S. Olbers, N. 3° 43′, W. 43° 00′	30.02	762.5	80	26.7	82	e.	.....	.....	3	.....	5	.....	ne.	.....	.....	3	n. ne	d. clouds.
S. S. Rosse, N. 25° 35′, W. 62° 47′	30.03	762.7	74	23.3	.....	sw.	.....	.....	4	.....	2	.....	sw.	o	o	h'vy	nw.	fine.
S. S. Rhaetia, N. 49° 33′, W. 14° 02′	29.16	740.7	47	8.3	.....	sse.	.....	.....	5	.....	5	.....	se.	rain	rain	mod.	se.	squally.
S. S. State of Nebraska, N. 43° 28′, W. 42° 49′*†	29.78	756.4	60	15.6	.....	e.	.....	.....	5	.....	8	.....	e.	1 h'r	1 h'r	con.	.....	cloudy.
S. S. Salier, N. 40° 44′, W. 70° 52′	29.00	736.6	.....	.....	.....	w.	.....	.....	8	.....	10	.....	wnw.	3 h'r	3 h'r	r'gh	w.	snowing.
S. S. Scythia, N. 47° 26′, W. 35° 41′	29.88	758.9	50	10.0	93	n.	.....	.....	5	.....	6?	.....	nw.	o	o	mod.	n.	clear ?
Bk. Tuck Sing, N. 35° 33′, W. 74° 15′ *†	29.55	750.6	.....	.....	.....	nw.	.....	.....	6	.....	10	.....	nw.	o	o	h'vy	nw.	covered.
S. S. Valencia, Puerto Cabello, Venezuela †	30.07	763.8	79	26.1	82	ene.	.....	.....	2	.....	2	.....	e.	2 h'r	2 h'r	.....	.....	fine.
S. S. Vaderland, English Channel	.....	.....	54	12.2	.....	e	.....	.....	1	.....	8	.....	e.	8 h'r	8 h'r	sm'h	.....	raining.
S. S. Virginian, N 48° 55′, W. 27° 14′	.....	.....	55	12.8	81	nnw.	.....	.....	4	.....	.....	.....	n.	2 h'r	2 h'r	mod.	nne.	fine.
S. S. Westernland, N. 44° 13′, W. 40° 08′	29.79	756.6	55	12.8	87	ene.	.....	.....	6	.....	10	.....	ene.	5 h'r	5 h'r	r'gh	ene.	dull.
S. S. Waesland, Flushing, Netherlands	29.63	752.6	60	15.6	.....	sse.	.....	.....	5	.....	4	.....	sse.	o	o	.....	.....	fair.
S. S. Lessing, N. 49° 35′, W. 12° 03′	29.13	739.9	53	11.7	.....	s.	.....	.....	5	.....	8	.....	s.	1 h'r	1 h'r	mod.	ssw.	fair.
Bk. Alpha, N. 19° 00′, W. 57° 30′ *†	30.10	764 5	78	25.6	.....	e.	.....	.....	4	.....	2	.....	e.	o	o	long	nw.	clear.
Schr Adda Doane, N. 23° 51′, W. 73° 42′†	30.05	763.3	.....	.....	.....	sw.	.....	.....	4	.....	2	.....	wsw.	o	o	mod.	sw.	clear.
S. S. America, Chesapeake Bay	.....	.....	65	18.3	.....	n.	.....	.....	6	.....	9	.....	n	o	o	high	n.	stormy.
S. S. Andes, N. 32° 05′, W 70° — *†	29.50	749.3	62	16.7	.....	sw.	.....	.....	6	.....	3	.....	.....	.....	.....	h'vy	sw.	misty.
S. S. British Princess, N. 39° 09′, W. 68° 20′	.....	.....	.....	.....	.....	wnw.	.....	.....	5	.....	8	.....	wnw.	10 h'r	10 h'r	r'gh	wnw	cloudy.
S. S. City of Merida, N. 40° 44′, W. 74° 01′	.....	.....	.....	.....	.....	nw.	.....	.....	6	.....	10	.....	nw.	1 h'r	1 h'r	.....	.....	cloudy.
S. S. Chalmette, N. 25° 08′, W. 84° 08′ †	30.08	764.0	76	24.4	.....	nw.	.....	.....	3	.....	3	.....	nw.	o	o	sm'h	.....	clear.
Bk. Esmeralda, N. 55° 34′, W. 10° 21′	29.53	750.0	.....	.....	.....	e.	.....	.....	3	.....	0	.....	.....	o	o	light	ssw.	clear.
S. S. Erin, N. 46° 31′, W. 30° 51′	29.73	755.1	48	8.9	.....	n.	.....	.....	5	.....	4	.....	nne.	1 h'r	1 h'r	mod.	nne.	fair.
S. S. England, N. 40° 30′, W. 62° 57′	.....	.....	.....	.....	.....	sw.	.....	.....	6	.....	8	.....	sw.	4 h'r	4 h'r	high	con.	cloudy.
S. S. Grecian, N. 44° 36′, W. 39° 18′	29.78	756.4	58	14.4	82	e.	.....	.....	3	.....	3	.....	e.	o	o	light	ene.	fair.
Bk. Idaho, N. 24° 28′, W. 70° 12′*†	30.03	762.7	.....	.....	.....	ssw.	.....	.....	4	.....	3	.....	sw.	o	o	mod.	sw.	fair.
S. S Italy, N. 48° 20′, W. 18° 25′ *	29.09	738.9	46	7.8	96	ne.	.....	.....	2	.....	4	.....	ne.	6 h'r	6 h'r	sm'h	nnw.	drizzling.
Bg. Lilian, N. 29° 00′, W. 62° 48′ *	29.90	759.4	.....	.....	.....	sw.	.....	.....	6	.....	0	.....	.....	o	o	r'gh	var.	hazy.
S. S. Muriel, Martinique, W. I	30.02	762.5	78	25.6	.....	e.	.....	.....	3	.....	0	.....	.....	o	o	sm'h	.....	clear.
S. S. Neckar, N. 42° 19′, W 43° 35′	29.71	754.6	64.4	18	.....	ne.	.....	.....	3	.....	2	.....	ne.	2 h'r	2 h'r	mod.	ne.	clear.
S. S. New York, N. 38° 00′, W. 74° 30′	.....	.....	44	6.7	.....	nw.	.....	.....	8	.....	5	.....	nw.	.....	.....	high	nw.	fair.
S. S. Ontario, N. 43° 36′, W. 69° 30′	.....	.....	35	1.7	100	n.	.....	.....	6	.....	10	.....	.....	12 h'r	12 h'r	mod.	ne.	snowing.
S. S. Pennsylvania, Delaware river †	29.39	746.5	35	1.7	90	wnw.	.....	.....	6	.....	5	.....	wnw.	5 h'r	5 h'r	.....	.....	fine.
S. S. Prussian, N. 42° 25′, W. 62° 06′	.....	.....	46	7.8	.....	se.	.....	.....	5	.....	10	.....	ssw.	5 h'r	5 h'r	h'vy	ese.	dense fog
Bk. Tros, N. 20° 57′, W, 55° 20′ *†	30.07	763.8	76	24.4	.....	e.	.....	.....	0.5	.....	2	.....	ene.	o	o	long	nw.	clear.
S. Tsernogora, N. 37° 44′, W. 67° 00′*†	28.97	735.8	.....	.....	.....	wnw.	.....	.....	8	.....	5	.....	wnw.	rain	rain	h'vy	wnw.	squally.
S. S. Werra, N. 50° 42′, E. 0° 30′*	29.48	748.8	51.8	11.0	.....	se.	.....	.....	4	.....	8	.....	se.	o	o	mod	se.	cloudy.
U. S. S. Alliance, N. 14° 40′, W. 64° 00′	30.09	764.3	78	25.6	73	e.	.....	.....	3	.....	2	.....	e	o	o	sm'h	.....	fair.
U. S. S. Galena, Kingston, Jamaica, W I *	30.06	763.5	76	24.4	73	nw.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Jamestown, N. 14° 50′. W. 61° 56′	30.11	764.8	76	24.4	77	e.	.....	.....	4	.....	10	.....	e.	.....	.....	sm'h	e.	cloudy.
U. S. S. Kearsarge, Jaffa, Syria	.....	.....	62	16.7	82	wsw.	.....	.....	6	.....	8	.....	wsw.	.....	.....	r'gh	w.	squally.
U. S. S. Lancaster, Jaffa, Syria	20.69	754 1	57	13.9	100	w.	.....	.....	5	.....	10	.....	ssw.	.....	.....	long	ssw.	rain-squalls
U. S. S. Portsmouth, St. Thomas, W. I.	.....	.....	76	24.4	95	se.	.....	.....	1	.....	5	.....	se.	.....	.....	.....	.....	fair.
U. S. S. Quinnebaug, Tunis, North Africa	.....	.....	71	21.7	66	se.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Saratoga, Lisbon, Portugal	29.70	756.7	54	12.2	74	sw.	.....	.....	3-5	.....	2	.....	sw.	light	light	sm'h	.....	fair.
U. S. S. Swatara, Key West, Fla	29.99	761.7	76	24.4	91	w.	.....	.....	3	.....	1?	.....	w.	o	o	.....	.....	fair?
U. S. S. Vandalia, Key West, Fla	30.02	762.5	75	23.9	86	w.	.....	.....	3	.....	2	.....	calm	.....	.....	.....	.....	fair.
U. S. S. Yantic, N. 21° 08′, W 75° 15′	30.10	764.5	75	23.9	86	wsw.	.....	.....	3	.....	2	.....	.....	.....	.....	sm'h	.....	clear
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.95	760.7	64	17.8	53	nw.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky
H. M. S. Alecto, N. 5° 06, W. 1° 14′	29.86	758.5	82	27.8	.....	wsw.	.....	.....	1	.....	5	.....	.....	.....	.....	3	ssw.	d. clouds.
H. M. S. Minotaur, Phalerum Bay, Greece	29.86	758.4	59	15.0	73	sse.	.....	.....	3	.....	2	wnw.	.....	.....	.....	.....	.....	d. clouds.
H. P. M. S. Bengo, N. 12° 33′ W. 16° 49′	29.97	761.3	70.7	21.5	82	n.	.....	.....	1	.....	0	.....	.....	o	o	1	.....	blue sky.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.90	759.4	80.6	27.0	92	ene.	.....	.....	2	.....	7	.....	sw.	4 h'r	4 h'r	2	w.	d. clouds.
S. S. Lord Gough, N. 46° 07′, W. 30° 52′	.....	.....	48	8.9	.....	nnw.	.....	.....	5	.....	8	.....	nnw.	o	o	mod.	nnw.	cloudy.
S. S. Ohio (Am), N. 40° 02′, W. 52° 39′	.....	.....	61	16.1	94	ssw.	.....	.....	3	.....	10?	.....	w	4 h'r	4 h'r	h'vy	wsw.	clear.?
S. S. Scandinavian, N. 55° 24′, W. 7° 56′	29.53	750.0	50	10.0	.....	ene.	.....	.....	3	.....	5	.....	w.	2 h'r	2 h'r	.....	.....	d. clouds.
S. S. Sardinian, N. 37° 41′, W. 74° 08′	.....	.....	41	5.0	.....	nw.	.....	.....	6	.....	8	.....	nw.	o	o	r'gh	nw.	cloudy.
S. S. Dorian, N. 37° 22′, W. 1° 00′	29.89	759.2	.....	.....	.....	sw.	.....	.....	5	.....	.....	.....	.....	3 h'r	3 h'r	mod.	sw.	fine.
S. S. St. Laurent, Havre, France	29.36	745.7	61.7	16.5	.....	e.	.....	.....	4	.....	6	.....	e.	o	o	.....	.....	cloudy.
S. S. Westphalia, Hamburg, Germany	29.85	758.2	60	15 7	.....	se.	.....	.....	2	.....	2	.....	se.	o	o	.....	.....	clear
S. S. Moravia, N. 40° 40′, W. 56° 53′ *	29.30	744.2	60.8?	16.7	.....	s.	.....	.....	6	.....	8	.....	s.	o	o	r'gh	s.	squally
S. S. Hevelius, N. 43° 50′, W 11° 18′†	29.47	748.5	57	13.9	.....	w.	.....	.....	6	.....	5?	.....	w.	2 h'r	2 h'r	long	w.	clear.?
S. S. Archimede, (It.) Marseille, France †	29.72	754.9	64?	17.8?	.....	ese.	.....	.....	4	.....	8	.....	ese.	1 h'r	1 h'r	.....	.....	cloudy.
S. S Donau, Norderney Id, North Sea	29.79	756.7	.....	.....	.....	se.	.....	.....	4	.....	0	.....	.....	o	o	sm'h	.....	clear.
S. S. Baltimore, N. 39° 08′, W. 56° 20′*	29.28	743.7	50.9	10.5	.....	s.	.....	.....	7	.....	10	.....	sw.	sprinkles.		h'vy	sw.	foggy.
S. S. City of Augusta, Savannah, Ga	.....	.....	.....	.....	.....	w.	.....	.....	6	.....	4	.....	wnw.	o	o	.....	.....	smoky
S. S. Rhynland, N. 40° 41′, W. 68° 39′ *†	28.89	733.8	32	0.0	69	sw.	.....	.....	6	.....	10	.....	.....	8 h'r	8 h'r	r'gh	wsw.	overcast
S. S. Pennland, Antwerp, Belgium	.....	.....	65	18.3	54	se.	.....	.....	2	.....	5	.....	se.	o	o	.....	.....	fine.
S. S. Amsterdam, Amsterdam, Holland	.....	.....	56.8	13.8	69	s.	.....	.....	2	.....	4	.....	se.	o	o	.....	.....	fair.
S. S. W. A Scholten, New York, N. Y	.....	.....	38.3	3.5	85	w.	.....	.....	5	.....	5	.....	nw.	2 h'r	2 h'r	.....	.....	squally.
S. S. Zaandam, N 40° 28′, W. 70° 01′	.....	.....	44.1	6.7	83	wnw.	.....	.....	0	.....	10	.....	wnw.	12 h'r	12 h'r	long	wnw.	rainy.
S. S. Maasdam, N 46° 38′, W 22° 39′*	29.18	741.2	53.5	11.9	80	nw.	.....	.....	5	.....	6	.....	nw;ne.	5¼h'r	5¼h'r	5	nw.	cloudy.
S. S. Saxon, N. 41° 30′, W. 70° 02′	.....	.....	.....	.....	.....	wnw.	.....	.....	5	.....	10	.....	.....	.....	.....	.....	.....	snowing
S. S. Baltic, N. 41° 10′, W. 64° 09′	.....	.....	.....	.....	.....	wsw.	.....	.....	6	.....	8	.....	w.	7 h'r	7 h'r	r'gh	wsw.	cloudy.
S. S. Salerno, Boston, Mass†	28.95	735.3	43?	6.1?	.....	calm	.....	.....	0	.....	10	.....	ne.	1.0	25.	.....	.....	rainy.
S. S. Iowa, N. 45° 59′, W. 35° 49′	.....	.....	52	11.1	.....	ne	.....	.....	5	.....	9	.....	ne.	2 h'r	2 h'r	long	ne.	cloudy
Bg. Alcira, N. 24° 01′, W. 63° 41′	30.06	763 5	75	23.9	.....	ssw.	.....	.....	3	.....	1	.....	s.	o	o	mod.	n.	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Antonio Lopez, Havana, Cuba, W. I.	30.07	763.8	71.5	21.9	92	calm	.....	.....	0	.....	1	.....	.....	0	0	.....	.....	hazy.
Schr. Arthur Burton, Ponce, Porto Rico, W. I.	30.07	763.8	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	ne.	0	0	sm'h	.....	fine.
Schr. Annie R. Lewis, N. 24° 41′, W. 63° 00′†	30.06	763.5	76	24.4	.....	sw.	.....	.....	3	.....	3	.....	sw.	0	0	mod.	nw.	clear.
Schr. Anna A. Holton, N. 34° 23′, W. 71° 03′ *†	29.45	748.0	56	13.3	.....	wnw.	.....	.....	9	.....	8	.....	nw.	10 minutes		h'vy	wnw.	threatening.
Bk. Aureola, N. 35° 20′, W. 35° 20′ †	29.91	759.7	61.5	16.4	91	wsw.	.....	.....	6	.....	9	.....	w	½ h'r	½ h'r	h'vy	wsw.	squally.
Bk. Abbie Clifford, Port of Spain, Trinidad, W. I†	30.00	762.0	75	23.9	.....	calm	.....	.....	0	.....	1	.....	.....	0	0	.....	.....	clear.
Bgt. Achsah, N. 11° 55′, W. 62° 24′ †	30.06	763 5	80	26.7	.....	ene.	.....	.....	4	.....	2	.....	ene.	0	0	mod.	ene.	clear.
Schr. Abbie H. Gheen, N. 36° 00′, W. 74° 25′	.....	.....	50	10.0	.....	nw.	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
S. S. Bracadale, N. 34° 09′, E. 26° 15′	.....	.....	66	18.9	.....	n.	.....	.....	3	.....	0	.....	.....	0	0	high	cf'd	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*	30.00	762.0	80	26.7	.....	ene.	.....	.....	4	.....	2	.....	ene.	0	0	.....	.....	fair.
Bk. Cato, N. 45° 50′, W. 10° 00′†	29.42	747.3	55	12.8	81	ssw.	.....	.....	5	.....	2	.....	wsw.	0	0	mod.	nw.	clear.
S. Cornelius, N. 33° 16′, W. 17° 13′ *†	30.20	767.1	64	17.8	.....	wsw.	.....	.....	5	.....	3	.....	w.	0	0	cross	nnw.	fair.
S. E. J. Spicer, New York	29.21	741.9	37	2.8	90	nw.	.....	.....	5	.....	10	.....	e;nw.	rain	rain	.....	.....	rain & snow.
Schr. Edith R. Seward, N. 33° 18′, W. 70° 34′	.....	.....	62	16.7	.....	w	.....	.....	7	.....	5?	.....	wnw.	½ h'r	½ h'r	h'vy	w.	clear.?
U. S. Fish. Com. S. S. Fish Hawk, Fernandina, Fla †	30.01	762.2	55	12.8	.....	nw.	.....	.....	5	.....	2	.....	nw.	0	0	sm'h	.....	clear.
S. Ismir, N. 0° 11′, W. 36° 05′	.....	.....	.....	.....	.....	ne	.....	.....	1	.....	10	.....	ne.	8 h'r	8 h'r	long	sse.	rainy.
Bg. George, N. 21° 10′, W. 68° 15′ *†	30.10	764.5	.....	.....	.....	sse	.....	.....	2	.....	2	.....	.....	0	0	long	nne.	fair.
Bg. Gloire, New York, N. Y.	29.27	743.4	38	3.3	72	wnw.	.....	.....	5	.....	.....	.....	wnw.	12 h'r	2 h'r	.....	.....	cloudy.
Bk. Grecian, N. 36° —′, W. 39° 55′ †	29.76	755.9	64	17.8	73	w.	.....	.....	7	.....	4	.....	w.	4 h'r	4 h'r	r'gh	s.;w.	squally.
Bk. Galeon, N. 13° 01′, W. 43° 58′†	30.07	763.8	75	23.9	.....	ene.	.....	.....	4	.....	3	.....	ene.	0	0	.....	ene.	blue sky.
S. Hedwig, N. 45° 07′, E. 13° 27′	29.87	758.7	58.1	14.5	96	sse.	.....	.....	2	.....	2	.....	sse.	0	0	sm'h	.....	clear.
Bk. Hattie G. McFarland, N. 14° 15′, W. 81° 40′	.....	.....	79	26.1	.....	ne.	.....	.....	5	.....	5	.....	ne.	0	0	long	ne.	fine.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	88	31.1	.....	wnw.	.....	.....	1	.....	2	.....	calm	2 h'r	2 h'r	.....	.....	clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.08	764.0	.....	.....	.....	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	haxy.
Bg. John Welsh, jr, Ponce, Porto Rico, W. I†	30.09	764.3	.....	.....	.....	.....	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, Zaza, W. I*†	30.10	764.5	.....	.....	.....	ene.	.....	.....	1	.....	.....	.....	ene.	0	0	.....	.....	fine.
Schr. Jenny Greenbank, Orinoco river, Venezuela*	30.02	762.5	75	23.9	.....	se.	.....	.....	1	.....	6	.....	ene.	1 h'r	1 h'r	.....	.....	fair.
Schr. Jenny R. Morse, Smithville, N. C†	29.83	757.7	.....	.....	.....	wnw.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
Lighthouse Tender Laurel, Key West, Fla†	30.02	764.5	76	24.4	.....	w.	.....	.....	2-3	.....	3	.....	w.	0	0	.....	.....	clear.
S. S. Mendoza, N. 17° 51′, W. 56° 22′	.....	.....	.....	.....	.....	ene.	.....	.....	1	.....	.....	.....	ene.	0	0	long	nw.	clear.
Bg. Rising Sun, N. 22° 47′, W. 57° 59′ †	30.08	764.0	74	23.3	.....	s.	.....	.....	2	.....	2	.....	s.	0	0	long	nw.	clear.
Bk. Rosalie, N. 27° 55′, W. 32° 17′ *†	30.14	765.5	.....	.....	.....	sw.	.....	.....	5	.....	2	.....	w.	1¾ h'r	1¾ h'r	light	sw.	clear.
Bkt. Rosebud, N. 34° 43′, W. 17° 20′*	29.87	758.7	61	16.1	.....	sw.	.....	.....	6	.....	8	.....	nw.	3 h'r	3 h'r	short	wnw.	showery.
S. Ringleader, N. 0° 26′, W. 27° 53′ †	29.85	758.2	82	27.8	75	ese.	.....	.....	2	.....	6	.....	e.	4 h'r	4 h'r	mod.	e.	
S. Salisbury, N. 49° 07′, W. 51° 05′	29.70	754.4	58.1	14.5	78	se.	.....	.....	1	.....	0	.....	.....	0	0	long	sse.	clear.
Bk. Saga, N. 31° 23′, W. 60° 00′ †	29.84	757.9	69	20.6	.....	.....	.....	.....	7-8	.....	5?	.....	.....	0	0	9	.....	cloudy?
Bk. Sunbeam, Lisbon, Portugal†	29.80	756.9	61	16.1	82	wsw.	.....	.....	8	.....	8	.....	w.	5 h'r	5 h'r	.....	.....	cloudy.
Bgt. Sunlight, N. 34° 26′, W. 71° 24′†	29.34	745.2	.....	.....	.....	wnw.	.....	.....	7	.....	8	.....	nw.	0	0	h'vy	wnw.	squally.
S. Stephen D. Horton, N. 43° 28′, W. 45° 45′ †	29.81	757.2	.....	.....	.....	ne.	.....	.....	3	.....	4	.....	ne.	8 h'r	8 h'r	sm'h	.....	fair.
Bk. Silica, N. 57° 51′, W. 35° 30′ *	29.96	761.0	.....	.....	.....	n.	.....	.....	2	.....	8	.....	n.	light	light	sm'h	.....	cloudy.
Schr. Viola Reppard, Sagua la Grande Cuba, W. I†	30.08	764.0	70	24.4	.....	s.	.....	.....	1	.....	1	.....	calm	0	0	.....	.....	clear.
Schr. John Bracewell, Philadelphia, Pa†	29.41	747.0	41	5.0	...	wnw.	.....	.....	6	.....	8	.....	w.	8 h'r	8 h'r	.....	.....	cloudy.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.80	756.9	67	19.4	89	wnw.	5	2.2	.....	.....	2	.....	calm	0	0	.....	.....	fair.
U. S. S. Pensacola S. 7° 10′, W. 21° 12′ †	30.01	762.2	82	27.8	87	ese.	.....	.....	4	.....	2	.....	se.	0	0	light	se.	fair.
U. S. S. Shenandoah, Rio de la Plata *	30.20	767.1	66	18.9	94	nne.	.....	.....	2	.....	2	.....	calm	.....	.....	sm'h	.....	fair.
H. M. S. Amethyst, Montevideo, Uruguay	30.10	764.5	65.5	18.6	86	se.	.....	.....	2	.....	5	se.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Boadicea, S. 28° 45′, E. 15° 46′	29.94	760.5	60	15.6	.....	ese.	.....	.....	3	.....	2	se.	.....	.....	.....	4	se.	blue sky.
H. M. S. Sylvia, S. 37° 11′, W. 38° 50′	30.21	767.3	60	15.6	75	s.	.....	.....	2	.....	9	calm	.....	.....	.....	2	s.	d. clouds.
H. M. S. Adelaide, S. 1° 41′, W. 38° 11′ *†	29.98	761.5	86	30.0	.....	ese.	.....	.....	4	.....	4	.....	ene.	0	0	mod.	e.	fair.
Bk. Achille F., S. 14° 30′, W. 34° —′*†	30.04	763.0	82	27.8	87	ese.	.....	.....	1	.....	2	.....	e.	0	0	sm'h	.....	
Bk. Bore, S. 1° 01′, W. 25° 20′ *†	30.05	763.3	85	29.4	.....	se.	.....	.....	2	.....	2	.....	se.	3 h'r	3 h'r	sm'h	.....	fair.
Bk. Achille F., S. 14° 30′, W. 34° —′*†	30.04	763.0	82	27.8	87	ene	.....	.....	2	.....	2 k	.....	ene.	0	0	sm'h	.....	blue sky.
S. Frank N. Thayer, S. 17° 51′, W. 26° 45′*	29.91	759.7	80.5	30.3	63	var.	.....	.....	2	.....	5	.....	sw.	0	0	sm'h	.....	fair.
S. Gatherer, S. 21° 23′, W. 38° 35′†	30.06	763.5	82	27.8	96	e.	.....	.....	2	.....	10	.....	.....	1 h'r	1 h'r	light	ene.	raining.
Bkt. Levanter, S. 12° 53′, W. 36° 19′	30.05	763.3	82	27.8	.....	se.	.....	.....	6	.....	10	.....	se.	3 h'r	3 h'r	5	se.	covered.
S. S. Strassburg, S. 25° 36′, W. 42° 27′	30.16	766.1	75.0	23.9	72	e.	.....	.....	4	.....	3	.....	s.	0	0	sm'h	ese.	clear.
Bk. Xenia, S. 11° 45′, W. 30° 12′ *†	30.10	764.5	85	29.4	.....	wnw.	.....	.....	3	.....	3	.....	.....	0	0	2	.....	blue sky.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.80	756.9	75.2	24.0	86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	light rain.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska †	29.96	761.0	40	4.4	82	ne.	.....	.....	1	.....	10	.....	w.	light	light	.....	.....	hazy.
U. S. Naval Hospital, Yokohama, Japan	30.22?	767.6?	47.5	8.6	85	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	fair.
U. S. S. Alert, Shanghai, China	.....	.....	50	10.0	79	se.	.....	.....	3	.....	5	.....	.....	.....	.....	.....	.....	
U. S. S. Essex, N. 30° 00′, E. 158° 26′	30.19	766.8	69	20.6	82	ne.	.....	.....	0	.....	10	.....	.....	.....	.....	mod.	ne.	overcast.
U. S. S. Juniata, Salee river, Corea	30.17	766.3	43	6.1	91	ssw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Monocacy, Canton river, China	30.00	762.0	57	13.9	87	wnw.	.....	.....	2	.....	10	.....	.....	light	light	.....	.....	drizzling.
U. S. S. Richmond, Canton river, China	30.01	762.2	61	16.1	100	ese.	.....	.....	2	.....	10	.....	.....	1.1	28.	.....	.....	foggy.
H.M.S. Audacious, Hong Kong, China	29.97	761.2	62	16.7	94	ene.	.....	.....	3	.....	10	ene.	.....	.....	.....	.....	.....	squally.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.02	762.5	.....	.....	.....	s.	.....	.....	2	.....	5	se.	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Flying Fish, N. 26° 09′, E. 119° 53′	30.08	764.0	53.6	12.1	88	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. P. M. S. Tamega, Macao, China	30.00	762.0	63.5	17.5	75	ne.	.....	.....	1	.....	10	.....	.....	6 h'r	6 h'r	.....	.....	drizzling.
U. S. S. Palos, Shanghai, China	30.07	763.8	52	11.1	86	sse.	.....	.....	3	.....	10	.....	calm	.....	.....	.....	.....	fair.
S. S. Arabic, N. 28° 57′, E. 179° 34 *†	30.30	769.6	68	20.0	95	ese.	.....	.....	4	.....	10	.....	ese.	rain	rain	mod.	ese.	drizzling.
S. S. City of Chester, near Cape Mendocino, Cal.†	30.23	767.8	48	8.9	78	nw.	.....	.....	6	.....	.....	.....	.....	.....	.....	high	nw.	clear.
S. S. Columbia, N. 40° 09′, W. 124° 20′*†	30.19	766.8	48.5	9.2	78	nnw.	.....	.....	2	.....	3	.....	calm	0	0	mod.	nw.	clear.
S. S. Oregon, Portland, Oregon †	30.16	766.1	46	7.8	92	calm	.....	.....	0	.....	10	.....	s.	.....	.....	.....	.....	light rain.
S. S. Oceanic, N. 30° 02′, E. 128° 09′	30.27	768 8	62	10.7	72	s.	.....	.....	5	.....	8	.....	s.	0	0	4	s.	cloudy.
S. S. Alameda, N. 25° 16′, W. 152° 14 †	30.18	766.6	68	20.0	.....	ene.	.....	.....	5	.....	4	.....	e.	0	0	mod.	e.	fine.
S. S. State of California, San Francisco, Cal †	30.13	765.3	45	7.2	92	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. City of Pekin, N. 25° 04′, E. 119° 57′†	30.04	763.0	56	13.3	94	ne.	.....	.....	5	.....	10	.....	ne.	.....	.....	mod.	ne.	cloudy.
S. S. City of Rio de Janeiro, N. 32° 48′, W. 142° 27′ †	30.23	767.8	53	17.2	.....	se.	.....	.....	4	.....	8	.....	ssw.	.....	.....	long	nnw.	cloudy.
S. S. Colima, N. 31° 32′, W. 118° 51′†	30.10	764.5	56	13.3	81	nw.	.....	.....	3	.....	4	.....	nw.	0	0	mod.	nw.	clear.
S. S. Granada, Punta Arenas, Costa Rica†	29.90	759.4	77	25.0	86	calm	.....	.....	0	.....	0	.....	.....	0	0	light	.....	hazy.
S. S. San Blas, N. 7° 54′, W. 83° 16′ †	29.90	759.4	81	27.2	91	n.	.....	.....	3	.....	6	.....	sse.	0	0	mod.	s.	fair.
S. S. Benalder, Saigon, Cochin China	29.94	760.5	80	26.7	82	ese	.....	.....	2-3	.....	0	.....	.....	.....	.....	.....	.....	clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Iquique, Peru	30.04	763.0	64	17.8	88	calm	.....	.....	0	.....	2	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.94	760.5	72	22.2	85	s.	.....	.....	1	.....	5	.....	s.	.....	.....	.....	.....	fair.
U. S. S. Onward, Callao, Peru *†	30.04	763.0	71	21.7	90	s.	.....	.....	1	.....	5	.....	se.	.....	.....	long	w.	fair.
U. S. S. Pinta, Talcahuano, Chili	30.04	763.0	57	13.9	94	ssw.	.....	.....	1	.....	2	.....	s.	.....	.....	.....	.....	clear.
U. S. S. Wachusetts, Valparaiso, Chili	30.05	763.3	54	12.2	100	se.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Nelson, Sydney, N. S. W.	29.95	760.7	68	20.0	.....	ssw	.....	.....	1	.....	9	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Sappho, S. 29° 36′, W. 71° 37′	30.08	764.0	60	15.6	88	s.	.....	.....	4	.....	7	s.	.....	.....	.....	3	s.	misty.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	30.00	762.0	58	14.4	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, S. 24° 15′, W. 175° 40′ *	29.87	758.7	74	23.3	81	.....	.....	.....	5	.....	4	.....	.....	0	0	.....	.....	
S. S. City of Sydney, S. 28° 28′, W. 178° 35′*†	30.13	765.3	66	18.9	79	e.	.....	.....	4	.....	8 km	.....	e.	.....	.....	h'vy	e.	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Bombay, India	29.82	757.4	83	28.3	87	W.	.....	.....	3	.....	0	.....	.....	.....	.....	sm'h	w.	clear.
H. M. S. Euryalus, Massuah, Abyssinia	29.68	753.9	83	28.3	75	e.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S. 11° 00′, E. 94° 00′	29.86	758.4	79.5	26.4	87	e.	.....	.....	3	.....	4	s.	.....	.....	.....	4	se.	d. clouds.
S. J. W. Gildemeister, S. 10° 45′, E. 100° 15′	29.92	760.0	81.1	27.3	84	ene.	.....	.....	4	.....	10 km	.....	.....	1 h'r	1 h'r	4	se	showery
Bk. Nouva Margherita, S. 6° 43′, E. 104° 50′ *†	29.77	750.1	.....	.....	.....	W.	.....	.....	2	.....	.....	.....	w.	rain	rain	long	sw.	clear.
S. Orealia, N. 4° 12′, E. 83° 30′ *	29.82	757.4	.....	.....	.....	ne.	.....	.....	3	.....	5	.....	ne.	0	0	sm'h	.....	clear.
S. S. Lepanto, Suez Canal, Egypt	29.73	755.1	66	18.9	.....	wnw.	.....	.....	7	.....	4	.....	nw.	0	0	.....	.....	fair.

International Chart I. April 3, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 4, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.95	760.6	72.3	22.4	66	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	Koziere.
Algiers	.....	.....	29.92	759.9	71.6	22.0	47	ssw.	.....	.....	2	.....	0	.....	.....	0	0	clear	Thève.
La Calle	.....	.....	29.93	760.3	71.2	21.8	67	nnw.	.....	.....	3	.....	2	.....	.....	0	0	fair	Fonfrède.
Tunis	.....	.....	29.93	760.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.99	761.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.06	763.4	76.3	24.6	.....	s	.....	.....	1	.....	1	.....	.....	0	0	very fair	Abraham.
Biskra	.....	.....	30.08	763.9	77.4	25.2	58	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.17	766.3	59.4	15.2	63	s.	4	1.8	.....	.....	2 ks	.....	.....	0	0	fine	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.90	759.4	30.09	764.3	53	11.7	81	w.	10	4.5	.....	.....	10	.....	nw.	0	0	cloudy	Com. J. Short, R.N.
Melbourne, Victoria	30.00	762.0	30.09	764.3	56.0	13.3	75	sse.	5	2.2	.....	.....	3	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.21	742.0	29.76	755.8	57.9	14.4	33	ne.	.....	.....	3	.....	2	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.08	738.6	29.86	758.5	43.5	6.4	45	e.	9.8	4.4	.....	.....	7	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	28.96	735.6	29.86	758.5	38.8	3.8	43	n.	.....	.....	4	.....	10 ks	.....	s.	0	0	.....	Julius Mikolik.
Gratz	28.52	724.5	29.77	756.1	53.1	11.7	44	e.	.....	.....	3	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.23	717.0	29.67	753.7	40.3	4.6	84	nw.	.....	.....	4	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.40	721.3	29.73	755.1	51.4	10.8	55	ene.	.....	.....	2	.....	0	.....	.....	0	0	clear	The Staff.
Lemberg	28.85	732.8	29.87	758.7	34.7	1.5	61	e.	.....	.....	2	.....	10	.....	.....	0.083	2.1	.....	Dr. T. Stanecki.
Pola	29.63	752.5	29.74	755.3	60.1	15.6	75	wsw.	.....	.....	1	.....	5	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.25	743.0	.....	.....	42.1	5.6	29	n	.....	.....	5	.....	1	.....	.....	0	0	.....	Joseph Midlinsky, S. J
Szegedin	29.52	749.9	29.79	756.6	47.5	8.6	39	n.	.....	.....	3	.....	4	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.65	753.2	29.75	755.7	59.4	15.2	67	w.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.11	739.3	29.83	757.6	48.9	9.4	37	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	52.2	11.2	66	ssw.	.....	.....	4	.....	3	.....	.....	0.004	0.1	.....	.....
Brussels	29.45	748.1	29.65	753.1	57.2	14.0	57	se.	.....	.....	2	.....	6	.....	s.	0	0	.....	.....
Furnes	29.64	752.8	29.66	753.3	61.0	16.1	60	sse.	.....	.....	3	.....	2	.....	.....	0.031	0.8	.....	.....
Maeseyck	29.57	751.0	29.69	754.2	59.0	15.0	58	sw.	.....	.....	2	.....	8	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.40	746.7	29.50	749.3	45.7	7.6	90	se.	11	4.9	.....	.....	10	.....	.....	0.100	2.5	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.45	748.0	52.2	11.2	64	se.	19	8.5	.....	.....	6	.....	.....	.....	.....	d. clouds	John Harnup.
Bolton, Sharples	28.94	735.1	29.47	748.5	50.2	10.1	72	sse.	9	4.0	.....	.....	9	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.10	739.1	29.49	749.0	53.5	11.9	66	s.	.....	.....	4	.....	4	.....	.....	0.24	6.1	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.01	762.2	30.04	763.0	81.0	27.2	63	e.	.....	.....	2	.....	0?	.....	.....	.....	.....	d. clouds ?	Corp'l C. McGregor, A.H.C
Chatham	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E.	29.40	746.7	29.57	751.1	58.2	14.6	58	s.	.....	.....	4	.....	3	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.05	737.9	29.27	743.4	48.7	9.3	93	se.	.....	.....	5	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.66	702.6	29.97	761.2	82.5	28.1	49	ne.	.....	.....	2	.....	4	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	29.64	752.8	29.87	758.7	88.0	31.1	62	se.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	29.19	741.4	29.23	742.4	50	10.0	86	e.	.....	.....	2	.....	7	.....	.....	0.11	2.8	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.79	756.7	29.89	759.2	64.0	17.8	90	w.	.....	.....	6	.....	4	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.38	746.2	29.54	750.3	62.0	16.7	64	sse.	.....	.....	4	.....	1	.....	.....	.....	.....	blue sky	The Staff.
Guernsey	29.17	740.9	29.47	748.5	52.0	11.1	79	ese.	.....	.....	3	.....	10	.....	.....	0.47	11.9	overcast	A. Collenette, F.R.M.S
Kew, Observatory	29.50	749.3	29.54	750.3	57.8	14.3	57	sse.	20	8.9	.....	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.25	742.9	29.51	749.5	57.0	13.9	59	s.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.78	756.4	29.86	758.4	64.4	18.0	51	w.	.....	.....	4	.....	3	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.03	762.7	30.08	764.0	73.5	23.1	62	n.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.28	743.7	29.50	749.3	56.0	13.3	67	se.	.....	.....	4	.....	3	.....	.....	.....	.....	blue sky	The Staff.
Plymouth	29.25	742.9	29.32	744.7	49.6	9.8	94	se.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.40	746.7	29.50	749.3	50.2	10.1	89	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.66	753.4	29.73	755.1	46.2	7.9	80	ssw.	.....	.....	1	.....	9	.....	.....	blank	blank	gloomy	W. H. Lyne.
Sheffield	29.23	742.4	29.51	749.5	56.1	13.4	69	sw.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	29.41	747.0	29.44	747.8	58.0	14.4	76	e.	.....	.....	3	.....	3	.....	.....	0.030	0.8	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.50	749.3	51.8	11.0	67	sse.	14	6.3	.....	.....	7	.....	.....	0.090	2.3	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	57.7	14.3	61	s.	.....	.....	2.0	.....	4	.....	.....	.....	.....	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.09	738.9	29.11	739.4	46.6	8.1	81	e.	30	13.4	.....	.....	10	.....	.....	.....	.....	raining	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.59	751.6	29.98	761.5	61.5	16.4	62	nw.	11.8	5.3	.....	0	0	.....	.....	0	0	misty	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.80	756.9	29.92	760.0	62.8	17.1	94	wsw.	2	0.9	.....	.....	10 n	.....	.....	0.600	15.2	drizzling	The Staff.
CANADIAN.																			
Bathurst, N. B	29.13	739.9	29.17	740 9	35.0	1.7	.....	ne.	17.5	7.8	.....	.....	10 n	.....	.....	inap.	inap.	misty	Hon. J. Ferguson.
Charlottetown, P. E. Island	28.99	736.3	29.04	737.6	37	2.8	83	e.	6	2.7	.....	.....	9 s	.....	se.	0.10	2.5	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.03	737.3	29.09	738.9	35	1.7	100	ne.	16	7.2	.....	.....	10 n	.....	ne.	1.12	28.4	light rain	G. A. Blair.
Cornwall, Ontario	29.27	743.4	29.47	748.5	29.6	— 1.3	83	n.	.....	.....	1	.....	10 s	.....	.....	0.100	2.5	overcast	Jas. Smith, M. A.
Dalhousie, N. B	29.14	740.1	29.19	741.4	41.0	5.0	.....	e	.....	.....	3	.....	10 n	.....	.....	0.420	10.7	raining	H. A. Johnson.
Father Point, Quebec*	29.27	743.4	29.29	744.0	34	1.1	79	ne.	15	6.7	.....	.....	10 n	.....	ne.	inap.	inap.	threatening	J. McWilliams
Fort Garry, Manitoba*	29.42	747.3	30.32	770.1	19	— 7.2	96	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	28.91	734.3	28.98	736.1	30.0	2.2	90	ne.	19	8.5	.....	.....	10 n	.....	.....	0.340	8.6	raining	Dr. Thos. Harrison.
Grand Manan, N. B	28.79	731.3	28.84	732.5	36	2.2	89	e.	18	8.0	.....	.....	10 n	.....	.....	0.41	10.4	light rain	J. Chipman Seeley
Granton, Ontario	28.59	726.2	29.73	755.1	30.0	— 1.1	100	nw.	5	2.2	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	28.80	731.5	28.93	734.8	36	2.2	96	e	16	7.2	.....	.....	10 n	.....	se.	0.728	18.5	light rain	A. Allison.
Hamilton, Ontario	29.31	744.5	29.73	755.1	33.2	0.7	90	nw.	.....	.....	1	4 ck	0	nw.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.27	743.4	29.61	752.1	31	— 0.6	92	nw.	17	7.6	.....	0	0	.....	.....	0.03	0.8	clear	A. P. Knight, M. A
Little Glace Bay, N. S	29.04	737.6	29.08	738.6	32.7	0.4	94	se.	1	0.4	.....	.....	10 n	.....	.....	0	0	foggy	C. H. Rigby.
London, Ontario	28.89	733.8	29.82	757.4	32.8	0.4	74	n.	.....	.....	1	0	0	.....	.....	0	0	bluesky	E. B. Reed.
Medicine Hat, N. W. T	27.89	708.4	30.25	768.3	34	1.1	96	sw.	1	0.4	.....	5 cs	0	.....	.....	0	0	d. clouds	John Ewart.
Minnedosa, N. W. T	28 29	718.6	30.32	770.1	27	— 2.8	88	ne.	3	1.3	.....	.....	10 s	.....	e.	0	0	cloudy	Rev. J. M. Wellwood.
Montreal, Quebec*	29.19	741.4	29.40	746.7	33	0.6	88	w.	18	8.0	.....	.....	10 n	.....	.....	0.25	6.3	snowing	C. H. McLeod, C. E.
Ottawa, Ontario	29.33	745.0	29.55	750.6	29.5	— 1.4	86	nnw.	.....	.....	.....	.....	10 s	.....	.....	inap.	inap.	overcast	A. McGill, M. A.
Parry Sound, Ontario*	29.04	737.6	29.76	755.9	28	— 2.2	88	nw.	8	3.6	.....	3 k	4 ks	nw.	nw.	inap.	inap.	fair	Rev. E. Mosley.
Peterboro, Ontario	28.90	734.0	29.66	753.4	32.7	0.4	87	nw.	.....	.....	4	0	8 k	.....	.....	0	0	d. clouds	Wm. O'Connor, M.A.
Port Arthur	29.37	746.0	30.09	764.3	32	0.0	.....	s.	4	1.8	.....	0	0	.....	.....	0	0	blue sky	W. P. Cooke.
Port Dover, Ontario	29.08	738.6	29.79	756.7	34	1.1	79	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.17	740.9	29.84	757.9	34	1.1	79	w.	15	6.7	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27.93	709 4	30.29	769.4	30	— 1.1	.....	e.	6	2.7	.....	4 ck	0	e.	.....	0	0	fair	Leslie Gordon.
Quebec, Quebec*	28.92	734.6	29.26	743.7	33	0.6	96	s.	8	3.6	.....	.....	10 n	.....	sw	0.05	1.3	light rain	Capt. Ache, R.N.
Rockliffe, Ontario*	29.21	741.9	29.69	754.1	20	— 3.3	80	w.	24	10.7	.....	.....	10 s	.....	nw.	0	0	cloudy	W. H. McIntyre.
St. Andrews, N. B	28.78	731.0	28.83	732.3	38	3.3	94	ne.	16	7.2	.....	.....	10 n	.....	.....	0.06	1.5	cloudy	.....
St. John, N. B	28.77	730.7	28.91	734.3	37.0	2.8	93	ne.	24	10.7	.....	4 k	4 k	se.	.....	0.360	9.1	d. clouds	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Stratford, Ontario	29.05	737.9	29.78	756.4	33	0.6	96	nw.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	.....
	28 50	723.9	29.82	757.4	31.5	— 0.3	73	nw.	5	2.2	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
CANADIAN.—Continued.																			
Sydney, C. B*	29.05	737.9	29.11	739.4	34	1.1	96	calm	0	0			10 n			0.82	20.8	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.36	745 7	29.75	755.6	33	0.6	71	w.	16	7.2		0	0			0	0	clear	Magnetic Observatory.
Woodstock, Ontario	28.64	727.4	29.73	755.1	31.6	— 0.2	79	w.	13	5.8		0	0			0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	28.66	728.0	28.73	729.7	34	1.1	96	e.	9	4.0			10 s		ne.	0.31	7.9	light snow	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.10	764 5	30.13	765.3	67.5	19.7	92	sw.					fg			0	0	dense fog	I. Garfelt.
Cape Town, The Castle	29.90	759.4			80.0	26.7	41	nne.				0	0			0	0		Capt. R. Gardner Warton
Springbok Fontein	27.90	708.6			90	32.2	50									0	0		J T. Eustace.
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					54.5	12.5	94	se.			1		10 n		se.	0	0	cloudy	Leon Herrera.
Valparaiso	29.86	758.5	30.00	762.1	59.0	15.0	93	s.			2	0?	0?			0	0	cloudy?	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.79	756.6	29.81	757.2	51.1	10.6	94	sw.	2.2	1.0		0	0			0.091	2.3	clear	M. Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.87	758.7	29.92	759.9	45.0	7.2	60	sse.	22	10			0						Oversergent Fischer.
Fanöe	29.70	754.4	29.72	754 9	53.4	11.9	50	se.			6		2						Overloerer Lauridsen.
Godthaab, Greenland	30.08	763.9	30.12	765.0	30.6	— 0.8	96	s.			2		10					foggy	S. Kleinschmidt.
Ivigtut, Greenland	30.08	763.9	30.10	764.4	33.3	0.7		calm			0		10						
Stykkisholm, Iceland	29.94	760.5	29.98	761.6	28.0	— 2.2	85	e.			6		10					snowing	A. O. Thorlacius.
Thorshavn	29.61	752.2	29.64	752 8	43.3	6.3	100	ne.	20	9.			10						Overloerer Bergh.
Upernavik, Greenland	30.49	774.5	30.54	775.7	— 4.2	—20.1		calm			0		9					hazy	
Vestervig	29.67	753.7	29.76	756.0	53.4	11.9	43	e.			4		0						Loerer Oesterhol.
EGYPTIAN.																			
Cairo	29.84	758.0			69,8	21.		w.	3.4	1.5		0	0			0	0		Albert Ismaiun, Dir.
FRENCH.																			
Agen, Normal School	28.97	735.7	29.61	752.0	59.0	15.	59	sse.			1		10 n		sw.	0	0		M. Laforque, Director.
Alençon, Normal School	28.95	735 2	29.50	749.2	57.6	14.2	82	s.			1		5 k		nne.	0.008	0.2	cloudy	M. Nicot, Director.
Arras, Normal School	29.38	746.2	29.62	752.3	58.6	14.8	61	se.			2		1		nw.	0.047	1.2	clear	M. Ungerer, Director.
Avignon, Normal School	29.67	753.6	29.75	755.6	62.2	16.8	55	sse.			1		0			0.780	19.8	clear	M. Giraud, Director.
Bar-sur-Seine	29.09	738.8	29.63	752.6	60.3	15.7	41	se.			2		5		se.	0.079	2.0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.36	745.8	29.63	752.5	57.6	14.2	67	e.			2		5		s.	0.020	0.5	cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.77	730.8	29.65	753.0	61.5	16.4	49	e.			1					0,16	4.		M. Gobin, Director.
Bordeaux, Observatory	29.19	741.5	29.45	748.1	55.9	13.3	67	se.			2		10			0.008	0.2	raining	M. Rayet, Director.
Bourges, Normal School	28 99	736.3	29.53	750.1	60.8	16	78	e.			2		2		e.	0	0	slightly cl'dy	M. Sauvageot, Director.
Brest, Naval Observatory	29.10	739.1	29.34	745.3	50.0	10.0	89	s.			2		10		s.	0.386	9.8	raining	M. de Kermarée, Dir.
Caen, Normal School	29.38	740.2	29.45	748.1	51.1	10.6	95	s.			1		0			0.059	1.5	clear	M. Berson, Director.
Châlons-sur-Marne, N.Sch																0.020	0.5		M. Jadot, Director.
Charleville, Normal School	29.20	741.6	29.72	751.8	58.8	14.9	61	se.			1		2	se.	se.	0	0	¼ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.27	718.0	29.58	751.4	61.7	16.5	34	se.			2	c	2 k		s.	0.291	7.4		M. Alluard, Director.
Cluny, Normal School	28 84	732.5	29.67	753.6	58.3	14.6	60	s.			4		2		s.	0	0		M. de Villemonté, Dir.
Commercy, Normal School	28.91	734.4	29.72	754.9	55.4	13	68	ese.			4		n	ese.	ese.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.26	692.4	29.78	756.3	54.7	12.6	50	n.			1		2 n		n.	0	0		M. Jarach, Director.
Gréasque, du Rhone	28 64	727.4	29.74	755.5	61.0	16.1	61	sw.			2		3		s.	0.772	19.6		M. Kina, Director.
Grenoble, Normal School	28.94	735.0	29.69	754.1	60.4	15.8	55	s.			4	ck			sw.	0.47	12.		M. Allard, Director.
Guéret, Normal School	28.05	712 4	29.59	751.5	60.8	16	41	sse.			6		k		sw.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.06	738.1	29.34	745.1	56.1	13.4	66	se.			4		5 n		se.	0.252	6.4	cloudy	M. Pollpre, Dir.
Lescar, Normal School	28.93	734.8	29.46	748.2	56.5	13.6	49	se.			1		10 n			0	0	covered	M. Chauvin, Director.
Lorient, Naval Observatory	29.22	742.3	29.33	744 9	54.3	12.4	74	se.			3		10		se.	0.165	4.2	covered	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28.63	727 2	29.67	753.6	58.5	14.7	54	sse.			1	5 c				0.150	3.8	very cloudy	M. André, Director.
Mans, Normal School	29.20	741.6	29.50	749.2	56.7	13.7	77	s.			4		8 kn		ssw.	0.043	1.1		M. Richard, Director
Marseille, Observatory	29.48	748.8	29.75	755.6	64.4	18.0	50	wsw.			4		7		wnw.	0	0		M. Stephan, Director.
Montlouis	24.48	621.7	29.32	744.7	42.8	6.0	56	wsw.	26.2	11.7			6	w.		0	0		M. Cave for Dr. Finas.
Montpellier, Normal School	29.58	751.3	29.65	753.1	58.6	14.8	91	se.			4		5	nw.		0.047	1.2	cloudy	M. Galzin, Director.
Nancy, Normal School	28.94	735.1	29.55	750.6	56.8	13.8	52	s.			1	ck	n		s.	0.004	0.1		M. Hasse, Director.
Nantes, Observatory	29.28	743.8	29.45	747 9	59.2	15.1	57	se.			4		10 n;kn		ssw.	0.299	7.6		M. Larocque, Director.
Perpignan, Observatory	29.56	750.8	29.67	753.6	55.9	13.3	72	ne.	11.2	5.0			10		wnw.	0	0	covered	Dr. Fines, Director.
Pic-du-Midi, Summit	20.83	529.1			25.0	— 3.9		sw.			4–6		10		sw.	0	0	covered	M. Vaussenat, Director.
Privas, Normal School	28.65	727.6	29.69	754.1	60.4	15.8	59	sw.			1		10			0.532	13.5	covered	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.80	629 9			39.2	4.0	80	sse.			3	c	2 k			0.110	2.8		M. Alluard.
Rochefort, Naval Obs'y	29.42	747.3	29.45	748.1	60.8	16.0	55	se.			2		8		se.	0.43	11.	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.20	741.7	29.17	741.0	58.6	14.8	63	se.			6					0	0		M. Brettler, Director.
Rodez, Normal School	27.49	698.2	29.60	751.9	54.5	12.5	51	w.			4		10		e.	0.323	8.2	raining	M. Seger, Director.
Rouen, Normal School	29.53	750 1	29.58	751.3	59.4	15.2	56	s.			4		5		s.	0.295	7.5	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.45	748 1	29.62	752.3	59.7	15.4	50	se.			2		5			0.039	1.0	cloudy	M. Renou, Director.
Toulouse, Observatory	28.88	733.6	29.60	751 7	56.3	13.5	72	sse.			8		5	sw.		0	0	cloudy	M. Baillaud, Director.
Tours	29.34	745 1	29.51	749.6	64.4	18.0	36	sse.			4			s.	s.	0.051	1.3		M. de Tastes.
Versailles, Observatory	29.11	739.4	29.60	751 9	59.0	15.0	50	s.			4		0			0	0	clear	Dr. A. Bernigny, Director.
Sub-series.																			
St. Martin du Hinx	29.33	745.0	29.48	748.8	61.3	16.3	50	s.	27.5	12.3			9 k		sw.	0.004	0.1		M. Carlier, Director.
GERMAN.																			
Ansbach	28.32	719 4	29.76	755.9	52.9	11.6	67	sw.			2		6	sw.		0	0		Prof. Jnedt.
Bamberg	28.86	733.1	29.70	754.3	60.1	15.6	50	se.			2		1 cs			0	0		Prof. Dr. Hoh.
Berlin	29.70	754.3	29.84	757.9	56.1	13.4	32	se.			3		0			0	0		Meteorological Institute
Breslau	29.40	746 7	29.93	760.1	45.5	7.5	34	se.			3		0			0	0		Royal University Obs'y
Carlsruhe	29.67	753.7	30.13	765.4	57.2	14.0	61	ssw.			1		1	sw.		0	0		Albert Senz.
Cassel	28.99	736 4	29.71	754.5	64.6	18.1	38	se.			4		2	se.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.33	744.9	29.65	753.0	61.0	16.1	55	s.			1		6			0	0		Physical Society.
Friedrichshafen	28.32	719.4	29.71	754 7	57.2	14.0	62	ssw.			2		1	s.		0	0		Wilhelm, Chief Tel.
Hamburg	29.66	753.3	29.75	755.6	58.3	14.6	38	se.			6		2	sw.		0	0		E. Preiler.
Kiel	29.74	755.3	29.75	755.7	54.0	12.2	32	ese			3		3			0	0		Prof. Dr. G. Karsten.
Leipsic, Astrom'l Obs'y	29.38	746.2	29.80	756.8	55.2	12.9	40	e.			2		0			0	0		H. Leppig, Asst.
Magdeburg	29.59	751.6	29.78	756.3	59.0	15.0	26	ese.			2	1 c		w.		0	0		Weather Observatory.
Memel	30.03	762.7	30.08	763.9	39.4	4.1	84	nw.			3		0						Issermann.
Munich	27.93	709 5	29.78	756.4	55.2	12.9	56	nw.			2		3	w.		0	0		Central Station.
Neufahrwasser	30.00	762.1	30.03	762.8	39.6	4.2	63	ne.			1		0			0	0		A. Lothes.
Neustadt, Palatinate	29.16	740.7	29.68	753.9	60.4	15.8	63	e.			1		10			0	0		Prof. Dicknether.
Stuttgart	28 77	730.7	29.65	753 0	58.1	14.5	59	ne.			1		5	w.		0	0		Prof. Dr. Schoder.
Wustrow	29.82	757.3	29.84	757.9	53.8	12.1	54	se.			4		3 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.34	745 4	29.73	755.1	66.6	19.2		w.			6.0	3				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.81	757.1	29.86	758.4	79.2	26.2	80	sw.	30.0	13.4			6			0	0	d. clouds	
Deesa	29.35	745.5	29.81	757 3	94.1	34.5	20	w.	16.0	7.2			0			0	0	blue sky	
Bombay	29.75	755.6	29.79	756.6	86.0	30.0	67	nnw.	19.0	8.5			4	s.	e.	0	0	d. clouds	
Poona, Yarrowda	28.01	711.4	29.87	758.7	77.1	25.1	52	sse.	24.0	10.7			10			0.24	6.1	overcast	
Bellary	29.60	751.7	29.87	758.7	97.3	36.3	35	nne.	0.2	0.1			5	nne.	nne.	0	0	d. clouds	
Trichinopoly	28.32	719.4	29.74	755.5	97.0	36.1	18	e.	6.0	2.7			3			0	0	d. clouds	
Belgaum	27.28	692.8	29.76	755.8	87.6	30.9	52	sw.	10.0	4.5			6		e.	0	0	d. clouds	
Lahore	29.08	738 5	29.81	757.2	84.0	28.9	28	nw.	2.0	0.9			8			0	0	d. clouds	
Roorkee	28.87	733.2	29.75	755.6	89.7	32.1	18	w.	2.0	0.9			0			0	0	misty	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0-10	Clouds. Amount and kind. Upper. 0-10	Clouds. Amount and kind. Lower. 0-10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Agra	29.22	742.1	29.77	756.0	94.1	34.5	29	w.	2.0	0.9			2		w.	0	0	d. clouds	
Nagpur	28.76	730.5	29.78	756.3	94.7	34.8	28	sw.	10.0	4.5			4	w.		0.01	0.3	d. clouds	
Jubbulpore	28.46	723.0	29.78	756.3	95.5	35.3	16	nw.	4.0	1.8			2	ne.		0	0	d. clouds	
Lucknow	29.41	747.0	29.78	756.3	97.0	36.1	26	wnw	16.0	7.2			0			0	0	misty	
Allahabad	29.44	747.7	29.74	755.3	97.4	36.3	21	nw.					3			0	0	d. clouds	
Patna	29.55	750.5	29.73	755.0	94.9	34.9	18	sw.	5.7	2.6			2	sw.	sw.	0	0		
Hazaribagh	27.82	706.5	29.80	757.0	83.6	28.7	24	sw.	4.0	1.8			9		sw.	0	0	d. clouds	
Cuttack	29.70	754.4	29.78	756.4	88.1	31.2	57	w.	5.0	2.2			4			0	0	d. clouds	
Calcutta, Alipore	29.73	755.2	29.75	755.7	90.8	32.7	60	sse.	7.0	3.1			0			0	0	blue sky	
Chittagong	29.76	755.9	29.85	758.2	80.6	27.0	80	s.	9.5	4.2			8		ssw.	0	0	d. clouds	
Sibsagar	29.43	747.4	29.77	756.1	73.6	23.1	82	ne.	2.0	0.9			10	w.	w.	0	0	overcast	
Jeypore	28.37	720.6	29.78	756.4	91.7	33.2	11	wnw.	17.5	7.8			4	nw.		0	0	d. clouds	
Zanzibar	29.80	756.9			86.7	30.4	65	ssw.	7.1	3.2			3	ese.		0	0	d. clouds	
ITALIAN.																			
Udine	29.31	744.5	29.72	754.8	66.4	19.1	44	s.	3.1	1.4			3			0	0		Prof. Giovanni Clodig.
Milan	29.24	742.7	29.75	755.7	59.9	15.5	62	w.	3.8	1.7			8	nw.		0.098	2.5		Prof. G. V. Schiapparelli
Padua	29.59	751.6	29.70	754.3	64.4	18.0	46	sse.	6.9	3.1			3	se.		0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.85	732.9	29.75	755.7	55.4	13.0	66	nw.	1.3	0.6			8	ne.		0	0		Prof. F. F. Denza.
Genoa	29.56	750.9	29.76	755.8	59.4	15.2	72	se.	3.8	1.7			6	w.		0.583	14.8		Prof. G. M. Garibaldi.
Pesaro	29.70	754.3	29.74	755.5	56.1	13.4	75	ne.	6.9	3.1			10	w.		0.051	1.3		Prof. Luigi Guidi.
Florence	29.50	749.4	29.76	755.8	59.4	15.2	70	s.			2		9			0.469	11.9		Prof. Costantino Pittei.
Leghorn	29.64	752.8	29.72	754.9	59.2	15.1	70	w.	4.9	2.2			10	w.		1.185	30.1		Prof. P. Monte.
Rome	29.59	751.6	29.76	756.0	64.4	18.0	46	wsw.	11.2	5.0			6			0	0		Prof. P. Tacchini.
Lecce	29.48	748.8	29.73	755.1	59.0	15.0	70	wsw.	15.0	6.7			9			0.098	2.5		Prof. C. de Giorgi.
Cosenza	28.95	735.5	29.84	758.0	59.0	15.0	76	w.	1.8	0.8			9	w.		0.264	6.7		Prof. D. Conti.
Palermo	29.66	753.4	29.91	759.7	65.8	18.8	38	wsw.	10.5	4.7						0	0		Prof. G. Cacciatore
Syracuse	29.75	755.7	29.80	756.8	69.8	21.0	62	wnw.	15.4	6.9			7	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.27	743.5			57.9	14.4	63	sw.	21.0	9.4			8	sw.		0.165	4.2		Prof. F. Brioschi.
Stelvio	21.89	555.9			37.2	2.9	58	ene.			0		8			0	0	misty	Prof. P. F. Denza.
Valdobbia	21.92	556.9			29.1	−1.6	94	se.			6		10			0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.30	769.7	30.33	770.6	39.0	3.9	100	calm			0	0	0			0	0	clear	H. Hattori.
Awomori	30.29	769.3	30.33	770.4	39.2	4.0	84	e.	0.1	0.04		0	0			0	0	clear	K. Ogawa.
Hakodate	30.32	770.2	30.33	770.5	36.0	2.2	91	calm	0	0		1 c	0			0	0	clear	Y. Souma.
Hamamatsu	30.27	768.8	30.37	771.3	47.3	8.5	84	calm			0	8ck;cs	0	w.		0.134	3.4	cloudy	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.19	766.8	30.20	767.1	51.9	11.1	73	wnw.	0.8	0.4		10 cs	0	w.		0.209	5.3	cloudy	Y. Okamoto.
Kagoshima	30.11	764.8	30.12	765.1	55.9	13.3	87	ne.			2		10 n			1.938	49.2	raining	
Kanazawa	30.17	766.2	30.27	768.9	48.0	8.9	62	e.	8.3	3.7		4 cs	0			0	0	fair	S. Endo.
Kioto	30.12	765.0	30.29	769.4	52.1	11.2	69	ne.	1.5	0.6		10 cs	0			0.056	1.6	cloudy	M. Tojima.
Kochi	30.27	768.7	30.29	769.2	56.0	13.3	65	e.	10.9	4.8			10 s			0.010	15.5	overcast	K. Kusunose
Miasaka	30.16	766.1	30.19	766.8	57.0	13.9	81	ene.			2		10 n		se.	2.898	73.6	raining	K. Masusaki & T. Ishmain.
Miyako	30.24	768.2	30.35	771.0	38.8	3.8	77	sw.	3.6	1.6		0	0			0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.83	757.7	30.03	762.7	53.3	11.8	86	e.	15.0	6.7			10 n			1.480	37.6	light rain	
Nemuro	30.31	769.9	30.36	771.1	30.3	−0.9	74	calm	0	0		10 ck	0			0	0	cloudy	A. Shibuya.
Niigata	30.28	769.1	30.32	770.1	43.0	6.1	81	n.	0.6	0.3		5 cs	0	w.		0	0	½ cloudy	Satoo & Tomikawa.
Nobiru	30.36	771.2	30.38	771.6	43.1	6.2	93	se.	3.4	1.5		0	0			0	0	clear	Yoshino & Midzushina.
Numadzu	30.34	770.6	30.38	771.6	46.1	7.8	85	ene.			2	10 cs;ck	0	w.		0.150	3.8	cloudy	T. Ohgi.
Osaka	30.27	768.8	30.28	769.1	52.6	11.4	73	ne.	6.0	2.7		5 cs	5 s			0.125	3.2	cloudy	J. Omura.
Saga	30.06	763.5	30.08	764.1	53.7	12.1	94	ne.	0.3	0.1			10 n			0.839	21.3	raining	A. Matsuhayashi.
Sakai	30.17	766.3	30.18	766.5	55.5	13.1	58	s.			2	10 cs	0			0.141	3.6	cloudy	Yamawchi & Sakamoto.
Sapporo	30.22	767.7	30.29	769.4	33.3	0.7	80	se.	2.2	1.5		0	3 cs			0.048	1.2	clear	S. Kimura.
Shimonoseki	29.99	761.7	30.13	765.4	54.7	12.6	74	ene.			4		10 n			1.000	25.4	rainy	S. Sakano.
Tokei Obs'y, Yeddo	30.29	769.4	30.37	771.4	49.4	9.7	79	ssw.	7.3	3.2		6 cs	0	w.		0.139	3.5	fair	The Staff.
Wakayama	30.22	767.5	30.27	768.8	54.7	12.6	65	s.	0.1	0.04			10 ck		sw.	0.120	3.0	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.71	754.6	29.90	759.4	80.2	26.8	74	e.	11.5	5.1		0	6 kn;ks		e.	0.09	2.3	fair	The Staff.
MEXICAN.																			
Leon	24.32	617.7	30.04	763.0	54.7	12.6	68	nw.	0.9	0.4		8 c	0			0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.70	754.5	29.97	761.1	65.0	18.3	78	nw.	0.9	0.4		4 cs	0	sw.		0	0	foggy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.66	753.3	29.66	753.3	56.8	13.8		ese.			3					0.008	0.2		
Groningen	29.58	751.4	29.64	752.8	58.8	14.9		s.			1					0	0		
Helder	29.65	753.1	29.65	753.1	51.8	11.0		sw.			4					0	0		
Hellevoetsluis	29.65	753.2	29.65	753.2	59.7	15.4	58	e.			1					0	0	cloudy	H. van der Brink.
Utrecht	29.64	752.9	29.69	754.1	56.7	13.7	65	ssw.			2		5			0	0		
Sub-series.																			
Batavia, Java	29.87	758.6			79.2	26.2	82	nnw.	0	0			9			0	0		Lt. J. J. Ropman, R.D.N
NORWEGIAN.																			
Bergen	29.69	754.1	29.75	755.7	52.5	11.4	71	calm	0	0			1			0.114	2.9		
Brono	29.89	759.2	29.93	760.2	38.3	3.5	75	calm			0		6			0	0		
Christiania	29.74	755.4	29.89	759.2	46.9	8.3	61	ssw.	4	2			0			0	0		
Gjæsvær	29.90	759.5	29.93	760.1	15.8	−9.0		n.			7		10			0.071	1.8	snowing	
PORTUGUESE.																			
Funchal, Madeira	29.73	755.2	29.82	757.4	63.3	17.4	76	sw.	5.6	2.5			10			0.059	1.5		Capt. D. A. de Cunha
Lisbon, Observatory	29.24	742.6	29.57	751.0	57.7	14.3	96	ssw.	33.5	15.0			10			1.071	27.2		The Staff.
Ponta Delgada, Azores	29.53	750.0	29.60	751.8	56.1	13.4	64	nne.	8.7	3.9			3			0.374	9.5		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.99	761.8	30.03	762.7	68.9	20.5	75	ne.			2		1			0	0		
San Salvador, Congo																			
Serra da Estrella	24.78	629.5	29.51	749.5	40.5	4.7	100	wsw.	40.5	18.1			10			2.886	73.3	rain & fog	
RUSSIAN.																			
Akmolinsk	28.91	734.4	30.06	763.5	23.4	−4.8	90	ene.	9	4		0	0			0	0		Major K. Lasarew.
Archangel	29.61	752.0	29.63	752.5	32.2	0.1	87	wsw.	16	8			10			0	0	light clouds	Capt. Sseliwerstow
Ashurada	29.82	757.3	29.72	754.9	54.1	12.3	88	wnw.	18	8			10 n			0.370	9.4		
Astrakhan	29.73	755.1	29.65	753.2	33.4	0.8	96	w.	13	6			10 n			0.614	15.6		Capt. Wisganow.
Baku	29.81	757.1	29.76	755.9	42.4	5.8	70	nnw.	31	14			10 kn						
Barnaul	29.72	755.0	30.26	768.5	25.9	−3.4	54	ne.	9	4			0			0	0		Meteorological Office.
Bieloserk	29.47	748.5	29.94	760.5	43.0	6.1	36	sw.	7	3			10 ks			0	0		
Dorpat	29.72	755.0	29.97	761.3	44.1	6.7	52	wsw.	7	3		2 ck	0			0	0		Rosenthal.
Ekaterinburg	29.02	737.2	30.02	762.4	35.1	1.7	69	s.	4	2		8c;ck;cs	0			0	0	light clouds	Meteorological Obs'y.
Elissawetgrad	29.32	744.7	29.79	756.6	32.0	0.5	90	sw.	4	2			10 n			0.299	7.6		
Kasalinsk	29.65	753.0	29.82	757.5	33.8	1.0	96	ene.	9	4								foggy	Butkewitsch.
Kasan	29.69	754.1	29.97	761.2	37.4	3.0	61	e.	7	3		8 cs	0			0	0		Observatory.
Kem	29.70	754.3	29.75	755.6	33.4	0.8	70	nw.	13	6			10 ks			0	0	h'vy clouds	
Kertch	29.76	755.8	29.78	756.4	39.2	4.0	82	w.	4	2			9 n			0.201	5.1		Lagorio & Sastyrea.
Kieff	29.11	739.5	29.76	755.9	34.2	1.2	52	ene.	4	2		5c;cs	0			blank	blank	light clouds	Observatory.
Koslov	29.11	739.3	29.63	752.5	32.9	0.5	94	ene.	18	8			10 s			0.287	7.3		
Lgov	29.11	739.4	29.71	754.6	33.8	1.0	87	nw.	7	3			10			0.217	5.5	snowing	R. J. Ssaweljew, En'gin'r.
Libau	30.02	762.4	30.04	763.0	39.7	4.3	74	wsw.	7	3			0			0	0		F. Quass.
Lugan	29.48	748.8	29.69	754.1	40.1	4.5	50	wsw.	22	10			4			0	0		Meteorological Obs'y.
Moscow	29.37	746.0	29.86	758.4	37.6	3.1	63	n.	11	5			10 s			0	0		Meteorological Obs'y.
Nertschinsk	27.35	694.7	29.72	755.0	24.4	−4.2	91	e.	4	2			10			0.224	5.7	snowing	
Nikolaiev	29.67	753.5	29.74	755.3	37.4	3.0	66	s.	4	2		0	5 kn			0.091	2.3		Capt. Kurdakow.

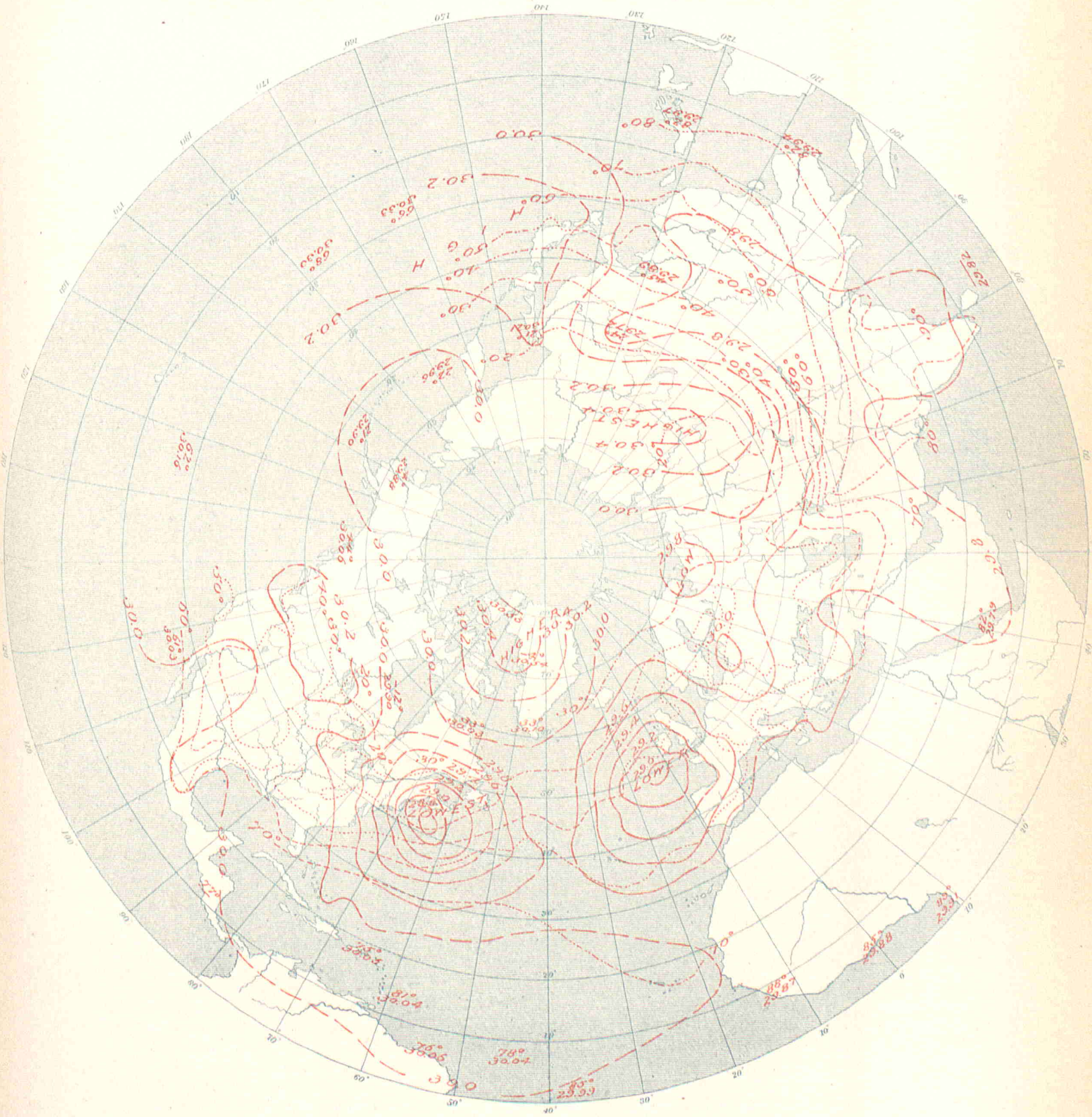
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.12	765.0	30.21	767 2	20.8	— 6.2	59	nw.	2	1	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.75	755.6	29.89	759.2	45.3	7.4	28	nw.	10.1	4.5	.....	0	8 n	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.28	743.8	29.61	752 2	80.1	26.7	16	ese.	9	4	.....	0	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.62	752.3	29.82	757.4	39.0	3.9	65	w.	11	5	.....	0	8 ks	.....	.....	.....	.....	.....	Dr. Bergmann.
Pinsk	29.39	746.5	29.90	759 5	36.0	2.2	63	nne.	9	4	.....	.....	10 s	.....	.....	0	0	.....	
Poti	29.78	756.4	29.81	757.2	50.4	10.2	84	sw.	4	2	.....	.....	0	.....	.....	0.394	10.0	.....	
St. Petersburg	29.89	759.3	29.92	759.9	38.3	3.5	69	nw.	11	5	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.34	694.4	29.71	754 6	70.9	21.6	63	e.	13	6	.....	0	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.54	750.4	30.27	768.8	9.5	—12.5	81	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.54	750.2	29.75	755.7	43.7	6.5	63	nw.	4	2	.....	1 cs	0	.....	.....	0	0	.....	
Staroi Rykhov	29.26	743.2	29.84	757.8	32.5	0.3	96	nne.	11	5	.....	.....	10	.....	.....	0.020	0.5	snowing	Carl Hagen.
Tashkend, Laboratory	28.19	716.1	29.80	756.8	71.4	21.9	34	w.	4	2	.....	.....	0	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.34	719.8	29.76	755.9	49.6	9.8	40	n	9	4	.....	4 cs	0	.....	.....	0.031	0.8	.....	Physical Observatory
Vernoe	27.38	695.4	29.90	759.5	45.7	7.6	85	se.	9	4	.....	.....	9 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.74?	755.5?	30.42?	772.6?	22.6	— 5.2	53	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	30.0	762 0	30.07	763.7	32.2	0.1	99	se.	49	22	.....	.....	10 n	.....	.....	0	0	.....	
Warsaw	29.51	749.5	29.94	760.5	42.4	5.8	36	ne.	11	5	.....	4 c	0	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.24	768.0	30.55	775.9	21.7	— 5.7	44	calm	0	0	.....	.....	1	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.22	742 2	29.74	755.4	36.8	2.7	79	ene.	33.4	14.9	.....	.....	10	.....	.....	0	0	cloudy	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.66	753.4	29.77	756.2	59.4	15.2	84	sw.	.....	.....	.....	0	8 kn	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.34	745.1	29.39	746.6	60.4	15.8	71	se.	4.5	2.0	.....	.....	10	.....	.....	0	0	covered	Angel de Uralde.
Burgos, Met. Obs'y	26.55	674 4	29.59	749.4	47.8	8.8	89	sw.	18.6	8.3	.....	.....	10	.....	.....	0.394	10.0	covered	Domingo Martin.
Madrid, Royal Obs'y	27.43	696.7	29.62	752.3	54.3	12.4	85	sw.	26.8	12.0	.....	.....	10	.....	.....	0.650	16.5	covered	The Staff.
Murcia, Met. Obs'y	29.67	753.6	29.79	756.6	65.7	18.7	74	s.	4.5	2.0	.....	3	6	wnw.	.....	blank	blank	almostcov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.42	721.9	29.30	744.3	50.9	10.5	88	sw.	8.0	3.6	.....	.....	10	.....	.....	1.783	45.3	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.02	762.6	30.09	764.3	71.5	21.9	86	se.	1.3	0.6	.....	0	1 k	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.91	759.7	29.97	761.1	82.2	27.9	74	ese.	15.4	6.9	.....	0	1 ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.80	756.8	29.89	759.3	63.7	17.6	82	sw.	14.3	6.4	.....	.....	10	.....	sw.	0.237	6.0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.96	760.9	30.05	763.2	75.2	24.0	81	calm	0	0	.....	4 s	1 k	.....	.....	0	0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	29.91	759.8	29.95	760.8	30.7	— 0.7	86	n.	.....	.....	4	.....	8	.....	.....	0.138	3.5	.....	
Umea	29.90	759 4	29.95	760.7	39.4	4.1	50	e.	.....	.....	2	.....	8	.....	.....	0	0	.....	
Hernosand	29.87	758.8	29.93	760.1	40.3	4.6	87	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	
Stockholm	29.73	755.2	29.91	759 7	54.5	12.5	25	w.	.....	.....	4	.....	2	.....	.....	0	0	.....	
Wisby	29.95	760.6	30.00	762.1	41.0	5.0	78	w.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.78	756.5	29.87	758.7	54.0	12.2	46	w.	9.2	4.1	.....	.....	3	nw	w.	0.004	0.1	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.29	718.5	29.72	754.9	51.4	10.8	69	n.	.....	.....	2	.....	2	.....	.....	0.087	2.2	clear	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.72	754.9	46.9	8.3	80	s.	9	4.0	.....	.....	10	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.85?	758.1?	65.3	18.5	.....	s.	.....	.....	3	.....	8	.....	.....	0	0	¾ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.90	759.5	65.5	18.6	50	sw.	.....	.....	3	.....	4 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.37	746.0	29.45	748.0	36.5	2.5	57	nw.	15	6.7	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy	J. O. Barnes.
Alpena, Michigan	29.19	741.4	29.88	*58 9	31.8	— 0.1	68	nw.	9	4.0	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.94	633.5	29.86	758.4	38.1	3.4	93	sw.	4	1.8	.....	.....	10 n	.....	sw.	0.04	1.0	light rain	J. B. Turton.
Assiniboine, Ft., Montana	27.39	695.7	30.30	769.6	35.3	1.8	74	nw.	4	1.8	.....	6 k	0	w.	.....	.....	.....	fair	J.J.O'Connor.
Atlanta, Georgia	28.90	734.0	30.09	764.3	44.5	6.9	48	nw.	8	3.6	.....	0	5 k	.....	nw.	0	0	fair	S. W. Beall
Atlantic City, New Jersey	29.54	750.3	29.55	750.6	42.0	5.6	50	w.	21	9.4	.....	0	0	.....	.....	0	0	clear	B.A.Blundon.
Augusta, Georgia	29.90	759.4	30.10	764.5	48	8.9	67	calm	0	0	.....	5 ck	hz.	w.	.....	0	0	fair	W.J.Evans.
Baltimore, Maryland	29.67	753.6	29.72	754 9	46.0	7.8	48	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	Geo. W. Folger.
Barnegat City, New Jersey	29.49	749 0	29.51	749.5	41.3	5.2	49	nw.	38	17.0	.....	0	0	.....	.....	0.02	0.5	clear	J.P.Sherry.
Bennett, Fort, Dakota	28.58	725.9	30.22	767.6	32.2	0.1	79	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	A. Pritchard.
Benton, Fort, Montana	27.49	698 2	30.35	770.9	32.1	0.1	87	w.	2	0.9	.....	0	6 ks	.....	sw.	0	0	fair	C.S.Bennett.
Bismarck, Dakota	28.36	720.3	30.24	768.1	31.5	— 0.3	85	calm	0	0	.....	3 k	0	nw.	.....	0	0	clear	B.O. Lenoir.
Block Island, Rhode Island	29.22	742.2	29.25	742.9	36.8	2.7	73	nw.	24	10.7	.....	0	9 s	.....	nw.	0.19	4.8	cloudy	J. T. Elker.
Boise City, Idaho	27.25	692.1	30.09	764.3	39.0	3.9	87	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	James Keneely.
Boston, Massachusetts	28.99	736.3	29.15	740.4	34.9	1.6	90	nw.	23	10.3	.....	.....	10 n	.....	.....	0.59	15.0	light snow	O. B. Cole.
Brownsville, Texas	29.91	759.7	29.97	761.2	67.3	19.6	100	ne.	5	2.2	.....	.....	10 n	.....	n.	0.20	5.1	light rain	John McGlone.
Buffalo, New York	29.00	736.6	29.76	755.9	33.2	0.7	86	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	D.Cuthbertson.
Buford, Fort, Dakota	28.68	713.2	30.18	766.6	34.5	1.4	94	nw.	6	2.7	.....	0	6 s	.....	.....	0	0	fair	A. Schneider.
Cairo, Illinois	29.73	755.1	30.14	765.5	49.2	9.6	65	sw.	1	0.4	.....	9 c;ck	0	w.	.....	0	0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	30.07	763.8	30.27	768.8	42.3	5.7	88	s.	1	0.4	.....	0	0	.....	.....	0.16	4.1	clear	J.H.Young.
Cape Henry, Virginia	29.73	755.1	29.75	755.6	46.5	8.1	60	w.	20	8.9	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	29.59	751.6	29.62	752.3	42.5	5.8	70	w.	42	18.8	.....	0	0	.....	.....	0	0	clear	W.E.Smith.
Cape Mendocino, California	29.38	746.2	30.07	763.8	43.4	6.3	80	nw.	10	4.5	.....	0	5 ks	.....	nw.	0	0	fair	A. P. Leavitt.
Cedar Keys, Florida	30.11	764.8	30.13	765.3	52.4	11.3	42	n.	6	2.7	.....	3 ck	0	w.	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.98	761.5	30.04	763 0	49.0	9.4	52	w.	7	3.1	.....	3 c	0	w.	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.15	740.4	30.01	762.2	48.4	9.1	47	w.	4	1.8	.....	6 cs	fg.	w.	.....	0	0	fair	D. O'Donoghue.
Chattanooga, Tennessee	29.28	743.7	30.11	764.8	45.5	7.5	64	nw.	4	1.8	.....	7 cs	0	w.	.....	0	0	fair	B. L. Goulding.
Cheyenne, Wyoming	24.06	611.1	30.08	764.0	32.7	0.4	62	nw.	10	4.5	.....	0	4 s	.....	nw.	0	0	fair	E. McGovern.
Chicago, Illinois	29.22	742.2	29.95	760.7	40.8	4.9	75	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	T.B.Jennings.
Chincoteague, Virginia	29.70	754.4	29.72	754 9	44.3	6.8	67	nw.	22	9.8	.....	0	0	.....	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.35	745.5	30.02	762.5	47.0	8.3	66	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	L.Dunne.
Cleveland, Ohio	29.13	739 9	29.89	759.2	38.2	3.4	78	sw.	8	3.6	.....	0	1 s	.....	.....	0	0	clear	W.Line.
Columbus, Ohio	29.07	738.4	29.94	760.5	41.8	5.4	68	sw.	4	1.8	.....	0	sk.	.....	.....	0	0	clear	F.T. Williams
Concho, Fort, Texas	28.19	716 0	30.13	765.3	58.3	3.5	92	calm	0	0	.....	0	1 k	.....	.....	inap.	inap.	clear	C. E. King.
Custer, Fort, Montana	27.04	686.8	30.22	767.5	40.2	4.6	67	w.	4	1.8	.....	2 cs	3 s	.....	.....	0	0	fair	W.J.Daily.
Davenport, Iowa	29.32	744.7	29.99	761.7	43.0	6.1	74	w.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	R. R. Martin.
Davis, Fort, Texas	25.21	640.3	29.99	761.7	39.0	3.9	96	ne.	4	1.8	.....	.....	10 ks	.....	sw.	0	0	cloudy	J. Williams.
Dayton, Washington Ter.	28.46	722.9	30.22	767.6	36.5	2.5	82	e.	2	0.9	.....	0	0	.....	.....	0.03	0.8	clear	H.S.Blandford.
Deadwood, Dakota	25.48	647.2	30.17	766.3	33.0	0.6	81	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	G.Kingsbury.
Delaware Breakwater, Del	29.66	753.4	29.68	753.9	43.3	6.3	58	nw.	30	13.4	.....	0	0	.....	.....	0	0	clear	G.A.Martin.
Denver, Colorado	24.82	630.4	30.09	764.3	31.7	— 0.2	80	calm	0	0	.....	0	0	.....	.....	0.03	0.8	clear	F. M. Neal.
Des Moines, Iowa	29.10	739.1	30.03	762.7	42.5	5.8	62	w.	1	0.4	.....	0	0	.....	.....	0	0	clear	F. W. Conrad.
Detroit, Michigan	29.18	741.2	29.91	759 7	41.0	5.0	73	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	N.B.Conger.
Dodge City, Kansas	27.47	697.7	30.11	764.8	38.8	3.8	69	w.	4	1.8	.....	3cs;ck	0	w.	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.25	742.9	29.98	761.5	40.3	4.6	79	w.	4	1.8	.....	0	fg	.....	.....	0	0	clear	A.W.Browne.
Duluth, Minnesota	29.34	745.2	30.11	764.8	34.0	1.4	58	nw.	13	5.8	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
Eastport, Maine	28.78	731.0	28 85	732.8	37.0	2.8	94	ne.	18	8.0	.....	.....	10 n	.....	ne.	0.67	17.0	light rain	D. C. Murphy.
Elliott, Fort, Texas	27.33	694.2	30.11	764.8	30	2.2	92	calm	0	0	.....	0	4 s	.....	s.	0	0	fair	J. C. Rickli.
El Paso, Texas	26.22	666.0	29.96	761 0	45.4	7.4	90	e.	3	1.3	.....	.....	10 n	.....	.....	0.18	4.6	light rain	F. Belford.
Erie, Pennsylvania	29.09	738.9	29.84	757.9	35.1	1.7	85	sw.	11	4.9	.....	0	0	.....	.....	0.10	2.5	clear	P. Wood.
Escanaba, Michigan	29.30	744 2	29.99	761.7	32.5	0.3	64	nw.	10	4.5	.....	0	0	.....	.....	inap.	inap.	clear	L.M.Pindell.
Fort Smith, Arkansas	29.68	753.9	30.16	766.1	43.5	6.4	83	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.07	763.8	30.11	764.8	59.0	15.0	75	e.	18	8 0	.....	.....	10 ks	.....	w.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.27	743 4	29.96	761.0	41.7	5.4	74	calm	0	0	.....	8 ck	0	w.	.....	0	0	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.13	638.3	29.86	758.4	42.4	5.8	70	e.	13	5.8	.....	.....	10 s	.....	e.	0.21	5.3	cloudy	Chas. A. Read.
Hatteras, North Carolina	29.87	758.7	29.88	758.9	49.6	9.8	55	nw.	25	11.2	.....	hz.	0	.....	.....	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	26.05	661.7	30.26	768.6	38.5	3.6	70	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	28.71	729 2	30.16	766.1	31.6	— 0.2	90	n.	7	3.1	.....	0	0	.....	.....	inap.	inap.	clear	S. W. Glenn.
Indianapolis, Indiana	29.18	741.2	30.00	762 0	42.6	5.9	66	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	C. F. R. Wappenhans.
Indianola, Texas	30.05	763.3	30.08	764.0	61.7	16.5	85	ne.	25	11.2	.....	.....	10 s	.....	.....	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.04	763.0	30.08	764.0	55.0	12.8	55	w	2	0.9	.....	5cs;ck	hz.	w.	.....	0	0	fair	J. W. Smith.
Keokuk, Iowa	29.40	746.7	30.07	763.8	44.0	6.7	80	w.	2	0.9	.....	0	0	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.07	763.8	30.09	764.3	72.2	22.3	65	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.83	757.7	29.85	758.2	48.6	9.2	42	nw.	16	7.2	.....	0	0	.....	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.06	738.1	30.10	764.5	39	3.9	88	calm	0	0	.....	6 c	0	w.	.....	0	0	fair	J. A. Cody.
La Crosse, Wisconsin	29.18	741.2	29.98	761.5	40.8	4.9	73	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	S. C. Emery.
Leavenworth, Kansas	29.19	741.4	30.10	764.5	41	5.0	73	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. Dill.
Lewiston, Idaho	29.41	747.0	30.26	768.6	43.0	6.1	82	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.81	757.2	30.13	765.3	49.8	9.9	66	s.	3	1.3	.....	3 cs	hz.	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.65	753.1	30.05	763.3	48.0	8.9	93	ne.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	T. S. Collins
Louisville, Kentucky	29.47	748.5	30.04	763.0	46.8	8.2	62	sw.	6	2.7	.....	2 c	0	w.	.....	0	0	clear	E. B. Garriott.
Lynchburg, Virginia	29.17	740.9	29.88	758.9	49.0	9.4	50	w.	8	3.6	.....	0	1 k	.....	nw.	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.24	742.7	29.92	760.0	29.0	— 1.7	63	nw.	10	4.5	.....	0	3 s	.....	nw.	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.95	760.7	29.96	761.0	48.1	8.9	86	nw.	14	6.3	.....	0	hz.	.....	nw.	0	0	clear	William Daly.
Maginnis, Fort, Montana	29.59	650.0	30.09	764.3	28.4	— 2.0	37	nw.	4	1.8	.....	.....	10 k	.....	nw.	0	0	cloudy	F. Burke.
Marquette, Michigan	29.29	744.0	30.04	763.0	32.0	0.0	60	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.77	756.1	30.11	764.8	52.5	11.4	72	sw.	4	1.8	.....	5 cs	hz.	w.	.....	0	0	fair	D. T. Flannery.
Milwaukee, Wisconsin	29.18	741.2	29.95	760.7	40.0	4.4	80	ne.	5	2.2	.....	5 ck	0	nw.	.....	0	0	fair	S. W. Rhode.
Mobile, Alabama	30.13	765 3	30.17	766.3	53	11.7	76	n.	5	2.2	.....	8 k	2 s	nw.	nw.	0.04	1.0	cloudy	H. U. Jones.
Montgomery, Alabama	29.91	759.7	30.14	765.5	47.8	8.8	67	sw.	3	1.3	.....	7cs;ck	0	sw.	.....	0	0	fair	S. M. Leitzell.
Moorhead, Minnesota	29.13	739.9	30.16	766.1	31.0	— 0.6	88	n.	9	4.0	.....	3 cs	0	n	.....	0	0	clear	L. M. Dey.
Mt. Washington, N. H	22.78	578.6	29.19	741 4	16.8	— 8.4	89	nw.	88	39.4	.....	.....	fg.	.....	nw.	0.36	9.1	dense fog	E. A. Beals.
Nashville, Tennessee	29.53	750.0	30.11	764.8	43.5	6.4	78	sw.	1	0.4	.....	7 c	0	w.	.....	inap.	inap.	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.25	742 9	29.37	746.0	36.2	2.3	61	n.	8	3.6	.....	3 ck	0	n.	.....	inap.	inap.	clear	J. H. Sherman.
New London, Connecticut	29.26	743 2	29.31	744.5	36.0	2.2	69	w.	12	5.4	.....	2 c	3 s	w.	w.	0.09	2.3	fair	J. G. Lynch.
New Orleans, Louisiana	30.09	764.3	30.15	765.8	58.0	14.4	54	e	5	2.2	.....	7 cs	0	w.	.....	0	0	fair	M. Herman.
New York, New York	29.30	744.2	29.48	748.8	40.2	4.6	56	nw.	20	8.9	.....	1 c	3 s	nw.	nw.	inap.	inap.	fair	W. Finn.
Norfolk, Virginia	29.80	756.9	29.83	757.7	47.9	8.8	54	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	Wm. Davis.
North Platte, Nebraska	27.10	688.3	30.00	763.5	39.6	4 2	69	nw.	4	1.8	.....	0	3 s	.....	.....	0.06	1.5	clear	E. F. Brady.
Olympia, Washington Ter	30.15	765.8	30.19	766.8	37.0	2.8	89	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Dascomb
Omaha, Nebraska	28.87	733.3	30.08	764.0	42.0	5.6	90	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	A. Pollak
Oswego, New York	29.31	744.5	29.65	753.1	35.4	1.9	79	nw.	11	4.9	.....	6 cs	0	nw.	.....	0.01	0.3	fair	J. G. Linsley.
Palestine, Texas	29.00	751.8	30.10	766.1	43.2	6.2	92	ne.	8	3.6	.....	0	8 s	.....	ne.	0.01	0.3	cloudy	P. T. Jenkins.
Pensacola, Florida	30.12	765.0	30.15	765 8	54.7	12.6	63	n.	4	1.8	.....	3 cs	6 s	nw.	w.	0	0	cloudy	M. McGauran.
Philadelphia, Pa	29.47	748.5	29.60	751.8	42.0	5.6	65	nw.	20	8.9	.....	0	0	.....	.....	0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.70	449.6	29.98	761.6	0.0	—17.8	79	nw.	16	7.2	.....	0	0	.....	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.04	737.6	29.87	758.7	40.9	4.9	62	w.	7	3.1	.....	3 cs	0	nw.	.....	0	0	clear	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	30.2	2.3	87	.....	.....	.....	.....	0	8 s	.....	.....	0	0	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.12	739.6	29.82	757.4	35.3	1.8	79	nw.	8	3.6	.....	0	0	.....	.....	inap.	inap.	clear	M. H. Perry
Portland, Maine	28.98	736.1	29 03	737.3	38.6	3.7	85	n.	13	5.8	.....	.....	10 n	.....	n.	0.10	2.5	light rain	W. W. Eichelberger.
Portland, Oregon	30.15	765.8	30.22	767.6	41.0	5.0	89	w.	1	0.4	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	M. L. Hearne.
Prescott, Arizona	24.65	626.1	29.92	760.0	31.0	— 0.6	92	s.	1	0.4	.....	0	0	.....	.....	0	0	clear	J. Grover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. N. Kitchel.
Red Bluff, California	29.68	753.9	30.04	763.0	46.5	8.1	67	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.82	757.4	30.06	763.5	64.0	17.8	91	nw.	4	1.8	.....	.....	10 n	.....	.....	0.32	8.1	light rain	L. G. Schultz.
Rochester, N. Y	29.02	737.1	29.71	754.6	33	0.6	72	w.	19	8.5	.....	5 c	0	.....	.....	0.01	0.3	fair	E. W. McGann.
Roseburg, Oregon	29.60	751.8	30.16	766.1	43	6.1	85	n.	4	1.8	.....	.....	10 s	.....	w.	inap.	inap.	cloudy	J. J. Naury.
Sacramento, California	29.97	761.2	30.04	763.0	48.3	9.1	87	s.	7	3.1	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.48	748.8	30.11	764.8	48.3	9.1	63	w.	14	6.3	.....	0	sk.	.....	.....	0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.85	758.2	29.88	758.9	4.2	—15.4	100	sw.	16	7.2	.....	.....	10 s	.....	sw.	0	0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.14	740.1	30.02	762.5	39.0	3.9	65	n.	4	1.8	.....	1 cs	0	.....	.....	0	0	clear	P. F Lyons.
St. Vincent, Minnesota	29.38	746.2	30.29	769.4	28.7	— 1.8	80	n.	3	1.3	.....	0	5 ks	.....	n.	0	0	fair	C. B. Dilley.
Salt Lake City, Utah	25.66	651.8	30.03	762.7	39.3	4.1	57	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	J. Craig.
San Diego, California	29.95	760.7	30.02	762.5	50.1	10.1	91	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	F. R. Day.
Sandusky, Ohio	29.19	741.4	29.89	759.2	40	4.4	68	w.	8	3.6	.....	7 ck	0	w.	.....	0	0	fair	B. F. Hough.
Sandy Hook, New Jersey	29 46	748.3	29.49	749.0	40.6	4.8	68	nw.	36	16.1	.....	0	4 k	.....	nw	0	0	fair	V. P. Chappel.
Sanford, Florida	30.03	762.7	30.08	764.0	57.0	13.9	45	nw.	14	6.3	.....	0	0	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.99	761.7	30.06	763.5	50.6	10.3	92	sw.	3	1.3	.....	0	fg.	.....	.....	0	0	clear	N. Gorom.
Savannah, Georgia	29.98	761.5	30.07	763.8	51	10.6	44	w.	6	2.7	.....	3 c	hz.	w.	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.63	676.4	30.30	769.6	32.5	0.3	76	w.	2	0.9	.....	0	0	.....	.....	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.96	761.0	30.20	767.1	48.1	8.9	83	calm	0	0	.....	2 c	hz.	.....	.....	0	0	clear	E. N. Meekins.
Sitka, Alaska	30.00	762.0	30.06	763.5	43.7	6.5	83	se.	26	11.6	.....	.....	10 n	.....	se.	0.37	9.4	heavy rain	F. W. Fickett.
Smithville, North Carolina	29.95	760.7	29.99	761.7	45.8	7.7	48	nw.	8	3.6	.....	0	hz.	.....	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	28.18	715.8	30.24	768.1	34.7	1.5	77	ne.	1	0.4	.....	0	0	.....	.....	0.02	0.5	clear	D. Moore.
Springfield, Illinois	29.36	745.7	30.06	763.5	46.0	7.8	68	w.	8	3.6	.....	0	0	.....	.....	0	0	clear	W. Norrington.
Stockton, Fort, Texas	27.01	686.0	30.04	763.0	42.0	5.6	92	calm	0	0	.....	.....	10 s	.....	.....	0.34	8.6	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	30.19	766.8	30.28	769.1	44.2	6.8	91	e.	8	3.6	.....	0	0	.....	.....	0.01	0.3	clear	R. Connor.
Thomas, Camp, Arizona	27.22	691.4	29.95	760.7	47.2	8.4	93	w.	.....	.....	1	.....	10 s	.....	.....	.....	.....	threatening	R. C. Lord.
Toledo, Ohio	29.19	741.4	29.90	759.4	40	4.4	66	calm	0	0	.....	0	9 k;sk	.....	w.	0	0	cloudy	A. Buell.
Unalashka, Alaska	29.88	758.9	29.90	759.4	21	— 6.1	70	s.	6	2.7	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.93	760.2	30.19	766.8	47.3	8.5	73	nw.	4	1.8	.....	2 c	sk.	w.	.....	0	0	clear	F. W. Mixer.
Washington, D. C	29.64	752.8	29.76	755.9	45.7	7.6	45	nw.	14	6.3	.....	0	0	.....	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	26.12	663.4	30.07	763.8	33.5	0.8	87	w.	0	2.7	.....	0	2 k	.....	w.	0.03	0.8	clear	F. H. Brandenburg.
Wilmington, N Carolina	29.93	760.2	29.99	761.7	48.0	8.9	50	nw.	3	1.3	.....	0	hz.	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.77	730.7	30.11	764.8	35.7	2.1	87	nw.	4	1.8	.....	2 k	0	nw.	.....	0	0	clear	E. H. Thompson.
Yuma, Arizona	29.77	756.1	29.92	760.0	51.2	10.7	76	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear	W. S Delano.
Sub-series.																			
Behringsland, Kamchatka	29.94	760.5	29.96	761.0	21.7	— 5.7	.....	e.	4	1.8	.....	0	7 k	.....	.....	0.01	0.3	cloudy	George Cherutick.
Bluefields, Nicaragua, C. A	.....	.....	.....	.....	80	26.7	.....	ne.	.....	.....	2	2 c	3 k	.....	ne.	0.02	0.5	fair	W. P. Jackson.
Bogota, U. S. C	22.06	560.3	.....	.....	55.4	13.0	90	sw.	2	1	.....	1 ck	3 k	se.	sw.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.89	759 2	30.03	762.7	33	0.6	100	ne.	14	6.3	.....	.....	10 n	.....	se	0.09	2.3	light snow	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.08	764.0	76	24.4	73	n.	1	0.4	.....	0	1 s	.....	e.	0.01	0.3	fine	Robert Johnston.
Paramaribo, S. A	30.06	763.5	30.06	763.5	76	24.4	91	e.	.....	.....	3	.....	10 n	.....	e.	1.120	28.4	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.44	747.8	30.00	762.0	78	25.6	89	calm	.....	.....	0	.....	10 ks	.....	s.	0.27	6.9	cloudy	Francisco J. Olsuaga.
Rivas, Nicaragua, C. A	29.90?	759.4?	30.06?	763.5?	77	25.0	84	ne.	.....	.....	1	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A	29.83	757.7	29.90	759.4	—11.5	—24.2	75	sw.	9	4.0	.....	3 k	2 s	sw.	w.	0.03	0.8	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naôs, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.						
								Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	From.	From.	Inch.	Mill			
District No 1—North Atlantic.																	
S. S. Alvo, Aux Cayes, Hayti, W. I *	30.05	763.3	77	25.0		ese.			4		5		ese.	0	0			fine.
S. S. Alps, Mayagues, Porto Rico, W. I *†	30.04	763.0	82	27.8		e.			1		1		se.	0	0	sm'h	ne.	clear.
S. S. Anchoria, N. 43° 20′, W. 42° 57′						se.			3		7		se.	0	0	sm'h		fine.
S. S. Ailsa, N. 9° 42′, W. 81° 35′			80	26.7	91	n.			1		2		ne.	0	0	sm'h		fair.
S. S. Assyrian Monarch, N. 46° 57′, W. 26° 30′	29.45	748.0				nnw.			6		3		n.	4 h'r	4 h'r	mod.	nnw.	clear.
S. S. Bohemia, N. 49° 59′, W. 3° 00′						ssw.			3		9		ssw.	2 h'r	2 h'r	sm'h	sw.	hazy.
S. S Bothnia N. 50° 05′, W. 18° 44′	29.12	739.6	54	12.2		nne.			5		8		nne.	12 h'r	12 h'r	mod.	ne.	squally.
S. S. Britannic, Queenstown, Ireland *†	29.26	743.2	52	11.1		ese.			5		9		s.	4 h'r	4 h'r			rainy.
S. S. City of Washington, N. 38° 05′, W. 74° 30′			50	10.0		nw.			4		2		nw.	0	0	mod.	nw.	clear.
Bk. C. S. Bushnell, N. 36° 11′, W. 5° 18′	29.93	760.2				sw.			6		8		sw.	driz	driz.	sm'h		cloudy.
S. S. Cienfuegos, N. 38° 03′, W. 74° 33′	29.70	754.4	43	6.1		w.			6		1		nw.	0	0	large	w.	clear.
S. S. Canada, (Fr) N. 48° 49′, W. 22° 36′	29.15	740.5	46.4	8		nne.			5		5 k		nne.			large	n.	fair.
S. S. Denmark, N. 49° 54′, W. 5° 25′†	29.22	742.2	51.5	10.8	93	wsw.			4		4		calm	sh'rs	sh'rs	mod.	wsw.	fair.
S. S. E. B. Sutton, N. 39° 42′, W. 38° 05′*†	29.85	758.2	61	16.1	77	ene.			3		2		ne	0	0	long	h'vy	fine.
S. S. Elbe, N. 41° 13′, W. 65° 56′	28.50	734.0	35.6	2		wsw.			7		10		wsw.	12 h'r	12 h'r	r'gh	wsw.	rainy.
S. S. Eider, N. 40° 41′ W. 59° 32′*	29.07	738.4	48.2	9.0		sw.			7		6		sw.	7 h'r	7 h'r	high	s. sw	squally.
S. S. Frisia, N. 41° 32′, W. 52° 45′	29.28	743.7	61.2	16.2		sw.			6		6		wsw.	4 h'r	4 h'r	hv'y	wsw.	fair.
S. S. Fulda, N. 51° 59′, E. 2° 44′	29.63	752.6	50.5	10.3	95	se.			4		7		se.	0	0	mod.	se.	fair.
S. Henry Failing, N. 45° 53′, W. 23° 13′ *†	29.21	741.9	53	11.7		nw.			7		7		nw.	0	0	cross		rainy.
S. S. Helvetia, N. 51° 09′, W. 14° 43′	29.06	738.1	52	11.1	93	e			0		4		ese.	0	0	mod.	e.	fair.
Bk. Heinrich & Tonio, N. 40° 55′, W. 63° 12′†	28.67	728.2	40	4.4	91	w.			5		10			10 h'r	10 h'r	mod.	w.	rainy.
S. S. Lord Clive, N. 42° 56′, W. 42° 36′						sse.			4		4		s.	0	0	mod.	ene.	fine.
Bg. L & W. Armstrong, N. 23° 38′, W. 68° 25′	29.98	761.5				wsw.			3		1		sw;w.	0	0	mod.	nnw.	fine.
S S. Llandaff City, N. 45° 39′, W. 39° 20′	29.90	759.4	50	10 0		nnw.			3		8		nw.	0	0	sm'h		dull.
Schr. Maggie Abbott, N. 34° 20′, W. 68° 30′ *†	29.55	750.6				nw.			9		8		nw.			cross		cloudy.
S. S. Madrid, N. 35° 12′, W. 62° 16′ †	29.33	745.0	58	14.4	100	wsw.			8		5		wsw.	7 h'r	7 h'r	r'gh	w.	raining.
S. S. Main, N. 46° 27′, W. 33° 55′	29.82	757.4	48.2	9.0		nw.			4		5		n.	0	0	mod.	nw.	fair.
S. S. Marengo, N. 48° 30′, W. 23° 18′			55	12.8		n.			6		2		n.	2 h'r	2 h'r	mod.	ne.	squally.
S. S. Normandie, N. 41° 21′, W. 47° 08′			59.0	15.0		sw.			5		9	sw.	se.	4 h'r	4 h'r	h'vy	sw.	
S. S. Oregon, (Br.) Belfast Lough, Ireland	29.36	745.7	40	4.4		s.			1		9		sw.	4 h'r	4 h'r			fine.
S. S. Olbers, N. 7° 09′, W. 46° 00′	30.04	763.0	78	25.6	86	ne.			6		7					3	ne.	d. clouds.
S. S. Rosse, N. 27° 42′, W. 64° 52′	29.86	758.4	71	21.7	66	wnw.			6		0			0	0	h'vy		fine.
S. S. Rhaetia, N. 49° 55′, W. 6° 55′	29.16	740.7	48	8.9		sse.			5		6		se.	rain	rain	mod.	se.	squally.
S. S. State of Nebraska, N. 46° 10′, W. 37° 34′ *†	29.91	759.7	46	7.8		nne.			4		9		e.	0	0	sm'h		cloudy.
S. S. Scythia, N. 44° 50′, W. 43° 43′	29.87	758.7	55	12.8	93	se.			4		9?		var.	0	0		n.	clear.?
Bk. Tuck Sing, N. 35° 54′, W. 73° 21′ *†	29.65	753.1				nw.			6					0	0	h'vy	nw.	cloudy.
S. S. Valencia, N. 13° 20′, W. 68° 01′ †	30.06	763.5	79	26.1	86	e.			4		4		ne.	0	0	mod.	e.	fair.
S. S. Vaderland, N. 49° 52′, W. 8° 40′	29.19	741.4	55	12.8		s.			4		5		sw.	6 h'r	6 h'r	sm'h		squally.
S. S. Virginian, N. 50° 07′, W. 21° 25′			50	10.0		nw.			4				nnw.	1 h'r	1 h'r	mod.	nnw.	showery.
S. S. Wieland, N. 40° 30′, W. 68° 20′	29.01	736.8	43	6.1		nw.			6		10		nnw.	2 h'r	2 h'r	long	nnw.	squally.
S. S. Westernland, N. 46° 07′, W. 33° 52′	29.78	756.4	50	10.0	79	n.			4		9		nne.	3 h'r	3 h'r	long	nne.	cloudy.
S. S. Waesland, Antwerp, Belgium	29.71	754.6	63	17.2		ese.			3		5		ese.	0	0			fair.
S. S. Lessing, N. 48° 46′, W. 20° 16′	29.13	739.9	54	12.2		s.			6		6		s.	1 h'r	1 h'r	r'gh	s.	fair.
Bk. Alpha, N. 19° 18′, W. 59° 10′ *†	30.08	764.0	78	25.6		sse.			3		2		se.	0	0	sm'h		clear.
Schr. Adda Doane, N. 23° 12′, W. 73° 45′ †	29.97	761.2				wnw.			1		3		w.	0	0	sm'h		clear.
S. S. America, Baltimore, Md			45	7.2		nw.			4		4		nw.	0	0			fair.
S. S. Andes, N. 30° 02′, W. 69° 18′			69	20.6		w.			3		2		w.			mod.	w.	clear.
S. S. British Princess, N. 39° 58′, W. 63° 02′						wsw.			7		10			3 h'r	3 h'r	high	wsw.	overcast.
S. S. Caracas, N. 37° 46′, W. 72° 52′ *†	29.60	751.8				nw.			9		9			0	0	r'gh	nw.	clear.
S. S. Chalmette, N. 28° 00′, W 87° 50′ †	30.16	766.1	66	18.9		ne.			3		2		ne.	0	0	mod.	nw.	clear.
Bk. Esmeralda, N. 55° 42′, W. 8° 30′	29.33	745.0				s.			5		6	se.	s.	6 h'r	6 h'r	long	n.	hazy.
S. S. Erin, N. 44° 32′, W. 36° 28′	29.88	758.9	50	10.0		n.			4		10		n.	2 h'r	2 h'r	sl't	ne.	cloudy.
S. S. England, N. 40° 45′, W. 56° 43′	29.09	738.9				sw.			3		8		sw.	sh'rs	sh'rs	h'vy	con.	fair.
S. S. Foscolla, N. 48° 39′, W. 9° 32′ †	29.08	738.6	62	16.7		sw.			5		8		wsw.	4 h'r	4 h'r	cross	s;sw.	fine.
S. Grecian, N. 42° 17′, W. 44° 49′	29.73	755.1	63	17.2	83	s.			3		10		sw.	0	0	sm'h		cloudy.
S. S. Habsburg, N. 36° 55′, W. 75° 05′	29.74	755.4				wnw.			4		1		wnw.	0	0	mod.	wnw.	clear.
Bk. Idaho, N. 23° 51′, W. 70° 37′ *†	30.05	763.3				wnw.			3		1		nw.	0	0	mod.	sw	hazy.
S. S. Italy, N 49° 23′, W. 12° 36′*	28.91	734.3	52	11.1	86	calm			0		8		e.	2 h'r	2 h'r	sm'h	con.	cloudy.
Bg. Lilian, N 27° 50′, W. 61° 20′†	29.85	758.2				w.			6		10		w.	1 h'r	1 h'r	r'gh	var.	cloudy.
S. S. Muriel, St. Lucia, W. I	30.01	762.2	78	25.6		e.			2		0			0	0	sm'h		clear.
S. S. Neckar, N. 44° 02′, W. 37° 50′	29.87	758 7	51.8	11.0		ne.			3		7		ne.	1 h'r	1 h'r	sm'h	e.	fair
S. S. New York, N 34° 21′, W. 76° 30′			54	12.2		wnw.			6		3		w.			mod.	sw.	clear.
S. S. Pennsylvania, Philadelphia, Pa †	29.61	752.1	40	4.4	73	nw.			4		4		nw.	0	0			clear.
S. S. Prussian, N. 42° 29′, W. 56° 31′			44	6.7		se.			4		6		s.	4 h'r	4 h'r	r'gh	s.	fair.
Bk. Tros, N. 20° 58′, W. 56° 14′	30.04	763.0	76	24.4		s.			3		1		sse.	0	0	mod.	n.	clear.
S. Tsernogora, N. 36° 30′, W. 67° 00′ *†	29.30	744 2				wnw.			8		5		wnw.	rain	rain	h'vy	cross	h'vy squalls
S. S. Werra, N. 49° 57′, W. 8° 36′*	29.12	739.6	50.0	10.0		ssw.			6		10		sw.	2 h'r	2 h'r	r'gh	ssw.	raining.
U. S. S. Alliance, N. 16° 00′, W. 65° 14′	30.11	764.8	77	25.0	77	ene.			2		2		e.	c	o	sm'h		fair.
U. S. S. Galena, N. 18° 22′, W. 75° 04′ *	30.03	762.7	79	26.1	70	ne.			1		2		ne.			sm'h		fair.
U. S. S. Jamestown, N. 14° 37′, W. 61° 32′	30.11	764.8	76	24.4	77	e.			3		5		e.			sm'h		fair.
U. S. S. Kearsarge, Jaffa, Syria	30.01	762.2	66	18.9	68	w.			4		2		w.			mod.	w.	fair.
U. S. S. Lancaster. Jaffa, Syria	29.95	760.7	63	17.2	78	wsw.			3		2		wsw.			long	wsw.	fair.
U. S. S. Portsmouth, St. Thomas, W. I	30.06	763.5	77	25.0	95	se.			1		2		se					clear.
U. S. S. Quinnebaug, Tunis, Tunis	29.93	760.2	66	18.9	54	w.			1		2		w.					fair.
U. S. S Saratoga, Lisbon, Portugal	29.59	751.6	58	14.4	94	sw.			6–7		10		sw.	h'vy	h'vy	sm'h		overcast.
U. S. S. Swatara, Key West, Fla	30.05	763.3	74	23.3	81	nw.			2–3		0			0	0	sm'h		clear.
U. S. S. Vandalia, off Key West, Fla	30.07	763.8	72	22.2	71	nnw.			2		2		calm					fair.
U. S. S. Yantic, Port Nipe, Cuba, W. I	30.09	764.3	75	23.9	95	sw.			1		2							clear.
H. M. S. Alexandra, N. 35° 29′, E. 24° 05′	29.85	758 2	67	19.4	64	w.			4		3		wnw.					d. clouds.
H. M. S. Alecto, N. 5° 06′, W. 1° 14′	29.88	758.9	85	29.4		w.			1		4					3	ssw.	d. clouds.
H. M. S. Inflexible, N. 36° 02′, E. 15° 04′			62	16.7	94	sw.			4		1		sw.			1	sw.	blue sky.
H. M. S. Minotaur, Phalerum Bay, Greece	29.73	755.1	65	18.3	63	w.			4		6		wnw.					d. clouds.
H. P. M. S. Bengo, N. 12° 31′, W. 16° 09′	29.98	761.4	80.6	27.0	69	ne.			2		0			0	0	1		blue sky.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.91	759.8	88.7	31.5	72	n			1		9		ne.	0	0	2	n.	d. clouds.
S. S. British Crown, N. 50° 56′, W. 15° 08′	29.05	737.9	47	8.3		nnw.			4		7		nnw.	0	0	mod.	n.	
S. S. Lord Gough, N. 44° 19′, W. 37° 28′			50	10.0		nnw.			4		8		nnw.	0	0	mod.	nnw.	cloudy.
S. S. Ohio, (Am) N. 39° 46′, W. 58° 16′			57	13.9	94	w.			9		10		w.	7 h'r	7 h'r	h'vy	w.	overcast.
S. S. Scandinavian, N. 54° 11′, W. 15° 37′	29.28	743.7	49	9.4		nne.			4		3		nne.	0	0	mod.	n.	d. clouds.
S. S. Dorian, N. 36° 25′, W. 4° 45′	29.91	759.7	60	15.6		var.					10		w.	sl't	sl't	sm'h		cloudy.
S. S. Westphalia, Hamburg, Germany			59	15.0		se.			2		2		se.	0	0			clear.
S. S. Moravia, N. 41° 38′, W. 50° 42′						s.			4–6		10		s.	12 h'r	12 h'r	r'gh	s.	foggy.
S. S. Hevelius, N. 47° 45′, W. 8° 00′†	29.19	741.4	54	12.2		sse.			5		8		sw.	6 h'r	6 h'r	sm'h		cloudy.
S. S. Archimede (It), Marseille, France†	29.79	750.7	64	17.8		sw.			3		2		sw.	3 h'r	3 h'r			clear.
S. S. Baltimore, N. 39° 52′, W. 51° 20′			60.8	16.0		sw.			5		5		sw.	0	0	h'vy	ssw.	fair.
S. S. City of Augusta, Savannah, Ga						wnw.			4		3		wnw.	0	0			clear
S. S. Rhynland, N. 40° 25′, W. 72° 35′	29.32	744 7	38	3.3	90	nw			5		0			6 h'r	6 h'r	cross	nw.	clear.
S. S. Penniand, Antwerp, Belgium			60	15.6	71	ese.			2		1		se.	0	0			clear.
S. S. Amsterdam, Amsterdam, Holland			55.0	12.8	86	ssw.			3		3		se.	0	0			fair.
S. S. Zaandam, N. 40° 00′ W. 64° 13′			55.4	13.0	85	w.			6		8		w.	10 h'r	10 h'r	h'vy	w.	cloudy.
S. S. Maasdam, N. 44° 41′, W. 27° 58′*	29.47	748.5	60	15.6	76	nnw.			4		4?		nnw.	¼ h'r	¼ h'r	4	nnw.	cloudy.?
S. S. Saxon, Boston, Mass						n.			2		10			light	light			raining.
S. S. Baltic, N. 40° 57′, W. 68° 24′						wnw.			7		10		w.	snow	snow	high	wnw.	covered.
S. S. Salerno, N. 42° 14′, W. 70° 30′	29.15	740.4	39	3.9		nw.			6		10		nw.	1.0	25.	mod.	nnw.	overcast.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Iowa, N. 47° 11′, W. 30° 58′†	29.76	755.9	50	10.0	.....	n.	.....	.....	4	.....	6	.....	n.	3 h'r	3 h'r	mod.	n.	fair.
Bg. Alcira. N. 22° 40′, W. 63° 49′	30.00	762.0	75	23.9	.....	sw.	.....	.....	2	.....	2	.....	sw.	0	0	long	nw.	clear.
S. S. Antonio Lopez, Havana, Cuba, W.I	30.09	764.3	71	21.7	95	calm	.....	.....	0	.....	2	.....	.....	0	0	.....	.....	hazy.
Schr. Arthur Burton, Ponce, Porto Rico, W.I†	30.07	763.8	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	ne.	0	0	sm'h	.....	fine.
Schr. Annie R. Lewis, N. 22° 47′, W. 61° 45′†	30.05	763.3	78	25 6	.....	sw.	.....	.....	4	.....	2	.....	w.	0	0	mod.	ene.	clear.
Schr. Annie A. Holton, N. 33° 31′, W. 70° 13′*†	29.67	753 6	60	15.6	.....	wnw.	.....	.....	9	.....	10	.....	wnw.	0	0	h'vy	wnw.	cloudy.
Schr. Aureola, N. 32° 49′, W. 33° 21′†	29.95	760.7	62	16.7	94	nw.	.....	.....	7	.....	5	.....	nw.	5 h'r	5 h'r	h'vy	var.	fair.
Bk. Achsah, N. 15° 57′, W. 62° 40′†	30.07	763.8	80	26.7	.....	ene	.....	.....	4	.....	2	.....	ene.	0	0	mod.	ene.	clear.
Bk. Adelaide, N. 0° 15′, W. 39° 28′*†	29.99	761.7	85	29.4	.....	e.	.....	.....	4	.....	1	.....	ene.	3 h'r	3 h'r	mod.	ene.	clear.
Schr. Abbie H. Gheen, N. 37° 00′, W. 73° 30′*†	29.60	751.8	52	11.1	.....	wnw.	.....	.....	9	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
S. S. Bracadale, N 32° 10′, E. 30° 10′	.....	.....	68	20.0	.....	wsw.	.....	.....	3	.....	0	.....	.....	0	0	light	wsw.	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	78	25.6	.....	ne.	.....	.....	4	.....	10	.....	ne.	1 h'r	1 h'r	.....	.....	cloudy.
Bk. Cato, N. 47° 46′, W. 7° 50′†	29.23	742.4	55	12.8	84	s.	.....	.....	3	.....	5?	.....	ssw.	3 h'r	3 h'r	long	ssw.	cloudy.?
S. Cornelius, N. 33° 57′. W. 18° 01′*†	29.70	754.4	63.5	17.5	.....	ssw.	.....	.....	9	.....	9	.....	nw.	0	0	h'vy	nw.	hazy.
Schr. Edith R. Seward, N. 33° 45′, W. 69° 50′	.....	.....	58	14.4	.....	wnw.	.....	.....	7	.....	7	.....	wnw.	¼ hr	¼ hr	h'vy	wnw.	cloudy.
U.S. Fish Com S.S. Fish Hawk, Savannah, Ga †	30.01	762.2	54	12.2	.....	nw.	.....	.....	7	.....	4	.....	nw.	0	0	sm'h	.....	fair.
S. Ismir, N. 0° 41′, W. 36° 56′	.....	.....	.....	.....	.....	nne.	.....	.....	1	.....	6	.....	nne.	1 h'r	1 h'r	long	se.	fair.
Bg. George. N 23° 15′, W. 68° 48′*†	30.05	763.3	.....	.....	.....	wsw	.....	.....	2	.....	2	.....	.....	0	0	short	nnw.	smoky.
S. Grecian, N. 37° 34′, W. 36° 40′†	29.90	759.4	61	16.1	77	n.	.....	.....	4	.....	5	.....	n.	rain	rain	mod.	e.; w	fair.
Bk. Galeon, N. 13° 06′, W. 46° 21′†	30.08	764.0	76	24.4	.....	ene.	.....	.....	5	.....	3	.....	ene.	0	0	.....	.....	blue sky.
S. Hedwig, N. 44° 34′, E. 13° 42′	29.76	755.8	57.4	14.1	90	s.	.....	.....	2	.....	9	.....	s.	0	0	1	sw.	overcast.
Bk. Hattie G. McFarland, N. 17° 26′, W. 82° 14′	.....	.....	77	25.0	.....	ene.	.....	.....	4	.....	4	.....	e.	0	0	sm'h	e.	fine.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	87	30.6	.....	wnw.	.....	.....	1	.....	5	.....	wnw.	0	0	.....	.....	fair.
Schr Jennie N. Huddell, Smith's Island, Va†	29.88	758.9	50	10.0	.....	wnw.	.....	.....	7	.....	5	.....	.....	0	0	sm'h	.....	clear.
Bg. John Wesley, sagua la Grande, Cuba, W. I *†	30.06	763.5	.....	.....	.....	sw.	.....	.....	7	.....	7	.....	.....	.....	.....	.....	.....	hazy.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†.	30.07	763.8	.....	.....	.....	ne.	.....	.....	1	.....	4	.....	w.	c	0	.....	.....	clear.
Schr. John Bird, Zaza, W.I *†	30.05	763.3	.....	.....	.....	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	fine.
Schr. Jenny Greenbank, Orinoco river, Venezuela *..	30.02	762.5	78	25.6	.....	ene.	.....	.....	1	.....	.....	.....	ene.	0	0	.....	.....	fine.
Schr. Jennie R. Morse, off Smithville, N.C†	30.03	762.7	.....	.....	.....	ene.	.....	.....	3	.....	5	.....	ene.	½ h'r	½ h'r	.....	.....	fair.
S. S. Mendoza, N. 18° 47′, W. 57° 10′	.....	.....	.....	.....	.....	nw.	.....	.....	4	.....	0	.....	.....	0	0	mod.	sw.	clear.
Schr. Martinique, N. 37° 24′, W. 72° 34′	.....	.....	.....	.....	.....	se.	.....	.....	1	.....	.....	.....	.....	0	0	long	nw.	clear.
Bg. Rising Sun, N. 21° 58′, W. 57° 25′ †	30.08	764.0	75	23.9	.....	nw.	.....	.....	7	.....	.....	.....	.....	0	0	h'vy	nw.	fair.
Bk. Rosalie, N. 25° 50′, W. 31° 44′*†	30.03	762.7	.....	.....	.....	sw.	.....	.....	4	.....	2	.....	se.	0	0	mod.	ssw.	
Bkt. Rosebud, N. 33° 43′, W. 17° 20′ *	29.61	752.1	62	16.7	.....	sw.	.....	.....	8	.....	2	.....	ssw.	.....	.....	.....	.....	clear.
S. Salisbury, N. 40° 09′, W. 47° 05′	29.58	751.3	63.7	17.6	94	se.	.....	.....	8	.....	5	.....	sw.	.....	.....	h'vy	w.	gale.
Bk. Saga, N. 32° 13′, W. 57° 08′†	29.71	754.5	68	20.0	.....	.....	.....	.....	7	.....	10 kn	.....	se.; w.	10 h'r	10 h'r	cross	var.	cloudy.
Bk. Sunbeam, Lisbon, Portugal†	29.57	751.1	61	16.1	94	sw.	.....	.....	8–9	.....	7	.....	.....	4 h'r	4 h'r	9	.....	fair.
Bgt. Sunlight, N. 35° 05′, W. 70° 01′†	29.49	749.0	.....	.....	.....	wnw.	.....	.....	9	.....	10	.....	sw.	10 h'r	10 h'r	.....	.....	rainy.
S. Stephen D. Horton, N. 42° 47′, W. 48° 15′	.....	.....	.....	.....	.....	sse.	.....	.....	9	.....	9	.....	wnw.	2 h'r	2 h'r	h'vy	wnw.	gale.
Bk. Sirius, N. 57° 57′, W. 39° 25′*	29.98	761.5	.....	.....	.....	n.	.....	.....	6	.....	10	.....	sse.	6 h'r	6 h'r	mod.	sse.	drizzling.
Schr. Viola Reppard, sagua la Grande, Cuba, W.I†	30.12	765.0	78	25.6	.....	calm	.....	.....	5	.....	5	.....	n.	rain	rain	sm'h	.....	hazy.
									0	.....	3	.....	calm	0	0	.....	.....	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.82	757 4	69	20.6	90	w.	5	2.2	.....	.....	2	.....	calm	0	0	.....	.....	fair.
U. S. S. Pensacola, S. 6° 31′, W. 22° 39′†	30.00	762.0	83	28.3	79	ese.	.....	.....	3	.....	8	.....	ese.	0	0	sm'h	.....	cloudy.
U. S. S. Shenandoah, S. 30° 37′, E. 55° 48′*	30.17	766.3	63	17.2	94	se.	.....	.....	3	.....	2	.....	calm	.....	.....	sm'h	se.	fair.
H. M. S. Amethyst, Montevideo, Uruguay	30.03	762.7	67.2	19.6	78	se.	.....	.....	3	.....	7	se.	.....	.....	.....	1	se.	d. clouds.
H. M. S. Bonaicea, S. 31° 20′, E. 17° 02′	30.00	762.0	58	14.4	.....	se.	.....	.....	1	.....	.....	.....	.....	.....	.....	3	sse.	foggy.
H. M. S. Sylvia, S. 38° 44′, W. 35° 40′	30.06	763.5	58.2	14.6	77	s.	.....	.....	2	.....	6	se.	.....	.....	.....	2	se.	d. clouds.
Bk Achille F., S. 15° 15′, W. 34° 15′*†	30.02	762.5	84	28.9	81	ne.	.....	.....	4	.....	7	.....	nne.	0	0	sm'h	.....	
Bk. Bore, S. 1° 47′, W. 20° 01′*†	30.03	762.7	87	30.6	.....	se.	.....	.....	1	.....	1	.....	se.	0	0	.....	.....	clear.
S Frank N. Thayer, S. 18° 35′, W. 26° 27′*	29.88	758.9	83	28.3	71	n.	.....	.....	2	.....	2 k	.....	.....	.....	.....	sm'h	.....	blue sky.
S. Gatherer. S. 23° 48′, W. 39° 55′ †	29.93	761.5	74	23.3	100	ese.	.....	.....	1	.....	.....	.....	se.	1 h'r	1 h'r	.....	.....	cloudy.
Bkt. Levanter, S. 12° 28′. W 36° 07	30.00	762.0	84	28.9	.....	calm	.....	.....	0	.....	9	.....	e.	0	0	light	e.	clear.
S. Ringleader, S. 0° 30′, W. 27° 53′†	29.85	758.2	84	28.9	71	nw.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	clear.
S. S. Strassburg, S. 22° 25′, W. 39° 59′	30.05	763.3	76.5	24.7	75	ese.	.....	.....	4	.....	3	.....	calm	5 h'r	5 h'r	sm'h	.....	misty.
Bk. Xenia, S. 13° 30′, W. 29° 52′ *†	30.08	764.0	83	28.3	.....	ene.	.....	.....	4	.....	10	.....	ene.	3 h'r	3 h'r	4	se.	squally.
H.P.M.S.Rainha de Portugal, Mossamedes, Benguela.	29.86	758.4	75.0	24.2	86	wnw.	.....	.....	3	.....	4	.....	ene.	0	0	sm'h	se.	clear.
									4	.....	2	.....	.....	0	0	2	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska†	30.08	764 0	45	7.2	76	ene.	.....	.....	6	.....	10	.....	.....	.....	.....	.....	.....	light rain.
U. S. Naval Hospital, Yokohama, Japan	.....	.....	49.5	9.7	71	ssw.	.....	.....	1	.....	2	.....	w.	0	0	.....	.....	clear.
U. S. S. Alert, Shanghai, China	.....	.....	53	11.7	80	se.	.....	.....	1	.....	5	.....	.....	.....	.....	.....	.....	fair.
U. S. S. Essex, N. 27° 50′, E. 160° 52′	30.33	770.4	66	18.9	94	ne.	.....	.....	5	.....	8	.....	wsw.	.....	.....	mod.	ssw.	cloudy.
U. S. S Juniata, Saleo river, Corea	29.97	761.2	50	10.0	79	e.	.....	.....	1	.....	8	.....	.....	0	0	.....	.....	cloudy.
U. S. S. Monocacy, Canton river, China	29.94	760.5	65	18.3	89	ese.	.....	.....	1	.....	8	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Richmond, Hong Kong, China	29.93	760.2	65	18.3	100	w.	.....	.....	1	.....	10	.....	light	light	.....	.....	.....	foggy.
H. M. S. Audacious, Hong Kong, China	29.87	758.7	65	18.3	94	wnw.	.....	.....	1	.....	10	.....	.....	2.1	53.	.....	.....	showery.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	.....	.....	54	12.2	87	sw.	.....	.....	1	.....	7	e.	.....	.....	.....	sm'h	.....	blue sky.
H. M. S. Flying Fish, N. 25° 58′, E. 119° 27′	29.87	758.7	59	15.0	69	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	misty.
H. P. M. S. Tamega, Macao, China	29.96	760.9	68.0	20.0	86	ne.	.....	.....	2	.....	9	.....	.....	8 h'r	8 h'r	.....	.....	drizzling.
U. S. S. Palos, Shanghai, China	29.82	757.4	54	12.2	74	sw.	.....	.....	1	.....	2	.....	calm	.....	.....	.....	.....	fair.
S S. Arabic, N. 27° 47′, E. 174° 55′*†	30.30	769.6	68	20.0	89	e.	.....	.....	4	.....	10	.....	ese.	rain	rain	mod.	ese.	misty.
S. S. City of Chester, Eureka, Cal †	30.09	764.3	42	5.6	100	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	
S. S. Oregon, Portland, Oregon†	30.20	768.6	47	8.3	85	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. Oceanic, N. 27° 45′, E. 123° 53′	29.87	758.7	65	18.3	94	s.	.....	.....	5	.....	9	.....	s.	8 h'r	8 h'r	4	s.	cloudy.
S. S. Willamette, N. 48° 00′. W. 124° 50′†	30.30	769 6	48	8.9	85	calm	.....	.....	0	.....	0	.....	.....	0	0	long	wnw	clear.
S. S. Alameda, N. 28° 00′ W. 147° 13′ †	30.16	766.1	62	16.7	.....	nw.	.....	.....	5	.....	9	.....	.....	.....	.....	r'gh	wnw.	fair.
S. S State of California, San Francisco, Cal†	30.05	763.3	46	7.8	100	w.	.....	.....	3	.....	3	.....	nnw.	rain	rain	.....	.....	fair.
S. S. City of Pekin, N. 26° 47′, E. 123° 31′ †	29.85	758.2	67	19.4	100	s.	.....	.....	2	.....	5	.....	w.	0	0	.....	.....	cloudy.
S. S. City of Rio de Janeiro. N 32° 09′, W. 146° 45′†	30.03	762 7	50	13.3	.....	nw.	.....	.....	3	.....	10	.....	sw.	0	0	mod.	s.	cloudy.
S. S. Colima, N. 28° 03′ W. 116° 00′†	30.03	762.7	61	16.1	71	nw.	.....	.....	6	.....	8	.....	nw.	.....	.....	large	nw.	cloudy.
S. S. Granada, Punta Arenas, Costa Rica †	29.99	761.7	70	24.4	86	calm	.....	.....	2	.....	4	.....	nw.	0	0	mod	nw.	clear.
S. S. San Blas, N. 7° 50′, W. 79° 47′	.....	.....	74	23.3	100	n.	.....	.....	0	.....	0	.....	.....	0	0	light	.....	hazy.
S. S. Benalder, Saigon, Cochin, China	29.94	760.5	82	27.8	79	e.	.....	.....	5	.....	0	.....	.....	0	0	mod.	n.	clear.
									3	.....	0	.....	.....	.....	.....	.....	.....	clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Iquique, Peru	30.04	763 0	62	16.7	88	ssw.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.98	761.5	72	22.2	80	se.	.....	.....	2	.....	10	.....	s.	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao, Peru *†	30.08	764.0	72	22.2	90	se.	.....	.....	1	.....	10	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Pinta, S. 34° 46′, W. 72° 42′	30.08	764.0	63	17.2	83	s.	.....	.....	2	.....	5	.....	s.	.....	.....	sm'h	.....	fair.
U. S. S. Wachusetts, Valparaiso, Chili	30.03	762.7	59	15.0	94	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	overcast.
H. M. S. Nelson, Sydney, N.S.W.	30.07	763.8	67	19.4	90	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Sappho, Coquimbo, Chili	30.09	764 3	60	15.6	100	n.	.....	.....	1	.....	5	n.	.....	.....	.....	.....	.....	misty.
S. S. Australia, S. 28° 51′, W. 178° 47′*	30.00	762.0	68	20.0	79	.....	.....	.....	5	.....	4	.....	.....	0	0	.....	.....	
S. S City of Sydney, S. 24° 16′, W. 175° 39′*†	30.06	763.5	74	23.3	81	e.	.....	.....	3	3 c	6 k	.....	e.	.....	.....	h'vy	se.	fair.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 15° 10′, E. 73° 22′	29.81	757.2	83	28.3	100	sw.	.....	.....	3	.....	8	.....	sw.	.....	.....	sm'h	.....	fair.
H. M. S. Euryalus, Massuah, Abyssinia	29.79	756.7	82	27.8	83	ne.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S. 10° 48′, E. 92° 24′	29.89	759.2	80.5	26.9	75	sse.	.....	.....	2	.....	8	ese.	.....	.....	.....	3	se.	d. clouds.
H. M. S. Myrmidon, Suakin, Egypt	29.88	758.9	72	22.2	85	nne.	.....	.....	3	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
S. J. W. Gildemeister, S. 12° 20′, E. 97° 00′	29.91	759.7	80.6	27	80	se.	.....	.....	4–5	5 ck	.....	.....	.....	1 h'r	1 h'r	4	se.	showery.
Bk. Nouva Margherita, S. 7° 11′, E. 104° 41′*†	29.80	756.9	.....	.....	.....	wsw.	.....	.....	1	.....	.....	.....	sw.	rain	rain	long	sw.	cloudy.
S. Orealia, N. 5° 15′, E. 83° 15′ *	29.82	757.4	.....	.....	.....	e.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Lepanto, Suez Canal, Egypt	29.90	759.4	60	15.6	.....	w.	.....	.....	5	.....	4	.....	w.	0	0	.....	.....	clear.

International Chart I. April 4, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War:
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 5, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.91	759.7	70.2	21.2	61	e.	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	29.91	759.7	68.0	20.0	58	n.	.....	.....	2	.....	0	.....	.....	Imap.	Imap.	clear	Thève
La Calle	.....	.....	29.93	760 3	74.5	23.6	62	ne.	.....	.....	1	.....	2	.....	.....	0	0	fair	Fonfrède.
Tunis	.....	.....	29.95	760.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.98	761.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.03	762.7	77.4	25.2	.....	nw.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Abraham.
Biskra	.....	.....	30.06	763 6	68.4	20.2	66	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.34	770.6	57.0	13.9	70	se.	7	3.1	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.03	0.8	.....	Com. J. Shortt, R.N.
Melbourne, Victoria	30.10	764.5	30.20	767.1	57.0	13.9	85	sse.	8	3.6	.....	.....	10	.....	.....	0	0	dull	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29 30	744.1	29.84	757.9	58.6	14.8	34	ne.	.....	.....	3	.....	0	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.05	737.9	29.53	757.6	44.2	6.8	52	nw.	3.1	1.4	.....	.....	10	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	28.89	733.7	29.77	756.2	47.1	8.4	39	n.	.....	.....	5	.....	9 ks	.....	s.	0	0	.....	Julius Mikolik.
Gratz	28.60	726.5	29.84	757.9	55.9	13.3	36	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	Andreas Rosthi.
Hermannstadt	28.32	719.3	29.77	756.2	41.4	5.2	48	nw.	.....	.....	4	.....	10	.....	.....	0.024	0.6	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.44	722.4	29.77	756.2	53.2	11.8	45	ese.	.....	.....	4	.....	2	.....	.....	0	0	clear	The Staff.
Lemberg	28.72	729.5	29.74	755.3	35.1	1.7	78	ne.	.....	.....	2	.....	10	.....	.....	0.102	2.6	.....	Dr. T. Stanecki.
Pola	29.75	755.6	29.86	758.4	57.6	14.2	83	wnw.	.....	.....	2	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29 22	742.3	.....	.....	45.3	7.4	37	n.	.....	.....	5	.....	9	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.57	751.1	29.85	758.3	50.7	10.4	38	n.	.....	.....	2	.....	3	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.76	756.0	29.86	758.5	59.7	15.4	77	w	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
Vienna	29.18	741.1	29.90	759.4	50.4	10.2	39	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	54.9	12.7	72	sw.	.....	.....	4	.....	5	.....	.....	.....	.....	raining	
Brussels	29.26	743.3	29.46	748.2	57.7	14.3	69	s	.....	.....	4	.....	10	.....	sw.	0	0	.....	
Furnes	29.38	746.3	29.40	746.8	51.8	11.0	92	ese.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Maeseyck	29.43	747.4	29.55	750.6	55.2	12.9	86	se.	.....	.....	2	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.20	741.7	29.30	744.2	47.0	8.3	88	se	25	11.2	.....	.....	2	.....	.....	0	0	blue sky	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29 20	741.7	55.0	12.8	61	sse.	27	12.1	.....	.....	5	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	28.72	729.5	29.24	742.7	57.3	14.1	42	se.	18	8.0	.....	.....	9	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	28.88	733.5	29.28	743.7	53.1	11.7	67	s.	.....	.....	4	.....	8	.....	.....	0.25	6.3	overcast	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.98	761 5	30.01	762.2	81.6	27.6	66	ne.	.....	.....	4	.....	2	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E.	29.21	741.9	29 38	746.2	49.5	9.7	84	s.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.01	736.8	29.23	742.4	50.7	10.4	89	sse.	.....	.....	3	.....	9	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.68	703.1	29.99	761.7	79.8	26.6	67	ne.	.....	.....	1	.....	3	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	29.63	752.6	29.86	758.4	89.0	31.7	63	n.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	28.90	734.0	28.94	735.1	46	7.8	92	se.	.....	.....	1	.....	9	.....	.....	0.44	11.2	threatening	Wm. Ryan.
Gibraltar, Mediterranean	29.78?	756.4?	29.88?	758.9?	64.4	18.0	93	w.	.....	.....	4	.....	3	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.18	741.2	29.35	745.5	54.1	12.3	65	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.66	738.1	29.35	745.5	49.0	9.4	93	s.	.....	.....	1	.....	10	.....	.....	0.06	1.5	raining	A. Collenette, F.R.M.S
Kew, Observatory	29.32	744.7	29.36	745.7	54.4	12.4	62	s.	11	4.9	.....	.....	10	.....	.....	.....	.....	overcast	The Staff.
Leicester, Museum	29.66	738.1	29 30	744 2	55.0	12.8	69	s.	.....	.....	1	.....	9	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.03	760 2	30.01	762.2	67.2	19.6	53	sw.	.....	.....	3	.....	2	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.97	761.2	30.01	762 2	76.5	24.7	75	s.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.10	739.1	29.33	745.0	53.0	11.7	67	s.	.....	.....	4	.....	10	.....	.....	.....	.....	threatening	The Staff.
Plymouth	29.18	741.2	29.25	742.9	53.1	11.7	86	s.	.....	.....	4	.....	5	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.21	741.9	29.31	744 5	45.2	7.3	93	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	foggy	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.77	756.1	29.84	757.9	52.0	11.1	47	ne.	.....	.....	1	.....	3	.....	.....	blank	blank	d. clouds	W. H. Lyne.
Sheffield	29.05	737.9	29.32	744.7	57.0	13.9	67	s.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	29.16	740 7	29.19	741.4	54.1	12.3	74	s.	.....	.....	3	.....	8	.....	.....	0.090	2.3	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.27	743.4	53.0	11.7	64	s.	28	12.5	.....	.....	7	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	51.7	10.9	80	sw.	.....	1.5	.....	.....	10	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.00	736 6	29.03	737.3	51.8	11.0	74	se.	20	8.9	.....	.....	6	.....	.....	.....	.....	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.66	753.4	30.05	763.3	63.0	17.2	66	nw.	5.0	2.2	.....	0	0	.....	.....	0	0	clear	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.81	757.2	29.93	760.2	64.8	18.2	99	e.	23	10.3	.....	.....	10 k	.....	se.	0.020	0.5	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B	29.18	741.2	29.23	742.4	37.0	2.8	.....	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	raining	Hon. J. Ferguson
Charlottetown, P. E. Island	29.01	736.8	29.06	738 1	36	2.2	96	n.	8	3.6	.....	.....	10 8	.....	e.	0	0	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.12	739.6	29.18	741.2	35	1.7	100	n	6	2.7	.....	.....	10 n	.....	n.	0.17	4.3	cloudy	G. A. Blair.
Cornwall, Ontario	29.31	744.5	29.51	749.5	26.9	— 2.8	90	nw.	.....	.....	1	.....	10 n	.....	.....	0.030	0.8	snowing	Jas. Smith, M. A.
Dalhousie, N. B	29.19	741.4	29.24	742.7	35.5	1.9	.....	calm	.....	.....	0	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec	29.24	742.7	29.27	743.4	34	1.1	89	ne.	10	4.5	.....	.....	10 n	.....	.....	0.10	2.5	sleeting	... McWilliams
Fort Garry, Manitoba*	29.22	741.7	30.19	766.8	27	— 2.8	88	nw.	1	0.4	.....	.....	10 n	.....	.....	0	0	hazy	James Stewart.
Fredericton, N. B	29.10	739.1	29.17	740.9	37.0	2.8	83	n.	4	1.8	.....	.....	10 s	.....	.....	Imap.	Imap.	overcast	Dr. Thos. Harrison.
Grand Manan, N. B	29.05	737.9	29.11	739.4	36	2.2	89	n.	7	3.1	.....	.....	10 n	.....	.....	0.06	1.5	cloudy	J. Chipman Seeley
Granton, Ontario	28.71	729.2	29.86	758.4	29.0	— 1.7	100	n.	5	2.2	.....	.....	10 n	.....	.....	Imap.	Imap.	overcast	Jas. Grant.
Halifax, N. S*	28.85	732.8	28.98	736.1	39	3.9	92	n.	9	4.0	.....	.....	10 n	.....	ne.	0.264	6.7	light rain	A. Allison.
Hamilton, Ontario	29.40	746.7	29.81	757.2	29.3	— 1.5	89	nw.	.....	.....	2	10 ck	0	nw.	.....	0	0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.23	742.4	29.58	751.3	30	— 1.1	92	nw.	9	4.0	.....	2 cs	0	n.	.....	Imap.	Imap.	fair	A. P. Knight, M. A
Little Grace Bay, N. S	28.97	735.8	29.01	736.8	33.0	0.6	94	ne.	1	0.4	.....	.....	10 n	.....	.....	0	0	foggy	C. H. Rigby.
London, Ontario	28.97	735.8	29.91	759.7	30.8	— 0.7	78	n.	.....	.....	3	.....	10 ks	.....	.....	0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T	27 52	700.6	30.18	766.6	34	1.1	96	nw.	2	0.9	.....	.....	10 n	.....	.....	0	0	d. clouds	John Ewart.
Minnedosa, N. W. T	28.14	714.7	30.16	766.1	27	— 2.8	100	nw.	1	0.4	.....	.....	10 n	.....	nw.	0	0	threatening	Rev. J. M. Wellwood.
Montreal, Quebec*	29.24	742.7	29.46	748.3	27	— 2.8	92	nw.	22	9.8	.....	.....	10 n	.....	.....	0.09	2.3	snowing	... H. McLeod, C. E.
Ottawa, Ontario	29.35	745.5	29.58	751.3	26.5	— 3.1	78	wnw.	.....	.....	.....	.....	10 s	.....	.....	0.07	1.8	snowing	A. McCill, M. A.
Parry Sound, Ontario	29.10	739.1	29.83	757.7	23	— 5.0	88	n.	18	8.0	.....	5 k	5 ks	n.	n.	0	0	cloudy	Rev. R. Mosley.
Peterboro, Ontario	28.92	734.6	29.08	753.9	27.4	— 2.6	80	n	.....	.....	3	.....	10 k	.....	.....	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.43	747.5	30.16	766.1	29	— 1.7	45	nw.	2	0.9	.....	0	0	.....	.....	0	0	blue sky	W. P. Cooke.
Port Dover, Ontario	29.11	739.4	29.83	757.7	31	— 0.6	79	nw.	8	3.6	.....	10 k	0	nw.	.....	0	0	cloudy	... Morgan.
Port Stanley, Ontario	29.19	741.4	29.86	758.4	32	0.0	85	w.	12	5.4	.....	.....	10 n	.....	nw.	Imap.	Imap.	cloudy	M. Payne.
Qu Appelle, N. W. T	27.75	704.8	30.08	764.0	30	— 1.1	.....	ne.	12	5.4	.....	.....	10 n	.....	calm	0.10	2.5	heavy snow	Leslie Gordon.
Quebec, Quebec*	28.91	734.3	29.27	743.4	33	0.6	96	s.	8	3.6	.....	.....	10 n	.....	ne.	0.20	5.1	heavy snow	Capt. Ache, R. N.
Rockliffe, Ontario	29.24	742 7	29.72	754.9	24	— 4.4	80	nw.	20	8.9	.....	.....	s	.....	nw.	0	0	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.08	738.6	29.13	739.9	38	3.3	93	n.	3	1.3	.....	.....	10 n	.....	.....	0	0	cloudy	...
St. John, N. B	28.96	735.6	29.10	739.1	37.0	2.8	91	n.	20	8.9	.....	.....	10 n	.....	.....	0.357	9.1	overcast	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Vangeel, Ontario*	29.13	739.9	29.87	758.7	28	— 2.2	96	n.	21	9.4	.....	.....	10 s	.....	.....	0	0	cloudy	
Stratford, Ontario	28.53	724.6	29.86	758.4	27.2	— 2.7	89	nw.	10	7.2	.....	.....	10 n	.....	.....	0	0	d. clouds	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	Inch	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
CANADIAN.—Continued.																			
Sydney, C. B*	29.02	737.1	29.09	738 9	34	1.1	96	ne.	5	2.2	.....	.....	10 n	.....	.....	0	0	foggy	T.C.Hill, C.E.
Toronto, Ontario*	29.41	747 0	29.81	757.2	28	— 2.2	64	nw.	26	11.6	.....	.....	10 ks	.....	nw.	0	0	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.66	728.0	29.76	755.9	29.7	— 1.3	88	nw.	21	9.4	.....	.....	8	.....	.....	0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	28.99	736.3	29.05	737.9	36	2.2	96	n.	12	5.4	.....	.....	10 s	.....	n.	0.12	3.0	light rain	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.87	758.7	29.90	759.4	69.5	20.8	95	ne.	.....	.....	.....	0	0	.....	.....	0.100	2.5	clear	I. Garfelt.
Cape Town, The Castle	29.88	758.9	.....	.....	75.5	24.2	32	nnw.	.....	.....	.....	2 c	8	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.91	708.9	.....	.....	85	29.4	52	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace.
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	58.6	14.8	82	s.	.....	.....	4	4 s	.....	s.	.....	0	0	fair	Leon Herrera.
Valparaiso	29.82	757.5	29.97	761.1	57.6	14.2	95	s.	.....	.....	1	0	0	.....	.....	0	0	clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.03	762.8	30.06	763.4	49.3	9.6	92	ne.	16.8	7.5	.....	.....	10	.....	.....	0	0	covered	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.89	759.2	29.94	760.4	48.2	9.0	55	se.	20	9.	.....	.....	0	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	29.68	753.9	29.70	754.4	55.0	12.8	54	se.	.....	.....	6	.....	8	.....	.....	.....	.....	.....	Overloerer Laurid sen.
Godthaab, Greenland	30.01	762.2	30.05	763.3	27.5	— 2.5	87	nne.	.....	.....	4	.....	9	.....	.....	... ..	.....	.....	S. Kleinschmidt.
Ivigtut, Greenland	30.03	762.7	30.05	763.2	28.0	— 2.2	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.72	754.9	29.76	756 0	27.3	— 2.6	89	ne.	.....	.....	9	.....	10	.....	.....	.....	.....	snowing	A. O. Thorlacius.
Thorshavn	29.24	742.6	29.26	743.2	45.5	7.5	98	ene.	16	7	.....	.....	10	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	30.33	770.3	30.37	771.5	—10.7	—23.7	.....	calm	.....	.....	0	.....	6	.....	.....	.....	.....	.....	
Vestervig	29.65	753.2	29.74	755.5	56.8	13 8	39	se.	.....	.....	6	.....	3	.....	.....	.....	.....	.....	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.85	758.2	.....	.....	75.2	24.	.....	sw.	4.3	1.9	.....	0	4 k	.....	.....	0	0	.....	Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	28.93	734.9	29.57	751.0	65.5	18.6	60	se.	.....	.....	1	... ...	10 n	.....	w.	0	0	.....	M. Laboroue, Director.
Alençon, Normal School	28.99	736.4	29.54	750 4	52.9	11.6	95	s.	.....	.....	1	.....	5 n	.....	n.	0.016	0.4	cloudy	M. Nicot, Director.
Arras, Normal School	29.14	740.1	29.37	746.1	62.1	16.7	71	se.	.....	.....	6	.....	2	.....	nw.	0.08	2.	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.65	753 2	29.73	755.2	65.2	19	63	sse.	.....	.....	2	.....	5	.....	se.	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.76	756.0	29.55	750 5	65.3	18.5	49	s.	.....	.....	4	.....	10	.....	sw.	0.122	3.1	covered	M. Saillard, Director.
Beauvais, Normal School	29.13	739.8	29.38	746.2	63.7	17.6	57	sw.	.....	.....	4	.....	8	.....	sw.	0.197	5.0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.66	728.0	29.53	750.1	71.6	22.	47	ne.	.....	.....	1	.....	11	.....	e.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.20	741.7	29.45	748.1	66.0	18.9	55	sw.	.....	.....	1	.....	10	.....	.....	0.110	2.8	covered	M. Rayet, Director.
Bourges, Normal School	29 95	735.3	29.48	748.9	68.9	20.5	59	sw.	.....	.....	4	.....	10	.....	sw.	0	0	covered	M. Sauvageot, Director.
Brest, Naval Observatory	29.13	739.8	29.37	745.9	52.5	11.4	86	sw.	.....	.....	4	.....	5	.....	sw.	2.067	52.5	.....	M. de Kermarec, Dir.
Caen, Normal School	29.25	742 9	29.32	744.8	51.1	10.6	93	nw.	.....	.....	1	.....	10	.....	.....	0.087	2.2	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.728	18.5	.....	M. Jadot, Director.
Charleville, Normal School	29.00	736.5	29.51	749.6	53.2	11.8	95	sse.	.....	.....	1	.....	10	sse.	sse.	0.390	9.9	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28 19	716.1	29.49	749.0	67.1	19.5	37	sse.	.....	.....	4	.....	10	.....	s.	0	0	.....	M. Alluard, Director.
Cluny, Normal School	28.70	729.0	29.53	750 0	66.6	19.2	44	s.	.....	.....	4	.....	9	.....	s.	0	0	.....	M. de Villemonté, Dir.
Commercy, Normal School	28,79	731.3	29.58	751.4	60.6	15.9	62	ssw.	.....	.....	4	.....	10 n	ssw.	ssw.	.....	.....	raining	Dr. Coulet, Director.
Gap, Normal School	27.15	689.6	29.65	753 2	55.2	12.9	75	s.	.....	.....	1	.....	9 n	.....	.....	0	0	.....	M. Jarach, Director.
Gréasque, du Rhone	28.67	728.2	29.77	756.2	63.7	17.6	59	se.	.....	.....	4	.....	7	.....	se.	0	0	.....	M. Kina, Director.
Grenoble, Normal School	28.93	734.8	29.67	753 6	66.9	19.4	43	s.	.....	.....	4	.....	kn	.....	sw.	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28.00	711.3	29.52	749.7	64.4	18.	74	wsw.	.....	.....	6	.....	k	.....	sw.	0.114	2.9	.....	M. Delorme, Dir.
Lamballe Normal School	29.10	739.0	29.37	746 0	54.3	12.4	66	sw.	.....	.....	4	.....	8 n	.....	sw.	0	0	very cloudy	M. Pollpre, Dir.
Lescar, Normal School	28.91	734.4	29.45	748 0	71.6	22.0	36	sw.	.....	.....	4	.....	10 ks; n	.....	.....	0	0	covered	M. Chauvin, Director.
Lorient, Naval Observatory	29.30	744 3	29.41	746.9	54.0	12.2	76	s.	.....	.....	2	.....	10	sw.	s	0.134	3.4	covered	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28.56	725 3	29.58	751.4	63.3	17.4	55	ssw.	.....	.....	8	.....	10 n	.....	s.	0	0	covered	M. Andié, Director.
Mans, Normal School	29.06	738.1	29.35	745.6	62.8	17.1	53	sw.	.....	.....	4	.....	5 n	.....	wsw.	0.35	9.	cloudy	M. Richard, Director
Marseille, Observatory	29.50	749.2	29.76	755.9	66.6	19.2	53	se.	.....	.....	4	.....	9	.....	se.	0	0	.....	M. Stephan, Director.
Montlouis	24.54	623.2	29.38	746.2	45.5	7.5	49	sw.	31.8	14.2	.....	.....	5	sw.	.....	0	0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.55	750.5	29.66	753 3	59.4	15.2	98	e.	.....	.....	6	.....	10	e.	.....	0	0	covered	M. Galizin, Director.
Nancy, Normal School	28.83	732.2	29.58	751 3	64.0	17.8	47	.....	.....	.....	2	.....	n	.....	sw.	0	0	.....	M. Hasse, Director.
Nantes, Observatory	29.28	743 8	29.45	747.9	55.6	13.1	71	W.	.....	.....	0–1	.....	9m;kn;k	.....	W.	0.244	6.2	.....	M. Larocque, Director.
Perpignan, Observatory	29.45	748.0	29.56	750.7	72.9	22.7	44	sw.	29.8	13.3	.....	.....	8	sw.	sw.	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20 89	530.6	.....	.....	30.2	— 1.0	.....	sw.	.....	.....	1	.....	8	.....	sw.	0	0	very cloudy	M. Vaussenat, Director.
Privas, Normal School	28.63	727.3	29.52	749.9	58.6	14.8	67	s.	.....	.....	4	.....	10	s.	s.	0	0	covered	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.77	629.2	.....	.....	47.7	8.7	73	ssw.	.....	.....	4	.....	10	.....	sw.	0	0	.....	M. Alluard.
Rochefort, Naval Obs'y	29.44	747.8	29 47	748 6	57.9	14.4	74	sw.	.....	.....	4	.....	10	.....	sw.	0	0	covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.20	741.6	29.41	747 0	56.5	13.6	75	s.	.....	.....	1	.....	.....	ne.	.....	0.555	14.1	.....	M. Brotlier, Director.
Rodez, Normal School	27.49	698.3	29.61	752.0	54.3	12.4	76	e.	.....	.....	6	.....	5	.....	W.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.29	744 0	29.34	745.2	56.8	13.8	80	s.	.....	.....	1	.....	5	.....	s.	0.16	4.	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.25	742.9	29.41	747.1	65.8	18.8	53	ssw.	.....	.....	6	.....	.....	.....	sw.	0.079	2.0	.....	M. Renou, Director.
Toulouse, Observatory	28.85	732.7	29.56	750.8	66.7	19.3	61	se.	.....	.....	2	.....	10	W.	.....	0	0	covered	M. Baillaud, Director.
Tours	29.23	742.4	29.40	746.8	64.4	18.0	56	s.	.....	.....	6	.....	10	.....	sw.	0.276	7.0	covered	M. de Tastes.
Versailles, Observatory	28.91	734.3	29.40	746.8	64.4	18.0	57	sw.	.....	.....	6	.....	8	.....	.....	0.110	2.8	very cloudy	Dr. A. Bergny, Director.
Sub-series.																			
St. Martin du Hinx	29.33	745.0	29.48	748.8	66.7	19.3	49	sw.	13.9	6.2	.....	.....	10 k	.....	s.	0.008	0.2	covered	M. Carlier, Director.
GERMAN.																			
Ansbach	28.29	718.6	29.71	754.5	60.8	16.0	26	se.	.....	.....	6	.....	2	se	.....	0	0	.....	Prof. Jnedt.
Bamberg	28.90	734.1	29.74	755 3	61.5	16.4	40	se.	.....	.....	3	.....	6 s	.....	.....	0	0	.....	Prof. Dr. Hoh.
Berlin	29.67	753.7	29.82	757.3	58.3	14.6	36	se.	.....	.....	2	.....	1	.....	.....	0	0	.....	Meteorological Institute
Breslau	29.41	747.0	29.94	760.4	48.9	9.4	30	e.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal University Obs'y
Carlsruhe	29.19	741 4	29.63	752.6	64.4	18.0	49	ene.	.....	.....	1	.....	10	sw.	.....	0	0	.....	Albert Senz.
Cassel	28.99	736.3	29.70	754.4	63.0	17.2	28	s.	.....	.....	4	.....	8	s.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.33	745.0	29.69	754.1	61.5	16.4	36	ese.	.....	.....	2	.....	10	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.24	717.4	29.62	752.3	61.2	16.2	57	sw.	.....	.....	2	.....	10	W.	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	29.67	753.7	29.76	756 0	59.5	15.3	40	se.	.....	.....	5	.....	7	wsw.	.....	0	0	misty	E. Preller.
Kiel	29.75	755.6	29.76	756.0	55.8	13.2	34	se.	.....	.....	4	.....	3	.....	.....	0	0	.....	Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.38	746.3	29.80	756.9	59.5	15.3	35	ese.	.....	.....	3	.....	4	.....	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	29.60	751.7	29.78	756.4	60.8	16.0	30	se.	.....	.....	4	6 cs	.....	W.	.....	0	0	.....	Weather Observatory.
Memel	29.93	760.1	29.97	761.3	48.7	9.3	71	n.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	Issermann.
Munich	27 90	708.6	29.74	755.4	60.8	16.0	37	e.	.....	.....	3	.....	4	sw	.....	0	0	.....	Central Station.
Neufahrwasser	29.96	761.0	29.99	761.7	41.4	5.2	68	n.	.....	.....	3	.....	1	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.13	739.8	29.65	753.1	61.2	16.2	51	e.	.....	.....	1	.....	10	.....	.....	0	0	.....	Prof. Dicknether.
Stuttgart	28.72	729.5	29.60	751.8	65.3	18.5	39	e.	.....	.....	1	.....	8	W.	.....	0	0	.....	Prof. Dr. Schoder.
Wustrow	29.82	757.5	29.84	758.0	56.7	13.7	46	se.	.....	.....	3	.....	3 s	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.43	747.5	29.81	757.2	68.4	20.2	.....	W.	.....	.....	1.5	8	.....	.....	.....	0	0	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.86	758.4	29.91	759.6	79.8	26.6	81	W.	22.0	9.8	.....	.....	9	.....	.....	0	0	d. clouds	
Deesa	29.38	746 2	29.84	758.0	95.8	35.4	20	wnw.	19.0	8.5	.....	.....	7	W.	.....	0	0	d. clouds	
Bombay	29.80	756 8	29.84	757 8	85.3	29.6	67	wnw.	12.0	5.4	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	27.99	710.9	29.78	756.4	97.7	36.5	17	nw.	12.0	5.4	.....	.....	4	.....	.....	0	0	d. clouds	
Bellary	29.63	752.6	29.90	759.6	92.3	33.5	46	ene.	0.1	0.04	.....	.....	4	nne.	nne.	0	0	d. clouds	
Trichinopoly	28.37	720.5	29.79	756.7	96.0	35.5	16	se.	4.0	1.8	.....	.....	7	.....	.....	0	0	d. clouds	
Belgaum	27 32	693.8	29.80	756.9	87.7	30.9	52	wsw.	12.0	5.4	.....	.....	3	ne.	e.	0	0	d. clouds	
Lahore	29.14	740.3	29.89	759.2	79.9	26.6	32	n.	4.0	1.8	.....	.....	10	.....	.....	0	0	overcast	
Roorkee	28.86	733.1	29.75	755.6	87.7	30.9	13	w.	13.0	5.8	.....	.....	8	w.	.....	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–0	0–10	0–10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Agra	29.22	742.3	29.77	756 2	93.6	34.2	30	W.	2.0	0.9			8		W.	0	0	d. clouds	
Nagpur	28.76	730.4	29.76	755.9	98.9	37.2	16	nw.	10.0	4.5			4		W.	0	0	d. clouds	
Jubbulpore	28.46	722.9	29.78	756.3	95.8	35.4	16	W.	4.0	1.8			0			0	0	blue sky	
Lucknow	29.39	746.5	29.76	755.8	95.0	35.0	13	nw.	13.0	5.8			0			0	0	misty	
Allahabad	29.42	747.2	29.72	754.8	96.5	35.8	18	nw.					0			0	0	misty	
Patna	29.48	748.8	29.66	753.3	97.5	36.4	14	W.	6.8	3.0			2	W.	W.	0	0		
Hazaribagh	27.75	704.9	29.71	754.7	89.7	32.1	15	W.	14.0	6.3			10		W	0	0	overcast	
Cuttack	29.67	753.7	29.76	755.8	87.1	30.6	58	W.	10.0	4.5			1			0	0	d. clouds	
Calcutta, Alipore	29.70	754 4	29.72	754.9	88.2	31.2	67	S.	15.0	6.7			2			0	0	d. clouds	
Chittagong	29.73	755.1	29.82	757.4	80.7	27.1	81	SSW.	7.9	3.5			3		SSW.	0	0	d. clouds	
Sibsagar	29.33	744.9	29.67	753.5	76.4	24.7	74	ne.	2.0	0.9			2			0.50	12.7	blue sky	
Jeypore	28.38	720.8	29.79	756.7	90.9	32.7	11	nw.	12.5	5.6			8		nw.	0	0	d. clouds	
Zanzibar	29.84	757.9			86.5	30.3	60	ese.	6.8	3.0			0	ene.				d. clouds	
ITALIAN.																			
Udine	29.43	747.6	29.84	757.9	63.9	17.7	52	sw.	1.3	0.6			7			0	0		Prof. Giovanni Olodig.
Milan	29.35	745.5	29.86	758.5	63.9	17.7	48	sw.	7.4	3.3			6	sw.		0	0		Prof. G.V.Schiapparelli
Padua	29.73	755.2	29.84	757.9	64.9	18.3	47	nw.	11.9	5.3			5	sw.		0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.94	735.0	29.84	757.8	58.1	14.5	65	se.	4.3	1.9			9	n.		0	0		Prof. F. F. Denza.
Genoa	29.71	754.5	29.90	759.4	56.7	13.7	89	se.	10.5	4.7			10	se		0	0		Prof. G. M. Garibaldi.
Pesaro	29.83	757 7	29.88	758.9	59.4	15.2	64	ne.	8.7	3.9			10			0	0		Prof. Luigi Guidi.
Florence	29.66	753.3	29.91	759.7	62.2	16.8	56	sw.			2		10			0.028	0.7		Prof. Costantino Pittei.
Leghorn	29.79	756.6	29.87	758.7	61.9	16.6	67	s.	2.5	1.1			10	sw.		0	0		Prof. P. Monte.
Rome	29.76	755.9	29.93	760.3	66.6	19.2	41	W.	2.5	1.1			8			0	0		Prof. P. Tacchini.
Lecce	29.58	751.3	29.83	757.0	62.2	16.8	70	SSW.	9.4	4.2			5	sw.		0.106	2.7		Prof. C. de Giorgi.
Oosenza	29.04	737.7	29.93	760.2	60.8	16.0	77	SW.	3.1	1.4			4	sw.		0	0		Prof. D. Conti.
Palermo	29.74	755 4	29.99	761.7	63.3	17.4	46	ne.	5.6	2.5			6			0	0		Prof. G. Cacciatore
Syracuse	29.87	758.6	29.91	759.7	66.6	19.2	71	sse.	9.4	4.2			7	sw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.45	748.0			61.7	16.5	59	sw.	4.9	2.2			5	nw.		0.008	0.2		Prof. F. Brioschi.
Stelvio	21.99	558.6			37.6	3.1	58	W.			4		10			0	0	misty	Prof. P. F. Denza.
Valdobbia	22.01	559.0			35.2	1.8	79	nw.			2		10			0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.94	760.6	29.97	761.3	50.2	10.1	85	e.			4		10 n		W.	0.673	17.1	raining	H. Hattori.
Awomori	29.95	760.7	29.98	761.5	35.4	1.9	96	se.	0.3	0.1			10 s			0.108	2.7	overcast	K. Ogawa.
Hakodate	30.01	762 2	30.02	762.6	44.5	6.9	93	ese.	9.0	4.0			10 n			0.267	6.8	raining	Y. Souma.
Hamamatsu	29.75	755.6	29.85	758.1	56.2	13.4	97	ene.			6		10 n			2.146	54.5	raining	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.87	758.7	29.89	759.1	53.6	12.0	96	s.	0.3	0.1			10 s		W.	0.425	10.8	covered	Y. Okamoto.
Kagoshima	29.95	760.7	29.96	761.0	59.0	15.0	91	calm			0		10 s			0.016	0.4	overcast	
Kanazawa	29.72	755.0	29.83	757.6	49.7	9.8	92	ene.	6.4	2.9			10 n			1.008	25.6	raining	S. Endo.
Kioto	29.67	753.5	29.84	757.9	55.8	13.2	90	nne.	0.9	0.4			10 n			1.117	28.4	light rain	M. Tojima.
Kochi	29.80	757.1	29.83	757.6	59.0	15.0	90	W.	2.3	1.0		1 ck	1 s	nw.	nw.	0.830	21.1	clear	K. Kusunose
Misaka	29.87	758 0	29.89	759.3	61.1	16.2	76	W.			2	0	0			0.346	8.8	clear	K. Masusaki & T. Ishitain.
Miyako	30.03	762.8	30.14	765.6	51.5	10.8	84	s.	9.0	4.0			10		s.	0.327	8.3	raining	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.77	756.1	29.97	761.2	55.5	13.1	91	W.	4.8	2.1		0	1		W.	0.090	2.3	clear	
Nemuro	30.25	768.3	30.30	769.6	34.1	1.2	95	s.	12.0	5.4			10 s		s.	0	0	cloudy	A Shibuya.
Niigata	29.91	759.7	29.94	760.5	52.8	11.6	85	se.	12.0	5.4			10 n			0.530	13.5	light rain	Satoo & Tomikawa.
Nobiru	30.10	764.5	30.11	764.8	47.2	8.4	99	sse	20.8	9.3			10 n			1.385	35.2	stormy	Yoelino & Midzushima.
Numadzu	29.88	758.9	29.91	759.8	55.1	12.8	92	ene.			4		10 n			3.905	99.2	raining	T. Ohgi.
Osaka	29.79	756.7	29.81	757.1	55.3	12.9	91	ne.	19.2	8.6			10 s			0.465	11.8	cloudy	H. Omura.
Saga	29 88	759.1	29.91	759.7	55.8	13.2	90	wsw.	2.6	1.2		0	2 ks			0.204	5.2	clear	A. Matsuhayashi.
Sakai	29.84	757.9	29.85	758.1	54.3	12.4	92	W.			2		10 ks		W.	0.437	11.1	cloudy	Yamawehi & Sakamoto.
Sapporo	29.97	761.3	30.04	763.0	42.1	5.6	92	se.	42.4	19.0			10 n			0	0	covered	S. Kimura.
Shimonoseki	29.76	756.0	29.91	759.7	55.6	13.1	96	sw.			2		10 n			0.213	5.4	rainy	S. Sakano.
Tokei Obs'y, Yeddo	29.92	760.0	30.00	762.0	47.7	8.7	98	n.	10.7	4.7			10 n			2.844	72.2	rainy	The Staff.
Wakayama	29.74	755.5	29.80	756.8	55.3	12.9	92	n.	0.9	0.4			10 n.s			0.219	5.6	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.72	754.9	29.91	759.7	77.1	25.1	84	n.	6.0	2.7			9 kn			0.03	0.8	raining	The Staff.
MEXICAN.																			
Leon	24.30	617.2	29.58	761.5	56.8	13.8	64	nnw.	0.9	0.4		5 c	0			0	0	fair	M. Leal & M. Pina
Mazatlan	29.70	754.4	29.96	761.0	65.0	18.3	49	nw.	1.6	0.8		1 cs	0			0	0	hazy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.45	748.1	29.45	748.1	53.1	11.7		ese.			4					0	0		
Groningen	29.52	749.9	29.58	751.3	58.1	14.5		s.			2					0	0		
Helder	29.52	749.8	29.52	749.8	53.1	11.7		se.			3					0	0		
Hellevoetsluis	29.48	748.8	29.48	748.8	51.3	10.7	78	ese.			3					0	0		
Utrecht	29.48	748.8	29.53	750.0	53.6	12.0	78	sse.			4		9			0.063	1.6	covered	H. van der Brink.
Sub-series.																			
Batavia, Java	29.80	759.2			77.4	25.2	88	wnw.	0	0			10			0	0		Lt. J. J. Roptman, R. D. N
NORWEGIAN.																			
Bergen	29.61	752.1	29.67	753.7	60.8	16.0	28	sse.	9	4			5			0	0		
Brono	29.90	759.5	29.94	760.5	42.8	6.0	55	sse.			2		8			0	0		
Christiania	29.80	757.0	29.95	760.7	50.0	10.5	34	sw.	0	0			1			0	0		
Gjesvær	30.19	766.9	30.22	767.5	20.5	— 6.4		e.			2		9						
PORTUGUESE.																			
Funchal, Madeira	29.66	753.4	29.75	755.6	63.1	17.3	78	e.	4.9	2.2			5	nw.		0.185	4.7		Capt. D. A. de Cunha.
Lisbon, Observatory	29.26	743.2	29.59	751.6	57.0	13.9	71	sw.	11.2	5.0			9			0.752	19.1		The Staff.
Ponta Delgada, Azores	29.70	754.4	29.77	756.2	62.6	17.0	57	wnw.	9.8	4.4			4	n.		0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.98	761.6	30.02	762.5	69.6	20.9	72	ne.			3		2			0	0		
San Salvador, Congo																			
Serra da Estrella	24.83	630.6	29.58	751.2	38.5	3.6	90	W.	11.2	5.0			7			6.264	159.1		
RUSSIAN.																			
Akmolinski	29.03	737.4	30.16	766 0	32.0	0.0	76	ese.	2	1		0	0			0	0		Major K. Lasarew.
Archangel	29.21	737 4	30.23	767.9	20.1	— 6.6	66	nw.	13	6		0	0			0	0		Capt. Ssellwerstow
Ashuruda	30.15	765.8	30.06	763.4	55.8	13.2	76	n.	9	4		3 ck	0			0.055	1.4		
Astrakhan	30.04	763.1	29.97	761.2	44.1	6.7	77	ese.	2	1		0	1 k			0	0		Capt. Wisganow.
Baku	29.90	761.8	29.95	760 6	51.6	10.9	76	s.	31	14		0	0					light clouds	Meteorological Office.
Barnaul	29.76	755.9	30.29	769 3	28.4	— 2.0	66	calm	0	0			9			0	0		
Bielosersk	29.53	750.1	30.02	762.4	35.8	2.1	79	nw.	4	2			10 s			0	0		
Dorpat	29.77	756 1	30.02	762 4	42.4	5.8	63	ne.	9	4		4 c	0			0	0		Rosenthal.
Ekaterinburg	28.98	736 2	29.97	761 3	35.8	2.1	80	se.	4	2			10			0	0	solar coronæ	Meteorological Obs'y.
Elissawetgrad	29.25	742.9	29.71	754.5	40.1	4.5	66	calm	0	0		0	6 kn			0.075	1.9		
Kasalinsk	29.60	751 8	29.78	756.3	41.0	5.6	81	e.	9	4									Butkewitsch.
Kasan	29.48	748.8	29.76	755.9	34.7	1 5	90	se.	2	1			10			map.	map.	light rain	Observatory.
Kem	30.30	769.5	30.35	770.8	24.1	— 4.4	52	n.	4	2			1 k			0	0		
Kertch	29.03	752.6	29.65	753 2	45.1	7.3	68	sw.	9	4		0	7 k			0.087	2.2		Lagorio & Sastyrea
Kieff	29.00	738.0	29.70	754.4	39.2	4.0	48	se.	4	2		0	4 ks			0	0		Observatory
Koslov	29.27	743.4	29.79	756.6	33.6	0.9	76	wsw.	18	8		0	0			0	0		
Lgov	29.24	742.6	29.84	757.9	35.4	1.9	77	se.	7	3			0			0.016	0.4		R. I. Ssaweljew, Ensign.
Libau	29.93	760.3	29.99	760.9	40.8	4.9	81	n.	11	5			0			0	0		L. Quass.
Lugan	29.54	750.2	29.75	755.6	36.0	2.2	87	ese.	18	8			10			0.047	1.2		Meteorological Obs'y.
Moscow	29.17	740.8	29.66	753.3	33.6	0.9	94	calm	0	0			10 n			0.575	14.6	snowing	Meteorological Obs'y.
Nertschinsk	27.53	699.2	29.96	761.0	16.5	— 8.6	70	nnw.	13	6			10			0.020	0.5		
Nikolaiev	29.63	752.5	29.70	754.3	34.3	1.3	87	nnw.	22	10			10 n			0.339	8.6		Capt. Kurdakow.

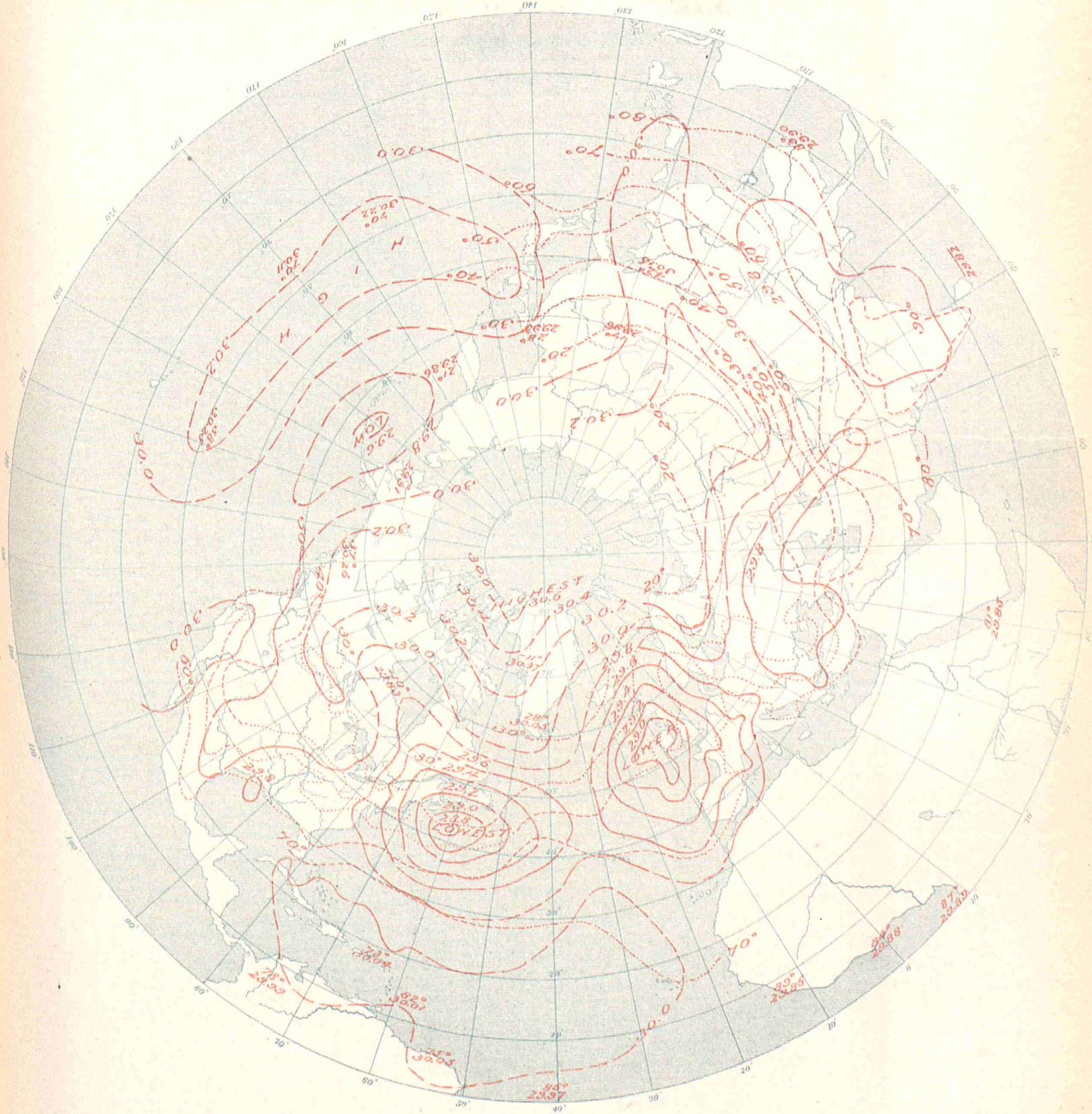
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.84	757.9	29.93	760.1	28.4	— 2.0	82	se.	16	7	.....	.....	10 n	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.02	762.5	30.16	766.1	41.5	5.3	18	nw.	2	1	.....	0	4 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.60	751.9	29.96	760.9	53.8	12.1	75	w.	5.6	2.5	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.96	761.0	30.17	766.2	31.6	— 0.2	58	ne.	16	7	.....	0	5 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.24	742 7	29.75	755.6	36.7	2.6	85	n.	9	4	.....	.....	9 n	.....	.....	0.181	4.6	snowing	
Poti	29.76	756.0	29.80	756.8	68.9	20.5	63	e.	11	5	.....	.....	6 ks	.....	.....	0	0	.....	
St. Petersburg	30.06	763.4	30.08	764.0	36.5	2.5	58	ne.	13	6	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.35	694.7	29.70	754.4	75.0	23.9	35	e.	7.8	3.5	.....	3 cs	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.67	753.6	30.39	771.9	13.5	—10.3	83	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.51	749.5	29.73	755.1	38.7	3.7	72	w.	40	18	.....	.....	9 n	.....	.....	0.591	15.0	.....	
Staroi Bykhov	29.20	741.6	29.76	756.0	39.6	4.2	62	se.	7	3	.....	.....	10	.....	.....	0.532	13.5	.....	Carl Hagen.
Tashkend, Laboratory	28.22	716 8	29.81	757.2	74.8	23.8	24	nw.	4	2	.....	.....	0	.....	.....	.....	.....	.....	Terch, A. M
Tiflis	28.54	725.0	29.95	760.7	59.4	15.2	29	ssw.	4	2	.....	0	0	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.46	697.4	29.91	759.8	60.1	15.6	47	calm	0	0	.....	0	2 k	.....	.....	.....	.....	.....	Larionow.
Viatka	29.24	742.6	29.88	759.0	37.8	3.2	56	w.	2	1	.....	.....	10	.....	.....	0.394	10.0	.....	
Vladivostock	29.74	755.4	29.81	757.1	36.9	2.7	90	se.	34	15	.....	.....	10 n	.....	.....	0.437	11.1	raining	
Warsaw	29.41	747.0	29.84	757.8	48.9	9.4	38	nnw.	18	8	.....	c	9 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.00	762.1	30.31	769.9	25.0	— 3.9	45	se.	4	2	.....	.....	1	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.11	739 4	29.64	752.8	33.4	0.8	92	ne.	11.1	5.0	.....	.....	10 n	.....	ne.	0.40	10.2	snowing	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.60	751.9	29.71	754.7	62.4	16.9	82	w.	.....	.....	.....	0	7	.....	.....	0	0	misty	B. Jelin.
Bilbao, Met. Obs'y	29.45	748.1	29.51	749.6	56.7	13.7	88	nw.	4.7	2.1	.....	.....	10	.....	.....	0.106	2.7	covered	Angel de Uralde.
Burgos, Met. Obs'y	26 03	676.5	29.60	751.9	48.2	9.0	90	sw.	19.9	8.9	.....	.....	10	.....	.....	1.102	28.0	covered	Domingo Martin.
Madrid, Royal Obs'y	27.45	697.3	29.67	753.7	52.5	11.4	88	sw.	19.5	8.7	.....	.....	10	.....	.....	0.874	22.2	covered	The Staff.
Murcia, Met. Obs'y	29.58	751.4	29.71	754.7	71.2	21.8	71	s.	4.5	2.0	.....	5	4	wnw.	.....	.....	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.52	724.4	29.40	746.7	56.3	13.5	73	sw.	18.1	8.1	.....	.....	9	.....	.....	0.622	15.8	rainy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.96	760.9	30.02	762 6	68.3	20.2	84	ese.	1.8	0.8	.....	0	0	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.95	760.6	30.00	762.0	82.2	27.9	67	ese.	7.9	3.5	.....	0	0	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.67	753.7	29.77	756.2	62.4	16.9	80	s.	20.9	9.3	.....	.....	10	.....	s.	0.159	4.0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.95	760.6	30.04	762 9	72.7	22.6	95	calm	0	0	.....	2 s	0	.....	.....	0	0	clear	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda	30.29	769.3	30.33	770.3	25.5	— 3.6	65	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Umea	30.14	765.5	30.19	766.8	27.7	— 2.4	79	e.	.....	.....	4	.....	10	.....	.....	0.028	0.7	.....	
Hernosand	30.04	763.1	30.10	764.4	33.1	0.6	89	ne.	.....	.....	4	.....	10	.....	.....	0.020	0.5	.....	
Stockholm	29.85	758.1	30.02	762.6	50.0	10.0	55	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Wisby	29.95	760 8	30.01	762 3	42.4	5.8	76	ne.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.94	760.4	30.02	762.6	43.9	6.6	77	w.	2.7	1.2	.....	.....	0	.....	.....	inap.	inap.	.....	H.H.Hildebrandesson
SWISS																			
Geneva	28.27	718.1	29.69	754.1	57.4	14.1	46	n.	.....	.....	1	.....	10	.....	.....	0	0	covered	The Observatory.
TURKISH.																			
Constantinople	.....	.....	29.87	758.7	46.6	8.1	53	nw.	9	4.0	.....	.....	7	.....	n.	0	0	.....	The Observatory.
Valona	.....	.....	29.94?	760.5?	65.8	18.8	.....	sw.	.....	.....	2	.....	5	.....	.....	0.08	2.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.96	761.0	66.6	19.2	71	sw.	.....	.....	3	.....	2 n	.....	sw.	0.58	14.7	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.45	748.0	29.53	750 0	37.6	3.1	59	nw.	7	3.1	.....	.....	10 n	.....	nw.	0.01	0.3	light snow	J. O. Barnes.
Alpena, Michigan	29.27	743.4	29.96	761.0	30.2	— 1.0	67	nw.	11	4.9	.....	.....	10 s	.....	nw.	0	0	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.02	635.5	29.94	760.5	33.8	1.0	84	ne.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.34	694.4	30.25	768.3	29.8	— 1.2	80	nw.	1	0.4	.....	0	0	.....	.....	.....	.....	clear	J.J.O'Connor.
Atlanta, Georgia	28.78	731.0	29.97	761.2	50.0	10.0	44	nw.	7	3.1	.....	6 cs	sk.	nw.	.....	0	0	fair	S. W. Beall
Atlantic City, New Jersey	29.57	751.1	29.58	751.3	42.0	5.5	57	nw.	15	6.7	.....	0	0	.....	.....	0	0	clear	B.A.Blundon.
Augusta, Georgia	29.78	756 4	29.99	761.5	52.3	11.3	70	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	W.J.Evans.
Baltimore, Maryland	29.67	753.6	29.72	754.9	44.5	6.9	56	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear	Geo. W. Felger.
Barnegat City, New Jersey	29.56	750.8	29.58	751.3	42.2	5.7	64	nw.	17	7.6	.....	0	2 s	.....	.....	0	0	clear	J.P.Sherry.
Bennett, Fort, Dakota	28.51	724.1	30.15	765 8	36.0	2.2	92	se.	7	3.1	.....	.....	10 n	.....	se.	0.07	1.8	light rain	A. Pritchard.
Benton, Fort, Montana	27.40	695.9	30.26	768 6	26.5	— 3.1	100	nw.	1	0.4	.....	0	7 k	.....	nw.	0	0	fair	C.S.Bennett.
Bismarck, Dakota	28.31	719.1	30 19	766.8	32.0	0.0	88	e.	2	0.9	.....	.....	10 n	.....	ne.	0.05	1.3	light snow	B. O. Lenoir.
Block Island, Rhode Island	29.35	745.5	29.38	746.2	35.7	2.1	84	nw.	19	8.5	.....	4 cs	4 s	.....	nw.	0	0	cloudy	J. T. Etker.
Boise City, Idaho	27.19	690.6	30.03	762.7	43.7	6.5	72	se.	5	2.2	.....	0	0	.....	.....	0	0	clear	James Kenealy.
Boston, Massachusetts	29.15	740.4	29.31	744.5	37.0	2.8	72	nw.	15	6.7	.....	.....	10 s	.....	nw.	0.02	0.5	cloudy	O. B. Cole.
Brownsville, Texas	29.85	758.2	29.91	759.7	63.2	17.3	90	nw.	12	5.4	.....	.....	10 s	.....	nw.	0.17	4.3	cloudy	John McGlone.
Buffalo, New York	29.03	737.3	29.80	756.9	28.9	— 1.7	78	nw.	19	8.5	.....	.....	10 s	.....	nw.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.10	713.7	30.20	767.1	31.2	— 0.4	83	n.	2	0.9	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	A. Schneider.
Cairo, Illinois	29.54	750.3	29.95	760.7	53.5	11.9	66	calm	0	0	.....	0	sk.	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.76	755.9	29.96	761.0	55.2	12.9	77	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	29.74	755.4	29.76	755.9	49.0	9.4	56	s.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	A. K. Alderson.
Cape May, New Jersey	29.61	752.1	29.64	752.8	43.0	6.1	74	w.	32	14.3	.....	0	0	.....	.....	0	0	clear	W.E.Smith.
Cape Mendocino, California	29.26	743.2	29.95	760.7	43.7	6.5	89	se.	23	10.3	.....	.....	10 s	.....	se.	0	0	cloudy	A. P. Leavitt.
Cedar Keys, Florida	29.95	760.7	29.97	761.2	61.3	16.3	60	n.	6	2.7	.....	0	8 k	.....	w.	0	0	cloudy	G. W. Davis.
Charleston, S. Carolina	29.86	758.4	29.92	760.0	55.0	12.8	72	w.	7	3.1	.....	10 c	fg.	w.	.....	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.03	737.3	29.89	759.2	53.0	11.7	50	w.	4	1.8	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.15	740.4	29.98	761.5	45.5	7.5	68	w.	2	0.9	.....	5 ck	sk.	nw.	.....	0	0	fair	B. L. Gouldins.
Cheyenne, Wyoming	24.02	610.1	30.04	763.0	25.6	— 3.6	72	n.	3	1.3	.....	0	3 s	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.33	745.0	30.06	763 5	35.9	2.2	56	ne.	10	4.5	.....	0	0	.....	.....	0	0	clear	T.B.Jennings.
Chincoteague, Virginia	29.68	753.9	29.70	754 4	47.8	8.8	68	nw.	27	12.0	.....	0	0	.....	.....	0	0	clear	
Cincinnati, Ohio	29.30	744.2	29.97	761.2	46.2	7.9	53	n.	7	3.1	.....	0	7 s	.....	nw.	inap	inap.	fair	C. F. Dickens
Cleveland, Ohio	29.15	740.4	29.91	759.7	33.5	0.8	81	nw.	11	4.9	.....	.....	10 s	.....	nw.	0	0	cloudy	L.Dunne.
Columbus, Ohio	29.06	738.1	29.93	760.2	37.2	2.9	70	nw	8	3.6	.....	0	hz.	.....	.....	0	0	clear	W.Line.
Concho, Fort, Texas	28.11	714.0	30.05	763.3	45.0	7.2	100	nw.	7	3.1	.....	.....	10 n	.....	.....	0.56	14.2	light rain	F.T. Williams
Custer, Fort, Montana	26.99	685.5	30.17	766.3	35	1.7	82	ne.	2	0.9	.....	.....	10 ks	.....	.....	0	0	cloudy	O. E. King.
Davenport, Iowa	29.39	746.5	30.06	763.5	38.0	3.3	62	ne.	8	3.6	.....	3 ck	0	nw.	.....	0	0	clear	W.J.Daily.
Davis, Fort, Texas	25.21	640.3	29.99	761.7	38.0	3.3	92	ne.	4	1.8	.....	0	7 ks	.....	sw.	0.40	10.2	fair	R. R. Martin.
Dayton, Washington Ty	28.28	718.3	30.04	763.0	42.0	5.6	72	e.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. Williams.
Deadwood, Dakota	25.43	645.9	30.12	765.0	32.0	0.0	100	s.	3	1.3	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	H.S.Blandford.
Delaware Breakwater, De.	29.65	753.1	29.67	753.6	43.2	6.2	52	nw.	24	10.7	.....	0	0	.....	.....	0	0	clear	G.Kinasbury.
Denver, Colorado	24.74	628 4	30.02	762.5	35.8	2.1	68	calm	0	0	.....	4 cs	0	.....	.....	inap.	inap.	fair	G.A.Martin.
Des Moines, Iowa	29.13	739.9	30.06	763.5	38.5	3.6	58	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	F. M. Neal.
Detroit, Michigan	29.23	742.4	29.96	761.0	33.0	0.6	60	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	F. W. Conrad.
Dodge City, Kansas	27.45	697.2	30.09	764.3	35.2	1.8	79	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear	N.B.Conger.
Dubuque, Iowa	29.35	745.5	30.08	764.0	36.5	2.5	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	J.E.Lanonette.
Duluth, Minnesota	.....	.....	.....	.....	34.1	1.2	56	n.	7	3.1	.....	0	fg.	.....	.....	0	0	clear	A.W.Browne.
Eastport, Maine	29.03	737 3	29.10	739.1	37.6	3.1	87	n.	6	2.7	.....	.....	0	.....	.....	0	0	clear	E.R.Brace.
Elliott, Fort, Texas	27.25	692.1	30.03	762.7	41.5	5.3	79	n.	13	5.8	.....	0	10 s	.....	n.	0.15	3.8	cloudy	D. C. Murphy.
El Paso, Texas	26.31	668.3	30.05	763.3	40.0	4.4	98	calm	0	0	.....	0	4 s	.....	.....	0	0.	fair	J. O. Rickli.
Erie, Pennsylvania	29.10	739.1	29.85	758.2	32.8	0.4	88	w.	12	5.4	.....	0	0	.....	.....	0.49	12.4	clear	F.Belford.
Escanaba, Michigan	29.38	746 2	30.07	763.8	26.5	— 3.1	70	nw.	3	1.3	.....	.....	10 n	.....	.....	inap.	inap.	light snow	P.Wood.
Fort Smith, Arkansas	29.45	748.0	29.93	760.2	52.4	11.3	86	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	L.M.Pindell.
Galveston, Texas	29.74	755.4	29.78	756 4	60.0	15.6	96	e.	20	8.9	.....	.....	10 s	.....	s.	0	0	cloudy	J. B. Campbell.
Grand Haven, Michigan	29.35	745.5	30.04	763 0	33.9	1.1	71	n.	8	3.6	.....	0	10 n	.....	e.	2.14	54.4	light rain	E. O'C. Macinerney
Grant, Fort, Arizona	25.25	641.3	29.98	761.5	40.2	4.6	78	n.	2	0.9	.....	0	c	.....	.....	0	0	clear	Joseph E. Mueller.
Hatteras, North Carolina	29.77	756.1	29.78	756.4	55.5	13.1	69	w.	12	5.4	.....	3 c	0	w.	.....	0	0	clear	Chas. A. Read.
																			R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.98	659.9	30.19	766.8	37	2.8	72	ne.	3	1.3	.....	0	0	.....	.....	0	c	clear	S. W. Morrison.
Huron, Dakota	28.71	729.2	30.16	766.1	32.8	0.4	89	n	5	2.2	.....	0	5 ks	.....	n.	inap.	inap.	fair	S. W. Glenn.
Indianapolis, Indiana	29.16	740.7	29.98	761.5	41.2	5.1	35	n.	6	2.7	.....	0	0	.....	.....	0.03	0.8	clear	C. F. R. Wappenhans.
Indianola, Texas	29.84	757.9	29.87	758.7	56.0	13.3	93	nw.	44	19.7	.....	.....	10 s	.....	n.	1.02	25.9	cloudy	I. A. Reed.
Jacksonville Florida	29.92	760.0	29.96	761.0	59.0	15.0	67	w.	4	1.8	.....	.....	10 s	.....	w.	0	0	cloudy	J. W. Smith.
Keokuk, Iowa	29.35	745.5	30.02	762.5	41.8	5.4	57	ne.	4	1.8	.....	0	1 s	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	29.98	761.5	30.00	762.0	72	22.2	66	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.76	755.9	29.78	756.4	49.0	9.4	71	n.	1	0.4	.....	0	hz.	.....	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	28.91	734.3	29.95	760.7	42.9	6.1	79	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	J. A. Cody.
La Crosse, Wisconsin	29.30	744.2	30.10	764.5	36.0	2.2	69	n.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	S. C. Emery.
Leavenworth, Kansas	29.11	739.4	30.02	762.5	46	7.8	76	nw.	7	3.1	.....	0	0	.....	.....	0.04	1.0	clear	C. Dill.
Lewiston, Idaho	29.23	742.4	30.08	764.0	43.6	6.4	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.58	751.3	29.90	759.4	53.4	11.9	70	ne.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	W. U. Simons.
Los Angeles, California	29.72	754 9	30.12	765.0	55.2	12.9	88	e.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	T. S. Collins
Louisville, Kentucky	29.36	745.7	29.93	760.2	47.9	8.8	89	n.	8	3.6	.....	0	8 ks	.....	nw.	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.06	738.1	29.77	756.1	56.0	13.3	57	sw.	3	1.3	.....	0	9 ks	.....	nw.	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.34	745.2	30.02	762.5	24.0	— 4.4	82	nw.	11	4.9	.....	3 c	0	w.	.....	inap.	inap.	clear	D. B. Notson.
Macon, Fort, North Carolina	29.81	757.2	29.82	757.4	53.5	11.9	51	w.	8	3.6	.....	5 c	0	w.	.....	0	0	fair	William Daly.
Maginnis, Fort, Montana	25.70	652.8	30.20	767.1	22.5	— 5.3	58	w	4	1.8	.....	5 c	0	w.	.....	0.07	1.8	fair	F. Burke.
Marquette, Michigan	29.34	745.2	30.09	764.3	28.0	— 2.2	67	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.55	750.6	29.89	759.2	54.0	12.2	82	se.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.30	744.2	30.07	763.8	35.4	1.9	68	ne.	3	1.3	.....	0	sk.	.....	.....	0	0	clear	S. W. Rhods.
Mobile, Alabama	29.90	759.4	29.94	760.5	50.4	13.6	80	nw.	1	0.4	.....	.....	10 n	.....	nw.	0.42	10.7	light rain	H. U. Jones.
Montgomery, Alabama	29.72	754.9	29.95	760.7	54.3	12.4	62	calm	0	0	.....	10ck;cs	0	nw.	.....	0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.13	739.9	30.16	766.1	28.0	— 2.2	88	n.	7	3.1	.....	0	1 s	.....	n.	0	0	clear	L. M. Dey.
Mt. Washington, N. H.	22.99	583.9	29.40	746.7	11.0	—11.7	97	nw.	58	26.0	.....	fg.	.....	.....	nw.	0.08	2.0	dense fog	E. A. Beals.
Nashville, Tennessee	29.32	744.7	29.90	759.4	43.5	6.4	83	e.	1	0.4	.....	4 c	fg.	w.	.....	inap.	inap.	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.35	745.5	29.47	748.5	35.8	2.1	65	nw.	11	4.9	.....	0	9 s	.....	.....	0.03	0.8	cloudy	J. H. Sherman.
New London, Connecticut.	29.38	746.2	29.43	747.5	36.0	2.2	69	w.	12	5.4	.....	3 c	6 s	nw.	w.	0.03	0.8	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.80	756.9	29.86	758.4	56.5	13.6	93	e.	9	4.0	.....	.....	10 n	.....	.....	0.91	23.1	thund'r st'm	M. Hernau.
New York, New York	29.36	745.7	29.54	750.3	30.8	2.7	64	nw.	20	8.9	.....	0	9 s;ks	.....	nw.	inap.	inap.	cloudy	W. Finn.
Norfolk, Virginia	29.70	754.4	29.73	755.1	51.0	10.6	71	w.	1	0.4	.....	.....	10 k	.....	w.	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	27.16	689.9	30.12	765.0	33.6	0.9	78	calm	0	0	.....	0	4 s	.....	.....	0	0	fair	E. F. Brady.
Olympia, Washington Ter	29.98	761.5	30.02	762.5	46.0	7.8	83	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	J. Dasconn.
Omaha, Nebraska	28.90	734.0	30.11	764.8	37.6	3.1	82	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	A. Pollak
Oswego, New York	29.33	745.0	29.67	753.6	30.9	— 0.7	83	nw.	13	5.8	.....	.....	10 n	.....	nw.	0.01	0.3	light snow	J. G. Linsley.
Palestine, Texas	29.42	747.3	29.98	761.5	52.3	11.3	100	nw.	3	1.3	.....	.....	10 n	.....	.....	0.25	6.3	light rain	P. T. Jenkins.
Pensacola, Florida	29.94	760.5	29.97	761.2	56.8	13.8	87	n.	2	0.9	.....	.....	10 n	.....	.....	0.22	5.6	light rain	M. McGauran.
Philadelphia, Pa	29.50	749.3	29.64	752.8	42	5.6	50	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.66	448.6	29.94	760.5	4.0	—15.6	66	w.	20	8.9	.....	0	4 ks	.....	w.	0.02	0.5	fair	H. Hall.
Pittsburg, Pennsylvania	29.03	737.3	29.86	758.4	35.7	2.1	70	nw.	8	3.6	.....	9 ck	0	nw.	.....	0	0	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	24.3	— 4.3	99	.....	.....	.....	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.16	740.7	29 86	758 4	31.4	— 0.3	81	nw.	9	4.0	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	M. H. Perry
Portland, Maine	29.19	741.4	29.24	742.7	41.0	5.0	61	nw.	11	4.9	.....	.....	10 s	.....	n.	0.07	1.8	cloudy	W. W. Eichelberger.
Portland, Oregon	29.88	758.9	29.95	760.7	47.7	8.7	90	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	M. L. Hearne.
Prescott, Arizona	24.72	627.9	29.99	761.7	35.0	1.7	77	s.	2	0.9	.....	0	1 s	.....	.....	0	0	clear	J. Grover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. N. Kitchal.
Red Bluff, California	29.67	753.6	30.03	762.7	49	9.4	89	nw.	4	1.8	.....	2 ck	0	nw.	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.77	756.1	30.01	762.2	58.3	14 6	91	nw.	12	5.4	.....	0	0	.....	.....	0.08	2.0	clear	L. G. Schultz.
Rochester, N. Y	29.04	737.6	29.73	755.1	28.3	— 2.1	90	nw.	20	8.9	.....	.....	10 n	.....	.....	inap.	inap.	light snow	E. W. McGann.
Roseburg, Oregon	29.41	747.0	29.97	761.2	41	5.0	92	e.	1	0.4	.....	2 c	0	w	.....	0	0	clear	J. J. Naury.
Sacramento, California	29.94	760.5	30.01	762.2	50.5	10.3	84	s.	7	3.1	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.35	745.5	29.98	761.5	45.3	7.4	89	n.	9	4.0	.....	.....	8k;s	.....	w	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.87	758.7	29.91	759.7	1.2	—17.1	88	calm	0	0	.....	.....	fg.	.....	.....	0.02	0.5	dense fog	Fred. H. Clarke.
St. Paul, Minnesota	29.21	741.9	30.09	764.3	33.6	0.8	78	n.	1	0.4	.....	1 ck	0	w.	.....	0	0	clear	P. F. Lyons.
St. Vincent, Minnesota	29.29	744.0	30.20	767.1	28.8	— 1.8	84	calm	0	0	.....	.....	9 ks	.....	nw.	0	0	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.57	649.5	29.94	760.5	44.0	6.7	52	sw.	3	1.3	.....	.....	10 ks	.....	sw.	0	0	cloudy	J. Craig.
San Diego, California	30.00	762.0	30.07	763.8	57.4	14.1	82	calm	0	0	.....	.....	10 k	.....	w.	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.26	743.2	29.96	761.0	33.5	0.8	64	nw.	22	9.8	.....	0	0	.....	.....	0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	29.53	750.0	29.56	750.8	38.8	3.8	80	nw.	29	13.0	.....	0	9 k	.....	nw.	0	0	cloudy	V. P. Chappel.
Sanford, Florida	29.92	760.0	29.97	761.2	60.1	15.6	81	sw.	3	1.3	.....	5 k	fg.	sw.	.....	0	0	fair	J. B. Marbury
San Francisco, California	29.96	761.0	30.02	762.5	50.0	10.0	89	sw.	1	0.4	.....	0	1 fg.	.....	sw.	0	0	clear	N. Gorom.
Savannah, Georgia	29.87	758.7	29.96	761.0	56	13.3	44	w.	6	2.7	.....	10 cs	fg.	w.	.....	0	0	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.56	674.6	30.23	767.8	29	— 1.7	88	w	5	2.2	.....	.....	10 k	.....	.....	0.05	1.3	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.72	754.9	29.96	761.0	56.8	13.8	84	s.	1	0.4	.....	.....	10 n	.....	s.	inap.	inap.	light rain	E. N. Meekins.
Sitka, Alaska	30.19	766.8	30.26	768.6	37.1	2.8	87	e.	1	0.4	.....	0	4 ks	.....	e.	0.78	19.8	fair	F. W. Fickett.
Smithville, North Carolina	29.82	757.4	29.86	758.4	51.2	10.7	58	nw.	4	1.8	.....	1 c	hz.	.....	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	28.05	712.5	30.11	764.8	45.0	7.2	03	n.	5	2.2	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.33	745.0	30.03	762.7	41.0	5.0	57	e.	5	2.2	.....	0	3 k	.....	.....	0	0	clear	W. Norrington.
Stockton, Fort, Texas	27.02	686.3	30.05	763.3	45.0	7.2	93	nw.	2	0.9	.....	.....	10 s	.....	.....	0.39	9.9	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.93	760.2	30.02	762.5	48.5	9.3	76	e.	16	7.2	.....	0	0	.....	.....	0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.33	694.2	30.06	763.5	41.2	5.1	59	calm	.....	.....	0	0	0	.....	.....	0.26	6.6	clear	R. C. Lord.
Toledo, Ohio	29.23	742.4	29.94	760.5	33.1	0.6	77	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	A. Buell.
Unalashka, Alaska	29.56	750.8	29.58	751.3	36	2.2	69	se.	12	5.4	.....	0	0	.....	.....	0.18	4.6	clear	Samuel Applegate
Vicksburg, Mississippi	29.66	753 4	29.92	760.0	55.8	13.2	64	se.	3	1.3	.....	.....	10s;sk	.....	w.	0	0	cloudy	F. W. Mixer.
Washington, D. C.	29.64	752.8	29.76	755.9	44 0	6.7	45	nw.	9	4.0	.....	0	1 s	.....	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	26.08	662.4	30.03	762.7	26.8	— 2.9	90	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	F. H. Brandenburg
Wilmington, N Carolina	29.81	757.2	29.87	758.7	53.8	12.1	48	nw.	1	0.4	.....	3c;cs	hz.	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.81	731.8	30.15	765.8	32.8	0.4	90	n.	1	0.4	.....	.....	2 k	.....	w.	0	0	clear	E. H. Thompson.
Yuma, Arizona	29.85	758.2	30.00	762.0	55.0	12.8	79	calm	0	0	.....	0	2 k	.....	se.	0	0	clear	W. S Delano.
Sub-series.																			
Behrings Island, Kamchatka	29.84	757.9	29.86	758.4	20.9	— 6.2	.....	w.	13	5.8	.....	0	6 k	.....	w.	0.02	0.5	fair	George Oherwick.
Bluefields, Nicaragua, C. A	.....	.....	.....	.....	84	28.9	.....	ne.	.....	.....	1	1 c	3 k	.....	ne.	0	0	fair	W. B. Jackson.
Bogota, U. S. C	22.07	500.5	.....	.....	54.5	12.5	83	calm	0	0	.....	1 cs	3 k	.....	s.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.85	758.2	30.00	762.0	33	0.6	100	ne.	12	5.4	.....	8 ck	2 s	ese.	s.	0.04	1.0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.05	763.3	75	23.9	76	calm	0	0	.....	0	0	.....	.....	0	0	fine	Robert Johnston.
Paramaribo, S. A	30.04	763.0	30.05	763.3	75	23.9	95	e.	.....	.....	3	.....	10 n	e.	.....	1.130	28.7	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.43	747.5	29.99	761.7	78	25.6	89	n.	.....	.....	1	.....	10 ks	.....	s.	0	0	cloudy	Francisco J. Cisneros
Rivas, Nicaragua, C. A	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Earl Flint.
York Factory, B. A	29.76	755.9	29.83	757.7	— 9.5	—23.1	78	w.	7	3.1	.....	1 c	0	w.	.....	0	0	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Nuds, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabres.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from	
District No. 1—North Atlantic																		
S. S. Alvo, Jacmel, Hayti, W. I *	29.99	761.7	75	23.9		ne.			3		5	e.		0	0	long	s.	fine.
S. S. Alps, Aguadilla, Porto Rico, W. I *†	30.00	762.0	80	26.7		ene.			1		1			0	0	chop	n.	clear.
S. S. Anchoria, N. 42° 08′, W. 48° 48′						sw.			3		5		sw.	4 h'r	4 h'r	h'vy	w.	light haze
S. S. Ailsa, Port Limon, Costa Rica, C. A			79	26.1	94	e.			1		2		e.	3 h'r	3 h'r	light	e.	showery.
S. S. Abyssinia, Mersey River, Eng			50	10.0	100	ssw.			5		3		sw.	0	0			hazy.
S. S. Assyrian Monarch, N. 44° 45′, W. 31° 52′ †	29.62	752.3				nw.			6		6		nw.	1 h'r	1 h'r	mod.	nnw.	cloudy.
S. S. Bohemia, N 49° 45′, W. 10° 16′						sw.			6		8		sw.	6 h'r	6 h'r	mod.	w.	cloudy.
S. S. Bothnia, N. 51°02 1′, W. 10° 39′ *†	28.96	735.6	58	14.4		sse.			5		5		sse.	14 h'r	14 h'r	sm'h		showery.
S. S. Britannic, N. 51° 16′, W. 14° 50′*†	29.07	738.4	48	8.9		nw.			4		4		ne.	0	0	mod.	nw.	showery.
S. S. City of Washington, N. 33° 33′, W. 75° 30′*†	29.85	758.2	68?	20.0?		nw.			4		5		nw.	0	0	mod.	nw.	fine.
Bk. C. S. Bushnell, N. 36° co′. W. 5° 37′	29.83	757.7			86	wsw.			3		8		wsw.	0	0	long		hazy.
S. S. Circassian, N. 55° 00′, W. 12° 30′	28.93	734.8	50	10.0		ne.			3		6		ne.			3	se.	d. clouds.
S. S. Canada, (Fr) N. 49° 34′, W. 15° 08′			50.0	10		nw.			4		5 k		nw.			large	nw.	fair.
S. S. Denmark, N. 49° 45′. W. 11° 39′ †	28.02	734.6	55	12.8	68	wsw.			6		4		wsw.	shr's	sh'rs	mod.	wsw.	fair.
S. S. E. B. Sutton, N. 39° 50′, W. 39° 00′*†	29.71	754.6	63	17.2	94	s.			5		10		s.			h'vy	sw.	hazy.
S. S. Elbe, N. 40° 18′, W. 71° 30′	29.37	745.9	40.1	4 5		w.			6-7		4		w.	9 h'r	9 h'r	r'gh	w.	stormy.
S. S. Eider, N. 41° 09′, W. 51° 51′ *	29.10	739.2	50.9	10.5		sw.			6		7		sw.	3 h'r	3 h'r	high	ssw.	hazy.
S. S. Frisia, N. 41° 00′, W. 58° 55′			45.5	7.5		w.			5		3?		w.	5 h'r	5 h'r	long	sw.	cloudy†
S. S. Henry Failing, N. 46° 45′, W. 18° 00′ *†	29.30	744.2	54	12.2		nnw.			4		5		wnw.	5 h'r	5 h'r	mod.	n.	rain squalls.
S. S. Helvetia, N. 50° 23′, W. 21° 37′	29.13	739.9	50	10.0	86	wnw.			5		5		wnw.	2 h'r	2 h'r	mod	wnw.	fair.
Bk. Heinrich & Tonio, N. 42° 00′, W. 62° 45′ †	28.70	729.0	41	5.0	91	wnw			5		8		wnw.	15 h'r	15 h'r	mod.	w.	cloudy.
S. S. Lord Clive, N. 45° 11′, W. 37° 05′ *	29.55	750.6				se.			4				ssw.	0	0	mod.	ne.	fine.
Bg. L. & W. Armstrong, N. 25° 29′, W. 67° 51′*†	29.94	760.5				nw.			3		7		nw.	0	0	mod	wnw.	fine.
S. S. Llandaff City, N. 44° 10′, W. 43° 40′*†	29.40	746.7				sw.			3		2			2 h'r	2 h'r	mod	sw.	clear.
Schr. Maggie Abbott, N. 34° 00′, W. 67° 50′ *†	29.52	749.8				nnw.			10		5		nnw.	hv'y	hv'y			fair.
S. S. Madrid, N. 35° 10′. W. 63° 36′ †	29.35	745 5	57	13.9	94	w.			7		4		w.	sh'rs	sh'rs	r'gh	w.	fair.
S. S. Main, N. 43° 46′ W. 40° 40′			59.0	15 0		s.			4		9		sw.	3 h'r	3 h'r	mod.	s	rainy.
S. S. Marengo, N. 47° 20′, W. 28° 56′	29.55	750.6	53	11.7		nnw.			6		2?		nw.	4 h'r	4 h'r	long	nnw.	cloudy ?
S. S. Normandie, N. 40° 15′, W. 54° 17′			64.4?	18?		wsw.			5		4		w.			h'vy	sw.	fair.
S. S. Oregon, (Br) N. 55° 30′, W. 12° 00′	28.95	735.3	51	10.6		ene.			4		10		ene.	1 h'r	1 h'r	mod.	ene.	cloudy.
S. S. Olbers, N. 10° 24′. W. 48° 39′	30.05	763.3	76.5	24.7	82	ne.			6		9		nne.			4	ne.	fine.
S. S. Rosse, N. 29° 36′, W. 66° 29′	29.84	757.9	70	21.1	85	nw.			6		9		nw.	0	0	hv'y	wnw.	fine.
S. S. Rhaetia, N. 50° 35′, E. c° 10′	29.30	744.2	48	8.9		se.			3		2		s.	7 h'r	7 h'r	sm'h	sw.	fair.
S. S. State of Nebraska, N 48° 40′, W. 31° 54′ *†	29.70	754.4	44	6.7		n.			6		6		ne.	0	0	sm'h		hazy.
S. S. Scythia, N. 42° 46′, W. 49° 30′	29.20	741.7	50	10.0	93	s.			2		6		s.	5 h'r	5 h'r	h'vy	ssw.	cloudy.
Bk. Tuck Sing, N. 36° 17′, W. 72° 27′ *†	29.62	752.3				nw.			6					0	0	h'vy	nw.	cloudy.
S. S. Valencia, N. 17° 30′ W. 68° 03′ †	30.05	763.3	80	26.7	82	se.			2		3		ne.	0	0	light	ese.	fair.
S. S. Vaderland, N. 49° 15′, W. 14° 55′			54	12.2		nw.			6		4?		nw.	8 h'r	8 h'r	mod.	nw.	cloudy.?
S. S. Virginian, N. 50° 56′, W. 14° 52′			50	10.0		s.			5				s.			mod	s.	showery.
S. S. Wieland, N. 40° 32′, W. 61° 09′						nw.			5		2		nw.	rain	rain	long	nw.	squally.
S. S. Weser, N. 53° 46′, E. 5° 26′	29.62	752.3	48.2	9.0		ese.			3		10		ese.	2 h'r	2 h'r	2	ese.	light rain.
S. S. Westernland, N. 47° 46′, W. 26° 40′	29.49	749.0	54	12.2	80	n.			4		2		n.	2 h'r	2 h'r	light	n.	clear.
S. S. Waesland, Antwerp, Belgium	29.48	748.8	59	15.0		se.			6		8		se.	2 h'r	2 h'r			cloudy
S. S. Lessing, N. 47° 01′. W. 28° 49′			53	11.7		nne.			6		5		ne.	1½h'r	1½h r	r'gh	ne.	fair.
Bk. Alpha, N. 19° 35′, W. 59° 40′ *†	30.04	763.0	77	25.0		ssw.			3		2		s.	0	0	sm'h		clear.
Schr. Adda Doane, N. 22° 37′, W. 74° 30′†	30.02	762.5				sw.			1		1		sw.	0	0	sm'h		clear.
S. S. America, Baltimore, Md	29.72	754.9	45	7.2		nw.			4		4		nw.	0	0			fair.
S. S. Andes, N. 27° 18′, W. 67° 30′ *†	29.95	760.7	74	23.3		wsw.			2							sm'h		fine.
S. S. British Princess, N. 40° 45′, W. 56° 59′ †.	29.00	736.6				sw.			5		6		sw.	0	0	mod.	sw.	fair.
S. S. Caracas, N. 33° 46′, W. 70° 40′ *†	29.71	754.6	64	17.8	62	nw.			7		2		nw.	0	0	r'gh	nw.	clear.
S. S. Chalmette, Algiers, La †	29.90	759.4	59	15.0		ene.			5		10		ene.	2 h'r	2 h'r			light rain.
Bk. Esmeralda, N. 55° 23′, W. 7° 41′	28.82	732.0				s.			2		10		s.	0	0	r'gh	ene.	cloudy.
S. S. Erin, N. 42° 17′. W. 41° 01′	29.53	750 0	64	17.8		ssw.			5		6		sw.	1 h'r	1 h'r	short	sw.	hazy.
S. S. England, N. 40° 50′. W. 50° 30	29.16	740.7				s.			5		10		s	shr's	shr's	h'vy	s.	cloudy.
S. S. Foscolia, N. 47° 04′ W. 13° 11′ †	29.00	736.6	55	12.8		s.			5		5		wnw.	0	0	cross	wsw.	fine.
S. S. Grecian, N. 41° 58′, W. 50° 20′	29.20	741.7	46	7.8	92	w.			4-5		5			2 h'r	2 h'r	high	sw.	clear.
S. S. Habsburg, N. 37° 35′. W. 68° 04′	29.36	745.7				ssw.			2		0			0	0	h'vy	nw.	stormy.
Bk. Idaho, N. 22° 45′, W. 71° 12′*†	30.04	763.0				wnw.			7-9		9		nw.	0	0	mod.	nw.	fair.
S. S. Italy, N. 49° 47′, W. 6° 20′*	29.22	742.2	52	11.1	93	nw.			1		hz.					mod.	nw.	fair.
Bg. Lilian, N. 25° 59′, W. 59° 16′†	29.93	760.2				ssw.			3		5		s.	3 h'r	3 h'r	mod	con	hazy.
S. S. Muriel, Barbadoes, W. I	30.02	762.5	78	25.6		nw.			4		4		wsw.	0	0	hv'y	r'gh	hazy.
S. S. Neckar, N. 45° 56′, W. 31° 08′			50.0	10.0		e.			2		0			0	0	sm'h		clear.
S. S. New York, N. 31° 40′, W. 80° 00′*†	29.88	758 9	58	14.4		nw.			5		6		nw.	2 h'r	2 h'r	mod.	n.	squally.
S. S. Pennsylvania, Philadelphia, Pa †	29.64	752.8	42	5.6	91	nw.			4		sk					sm'h		smoky
S. S. Prussian, N. 42° 38′, W. 51° 59′			44	6.7		nw.			3		5		nw.	0	0			fine.
S. S. Samaria, Boston, Mas- *	29.34	745.2				se.			4		2 ?		sw.	0	0	mod.	ssw.	cloudy.?
Bk. Tros, N. 22° 00′, W 58° 04′*†	29.98	761.5	76	24.4		nnw.			5		6		nw.	0	0			squally.
S. Tsernogora, N. 35° 14′. W. 67° 00′*†	29.40	746.7				wsw.			3		3		s.	0	0	long	nw.	
S. S. Werra, N. 49° 46′, W 18° 02′ *	29.15	740.4	55.4	13.0		wnw.			7		5		wnw.	rain	rain	h'vy	cross	h'vy squalls
U. S. S. Alliance, N. 16° 38′, W. 65° 56′	30.06	763.5	77	25.0	77	w.			6		7		wnw	0	0	high	w.	covered.
U. S. S. Galena, Port au Prince, Hayti W. I *	30.00	762 0	77	25.0	77	ene.			2		2		n.	0	0	sm'h		fair.
U. S. S. Jamestown, N. 14° 36′, W. 61° 26′	30.11	764.8	78	25.6	69	e			1		2		e.			sm'h		fair.
U. S. S. Kearsarge, Jaffa, Syria	30.02	762.5	65	18.3	68	ene.			3		5					sm'h		fair.
U. S. S. Lancaster. Jaffa, Syria	29.99	761.7	65	18.3	84	wsw.			2		0					mod	w.	clear.
U. S. S. Portsmouth, N 18° 17′, W. 64° 57′	30.02	762.5	76	24.4	100	w.			3		2		w.			long	w.	fair.
U. S. S. Quinnebaug, Tunis. Tunis	29.88	758.9	67	19.4	79	se.			2		2		e.			sm'h		fair.
U. S. S. Saratoga, Li-bon, Portugal	29.59	751.6	61	16.1	94	e.			1		0							clear.
U. S. S. Swatara, Cardenas Bay, Cuba, W. I	29.99	761.7	77	25.0	82	wsw.			2		8		sw.	hv'y	hv'y	sm'h		fair.
U. S. S. Vandalia, off Cay Sal, Bahamas, W. I	29.95	760.7	77	25.0	73	calm			0		0					sm'h		clear.
U. S. S Yantic, Port Nipe, Cuba, W. I.	30.04	763 0	73	22.8	90	calm			0		0							clear.
H. M. S. Alexandra, N. 35° 32′, E. 24° 15′	29.89	759.2	65	18.3	78	w.			2		2		calm					clear.
H. M. S. Alecto, N. 5° 06′. W. 1° 14′	29.88	758.9	84	28.9		w.			5		1	W.				1	w.	blue sky.
H. M. S. Inflexible, N. 36° 36′, E. 17° 46′			62	16.7	94	s.			1		9					4	ssw.	overcast
H. M. S. Minotaur, Phalerum Bay, Greece	29.82	757.4	64.5	18.1	67	wnw.			3		0					2	w.	blue sky.
H. M. S. Douro, St. Thomas, Gulf of Guinea	29.89	759.1	86.9	30.5	79	wnw.			2		3	W.						d. clouds.
S. S. British Crown, N. 49° 52′, W. 22° 48′†	29.22	742.2	46	7.8		ese.			4		10		se.			3	se.	overcast.
S. S. Lord Gough, N. 4° 42′, W. 43° 30′			61	16.1		nw.			5		6		nw.	½h'r	½hr	mod.	nw.	
S. S. Ohio, (Am.) N. 39° 42′, W. 61° 24′			51.5	10.8	96	ssw.			5		10		ssw.	5 h'r	5 h'r	high	sw.	raining.
S. S. Scandinavian, N 53° 02′, W. 21° 49′			47	8.3		w.			9		10		w.	6 h'r	6 h'r	h'vy	w.	overcast.
S. S. Dorian, N. 36° 22′, W. 7° 30′	29.73	755 1	62	16.7		nnw.			6		6		n.	8 h'r	8 h'r	h'vy	var.	d. clouds
S. S. Westphalia, Hamburg, Germany			57	13.9		ssw.			6		10		ssw.			h'vy		cloudy.
S. S. Moravia, N. 43° 10′, W. 44° 48′			64.4	18		se.			2		2		se.	0	0	r'gh	wnw.	clear.
S. S. Hevelius, N. 50° 25′, W. 2° 30′ †	29.34	745.2	52	11.1		s.			4-5		5		s.	0	0			fair.
S. S. Archimede, (It.) Marseille, France†	29.81	757.2	66	18.9		sse.			6		9		ssw.	1 h'r	1 h'r	sm'h		cloudy.
S. S. Baltimore, N. 41° 21′, W. 46° 14′ *	29.30	744.2	64.4	18.0		se.			5		4		se.	0	0			clear.
S. S. Pennland, Antwerp, Belgium *†	29.47	748.5	56	13.3	94	s.			4		5		sw.	0	0	long	wsw.	fair.
S. S. Amsterdam, Amsterdam, Holland			55.4	13.0	86	ese.			2		10			3 h'r	3 h'r			rainy.
S. S. Zaandam, N. 40° 00′, W. 58° 42′						s.			2		3		se.	0	0			fair.
S. S. Maasdam, N. 43° 16′, W. 33° 13′*	29.69	754.1	54.5	12.5	74	wsw.			2		7		wsw.	9 h'r	9 h'r	h'vy	w.	cloudy.
S. S. Baltic, N. 40° 31′, W. 73° 12′						nw.			4		8		nw.					cloudy.
S. S. Salerno, N. 40° 33′, W. 70° 25′ †	29.32	744.7	38	3.3		wnw.			7-8		5		wnw.	0	0	3	nnw.	fair.
S. S. Iowa, N. 48° 11′, W. 25° 31′ †	29.46	748.3	49	9.4		wnw.			6		6		wnw.	0	0	r'gh	wnw.	cloudy.
Bg. Alcira, N. 20° 36′, W. 62° 58′	29.99	761.7	78	25.6		ene.			4		5		n.	3 h'r	3 h'r	r'gh	wnw.	fair.
						sw.			2		2		sw.	0	0	mod.	n.	fair.
																long	nw.	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from.	
District No 1—*North Atlantic.*—Continued.																		
S. S. Antonio Lopez, Havana, Cuba, W.I	30.03	762.7	66	18.9	92	calm			0		0			0	0	sm'h		hazy.
Schr. Arthur Burton, Ponce, Porto Rico, W.I †	30.06	763.5				ne.			1		2		ne.	0	0	long	nnw.	fine.
Schr. Annie R. Lewis, N. 21° 39′, W. 61° 22′ †	30.02	762.5	79	26.1		wsw.			4		3		w.	0	0	hv'y	wnw.	clear.
Schr. Annie A. Holton, N 32° 49′, W. 69° 40′ *†	29.71	751.6	60	15.6		nw.			6		2		nw.	0	0	mod.	nw.	fair.
Bk. Aureola, N. 30° 38′, W. 32° 47′†	30.15	765.8	68	20.0	84	wnw.			3		3		nnw.	0	0	mod.	e	clear.
Bgt. Achsah, N. 15° 15′, W. 62° 40′†	30.05	763.3	80	26.7		e.			5		2		e	0	0	mod	ene.	clear.
Bk. Adelaide, N 1° 43′, W. 40° 55′ *†	29.97	761.2	85	29.4		ene.			5		2		ene.	0	0			cloudy.
Schr. Abbie H. Gheen, N. 37° 45′, W. 72° 20′ *†	29.51	749.5	52	11.1		nw.			8									clear.
S. S. Bracadale, Port Said, Egypt *	29.91	759.7	72	22.2		var.			2		0			0	0			cloudy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana *†	29.96	761.0	78	25.6		ne.			4		10		ne.	4 h'r	4 h'r			
Bk. Cato, N. 49° 08′, W. 4° 55′†	29.33	745.0	57	13.9	81	s.			5		2		sse.	0	0	mod.	w.	hazy.
S. Cornelius, N. 33° 37′ W 18° 14′ *†	29.80?	756 9?	61.2	16.2		w.			4		4		wnw.	3 h'r	3 h'r	cross	var.	fair.
Bk. Diamant, N. 38° 33′, W. 66° 25′	29.24	742.7	47.3	8.5	89	nw.			8		10		nw.	6 h'r	6 h'r	7	nw.	raining.
S. E. J. Spicer, N. 40° 35′, W. 70° 00′	29.34	745.2	40	4.4	91	nw.			7		10		nw.	6 h'r	6 h'r	mod.	nw.	overcast.
Schr. Edith R. Seward, N. 34° 11′, W. 69° 04′			60	15.6		wnw.			7		5?		nw.	0	0	h'vy	wnw.	clear.?
U. S. Fish Com. S.S Fish Hawk, Charleston, S.C†	29.94	760.5	55	12.8		nw.			2		8		nw.	0	0	sm'h		cloudy.
S. Ismir, N. 2° 48′, W. 38° 54′						ne.			4		2		ne.	0	0	long	e.	clear.
Bg. George, N. 24° 59′, W. 68° 34′ *†	30.02	762.5				wnw.			2		2			0	0.	long	nnw.	smoky.
Bk. Gloire, N. 41° 12′, W. 72° 30′	29.48	748.8	40	4.4	73	wnw.			4				wnw.	3 h'r	3 h'r			cloudy
S. Grecian, N 38° 06′, W. 35° 50′†	29.88	758.9	66	18.9	79	sw.			4		8		sw.	0	0			fair.
Bk. Galeon, N. 13° 10′, W. 48° 46′†	30.05	763.3	77	25.0		ene.			4		3		ene.	0	0	long	ne.	blue sky.
S. Hedwig, N. 43° 39′. E. 14° 41′	29.89	759.3	62.6	17.0	83	wnw.			2		2		nw.	0	0	sm'h		fine.
Bk. Hattie G. McFarland, N 19° 20′, W. 83° 27′			79	26.1		e.			4		4		e.	0	0	sm'h	e.	fine.
Bk. Horace Scudder, Gaboon river, Guinea			76†	24.4†		s.			2		8		sw.	6 hr	6 hr			cloudy
Schr. Jennie N. Huddell, Delaware Bay			50	10.0		wnw.			6		0			0	0	chop	nw.	clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I *†	30.02	762.5				ssw.			1		0			0	0			hazy.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†	30.07	763.8				ne.			2		0							clear.
Schr. John Bird, Zaza, W.I †	29.95	760.7				ene.			2				ene.	0	0			fine.
Schr. Jenny Greenbank, N. 10° 16′, W. 60° 30′ *	29.97	761.2	78	25.6		e.			3		4		e.	½ h'r	½ h'r	mod.	ne.	
Schr. Jenny R Morse, off Georgetown Light, S.C†	29.88	758.9				wnw.			2		0			0	0	sm'h	sw.	clear.
Light-house tender Laurel, Key West, Fla†	29.98	761.5	76	24.4		se.			0–1		1		se.	0	0	long		clear.
S. S. Mendoza, N. 19° 30′, W. 57° 48′						se			1				se.	0	0	h'vy	nw.	clear.
Schr. Martinique, N. 34° 48′, W. 68° 47′			55	12.8		nw.			8		6		nw.	0	0	mod.	nw.	fair.
Bg. Rising Sun, N. 20° 30′, W. 55° 25′†	30.00	762.0	76	24.4		ssw.			4		1		ssw.	0	0	long	ssw.	
Bk. Rosalie, N 23° 57′, W. 32° 31′ *†	30.08	764.0				n.			1		3		nne.	0	0	long	nw.	clear.
Bkt. Rosebud, N. 33° 45′, W 17° 25′ *	29.67	753.6	60	15.6		nw.			4		5		w.	4 h'r	4 h'r	h'vy	nww	fair.
S. Salisbury, N. 42° 01′, W. 44° 07′	29.40	746 7	62.8	17.1	92	ssw.			6–7		7 ks		var.	16 h'r	16 h'r	cross	var.	cloudy.
Bk. Saga, N. 32° 48′, W. 53° 50′†	29.65	753.1	65	18.3					9		6			½ h'r	½ h'r	9		fair.
Bk. Sunbeam, Lisbon, Portugal†	29.58	751.3	61	16.1	88	wsw.			4		8		wsw.	14 h'r	14 h'r			cloudy.
Bgt. Sunlight, N. 35° 10′, W. 69° 15′†	29.49	749.0				nw.			8		7		nw.	1 h'r	1 h'r	h'vy	nw.	gale.
S. Stephen D. Horton, N. 42° 23′, W. 51° 22′						s.			4		3		sse.	8 h'r	8 h'r	long	sw.	clear.
Bk. Silica, N. 58° 35′, W. 45° 20′ *	30.07	763.8				nne.			7		10		nne.	snow	snow			light snow.
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I			75	23.9		sw.			1		0			0	0			clear.
Schr John Bracewell, Philadelphia, Pa†	29.58	751.3	41	5.0		nw.			4		0			0	0			clear.
District No. 2—*South Atlantic.*																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.78	756.4	63	17.2	83	w.	4	1.8			2		w.	0.05	1.3			fair.
U. S. S. Pensacola, S. 5° 33′, W. 24° 24′†	30.02	762.5	79	26.1	91	ne.			4–5		10		ne.	0.71	18.0	mod	se.	cloudy.
U. S. S. Shenandoah, S. 39° 04′, W. 57° 21′ *	30.04	763.0	63	17.2	89	wnw.			5		10		w.			sm'h		rainy.
H. M. S. Amethyst, Montevideo, Uruguay	29.91	759 7	65	18.3	84	ne.			2		5		se.					d. clouds.
H. M. S. Boadicea, S. 34° 18′, E. 18° 13′	29.93	760.2	55	12.8		nne.			2							1	sw.	foggy.
H. M. S. Sylvia, S. 38° 58′, W. 32° 45′	29.99	761.7	59	15.0	73	ne.			2		9		calm			2	n.	d. clouds.
Bk. Achille F., S. 16° 45′, W. 35° —′* †	29.96	761.0	82	27.8	79	n.			4		7		nne.	0	0	long	ssw.	squally.
Bk. Bore, S. 2° 56′, W. 27° 07′ *†	30.03	762.7	86	30.0		se.			4		5		se.	3 h'r	3 h'r			fair.
S. Frank N. Thayer, S. 20° 04′, W. 26° 00′ *	29.88	758.9	83	28.3	67	nne.			5		2 k		nne.	0	0	long	ssw.	blue sky.
S. Gatherer, S. 24° 42′, W. 42° 05′†	30.02	762.5	77	25.0	91	se.			3		2		se.	½ h'r	½ h'r	sm'h	se.	clear.
Bkt. Levanter, S. 11° 52′, W. 35° 44′	29.95	760.7	83	28.3		ne.			4		5		ene.	0	0	light	e.	fair.
S. Ringleader, S. 1° 25′, W. 28° 00′ †	29 85	758.2	80	30.0	68	ese.			3		5		ese.	2 h'r	2 h'r	sm'h		fair.
S. S. Strassburg, S. 18° 35′, W. 37° 48′	29.99	761.7	81.0	27.2	76	wsw.			3		8		w.	14 h'r	14 h'r	3	se.	covered.
Bk. Xenia, S 15° 36′, W. 29° 44′ *†	30.07	763.8	83	28.3		ne.			4		3		ne.	0	0	mod.	s.	clear.
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela	29.87	758.7	70.1	24 5	83	wnw.			3		2			0	0	2		blue sky.
District No. 3—*North Pacific.*																		
U. S. S. Adams, Sitka, Alaska†	30.21	767.3	40	4.4	91	nne.			1		5							fair.
U. S. Naval Hospital, Yokohama, Japan			48	8.9	100	nnw.			1		10		n.	2.00	50.8			raining.
U. S. S. Alert, Shanghai, China	30.10	764.5	55	12.8	93	ne.			3		10							cloudy.
U. S. S. Essex, N. 25° 50′, E. 161° 56′	30.22	767.0	70	21.1	85	ene.			5		5		ene.	0	0	sm'h	ene.	fair.
U. S. S. Juniata, Fernande Island, Corea	30.01	762.2	41	5.0	91	nw.			3		8							cloudy.
U. S. S. Monocacy, Canton river, China	29.89	759.2	66	18.9	94	e.			2		10		e.	light	light			cloudy.
U. S. S. Richmond, Hong Kong, China	29.94	760.5	68	20.0	100	ene.			3		10		sw.	0.7	18.			misty.
H. M. S. Audacious, Hong Kong, China	29.92	760.0	68	20.0	95	ene.			3		8	e.						drizzling.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.07	763 8	53	11.7	93	e.			4		9					sm'h		d. clouds.
H. M. S. Flying Fish, N. 25° 58′, E. 119° 27′	30.02	762.5	62	16.7	93	se.			1		5							misty.
H. P. M. S. Tamega, Macao, China	29.93	760.2	69.8	21.0	89	se.			3		9			1 h'r	1 h'r			overcast.
U. S. S. Palos, Shanghai, China	30.05	763.3	50	10.0	100	ne.			3		10		calm					cloudy.
U. S. S. Arabic, N. 26° 32′, E. 178° 59′ *†	30.17	760.3	70	21.1	95	e.			4		2		ese.	0	0	sm'h		blue sky.
S. S. City of Chester, Eureka, Cal †	29.98	761.5	47	8.3	77	calm			0		10			0	0			
S. S. Oregon, Portland, Oregon			57	13.9	85	calm			0		0							clear.
S. S. Oceanic, N. 25° 38′, E. 120° 46′	30.05	763.3	67	19.4	79	var.			4		8		sw.	0	0	2		cloudy.
S. S. Alameda, N. 29° 40′, W. 141° 22′†	30.00	762.0	60	15.6		w.			5		8		w.	rain	rain	r'gh	w.	overcast.
S. S. State of California, N. 40° 51′, W. 124° 30 †	29.95	760.7	50	10.0	86	sse.			3		7		w.	0	0	sm'h		cloudy.
S. S. City of Pekin, N. 28° 41′, E. 128° 26′†	30.02	762.5	64	17.8	73	nw.			4		0					light	nw.	clear.
S. S. City of Rio de Janeiro, N 30° 41′, W. 150° 15′†	30.25	768.3	58	14.4		wnw.			5		9		wnw.			large	nw.	overcast.
S. S. Colima, N. 24° 57′, W. 112° 42′†	30.03	762.7	61	16.1	82	nw.			2		1		nw.	0	0	small	nw.	fair.
S. S. Granada, N. 12° 03′, W. 87° 49′†	29.89	759.2	80	26.7	78	e.			2		3		nw.	0	0	light		clear.
S. S. San Blas, Panama, Panama†	29.92	760.0	76	24.4	100	calm			0		7		se.	0	0	sm'h		cloudy.
S. S. Benalder, Saigon, Cochin China	29.90	759.4	83	28.3	87	ese.			3		0							clear
District No. 4—*South Pacific.*																		
U. S. S. Iroquois, Iquique, Peru	30.04	763.0	63	17.2	77	calm			0		10					sm'h		cloudy.
U. S. S. Lackawanna, Callao, Peru	29.96	761.0	70	21.1	90	calm			0		10							cloudy.
U. S. S. Onward, Callao, Peru *†	30.04	763.0	68	20.0	100	calm			0		10		se.			sm'h		cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.97	761.2	56	13.3	87	calm			0		0							clear.
U. S. S. Wachusetts, Valparaiso, Chili	29.99	761.7	57	13.9	94	calm			0		0							clear.
H. M. S. Nelson, Sydney, N.S.W.	30.01	762.2	65	18.3	95	sw.			2		10							raining.
H. M. S. Sappho, S. 29° 55′, W. 71° 20′	29.96	761.0	59	15.0	100	calm			0		10							misty.
S. S. Australia, S. 33° 19′, E. 177° 43′ *	29.95	760.7	68	20.0	84	nw.			4		4		w.	0	0	mod	w.	
S. S. City of Sydney, S. 19° 44′, W. 173° 09′ *†	29.97	761.2	80	26.7	82	e.			3				e.			mod.	ese.	clear.
District No. 5—*Indian Ocean.*																		
U. S. S. Trenton, N. 11° 20′ E. 75° 02′	29.83	757.7	86	30.0	88	W			2		2		w.			sm'h		clear.
H. M. S. Euryalus, Massuah, Abyssinia	29.85	758.2	81	27.2	87	ne.			2		5	calm						d. clouds.
H. M. S. Magpie, S 10° 35′, E. 90° 30′	29.89	759.2	80.5	20.9	78	ese.			4		0	ese.				4	se.	d. clouds.
S. J. W. Gildemeister, S. 12° 57′, E 93° 21′	29.92	760.0	80.6	27	80	sse.			4		8		ese.	0	0	4	se.	overcast.
Bk. Nouva Margherita, S. 7° 17′, E. 104° 38′ * †	29.80	759.9				sw.			1				sw.	0	0	long	s.	fair.
S. Orealia, N. 6° 30′, E. 83° 01′ *	29.82	757.4				e.			4		5		ne.	0	0	sm'h		fair.
S. S. Lepanto, Suez, Egypt	29.91	759.7	74	23.3		ese.			2		2		nw.	0	0	sm'h		clear.

International Chart I. April 5, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 6, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Kemours	.....	.....	29.87	758.6	66.6	19.2	74	se.	.....	.....	1	.....	6	.....	.....	0.118	3.0	cloudy	Roziere.
Algiers	.....	.....	29.77	756.2	67.3	19.6	60	w.	.....	.....	7	.....	8	.....	.....	0	0	very cloudy	Théve.
La Calle	.....	.....	29.85	758.1	87.4	30.8	28	wsw.	.....	.....	5	.....	3	.....	.....	0	0	pretty fair	Fonfrède.
Tunis	.....	.....	29.90	759.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.90	759.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.93	760.2	84.2	29.0	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	30.02	762.5	71.2	21.8	67	w.	.....	.....	4	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.39	771.9	53.8	12.1	81	sse.	8	3.6	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.05	763.3	30.24	768.1	55	12.8	88	nw.	10	4.5	.....	.....	10	.....	nnw.	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	30.16	766.0	30.25	768.3	60.0	15.6	76	s.	9	4.0	.....	.....	6	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.39	746.5	29.93	760.2	64.0	17.8	39	se.	.....	.....	1	.....	8	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.25	743.0	30.03	762.7	47.8	8.8	55	ene.	11.9	5.3	.....	.....	10	.....	..	0	0	.....	Dr. Wierzbiski
Eperies	29.13	739.9	30.02	762.4	49.6	9.8	40	n.	.....	.....	2	.....	0	.....	.....	0.008	0.2	.....	Julius Mikolik.
Gratz	28.70	729.0	29.93	760.3	61.0	16.1	46	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.57	725.6	30.02	762.6	47.3	8.5	51	se.	.....	.....	4	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.47	723.2	29.78	756.5	59.9	15.5	53	ene.	.....	.....	4	.....	7	.....	.....	0	0	fair	The Staff.
Lemberg	29.05	737.9	30.07	763.8	40.3	4.6	64	ne.	.....	.....	3	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.84	757.9	29.95	760.7	65.5	18.6	57	sse.	.....	.....	2	.....	5	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.49	749.0	.....	.....	50.0	10.0	35	ne.	.....	.....	4	.....	0	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.71	754.5	29.99	761.7	54.3	12.4	48	n.	.....	.....	2	.....	2	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.85	758.3	29.95	760.8	61.7	16.5	70	n.	.....	.....	1	.....	6	.....	.....	0	0	.....	Royal Academy.
Vienna	29.25	742.9	29.96	760.9	59.4	15.2	39	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	60.1	15.6	68	ssw.	.....	.....	4	.....	3	.....	.....	0.327	8.3	raining	
Brussels	29.47	748.4	29.66	753.4	59.7	15.4	72	ese.	.....	.....	1	.....	10	.....	sse.	0.043	1.1	.....	
Furnes	29.64	752.8	29.66	753.3	59.0	15.0	68	sse	.....	.....	2	.....	10	.....	.....	0.079	2.0	.....	
Maeseyck	29.58	751.4	29.71	754.6	64.0	17.8	74	w.	.....	.....	1	.....	9	.....	.....	0.268	6.8	.....	
BRITISH.																			
Aberdeen	29.29	744.0	29.39	746.5	48.0	8.9	85	s.	20	8.9	.....	.....	6	.....	.....	0.020	0.5	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.52	749.8	56.0	13.3	54	sw.	16	7.2	.....	.....	8	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	28.99	736.3	29.52	749.8	54.4	12.4	62	sw.	21	9.4	.....	.....	6	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.16	740.7	29.56	750.8	54.1	12.3	61	s.	.....	.....	2	.....	10	.....	.....	0.02	0.5	overcast	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.98	761.5	30.00	762.0	82.6	28.1	74	ne.	.....	.....	2	.....	1	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E.	29.46	748.3	29.63	752.6	55.1	12.8	77	s.	.....	.....	1	.....	10	.....	.....	blank	blank	gloomy	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.30	744.2	29.53	750.0	51.6	10.9	84	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.53	699.2	29.84	757.9	90.0	32.2	37	s.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	29.66	753.4	29.90	759.4	87.0	30.6	72	n.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	29.32	744.7	29.35	745.5	52	11.1	73	se.	.....	.....	3	.....	4	.....	.....	0.28	7.1	threatening	Wm. Ryan.
Gibraltar, Mediterranean	29.97?	761.2?	30.07?	763.8?	60.4	15.8	92	nw.	.....	.....	5	.....	10	.....	.....	.....	.....	raining	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.45	748.0	29.62	752.3	57.9	14.4	71	ssw.	.....	.....	1	.....	9	.....	.....	.....	.....	cloudy	The Staff.
Guernsey	29.29	744.0	29.59	751.8	50.2	10.1	93	s.	.....	.....	1	.....	10	.....	.....	0.13	3.3	overcast	A. Collenette, F.R.M.S
Kew, Observatory	29.59	751.6	29.63	752.6	57.7	14.3	64	ssw.	10	4.5	.....	.....	8	.....	.....	.....	.....	d clouds	The Staff.
Leicester, Museum	29.26	743.2	29.51	749.5	58.0	14.4	58	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.83	757.7	29.91	759.7	66.2	19.0	75	se.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.77	756.1	29.82	757.4	79.5	26.4	74	sw.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.37	746.0	29.60	751.8	56.0	13.3	63	s.	.....	.....	3	.....	7	.....	.....	.....	.....	misty	The Staff.
Plymouth	29.46	748.3	29.53	750.0	55.0	12.8	84	s.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkney	29.18	741.2	29.28	743.7	48.2	9.0	87	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.93	760.2	30.00	762.0	52.6	11.4	56	ne	.....	.....	2	.....	3	.....	.....	blank	blank	d. clouds	W. H. Lyne.
Sheffield	29.29	741.0	29.56	750.8	60.3	15.7	61	sw.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky	W. F. Cooper.
Silloth Rectory	29.44	747.8	29.47	748.5	54.0	12.2	82	sw.	.....	.....	4	.....	3	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.55	750.6	54.0	12.2	61	wsw.	15	6.7	.....	.....	10	.....	.....	0.035	0.9	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	55.6	13.1	75	s.	.....	.....	1.5	.....	10	.....	.....	.....	.....	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.37	746.0	29.40	746.7	51.5	10.8	67	s	24	10.7	.....	.....	6	.....	.....	blank	blank	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.62	752.3	30.00	762.0	66.6	19.2	72	s.	7.5	3.4	.....	8 c	0	w.	.....	0	0	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.81	757.2	29.93	760.2	75.5	24.2	89	s.	8	3.0	.....	.....	9 k	.....	ssw.	0.010	0.3	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B	29.44	747.8	29.48	748.8	39	3.9	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.23	742.4	29.27	743.4	35	1.7	95	n.	15	6.7	.....	.....	10 n	.....	.....	0.22	5.6	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.37	746.0	29.43	747.5	37	2.8	92	ne.	8	3.6	.....	.....	10 n	.....	ne.	0.13	3.3	overcast	G. A. Blair.
Cornwall, Ontario	29.52	749.8	29.72	754.9	26.0	— 3.3	83	w.	.....	.....	1	.....	10 s	.....	.....	0.150	3.8	overcast	Jas. Smith, M. A.
Dalhousie, N. B	29.41	747.0	29.47	748.5	36.5	2.5	.....	calm	.....	.....	0	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec*	29.53	750.0	29.55	750.6	33	0.6	88	sw.	8	3.6	.....	.....	fg.	.....	.....	0.03	0.8	dense fog	J. McWilliams
Fort Garry, Manitoba*	29.10	739.1	30.00	762.0	14	—10.0	100	n.	21	9.4	.....	.....	10 n	.....	n.	0.55	14.0	snowing	James Stewart.
Fredericton, N. B	29.38	746.2	29.44	747.8	38.1	3.4	91	nw	7	3.1	.....	.....	10 s	.....	.....	0.035	0.9	overcast	Dr. Thos. Harrison.
Grand Manan, N. B	29.35	745.5	29.40	746.7	38	3.3	89	n.	10	4.5	.....	.....	10 ks	.....	n.	0.07	1.8	cloudy	J. Chipman Seeley
Granton, Ontario	28.74	730.0	29.90	759.4	26.2	— 3.2	98	calm	0	0	.....	0	.....	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.13	739.9	29.26	743.2	37	2.8	85	nw.	10	4.5	.....	10 k	0	.....	.....	0.305	7.8	cloudy	A. Allison.
Hamilton, Ontario	29.45	748.0	29.86	758.4	35.5	1.9	91	sw.	.....	.....	1	5 k	0	sw.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.42	747.3	29.78	756.4	27	— 2.8	77	nw.	9	4.0	.....	.....	10 ks	.....	nw.	0.06	1.5	cloudy	A. P. Knight, M. A
Little Glace Bay, N. S	29.18	741.2	29.22	742.2	25.0	— 3.9	100	n.	.....	.....	1	.....	10 n	.....	.....	0	0	fogky	O. H. Rigby.
London, Ontario	28.98	736.1	29.93	760.2	26.7	— 2.9	89	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.91	708.9	30.35	770.9	20	— 6.7	92	w.	3	1.3	.....	0	0	.....	.....	0	0	blue sky	John Ewart.
Minnedosa, N. W. T	28.04	712.2	30.12	765.0	11	—11.7	83	n.	12	5.4	.....	3 ck	7 s	se.	n.	0.50	12.7	cloudy	Rev. J. M. Wellwood
Montreal, Quebec*	29.49	749.0	29.70	754.4	26	— 3.3	76	w.	8	3.6	.....	.....	10 s	.....	ne.	0.07	1.8	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.53	750.0	29.76	755.9	24.4	— 4.2	75	nw.	.....	.....	.....	.....	10 ks	.....	.....	0	0	overcast	A. McCill, M. A.
Parry Sound, Ontario*	29.15	740.4	29.89	759.2	23	— 5.0	88	n.	7	3.1	.....	1 cs	2 ks	n.	n.	0	0	fair	Rev. R. Mosley.
Peterboro, Ontario	29.04	737.6	29.77	756.1	28.5	— 1.9	73	w.	.....	.....	2	3 c	3 ks	w.	.....	0.02	0.5	d. clouds	Wm. O'Connor, M.A.
Port Arthur	29.36	745.7	30.09	764.3	30	— 1.1	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.36	745.7	30.09	764.3	30	— 1.1	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.17	740.9	29.89	759.2	26	— 3.3	88	n.	5	2.2	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	29.24	742.7	29.92	760.0	27	— 2.8	88	nw.	2	0.9	.....	0	0	.....	.....	0	0	light snow	Leslie Gordon.
Quebec, Quebec*	27.76	705.1	30.17	766.3	18	— 7.8	.....	nw.	18	8.0	.....	8 cs	4 n	nw.	nw.	0.10	2.5	cloudy	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.22	742.2	29.59	751.6	30	— 1.1	92	sw.	16	7.2	.....	10 ck	0	sw.	.....	0.11	2.8	cloudy	Capt. Ashe, R. N.
St. Andrews, N. B	29.35	745.5	29.84	757.9	24	— 4.4	76	nw.	12	5.4	.....	5 ck?	0	nw.	.....	0.04	1.0	cloudy ?	W. H. McIntyre.
St. John, N. B	29.34	745.2	29.39	746.5	39	3.9	89	nnw.	4	1.8	.....	.....	10 n	.....	.....	0	0	overcast	
St. Pierre, N. F	29.23	742.4	29.37	746.0	37.0	2.8	94	n.	16	7.2	.....	.....	10 n	.....	.....	0.005	0.1	overcast	G. Hutchinson.
Saugeen, Ontario*	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Stratford, Ontario	29.17	740.9	29.92	760.0	26	— 3.3	88	n.	15	6.7	.....	0	0	.....	.....	0	0	clear	
	28.57	725.7	29.92	760.0	24.5	— 4.2	66	nw.	3	1.3	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
Canadian.—(Continued.																			
Sydney, C. B*	29.17	740.9	29.23	742 4	35	1.7	100	ne.	6	2.7	.....	.....	10 n	.....	.....	0.12	3.0	foggy	**T.C.Hill, C.E.**
Toronto, Ontario*	29 48	748.8	29.88	758.9	27	— 2.8	80	n.	14	6.3	.....	0	0	.....	.....	inap	inap	clear	**Magnetic Observatory.**
Woodstock, Ontario	28.82	732.0	29.93	760.2	28.0	— 2.2	84	nw.	9.0	4.0	.....	0	0	.....	.....	0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.29	743 7	29.36	745.7	37	2.8	92	n.	12	5.4	.....	.....	10 k	.....	n.	0.15	3.8	cloudy	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt.House	29.92	760.0	29.95	760.7	68.5	20.3	95	sw.	.....	.....	.....	0	8 k	.....	.....	0	0	fine	**I. Garfelt.**
Cape Town, The Castle	29.89	759.2	.....	.....	77.0	25.0	38	sw.	.....	.....	.....	0	4 k	.....	.....	0	0	.....	**Capt.R.Gardner Warton**
Springbok Fontein	27.87	706.9	.....	.....	78	25.6	42	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace.
Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	58.1	14.5	83	se.	.....	.....	4	0	.....	.....	.....	0	0	clear	**Leon Herrera.**
Valparaiso	29.80	756.9	29.94	760 5	57.9	14.4	86	se.	.....	.....	1	0	0	.....	.....	0	0	clear	**Paez-I-Ampuero.**
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.16	766.0	30.18	766.6	41.2	5.1	89	ne.	11.2	5.0	.....	.....	10 n	.....	.....	0.465	11.8	raining	**M.Marc Dechevrens,S. J**
Danish.																			
Copenhagen	29.90	759 4	29.95	760.6	49.3	9.6	70	sse.	25	11	.....	.....	8	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	29.78	756.4	29.80	756.9	50.0	10.0	84	sse.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	Overloerer Laurdsen.
Godthaab, Greenland	29.98	761.4	30.02	762.5	23.4	— 4.8	86	nw	.....	.....	2	.....	10	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Greenland	30.01	762.3	30.03	762.8	33.4	0.8	.....	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	snowing	
Stykkisholm, Iceland	29.41	747 0	29.45	748.1	24.8	— 4.0	87	ne.	.....	.....	8	.....	10	.....	.....	.....	.....	snowing	A. O. Thorlacius.
Thorshavn	29.65	753.0	29.67	753.6	50.0	10.0	88	se.	13	6	.....	.....	7	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	29.82	757.5	29.87	758.7	—17.1	—27.3	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	foggy	
Vestervig	29.71	754.5	29.80	756.8	47.3	8.5	88	sse.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	Loerer Oesterbol.
Egyptian.																			
Cairo	29.85	758.2	.....	.....	73.8	23.2	.....	w.	2.2	1.0	.....	0	4 k	.....	.....	0	0	.....	**Albert Ismaïun, Dir.**
French.																			
Agen, Normal School	29.13	740.0	29.78	756 3	64.4	18	59	sse.	.....	.....	1	.....	10 n	.....	sw.	0	0	.....	M. Latoroue, Director.
Alençon, Normal School	29.08	738 6	29.63	752.6	48.2	9	97	s.	.....	.....	1	.....	5 n	.....	n.	0.008	0.2	.....	M. Nicot, Director.
Arras, Normal School	29.29	743.9	29.52	749.9	57.9	14.4	72	ene.	.....	.....	1	.....	2	.....	n.	0	0	slightly cl'dy	**M.Ungerer, Director.**
Avignon, Normal School	29.53	750.1	29.61	752.1	68.7	20.4	46	ese.	.....	.....	1	.....	5	.....	s.	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.02	737.0	29.55	750.6	67.1	19.5	46	se.	.....	.....	2	.....	5	.....	w.	0.323	8.2	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.34	745.2	29.60	751.8	58.5	14.7	68	e.	.....	.....	1	.....	10	.....	e.	0.008	0.2	covered	M. Frère Eugène Marie.
Besançon, Normal School	28.66	728.0	29.50	749 2	78.8	26.	24	s.	.....	.....	4	.....	s	.....	ne.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.22	742 3	29.48	748.8	57.4	14.1	84	s.	.....	.....	1	.....	10	.....	.....	0.634	16.1	sprinkling	M. Rayet, Director.
Bourges, Normal School	29.01	736.8	29.55	750.5	66.2	19	59	ese.	.....	.....	1	.....	10	.....	ese.	0.445	11.3	covered	M. **Sauvageot, Director.**
Brest, Naval Observatory	29.37	746.1	29.61	752.2	57.9	14.4	71	sw.	.....	.....	2	.....	6	.....	ssw.	0.098	2.5	.....	M. de Kermarée, Dir.
Caen, Normal School	29.51	749.5	29.58	751 4	52.5	11.4	97	s.	.....	.....	1	.....	10	.....	.....	0	0	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.28	743.8	29.60	751.7	66.7	19.3	68	sse.	.....	.....	2	.....	5	.....	s.	0.126	3.2	cloudy	M. Jadot, Director.
Charleville, Normal School	29.17	740.8	29.69	754.0	60.8	16.0	83	sse.	.....	.....	1	.....	8	.....	sse.	0.354	9.0	¾ covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.19	715.9	29.55	750 6	70.0	21.1	39	se.	.....	.....	2	.....	10	.....	.....	0.016	0.4	.....	M. Allnard, Director.
Cluny, Normal School	28.76	730.4	29.58	751 4	70.5	21.4	34	s.	.....	.....	4	.....	4	.....	s.	0	0	.....	M. de Villemontée, Dir.
Commercy, Normal School	28.86	733.0	29.64	752 9	64.0	17.8	67	ese.	.....	.....	4	.....	n	ese.	ese.	0.098	2.5	.....	Dr. Coulet, Director.
Gap, Normal School	27.08	687.9	29.59	751.6	61.7	16.5	56	e.	.....	.....	1	.....	8 n	w.	w.	0.295	7.5	.....	M. Jarach, Director.
Gréasque, du Rhone	28.53	724.7	29.63	752.6	63.1	17.3	52	se.	.....	.....	8	.....	10	.....	se.	0	0	.....	M. Kina, Director.
Grenoble. Normal School	28.86	733 0	29 59	751.6	72.3	22.4	34	ssw.	.....	.....	8	.....	kn	.....	s.	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28 05	712 5	29.55	750 5	61.7	16.5	56	sw.	.....	.....	1	.....	n	.....	sw.	0.236	6.0	.....	M. Delorme, Dir.
Lamballe Normal School	29.26	743.3	29.54	750.3	52.9	11.6	85	se.	.....	.....	1	.....	10 kn	.....	se.	0	0	covered	**M. Polipre, Dir.**
Lescar, Normal School	28.97	735.7	29.48	748.7	59.7	15.4	75	n.	.....	.....	1	.....	10 s	.....	.....	0	0	covered	M. Chauvin, Director.
Lorient, Naval Observatory	29.52	749.8	29.62	752 4	55.4	13.0	75	s.	.....	.....	2	.....	10	sw.	s.	0	0	covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28 54	724.9	29.56	750.8	65.8	18.8	53	sse.	.....	.....	1	.....	10 n	.....	ssw.	0	0	covered	M. André, Director.
Mans, Normal School	29.26	743.3	29.57	751 1	47.8	8.8	97	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	M. Richard, Director
Marseille, Observatory	29.28	743.6	29.54	750.3	69.1	20.6	47	ese.	.....	.....	10	.....	10	.....	ssw	0.031	0.8	.....	M. Stephan, Director.
Montlouis	24.41	620 1	29.26	743 1	50.9	10.5	29	sw.	28.0	12.5	.....	.....	5	w.	.....	0.287	7.3	.....	M. Cave for Dr. Finot.
Montpellier, Normal School	29.54	750 2	29.65	753.0	61.5	16.4	93	s.	.....	.....	4	.....	10	nw.	.....	0	0	covered	M. Galzin, Director.
Nancy, Normal School	28.86	733.1	29.62	752 3	68.0	20.0	43	se.	.....	.....	1	.....	en	.....	.....	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	29.42	747.2	29.58	751.3	53.4	11.9	79	ese.	.....	.....	1–2	.....	10 n	.....	ese.	0.024	0.6	.....	M. Larocque, Director.
Perpignan, Observatory	29.43	747 6	29.54	750.4	62.1	16.7	74	se.	11.2	5.0	.....	.....	9	s.	se.	0.201	5.1	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20.81	528.4	.....	.....	28.8	— 1.8	.....	sw.	.....	.....	1	.....	8	.....	sw.	0	0	very cloudy	**M. Vaussenat, Director.**
Privas, Normal School	28.56	725.5	29.59	751.6	65.7	18.7	63	s.	.....	.....	1	.....	2	s.	s.	0.28	7.	slightly cl'dy	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.72	628.0	.....	.....	45.5	7.5	79	sse.	.....	.....	8	.....	10	.....	.....	0.181	4.6	foggy	M. Allnard.
Rochefort, Naval Obs'y	29.50	749.4	29 54	750 2	52.7	11.5	86	nnw.	.....	.....	2	.....	10	.....	.....	nnw.	0.28	7	covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.32	744.6	29.53	750.0	52.9	11.6	78	ne.	.....	.....	6	.....	.....	nw.	nw.	0.126	3.2	.....	**M Brothier, Director.**
Rodez, Normal School	27.52	698 9	29.61	752.2	59.0	15.	60	e.	.....	.....	8	.....	5	.....	ne.	0.598	15.2	fair	M. Seger, Director.
Rouen, Normal School	29.60	751.8	29.65	753 0	55.4	13	77	w.	.....	.....	1	.....	10	.....	s.	0	0	covered	M. Mouillot, Dir.
Saint Maur, Observatory	29.40	746.8	29.57	751.0	60.3	15.7	78	ene.	.....	.....	1	.....	.....	.....	e.	0.075	1.9	.....	M. Renou, Director.
Toulouse, Observatory	28.82	732 1	29.53	750 1	65.5	18.6	63	sse.	.....	.....	10	.....	5	s.	.....	0.425	10.8	cloudy	M. Baillaud, Director.
Tours	29.35	745.4	29.52	749.8	51.8	11.0	86	ene.	.....	.....	2	.....	10	.....	e.	0.059	1.5	raining	M. de Tastes.
Versailles, Observatory	29.08	738.6	29.57	751.1	56.5	13.6	86	ne.	.....	.....	1	.....	10	.....	.....	0.039	1.0	covered	Dr. A. Bergny, Director.
Sub-series.																			
St. Martin du Hinx	29.41	747.0	29.56	750.8	51.4	10.8	93	w.	13.9	6.2	.....	.....	10 kn	.....	w.	1.268	32.2	.....	M. Carlier, Director.
German.																			
Ansbach	28.36	720.3	29.76	756.0	64.0	17.8	40	se.	.....	.....	6	.....	2	se.	.....	0	0	.....	Prof. Jnedt.
Bamberg	28.97	735.7	29.80	756.9	63.7	17.6	50	se.	.....	.....	3	.....	6 s	.....	.....	0	0	.....	Prof. Dr. Hoh.
Berlin	29.75	755.7	29.89	759 2	63.8	17.6	32	se.	.....	.....	4	.....	4	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.52	749.8	30.05	763.3	55.0	12.8	46	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	**Royal University Obs'y**
Carlsruhe	29.24	742.7	29.68	753 8	69.8	21.0	41	e.	.....	.....	3	.....	9	sw.	.....	0	0	.....	Albert Senz.
Cassel	29.05	737 8	29.76	755.9	64.8	18.2	41	se.	.....	.....	4	.....	5	se.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.38	746 3	29 73	755 2	68.0	20.0	38	se.	.....	.....	1	.....	9	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.30	718.8	29.67	753.5	65.5	18.6	52	wsw.	.....	.....	2	.....	4	w.	.....	0	0	.....	**Wilhelm, Chief Tel.**
Hamburg	29.72	754 8	29.81	757.1	61.9	16.6	45	sse.	.....	.....	4	.....	9	.....	.....	0	0	.....	E. Preller.
Kiel	29.78	756.5	29.80	756.9	59.0	15.0	45	ese.	.....	.....	2	.....	8	.....	.....	0	0	.....	Prof. Dr.G. **Karsten.**
Leipsic, Astron'l Obs'y	29.43	747 5	29.84	757 9	66.9	19.4	38	se	.....	.....	3	.....	8	.....	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	29.65	753.0	29.83	757.6	65.5	18.6	34	se.	.....	.....	3	.....	10	.....	.....	0	0	.....	**Weather Observatory.**
Memel	30.19	766.7	30.23	767.9	46.6	8.1	58	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	Issermann.
Munich	27.95	710.0	29.80	756.9	65.5	18.6	36	e.	.....	.....	4	.....	3	n.	.....	0	0	.....	Central Station.
Neufahrwasser	30.12	765.1	30.15	765.8	45.3	7.4	73	e.	.....	.....	3	.....	1	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.17	740.9	29.69	754 1	68.7	20.4	47	ne.	.....	.....	1	.....	4	ne.	.....	0	0	.....	Prof. Dicknether.
Stuttgart	28.76	730.6	29.62	752.3	69.8	21.0	36	n.	.....	.....	1	.....	4	w.	.....	0	0	.....	Prof. Dr. Schoder.
Wustrow	29.86	758 4	29.88	759.0	57.7	14.3	87	se.	.....	.....	4	.....	10 8	.....	.....	0	0	.....	Profs. Brandes & Reimer
Greek.																			
Athens	29.58	751.2	29.95	760.8	70.2	21.2	.....	s	.....	.....	1.5	4	.....	.....	.....	0	0	.....	Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.82	757.3	29.87	758.6	81.2	27.3	81	sw.	28.0	12.5	.....	.....	1	.....	.....	0	0	d. clouds	
Deesa	29.33	744.9	29.79	756.6	96.3	35.7	8	w.	20.0	8.9	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.79	756.6	29.83	757.6	87.1	30.6	56	nw.	18.0	8.0	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	27.98	710.8	29.78	756 3	96.0	35.6	10	nw.	26.0	11.6	.....	.....	1	.....	.....	0	0	d. clouds	
Bellary	29.59	751.5	29.86	758 5	93.9	34.4	41	e.	0.2	0.1	.....	.....	10	ne.	ne.	0	0	overcast	
Trichinopoly	28.32	719.4	29.74	755.4	98.0	36.7	17	se.	4.0	1.8	.....	.....	6	.....	.....	0	0	d. clouds	
Belgaum	27.31	693.7	29.77	756.1	93.4	34.1	18	sw.	5.0	2.2	.....	.....	4	.....	w.	0	0	d. clouds	
Lahore	29.01	736.9	29.74	755 5	85.5	29 7	31	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Roorkee	28.77	730.7	29.65	753.1	87.7	30.9	19	w.	10.0	4.5	.....	.....	4	w.	.....	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0-1-0	Clouds. Amount and kind. Upper. 0-10	Clouds. Amount and kind. Lower. 0-10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather	Observers.
INDIAN.—Continued.																			
Agra	29.17	741.0	29.72	754.9	94.9	34.9	29	w.	8.0	3.6	.....	.....	5	.....	w.	0	0	d. clouds	
Nagpur	28.71	729.3	29.71	754.7	99.9	37.7	13	w.	17.0	7.6	.....	.....	0	.....	.....	0	0	blue sky	
Jubbulpore	28.41	721.6	29.72	754.8	96.7	35.9	17	w.	8.0	3.6	.....	.....	4	sw.	.....	0	0	d. clouds	
Lucknow	29.35	745.6	29.72	754.9	93.0	33.9	23	nw.	14.0	6.3	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.37	746.1	29.68	753.7	96.4	35.8	18	nw.	.....	.....	.....	.....	2	.....	.....	0	0	d. clouds	
Patna	29.45	748.0	29.63	752.6	97.1	36.2	15	w.	12.1	5.4	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	29.71	703.9	29.67	753.6	89.4	31.9	13	wnw.	14.0	6.3	.....	.....	3	wnw.	.....	0	0	misty	
Cuttack	29.64	752.0	29.72	755.0	95.9	35.5	41	w.	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29.65	753.2	29.67	753.7	93.9	34.4	42	s.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Chittagong	29.69	754.1	29.78	756.4	80.6	27.0	85	s.	10.9	4.9	.....	.....	4	.....	s.	0	0	d. clouds	
Sibsagar	29.30	744.3	29.64	753.0	70.0	21.1	90	ne.	2.0	0.9	.....	.....	10	sw.	sw.	0.05	1.3	d. clouds	
Jeypore	28.30	718.0	29.71	754.5	94.2	34.6	17	nw.	15.0	6.7	.....	.....	0	.....	.....	0	0	blue sky	
Zanzibar	29 85	758.2	.....	.....	86.9	30.5	59	wsw.	4.8	2.1	.....	.....	5	sse.	.....	.....	.....	d. clouds	
ITALIAN.																			
Udine	29.55	750.5	29.95	760.8	62.6	17.0	61	se.	0.7	0.3	.....	.....	10	.....	.....	0	0	.....	Prof. Giovanni Clodig.
Milan	29.41	747.1	29.93	760.1	64.9	18.3	52	sw	3.8	1.7	.....	.....	7	w.	.....	0.051	1.3	.....	Prof. G.V.Schiapparelli
Padua	29.82	757.3	29.92	760.0	65.5	18.6	52	calm	0	0	.....	.....	4	sw.	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.01	736.9	29.91	759.7	56.7	13.7	80	nnw.	2.5	1.1	.....	.....	9	n.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.74	755.5	29.94	760.4	61.7	16.5	44	sw	3.1	1.4	.....	.....	10	se.	.....	0.055	1.4	.....	Prof. G. M. Garibaldi.
Pesaro	29.89	759.1	29.93	760.3	61.5	16.4	58	e.	9.8	4.4	.....	.....	5	w.	.....	0	0	.....	Prof. Luigi Guidi.
Florence	29.65	753 0	29.90	759.4	66.2	19.0	42	ne.	.....	.....	2	.....	4	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	29.80	756.8	29.88	758 9	63.0	17.2	59	s.	3.1	1.4	.....	.....	10	s.	.....	0	0	.....	Prof. P. Monte.
Rome	29.76	756 0	29.94	760.4	68.2	20.1	38	s.	5.6	2.5	.....	.....	7	.....	.....	0.055	1.4	.....	Prof. P. Tacchini.
Lecce	29.72	754.9	29.97	761.2	69.8	21.0	63	e.	11.2	5.0	.....	.....	0	.....	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	29.07	738.4	29.94	760.5	63.0	17.2	78	wsw.	1.8	0.8	.....	.....	2	sw.	.....	0	0	.....	Prof. D. Conti.
Palermo	29.67	753.7	29.92	760.0	66.6	19.2	60	ne.	3.1	1.4	.....	.....	10	.....	.....	0	0	.....	Prof. G. Cacciatore
Syracuse	29.89	759 3	29.94	760.4	70.9	21.6	61	s.	12.5	5.6	.....	.....	7	sw.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	misty	Prof. F. Brioschi.
Stelvio	22.07	560.6	.....	.....	38.3	3.5	83	w.	.....	.....	2	.....	6	.....	.....	1.378	35.0	covered	Prof.P.F.Denza.
Valdobbia	22.09	561.1	.....	.....	32.9	0.5	89	w.	.....	.....	6	.....	10	.....	.....	.....	.....	.....	Prof.P.F.Denza.
JAPANESE.																			
Akita	29.90	759.4	29.93	760.3	42.3	5.7	85	n.	.....	.....	2	.....	10k;ks	.....	sw.	0.220	5.6	cloudy	H. Hattori.
Awomori	29.85	758 2	29.89	759.2	39.2	4.0	78	nw.	12.6	5.6	.....	0	3 ck	.....	w.	0	0	fair	K. Ogawa.
Hakodate	29.85	758.2	29.86	758.5	38.5	3.6	74	nw.	12.0	5.4	.....	0	3 s	.....	.....	0.020	0.5	clear	Y. Souma.
Hamamatsu	29.79	756.6	29.89	759.1	59.4	15.2	67	w.	.....	.....	2	7ck;cs	0	w.	.....	0.024	0.6	fair	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.92	759 9	29.93	760.2	57.6	14.2	88	n.	1.5	0.7	.....	.....	10 ck	.....	w.	0.158	4.0	cloudy	Y. Okamoto.
Kagoshima	29.96	760 0	29.97	761.2	56.9	13.8	86	n.	.....	.....	2	.....	10 s	.....	.....	0.130	3.3	overcast	
Kanazawa	29.86	758 4	29.90	761.0	51.5	10.8	89	se.	0.4	0.2	.....	.....	10ks;s	.....	w.	0.182	4.6	overcast	S. Endo.
Kioto	29.77	756.2	29.94	760.6	55.7	13.2	84	ne.	5.2	2.3	.....	.....	10s;ck	.....	w.	0.218	5.5	cloudy	M. Tojima.
Kochi	29.94	760.4	29.96	760.9	59.9	15.5	89	e.	7.5	3.3	.....	2 ck	8 s	w.	e.	0.098	2.5	overcast	K. Kusunose
Miasaka	29.92	760.1	29.95	760 8	58.2	14.6	92	ese.	.....	.....	2	1 ck	1ck;ks	w.	w.	0.059	1.5	fair	K. Masuzaki&T.Ishizaka.
Miyako	29.74	755.3	29.85	758.1	52.9	11.6	77	wsw.	2.9	1.2	.....	.....	10 s	.....	nw.	0	0	cloudy	N.Honno & K.Suwa.
Nagasaki, I. M. Obs'y	29.77	756.1	29.97	761.2	54.1	12.3	87	sw.	0.6	0.3	.....	.....	10 s;n	.....	sw.	0.209	5.1	light rain	
Nemuro	29.71	754.6	29.76	755.9	37.1	2.8	95	sw.	15.0	6.7	.....	.....	10 n	.....	.....	0.47	11.9	raining	A Shibuya.
Niigata	29.92	759.9	29.95	760.7	50.7	10.4	95	sw.	2.1	0.9	.....	.....	10 n	.....	.....	0.015	0.4	light rain	Satoo & Tomikawa.
Nobiru	29.84	757.9	29.86	758.4	52.9	11.6	83	nnw.	6.6	2.9	.....	.....	9 ks	.....	w.	0.005	0.1	cloudy	Yoshino & Midzushina.
Numadzu	29.84	757.9	29.87	758.8	57.2	14.0	93	calm	.....	.....	0	10c;cs	0	.....	.....	0	0	cloudy	T.Ohgi.
Osaka	29.92	759.9	29.94	760.4	53.8	13.2	87	ne.	16.2	7.2	.....	10 cs	0	.....	.....	0.140	3.6	cloudy	rl. Omura.
Saga	29.91	759.9	29.94	760.5	54.7	12.6	82	nw.	2.4	1.1	.....	.....	10ks;s	.....	w.	0.203	5.2	overcast	A.Matsuhayashi.
Sakai	29.98	761.6	29.99	761.8	50.7	10.4	78	ne.	.....	.....	2	.....	10 ks	.....	ne.	0.016	0.4	cloudy	Yamawchi & Sakamoto.
Sapporo	29.74	755 4	29.81	757.1	37.0	2.8	82	nw.	6.1	2.7	.....	0	3 ks	.....	sw.	0.285	7.2	clear	S. Kimura.
Shimonoseki	29.82	757.5	29.96	761.0	53.2	11.8	80	w.	.....	.....	1	.....	10s;ks	.....	.....	0.094	2.4	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.81	757.1	29.88	758.9	58.2	14.6	95	se.	.....	.....	.....	10 cs;ck	0	w.	.....	0.014	0.3	cloudy	The Staff.
Wakayama	29.85	758.1	29.90	759 4	57.1	13.9	88	calm	0	0	.....	10 ck	0	w.	.....	0.102	2.6	cloudy	K.Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.77	756.1	29.96	761.0	79.4	26.3	76	e.	12.0	5.4	.....	0	7ks;ks	.....	.....	0.50	12.7	fair	The Staff.
MEXICAN.																			
Leon	24.27	616.4	30.01	762.2	52.3	11.3	62	nnw.	0.9	0.4	.....	0	0	.....	.....	0	0	clear	M. Leal & M.Pina
Mazatlan	29.62	752.3	29.88	759.0	63.0	17.2	83	e.	0	0	.....	9 cs	0	sw.	.....	0	0	foggy	L I.Gutierrez.
NETHERLANDS.																			
Flushing	29.69	754.0	29.69	754.0	61.0	16.1	.....	ese.	.....	.....	2	.....	.....	.....	.....	0.142	3.6	.....	
Groningen	29.68	753.9	29.74	755.3	58.1	14.5	.....	s.	.....	.....	1	.....	.....	.....	.....	0.197	5.0	.....	
Helder	29.72	754.9	29.72	754.9	52.3	11.3	.....	nw.	.....	.....	1	.....	.....	.....	.....	0.105	4.2	.....	
Hellevoetsluis	29.69	754.1	29.69	754.1	58.6	14.8	65	e.	.....	.....	1	.....	.....	.....	.....	0.051	1.3	lightly cld'y	H. van der Brink.
Utrecht	29.68	753.9	29.73	755.1	60.3	15.7	66	e.	.....	.....	2	.....	1	.....	.....	0	0	.....	
Sub-series.																			Lt.J.J. Ropiman, R.D.N
Batavia, Java	29.89	759.1	.....	.....	78.1	25.6	91	w.	0.5	0.2	.....	.....	9	.....	.....	0.020	0.5	.....	
NORWEGIAN.																			
Bergen	29.57	751.1	29.63	752 7	50.4	10.2	65	s.	29	13	.....	.....	9	.....	.....	0.102	2.6	.....	
Brono	29.75	755.7	29.79	756.7	47.8	8.8	33	se.	.....	.....	6	.....	9	.....	.....	0	0	raining	
Christiania	29.77	756.2	29.92	759.9	50.7	10.4	48	ssw.	9	4	.....	.....	10	.....	.....	.....	.....	.....	
Gjæsvær	30.30	769.5	30.32	770.1	16 0	— 8.9	.....	nnw.	.....	.....	6	.....	10	.....	.....	0	0	.....	
PORTUGUESE.																			
Funchal, Madeira	29.96	760.9	30.04	763.1	65.3	18.5	60	w.	12.5	5.6	.....	.....	2	nw	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.36	745.8	29.70	754.3	55.0	12.8	70	wsw.	28.0	12.5	.....	.....	7	.....	.....	0.055	1.4	.....	The Staff.
Ponta Delgada, Azores	29.82	757.4	29.89	759.2	61.5	16.4	79	sw.	10.5	4.7	.....	.....	3	.....	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.04	762.9	30.07	763.8	69.3	20.7	75	ne.	.....	.....	4	.....	9	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	24 87	631.8	29.70	754.3	32.7	0.4	100	sw.	6.3	2.8	.....	.....	10	.....	.....	0.228	5.8	foggy	
RUSSIAN.																			
Akmolinski	28.95	735.3	30.06	763.5	38.1	3.4	71	s.	9	4	.....	0	0	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	30.24	768.0	30.26	768.5	26.2	— 3.2	59	n.	2	1	.....	1 cs	0	.....	.....	0	0	.....	Capt. Sselliwerstow.
Ashurada	30.03	762.7	29.93	760.3	74.1	23.4	34	e.	9	4	.....	5 ck	0	.....	.....	0	0	light clouds	
Astrakhan	30.15	765.7	30.07	763.8	50.5	10.3	59	ese.	11	5	.....	0	3 s	.....	.....	0	0	dense fog	Capt. Wisganow.
Baku	29.99	761.8	29.95	760.6	49.8	9.9	94	ssw.	18	8	.....	.....	10	.....	.....	.....	.....	.....	
Barnaul	29.85	758.1	30.38	771.7	25.3	— 3.7	71	sw.	9	4	.....	.....	0	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.83	757.7	30.33	770.3	28.6	— 1.9	66	nw.	4	2	.....	0	0	.....	.....	0	0	.....	
Dorpat	30.07	763.7	30.32	770.1	38.5	3.6	57	ene.	7	3	.....	0	0	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	28.98	736.1	29.97	761.1	37.0	2.8	70	w.	9	4	.....	.....	0	.....	.....	0.004	0.1	.....	Meteorological Obs'y.
Elisawetgrad	29.47	748.4	29.93	760.2	36.3	2.4	85	nnw.	9	4	.....	.....	10	.....	.....	0	0	.....	
Kasalinsk	29.75	755.6	29.93	760.1	44.2	6.8	82	wsw.	9	4	.....	.....	10 n	.....	.....	.....	.....	.....	Butkewitsch.
Kasan	29.89	759.1	30.17	766.2	39.0	3.9	69	sw.	18	8	.....	6c;cs	0	.....	.....	blank	blank	.....	Observatory.
Kem	30.23	767.8	30.28	769.1	26.1	— 3.3	52	ssw.	4	2	.....	.....	10 k	.....	.....	0	0	.....	
Kerteh	29.95	760 7	29.97	761.3	47.1	8.4	56	s.	4	2	.....	0	7 k	.....	.....	0	0	.....	Lagorio & Sastyrea.
Kieff	29.85	744.0	29.94	760.5	41.7	5.4	38	nw.	16	7	.....	0	7 ks	.....	.....	0.012	0.3	.....	Observatory.
Koslov	29.55	750.6	30.08	763.9	35.1	1.7	71	ese.	18	8	.....	.....	10 s	.....	.....	0	0	.....	
Lgov	29.39	746.5	30.00	761.9	34.7	1.5	80	e.	22	10	.....	.....	9	.....	.....	0.008	0.2	.....	R.I Saweljew, Engin'r.
Libau	30.21	767.2	30.23	767.8	44.2	6.8	70	wnw.	7	3	.....	.....	9	.....	.....	0	0	.....	E.Quass.
Lugan	29.72	754.9	29.93	760.2	42.6	5.9	54	ssw.	13	6	.....	.....	8	.....	.....	0	0	.....	Meteorological Obs'y.
Moscow	29.07	753.7	30.24	768 1	40.3	4.6	70	se.	4	2	.....	0	0	.....	.....	0.598	15.2	.....	Meteorological Obs'y.
Nertschinsk	27.72	704.2	30.17	766.2	16.9	— 8.4	40	wnw.	2	1	.....	.....	1	.....	.....	0	0	.....	
Nikolaiev	29.85	758.2	29.92	760.0	45.3	7.4	70	n.	18	8	.....	0	6 kn	.....	.....	.....	.....	.....	Capt. Kurdakow.

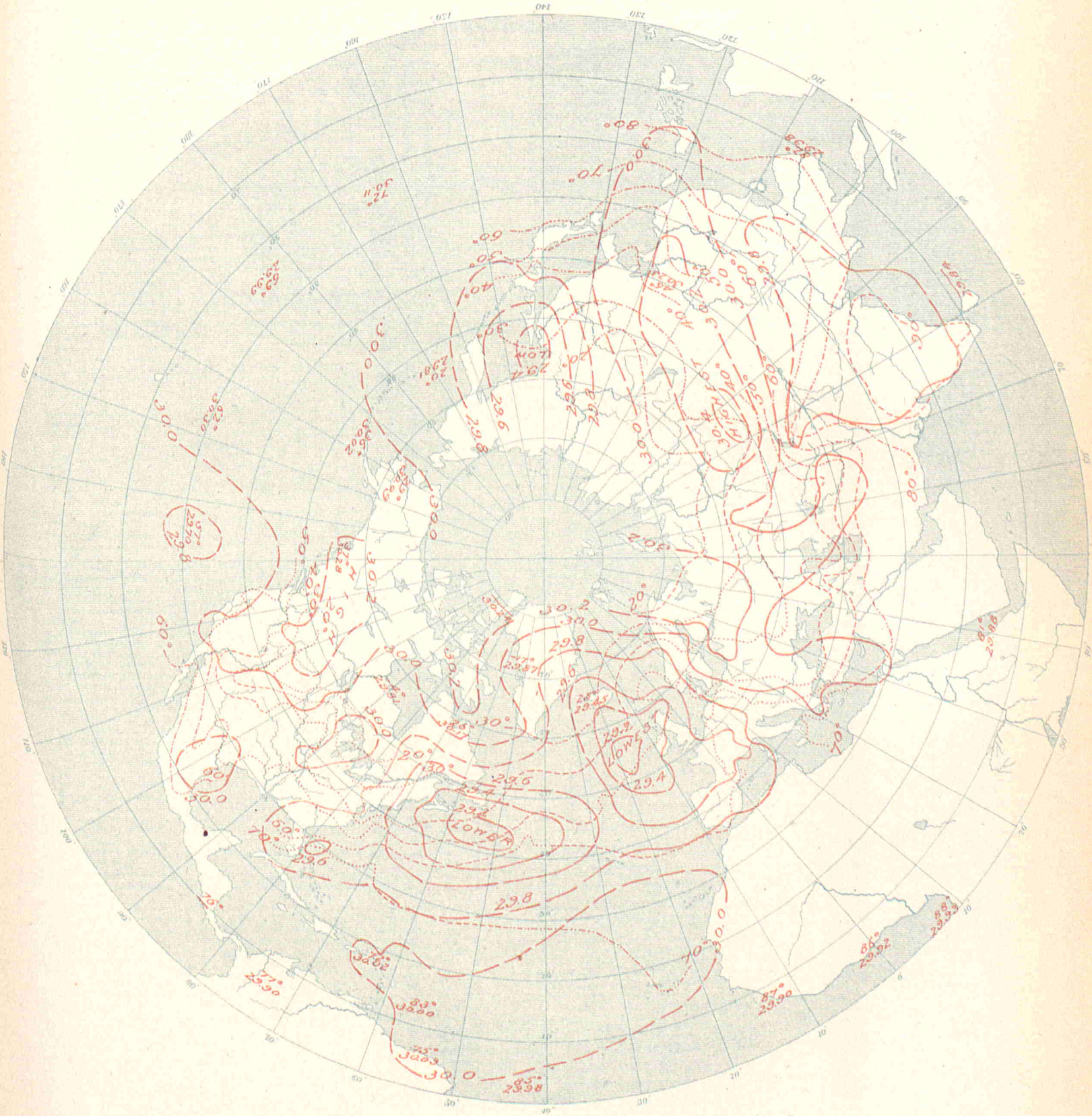
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mets. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.17	740.9	29.26	743.1	31.5	— 0.3	96	calm	0	0	.....	.....	10 n	.....	... .	.....	.....	snowing.....	Iwanow.
Pekin, China.....	30.09	764.3	30.23	767.9	45.5	7.5	19	calm	0	0	.....	4 cs	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk.....	29.72	754 9	30.07	763.8	58.3	14.6	50	w.	1.1	0.5	.....	0	6 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk.....	30.15	765.7	30.35	771.0	24.8	— 4.0	50	e.	9	4	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk.....	29.58	751.4	30.09	764.3	41.2	5.1	66	nne.	18	8	.....	.....	10 ks	.....	.....	blank	blank	.....	
Poti.....	29.92	759.9	29.95	760.7	48.9	9.4	99	nw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg.....	30.34	770.6	30.36	771.2	33.3	0.7	49	ne.	7	3	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand.....	27.62	701.5	30.08	764.0	54.9	12.7	96	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk.....	29.72	755.0	30.43	773.0	23.2	— 4.9	81	ene.	9	4	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol.....	29.76	755.9	29.98	761.5	44.4	6.9	67	nw.	16	7	.....	0	3 ks	.....	.....	0.106	2.7	.....	
Staroi Bykhov.....	29.53	750.1	30.11	764.7	38.3	3.5	73	ne.	13	6	.....	.....	9	.....	.....	0.142	3.6	.....	Carl Hagen.
Tashkend, Laboratory.....	28.39	721.2	30.02	762.6	67.6	19.8	52	w.	4	2	.....	.....	7 s	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis.....	28.49	723.7	29.88	758.9	65.7	18.7	28	nw.	2	1	.....	.....	9 ks	.....	.....	0	0	.....	Physical Observatory
Vernoe.....	27.42	699.5	29.76	755.9	84 6	29.2	35	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Larionow.
Viatka.....	29.50	749 3	30.17	766.2	24.1	— 4.4	74	nne.	4	2	.....	.....	10	.....	.....	0	0	.....	
Vladivostock.....	29.84	758.0	29.91	759.7	36.9	2.7	56	nw.	18	8	.....	.....	1 k	.....	.....	blank	blank	.....	
Warsaw.....	29.70	754.3	30.13	765.2	48.9	9.4	50	e.	9	4	.....	0	0	... .	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk.....	29.82	757.3	30.12	765.0	27.5	— 2 5	62	w.	4	2	.....	.....	6	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.59	751.6	30.12	765.0	38.8	3.8	75	une.	1.2	0.5	.....	.....	10 ks	.....	ne.	0.37	9.4	cloudy.....	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y.....	29.52	749.7	29.63	752.5	58.6	14.8	88	wsw.	.....	.....	.....	.....	10 km	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y.....	29.50	749.4	29.56	750.9	56.5	13.6	86	se.	1.6	0.7	.....	.....	10	.....	.....	0.323	8.2	covered.....	Angel de Uralde.
Burgos, Met. Obs'y.....	26.67	677 4	29.67	753.5	44.8	7.1	89	sw.	9.4	4.2	.....	.....	9	.....	.....	0.827	21.0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y.....	27.47	697.6	29.69	754.2	51.6	10.9	68	sw.	24.2	10.8	.....	0	6	.....	.....	0.835	21.2	cloudy.....	The Staff.
Murcia, Met. Obs'y.....	29.54	750.4	29.68	753.8	70.2	21.2	68	w.	14.3	1.9	.....	3	6	se.	.....	0.017	0.4	cloudy.....	Olayo Diaz, Director.
Santiago, Met. Obs'y.....	28.63	727.3	29.52	749.9	50.5	10.3	88	s.	7.4	3.3	.....	.....	10	.....	.....	0.591	15.0	rainy.....	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba.....	29.72	755.0	29.79	756.7	77.3	25.2	75	ssw.	20.1	9.0	.....	cs	0	wsw.	.....	0	0	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.95	760.6	30.00	762.0	82.0	27.8	64	e.	4.4	2.0	.....	0	0	.....	.....	0	0	clear.....	F. Faura, S. J.
San Fernando, Naval Obs'y	29.81	757.1	29.91	759.6	54.1	12.3	92	wsw.	25.3	11.3	.....	.....	10	.....	s.	0.139	3.5	raining.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.93	760 3	30.02	762.6	72.0	22.2	90	calm	0	0	.....	3 s	0	.....	.....	0	0	clear.....	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda.....	30.19	766.7	30.22	767.7	28.4	— 2.0	80	ne.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Umea.....	29.02	760.0	29.97	761.3	35.8	2.1	82	nw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Hernosand.....	29.89	759 3	29.95	760.6	33.1	0.6	92	s.	.....	.....	2	.....	10	.....	.....	0.008	0.2	.....	
Stockholm.....	30.00	761.9	30.17	766.4	47.1	8.4	61	se.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Wisby.....	30.04	763.1	30.10	764.6	53.2	11.8	58	sse.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala.....	30.04	763.1	30.13	765.3	54.3	12.4	47	sse.	15.0	6.7	.....	.....	3	nw.	.....	0	0	.....	H.H.Hildebrandesson
Swiss																			
Geneva.....	28.24	717.4	29.64	752.9	64.8	18.2	44	n.	.....	.....	1	.....	10	.....	.....	0	0	covered.....	The Observatory.
Turkish.																			
Constantinople.....	.....	.....	30.04	762.9	48.2	9.0	56	nnw.	9	4.0	.....	.....	7	.....	nnw.	0	0	.....	The Observatory.
Valona.....	.....	.....	30.09?	764.2?	65.3	18.5	.....	sw.	.....	.....	3	.....	2	.....	.....	0	0	¼ covered...	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria.....	.....	.....	29.97	761.3	67.8	19.9	69	sw.	.....	.....	2	.....	1 n	.....	se.	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York.....	29.61	752.1	29.69	754.1	36.9	2.7	54	nw.	5	2.2	.....	0	1 s	.....	nw.	0.04	1.0	clear.....	J. O. Barnes.
Alpena, Michigan.....	29.32	744.7	30.01	762.2	25	— 3.9	88	nw.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear.....	Jas. J. Fitzgerald.
Apache, Fort, Arizona.....	25 01	635.2	29.93	760.2	31.8	— 0.1	86	ne.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear.....	J. B. Turton.
Assinnaboine, Ft., Montana	27.40	695.9	30.31	769.9	16.3	— 8.7	76	ne.	3	1.3	.....	0	0	.....	.....	0.06	1.5	clear.....	J.J.O'Connor.
Atlanta, Georgia.....	28.60	726.4	29.79	756.7	53.0	11.7	66	nw.	5	2.2	.....	3 ck	6 s	sw.	sw.	0.01	0.3	cloudy.....	S. W. Beall.
Atlantic City, New Jersey.	29.70	754.4	29.71	754.6	36.3	2.4	69	w.	7	3.1	.....	0	8 k	.....	w.	0	0	cloudy.....	B.A.Blundon.
Augusta, Georgia.....	29.59	751.6	29.78	756.4	55.3	12.9	84	calm	0	0	.....	8 ck	hz.	sw.	.....	0.03	0.8	cloudy....	W.J.Evans.
Baltimore, Maryland.....	29.76	755.9	29.81	757.2	38.2	3.4	62	nw.	7	3.1	.....	9 cs	0	n.	.....	0	0	cloudy.....	Geo. W. Feiger.
Barnegat City, New Jersey	29.71	754.6	29.73	755.1	39.0	3.9	56	nw.	12	5.4	.....	4 cs	2 k	e.	n.	0	0	fair.....	J.P.Sherry.
Bennett, Fort, Dakota.....	28.51	724.1	30.15	765.8	28.0	— 2.2	83	nw.	32	14.3	.....	.....	10 n	.....	nw.	0.01	0.3	light snow...	A. Pritchard.
Benton, Fort, Montana	27.45	697.2	30.31	769.9	18.1	— 7.7	69	sw.	1	0.4	.....	0	5 s	.....	nw.	blank	blank	fair.....	C.S.Bennett.
Bismarck, Dakota	28.20	716 3	30.08	764.0	22.0	— 5.6	88	n.	14	6.3	.....	0	9 s	.....	nw.	0.07	1.8	cloudy.....	B. O. Lenoir.
Block Island, Rhode Island	29.55	750.6	29.58	751.3	34.0	1.1	74	n.	18	8.0	.....	1 ck	0	nw.	.....	0	0	clear.....	J. T. Elker.
Boise City, Idaho.....	27.26	692.4	30.10	764.5	40.5	4.7	79	s.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	James Kenealy.
Boston, Massachusetts.....	29.39	746.5	29.55	750.6	33.5	0.8	85	nw.	13	5.8	.....	.....	10 s	.....	n.	inap.	inap.	cloudy..	O. B. Cole.
Brownsville, Texas.....	29.99	761.7	30.05	763.3	53.5	11.9	80	nw.	2	0.9	.....	0	0	.....	.....	.....	.....	clear.....	John McGlone.
Buffalo, New York.....	29.03	737.3	29.80	756.9	28.5	— 1.9	82	nw.	5	2.2	.....	.....	10 s	.....	nw.	0	0	cloudy.....	D.Cuthbertson.
Buford, Fort, Dakota.....	28.11	714.0	30.21	767.3	18.2	— 7.7	87	nw.	15	6.7	.....	0	8 s	.....	nw.	0.09	2.3	cloudy	A. Schneider.
Cairo, Illinois.....	29.58	751.3	29.99	761.7	43.0	6.1	60	ne.	14	6.3	.....	0	0	.....	.....	0.01	0.3	clear.....	W. H. Ray.
Canby, Fort, Washington Ter	29.82	757.4	30.02	762.5	58.5	14.7	65	e.	11	4.9	.....	0	0	.....	.....	0	0	clear.....	J.H.Young.
Cape Henry, Virginia.....	29.75	755.6	29.77	756 1	42.0	5.6	57	nw.	18	8.0	.....	.....	10 s	.....	.....	0.10	2.5	cloudy.....	A. K. Alderson.
Cape May, New Jersey	29.70	754.4	29.74	755.4	39.0	3.9	82	nw.	20	8.9	.....	.....	10 s	.....	nw.	0	0	cloudy.....	W.E.Smith.
Cape Mendocino, California	29.28	743.7	29.97	761.2	49.2	9.6	77	se.	3	1.3	.....	0	5 s	.....	.....	0	0	fair.....	A. P. Leavitt.
Cedar Keys, Florida.....	29.64	752 8	29.66	753.4	54.0	12.2	92	n.	17	7.6	.....	.....	10 k	.....	n.	2.35	59.7	cloudy.....	G. W. Davis.
Charleston, S. Carolina.....	29.63	752.6	29.69	754.1	53.9	12.2	86	ne.	8	3.6	.....	.....	10 s	.....	.....	0.37	9.4	threatening..	J. H. Smith.
Charlotte, N. Carolina.....	28.92	734.6	29.78	756.4	48.8	9.3	32	ne.	10	4.5	.....	10 cs	fg.	w.	.....	0	0	cloudy.....	D. O'Donoghue.
Chattanooga, Tennessee..	29.02	737.1	29.85	758.2	50.0	10.0	38	nw.	4	1.8	.....	1 ck	0	nw.	.....	0	0	cloudy.....	B. L. Goulding.
Cheyenne, Wyoming.....	23.93	607.8	29.95	760 7	30.1	— 1.1	77	n.	8	3.6	.....	.....	10 n	.....	.....	0.02	0.5	light snow..	E. McGovern.
Chincoteague, Virginia.....	29.30	744.2	30.03	762 7	36.1	2.3	72	e.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	T.B.Jennings.
Cincinnati, Ohio.....	29.75	755.6	29.77	756.1	37.3	2.9	69	n.	13	5.8	.....	.....	10 ks	.....	.....	0	0	cloudy.....	C. F. Dickens.
Cleveland, Ohio.....	29.29	744.0	29.96	761.0	39.0	3.9	66	n.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	L.Dunne.
Columbus, Ohio.....	29.19	741.4	29.95	760.7	31.8	— 0.1	80	nw.	5	2.2	.....	0	1 ks	.....	nw.	0	0	clear.....	W. Line.
Concho, Fort, Texas.....	29.03	737.3	29.90	759.4	35.5	1.9	69	n.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	F.T. Williams.
Custer, Fort, Montana.....	28.06	712.7	30.00	762.0	46.1	7.8	93	w.	4	1.8	.....	0	0	.....	.....	0.10	2.5	clear.....	C. E. King.
Davenport, Iowa.....	27.05	687.1	30.23	767.8	19	— 7.2	87	ne.	8	3.6	.....	.....	10 ks	.....	.....	inap.	inap.	cloudy.....	W.J.Daily.
Davis, Fort, Texas.....	29.33	745.0	30.00	762.0	40.5	4.7	61	s.	6	2.7	.....	8 ck	0	sw.	.....	0	0	cloudy.....	R. R. Martin.
Dayton, Washington Ter'y...	25 19	639.8	29.97	761.2	41.0	5.0	86	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	J. Williams.
Deadwood, Dakota.....	28.37	720.6	30.13	765.3	41.7	5.4	59	e.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	H.S.Blandford.
Delaware Breakwater, Del	25.46	646.7	30.15	765.8	14.0	—10.0	83	sw.	6	2.7	.....	.....	10 n	.....	.....	0.08	2.0	light snow...	G.Kingsbury.
Denver, Colorado.....	29.74	755 4	29.76	755.9	37.8	3.2	87	nw.	21	9.4	.....	.....	10 ks	.....	.....	0	0	cloudy.....	G.A.Martin.
Des Moines, Iowa.....	24.65	626.1	29.92	760.0	36.0	2.2	78	calm	0	0	.....	0	0	.....	.....	0.03	0.8	clear.....	F. M. Neal.
Detroit, Michigan.....	29.01	736.8	29.94	760.5	42.5	5.8	63	w.	5	2.2	.....	10 cs	0	nw.	.....	0	0	cloudy.....	F. W. Conrad.
Dodge City, Kansas.....	29.27	743.4	30.10	762 0	32	0.0	78	n.	1	0.4	.....	10 cs	0	n.	.....	0	0	cloudy	N.B.Conger.
Dubuque, Iowa.....	27.30	693.4	29.94	760.5	47.3	8.5	61	se.	10	4.5	.....	.....	10 s	.....	w.	0	0	cloudy.....	J.E.Lanouette.
Duluth, Minnesota.....	29.27	743.4	30.00	762.0	39.3	4.1	82	e.	2	0.9	.....	.....	10 s	.....	se.	0	0	cloudy.....	A.W.Browne.
Eastport, Maine.....	29.25	742.9	30.02	762.5	28.2	— 2.1	67	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	E.R.Brace.
Elliott, Fort, Texas	29.33	745.0	29.40	746.7	38.0	3.3	86	nw.	3	1.3	.....	.....	10 s	.....	n.	0.05	1.3	cloudy.....	D. C. Murphy.
El Paso, Texas.....	27.11	688.6	29.89	759.2	45	7.2	63	s.	3	1.3	.....	0	6 s	.....	sw.	0	0	fair.....	J. C. Rickli.
Erie, Pennsylvania	26.22	666.0	29.96	761.0	48.4	9.1	59	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	F. Belford.
Escanaba, Michigan.....	29.15	740.4	29.90	759.4	31.2	— 0.4	87	n.	6	2.7	.....	0	8 k	.....	n.	0.01	0.3	cloudy.....	P.Wood.
Fort Smith, Arkansas.....	29.37	746.0	30.06	763.5	20.9	— 6.2	74	n.	5	2.2	.....	3 c	0	.....	.....	inap.	inap.	clear.....	L.M.Pindell.
Galveston, Texas.....	29.45	748.0	29.93	760.2	46.4	8.0	84	s.	2	0.9	.....	4 c	sk.	w.	.....	0	0	fair.....	J. B. Campbell.
Grand Haven, Michigan...	29.95	760.7	29.99	761.7	55.3	12.9	91	nw.	4	1.8	.....	hz.	0	.....	.....	0.62	15.7	dense haze..	E. O'C. Macinerney
Grant, Fort, Arizona.....	29.34	745.2	30.03	762.7	31.0	— 0.6	57	n.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	Joseph E. Mueller.
Hatteras, North Carolina...	25.21	640.3	29.94	760.5	44.2	6.8	59	n.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	Chas. A. Read.
	29.70	754.4	29.71	754.6	46.2	7.9	76	ne.	16	7.2	.....	.....	10 s	.....	ne.	0	0	cloudy.....	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.98	659.9	30.19	766.8	30	— 1.1	88	ne.	1	0.4	.....	0	8 s	.....	.....	0.02	0.5	cloudy	S. W. Morrison.
Huron, Dakota	28.55	725.2	30.00	762 0	34.6	1.4	90	w	4	1.8	.....	.....	10 n	.....	.....	0.08	2.0	light rain	S. W. Glenn.
Indianapolis, Indiana	29.15	740.4	29.97	761.2	34.3	1.3	59	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	C. F. R. Wappenhans
Indianola, Texas	29.97	761.2	30.00	762.0	52.1	11.2	90	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	I. A. Reed.
Jacksonville Florida	29.61	752.1	29.65	753.1	53.5	11.9	96	nw.	9	4.0	.....	.....	10 s	.....	nw.	0.93	23.6	cloudy	J. W. Smith.
Keokuk, Iowa	29.35	745.5	30.02	762.5	41.0	5.0	67	calm	0	0	.....	0	0	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	29.70	754.4	29.72	754.9	77.2	25.1	79	sw.	32	14.3	.....	0	0	.....	.....	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.73	755.1	29.75	755.6	42.8	6.0	68	ne.	27	12.1	.....	.....	10 s	.....	ne.	0	0	clear	Wesley Blake.
Knoxville, Tennessee	28.80	731.5	29.84	757.9	45.2	7.3	46	n.	4	1.8	.....	2 c	0	.....	.....	0	0	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.18	741.2	29.98	761.5	38.0	3.3	61	e.	5	2.2	.....	.....	10 s	.....	.....	0	0	clear	S. C. Emery.
Leavenworth, Kansas	29.06	738.1	29.98	761.5	40	4.4	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. Dill.
Lewiston, Idaho	29.37	746.0	30.22	767.6	42.0	5.6	50	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.61	752.1	29.93	760.2	52.3	11.3	74	nw.	3	1.3	.....	0	hz.	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.64	752.8	30.04	763.0	49.5	9.7	86	ne.	4	1.8	.....	0	2 s	.....	.....	0	0	clear	T. S. Collins.
Louisville, Kentucky	29.37	746.0	29.94	760.5	38.7	3.7	66	n.	8	3.6	.....	0	0	.....	.....	0	0	clear	E. B. Garriott.
Lynchburg, Virginia	29.11	739.4	29.82	757.4	42.0	5.6	65	nw.	2	0.9	.....	8 cs	0	w.	.....	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.36	745.7	30.04	763.0	24.6	— 4.1	69	w.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	D. B. Notson.
Macon, Fort, North Carolina	29.69	754.1	29.70	754.4	47.8	8.8	70	ne.	21	9.4	.....	0	8 s	.....	ne.	0	0	cloudy	William Daly.
Maginnis, Fort, Montana	25.71	653.0	30.21	767.3	18.5	— 7.5	59	w.	2	0.9	.....	8 c	0	w.	.....	0	0	cloudy	F. Burke.
Marquette, Michigan	29.34	745.2	30.09	764.3	24.5	— 4.2	69	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.57	751.1	29.91	759 7	54.5	12.5	78	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.27	743.4	30.04	763.0	32.4	0.2	74	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	S. W. Rhods.
Mobile, Alabama	29.81	757.2	29.85	758.2	50	10.0	86	nw.	7	3.1	.....	0	hz.	.....	.....	1.59	40.4	clear	H. U. Jones.
Montgomery, Alabama	29.56	750.8	29.80	756.9	53.3	11.8	77	nw.	4	1.8	.....	4 ck	0	nw.	.....	0.22	5.6	fair	S. M. Leitzell.
Moorhead, Minnesota	28.87	733.3	29.90	759.4	36.1	2.3	69	sw.	7	3.1	.....	.....	10 s	.....	s.	0	0	threatening	L. M. Dey.
Mt. Washington, N. H.	23.27	591 0	29.68	753.9	24.5	— 4.2	88	nw.	8	3.6	.....	0	2 k	.....	nw.	0.06	1.5	clear	E. A. Beals.
Nashville, Tennessee	29.32	744.7	29.90	759.4	47.0	8.3	56	n.	5	2.2	.....	2 c	0	nw.	.....	0	0	clear	L. N. Jesunofsky.
New Haven, Connecticut	29.53	750.0	29.05	753.1	33.4	0.8	72	n.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. H. Sherman.
New London, Connecticut	29.58	751.3	29.63	752.6	38.0	3.3	53	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	29.85	758.2	29.91	759.7	55.0	12.8	69	nw.	7	3.1	.....	0	0	.....	.....	2.08	52.8	clear	M. Hermau.
New York, New York	29.55	750.6	29.73	755.1	33.9	1.1	71	w.	7	3.1	.....	0	1 s	.....	.....	inap.	inap.	clear	W. Finn.
Norfolk, Virginia	29.72	754.9	29 75	755.6	42.4	5.8	55	n.	4	1.8	.....	.....	10 s	.....	w.	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	26.98	685.3	29.94	760.5	44.1	6.7	93	calm	0	0	.....	.....	10 n	.....	.....	0.44	11.2	light rain	E. F. Brady.
Olympia, Washington T'y	30.04	763.0	30.08	764.0	41.0	5.0	88	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Dascomb.
Omaha, Nebraska	28.78	731.0	29.99	761.7	45.8	7.7	78	calm	0	0	.....	.....	10 ks	.....	w.	0	0	cloudy	A. Pollak
Oswego, New York	29.46	748.3	29.80	756.9	29.5	— 1.4	74	n.	10	4.5	.....	0	8 k	.....	nw.	0.06	1.5	cloudy	J. G. Linsley.
Palestine, Texas	29.41	747.0	29.97	761.2	52.2	11.2	86	w.	6	2.7	.....	0	0	.....	.....	0.42	10.7	clear	P. T. Jenkins.
Pensacola, Florida	29.78	750.4	29.80	756.9	51.4	10.8	87	nw.	8	3.6	.....	3 cs	0	.....	.....	1.83	46.5	clear	M. McGauran.
Philadelphia, Pa	29.65	753.1	29.78	756.4	36.0	2.2	79	w.	12	5.4	.....	.....	10 k	.....	w.	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.56	446.0	29.84	757.9	0.0	—17.8	89	nw.	28	12.5	.....	0	0	.....	.....	0.06	1.5	clear	H. Hall.
Pittsburg, Pennsylvania	29.06	738.1	29.89	759.2	30.8	— 0.7	82	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	24.8	— 4.0	94	.....	.....	.....	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.23	742.4	29.93	760.2	29.3	— 1.5	80	nw.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	M. H. Perry
Portland, Maine	29.46	748 3	29.51	749.5	39.8	4.3	61	n.	6	2.7	.....	3 c	2 s	n.	nw.	inap.	inap.	fair	W. W. Eichelberger.
Portland, Oregon	29.94	760.5	30.00	762.0	50.7	10.4	75	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	M. L. Hearne.
Prescott, Arizona	24.74	628.4	30.02	762.5	34.0	1.1	87	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Glover.
Provincetown, Mass.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. N. Kitchel.
Red Bluff, California	29.64	752.8	30.00	762.0	50.5	10.3	92	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.90	759.4	30.14	765.5	51.2	10.7	95	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	L. G. Schultz.
Rochester, N. Y	29.14	740.1	29.83	757.7	28	— 2.2	78	n	8	3.6	.....	.....	10 k	.....	n.	0.01	0.3	cloudy	E. W. McGann.
Roseburg, Oregon	29.45	748.0	30.01	762.2	47	8.3	88	e.	1	0.4	.....	7 c	0	w.	.....	0	0	fair	J. J. Nanry.
Sacramento, California	29.90	759.4	29.97	761.2	51.0	10.6	86	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. A. Barwick
St. Louis, Missouri	29.40	746.7	30.03	762.7	41.7	5.4	59	ne.	4	1.8	.....	0	sk.	.....	.....	0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	30.06	763.5	30.09	764.3	28.8	— 1.8	93	se.	11	4.9	.....	.....	10 s	.....	se.	0	0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.04	737.0	29.92	760.0	40.5	4.7	69	se.	7	3.1	.....	0	9 k	.....	se.	0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	28.98	736.1	29.90	759.4	24	— 4.4	94	ne.	5	2.2	.....	.....	10 n	.....	.....	0.02	0.5	heavy snow	C. B. Dilley.
Salt Lake City, Utah	25.68	652.3	30.05	763.3	40.7	4.8	70	calm	0	0	.....	.....	10 ks	.....	sw.	0.02	0.5	cloudy	J. Craig.
San Diego, California	29.93	760.2	30.00	762.0	53.0	11 7	93	n.	6	2.7	.....	.....	10 s	.....	n.	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.25	742.9	29.95	760.7	33	0.6	68	n.	12	5.4	.....	0	3 k	.....	n.	0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	29.71	754.6	29.74	755.4	35.6	2.0	85	nw.	15	6.7	.....	0	0	.....	.....	0	0	clear	V. P. Chappel.
Sanford, Florida	29.57	751.1	29.02	752.3	66.0	18.9	78	nw.	6	2.7	.....	.....	10 ks	.....	nw.	0.95	24.1	cloudy	J. B. Marbury
San Francisco, California	29.91	759.7	29.98	761.5	52.0	11.1	92	nw.	2	0.9	.....	0	fg.	.....	.....	0	0	clear	N. Gorom.
Savannah, Georgia	29.61	752.1	29.70	754.4	52.2	11.2	92	n.	10	4.5	.....	.....	10 n	.....	n.	0.45	11.4	light rain	H. W. Ford.
Shaw, Fort, Montana	26.62	676.1	30.28	769.1	26.5	— 3.1	88	nw.	2	0.9	.....	0	8 k	.....	nw.	0.11	2.8	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.73	755 1	29.97	761.2	50.1	10.1	96	s.	3	1.3	.....	.....	fg.	.....	.....	0.22	5.6	dense fog	E. N. Meekins.
Sitka, Alaska	30.16	766.1	30.23	767.8	36.6	2.6	73	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	F. W. Fickett.
Smithville, North Carolina	29.64	752.8	29.68	753.9	55.3	12.9	88	w.	5	2.2	.....	.....	10 n	.....	w.	0.02	0.5	light rain	O. Parker.
Spokane Falls, Wash. Ter.	28.06	712.7	30.12	765.0	36.0	2.2	92	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.35	745.5	30.05	763.3	38.2	3.4	60	e.	1	0.4	.....	0	0	.....	.....	0	0	clear	W. Norrington.
Stockton, Fort, Texas	26.94	684.3	29.97	761.2	50.8	10.4	68	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.95	760.7	30.04	763.0	48.7	9.3	61	e.	13	5.8	.....	0	0	.....	.....	0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.29	693.2	30.02	762.5	40	4.4	62	w.	.....	.....	I	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.24	742.7	29.95	760.7	31.8	— 0.1	80	n.	5	2.2	.....	4 ck	0	ne.	.....	0	0	fair	A. Buell.
Unalashka, Alaska	30.00	762.0	30.02	762.5	36	2.2	79	s.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.69	754.1	29.95	760.7	53.7	12.1	77	sw.	7	3.1	.....	.....	10 s	.....	.....	0.68	17.3	cloudy	F. W. Mixer.
Washington, D. C.	29.71	754 6	29.83	757.7	34.8	1.6	65	nw.	4	1.8	.....	9 cs	0	nw.	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.94	658.9	29.89	759.2	35.5	1.9	92	w.	4	1.8	.....	0	0	.....	.....	inap.	inap.	cloudy	F. H. Brandenburg
Wilmington, N Carolina	29.65	753.1	29.71	754.6	55.5	13.1	59	e.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	L. H. Albrecht.
Yankton, Dakota	28.63	727.2	29.97	761.2	36.6	2.6	96	n.	1	0.4	.....	.....	10 s	.....	.....	0	0	clear	E. H. Thompson.
Yuma, Arizona	29.80	756.9	29.95	760.7	56.3	13.5	77	e.	2	0.9	.....	0	0	.....	.....	0	0	clear	W. S Delano.
Sub-series.																			
Behrings Island, Kamchatka	29.79	756.7	29.81	757 2	20.2	— 6.6	.....	n.	11	4.9	.....	0	3 k	.....	n.	0.09	2.3	clear	George Oherulck.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	84	28.9	.....	ne.	.....	.....	I	0	9 n	.....	ne.	0	0	cloudy	W. P. Jackson.
Bogota, U. S. C.	22.03	559.5	.....	.....	55.4	13.0	87	n	4	2	.....	3 cs	3 k	nw	nw.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.02	762.5	30.17	766.3	26	— 3.3	100	ne.	22	9.8	.....	10 ck	0	se.	.....	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.	.....	.....	30.02	762.5	75	23.9	73	n.	1	0.4	.....	0	1 s	.....	e.	0.10	2.5	fine	Robert Johnstone.
Paramaribo, S. A.	30.03	762.7	30.03	762.7	74.5	23.6	98	ne.	.....	.....	3	.....	10 n	.....	ne.	1.330	33.8	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.34	745 2	29.90	759.4	77	25.0	94	s.	.....	.....	I	6 ck	2 ks	calm	s.	0	0	cloudy	Francesco J. Cisneros
Rivas, Nicaragua, C. A.	29.90?	759.4?	30.00?	763.5?	76	24.4	84	ne.	.....	.....	I	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A.	29.75	755.6	29.81	757.2	— 3.5	—19.7	82	w.	13	5.8	.....	2 k	2 s	w.	w.	0	0	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Force.	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill	Character.	Direction from	
District No. 1—North Atlantic.																		
S. S. Arizona, N. 40° 29′, W. 68° 45′	29.43	747.5	37	2.8		nw.			4		8		nw.	o	o	mod.	nw.	¾ covered.
S. S. Alvo, Jacmel, Hayti, W. I *†	29.92	760.0	74	23.3		sse.			4		5	sse.		3 h'r	3 h'r	short	s.	fine.
S. S. Alps, Aguadilla, Porto Rico, W.I*†	29.97	761.2	78	25.6		e.			1		2		se.	o	o	chop	n.	fine.
S. S. Anchoria, N. 41° 16′, W. 54° 36′						sw.			3		3		sw.	1 h'r	1 h'r	sli't	sw.	fine.
S. S. Ailsa, Port Limon, Costa Rica, C. A.			78.5	25.8	90	ene.			1				e.	3 h'r	3 h'r	light	e.	showery.
S. S. Abyssinia, off Ballycotton, Ireland*	29.43	747.5	53	11.7	80	sw.			3		3		sw.	o	o	sm'h		hazy.
S. S. Assyrian Monarch, N. 43° 39′, W. 37° 27′†	29.32	744.7				wsw.			5		2		wsw.	8 h'r	8 h'r	mod.	wsw.	clear.
S. S. Bohemia, N. 48° 34′, W. 16° 40′						wnw.			6		8		nw.	o	o	h'vy	nw.	squally.
S. S. Bothnia, N. 53° 25′, W. 3° 52′	29.53	750.0	61	16.1		s.			4		2		s.	3 h'r	3 h'r	sm'h		showery.
S. S. Britannic, N. 50° 20′, W. 23° 30′ *†	29.48	748 8	49	9.4		wnw.			5		5		nw.	2 h'r	2 h'r	mod.	nw.	showery.
S. S. City of Washington, N. 29° 34′, W. 77° 45′*†	29.60	751.8	74	23.3		sw.			7		10		sw.	8 h'r	8 h'r	h'vy	sw.	squally.
Bk. C. S. Bushnell, N. 36° 06′, W. 6° 32′	29.87	758.7				sw.			6		2		sw.	sh'rs	sh'rs	r'gh	w	d. clouds.
S. S. Circassian, N. 53° 20′, W. 20° 20′	29.18	741.2	46	7.8	92	w.			5		8		w			4	n.	raining.
S. S. Canada, (Fr) N. 49° 56′, W. 7° 35′	29.50	749.3	51.8	11.0		calm			0		5 k		se.			sm'h	se.	fair.
S. S. Denmark, N. 49° 27′, W. 16° 57′			54	12.2	87	nnw.			7		6	calm	nnw.	shr's	shr's	r'gh	nnw.	squally.
S. E. R. Sutton, N. 40° 40′, W. 42° 15′ *†	29.40	746.7	64	17.8	89	sw.			5		4		sw.	hv'y	hv'y	h'vy	sw.	fair.
S. S. Eider, N. 43° 21′, W. 43° 41′*	29.29	743.9	62.6	17.0		s.			3		5		s.	o	o	long	sw;se	fair.
S. S. Frisia, N. 40° 52′, W. 63° 02′	29.31	744.5	43.2	6.2		wnw.			8		6		wnw.	8 h'r	8 h'r	h'vy	wnw.	fair.
S. Henry Failing N 48° 13′, W. 16° 01′ *†	29.41	747.0	52	11.1		wnw.			6		7		wnw.	4 h'r	4 h'r	mod.	nnw.	d. clouds.
S. S. Helvetia, N. 49° 09′, W. 27° 31′	29.56	750.8	51	10.6	93	nw.			5		5		nw.	o	o	mod.	nw.	fair.
Bk. Heinrich & Tonio, N. 40° 50′, W. 64° 15′			43	6.1	100	nnw.			4		10		nnw.	8 h'r	8 h'r	short	w.	cloudy.
S. S. Lord Clive, N. 47° 12′, W. 31° 59′						e.			4		8		n.	o	o	str'g	nne.	cloudy.
Bg. L. & W. Armstrong, N. 26° 42′, W. 68° 08′ *†	29.86	758.4				wsw.			3		1		w.	o	o	mod.	nw.	fine.
S. S. Llandaff City, N. 42° 29′, W. 46° 45′*†	29.20	741.7	52	11.1		sw.			3		2					mod.	w.	hazy.
Schr. Maggie Abbott, N. 34° 50′, W. 68° 00′*†	29.59	751.6				wnw.			5		10		nw.	o	o	h'vy	cross	cloudy.
S. S. Madrid, N. 35° 30′, W 65° 21′†	29.55	750.6	60	15.6	65	wnw.			6		5		wnw.	o	o	r'gh	wnw	fair.
S. S. Main, N. 41° 23′, W. 46° 05′	29.27	743.4	60.8	16.		s.			5		2		s.	5 h'r	5 h'r	long	w.	clear.
S. S. Marengo, N. 45° 50′, W. 34° 54′			50	10.0		ese.			6		0			6 h'r	6 h'r	long	ese.	hazy.
S. S. Normandie, N. 40° 23′, W. 60° 11′			51.8	11.0		nw.			6		7		w.	3 h'r	3 h'r	h'vy	w.	fair.
S. S. Oregon, (Br) N. 54° 34′, W. 19° 48′	29.13	739 9	48	8.9		w.			1		8		w.	o	o	mod.	n.	fine.
S. S. Olbers, N. 13° 59′, W. 51° 32′	30.09	764 3	75	23.9	86	e.			4		8?		e.			sm'h		clear ?
S. S. Rosse, N. 31° 46′, W. 68° 08′			67	19.4	76	nw.			2		8		nw.	o	o	short	nw.	gloomy.
S. S. Rhaetia, N. 53° 47′, E. 6° 02′	29.64	752 8	47	8.3		s.			4		10		s.	5 h'r	5 h'r	sm'h	s.	foggy.
S. S. State of Nebraska, N. 50° 53′, W. 25° 57′*†	29.61	752.1	44	6.7		nnw.			6		8		ne.	o	o	high	nw.	cloudy.
S. S. Scythia, N. 41° 44′, W. 56° 08′	29.17	740.9	49	9.4	85	sw.			3		4		sw.	o	o	h'vy	ssw.	clear.
Bk. Tuck Sing, N. 36° 33′, W. 71° 14′ *†	29.67	753.6				nw.			6		8		nw.	o	o	mod.	nw.	fair.
S. S. Valencia, N. 21° 25′, W. 68° 56′†	29.98	761.5	79.5	26.4	80	sse.			4		2		sw.	o	o	long	n.	fine.
S. S. Vaderland, N. 48° 44′ W. 20° 10′*†	29.40	746.7	52	11.1		nw.			5		4		nw.	6 h'r	6 h'r	mod.	nw.	squally.
S. S. Virginian, N 51° 44′, W. 8° 00′			55	12.8	68	ssw.			3				sse.	o	o	sm'h		fine.
S. S. Wieland, N. 40° 44′, W. 54° 06′ *	29.02	737.1	58	14.4		ssw.			3		2		sw.	1 h'r	1 h'r	mod.	sw.	fair
S. S. Weser, N. 50° 55′, E. 1° 00′	29.68	753.9	50.0	10.0		calm			0		10			1 h'r	1 h'r			cloudy.
S. S. Westernland, N. 48° 59′, W. 18° 22′	29.38	746.2	53	11.7	73	wnw.			6		4		nnw.	2 h'r	2 h'r	high	wnw.	clear.
S. S. Waesland, Antwerp, Belgium	29.70	754.4	63	17.2		se.			4		6		se.	o	o			
S. S. Lessing, N. 44° 48′, W. 36° 08′			59	15.0		ese.			3		10		ese.	5 h'r	5 h'r	mod.	w.	rainy.
Bk. Alpha, N. 19° 48′, W 60° 20′ *†	30.02	762.5	78	25.6		se.			3		2		s.	o	o	long	nw.	clear.
Schr Adda Doane, N. 21° 45′, W. 74° 30′†	29.95	760.7				s.			3		3		s.	o	o	short	s.	clear.
S. S. America, Baltimore, Md.	29.77	756.1	45	7.2		nw.			4		4		nw.	o	o			fair.
S. S. Andes, N. 23° 52′, W 66° 38′ *†	29.99	761.7	79	26.1		sse.			2							sm'h		fine.
S. S. British Princess, N. 41° 20′, W. 50° 00′†	29.18	741.2				se.			3		4		ssw.	o	o	sm'h		
S. S. Caracas, N. 29° 45′, W. 68° 42′*†	29.80	756.9	71	21.7	78	sw.			5		hz			2 h'r	2 h'r	long	nnw.	hazy.
S. S. Chalmette, Algiers, La†	29.92	760.0	56	13.3		nw.			4		2		nw.	6 h'r	6 h'r			clear
S. S. Devonia, N. 40° 18′, W. 70° 05′†	29.49	749.0	36	2.2		nw.			3		9		nnw.	o	o	sli't	nw.	cloudy.
Bk Esmeralda, off Inistrahull, Ireland	29.36	745.7				ssw.			5–6		8		sw.	2 h'r	2 h'r	mod.	sw.	cloudy.
S. S. Erin, N. 41° 30′, W. 47° 08′			60	15.6		sw.			1		3		w.	1 h'r	1 h'r	sli't	wsw.	clear.
S. S. England, N. 41° 08′, W. 44° 41′	29.25	742 9				ssw.			4		2		ssw.	o	o	mod.	s.	clear.
S. S. Foscolin, N. 45° 15′ W. 17° 18′ †	29.48	748.8	53	11.7		wnw.			5		2		wnw.	o	o	h'vy	nw.	clear.
S. S. Grecian, N. 41° 55′, W. 55° 42′	29.07	738.4	56	13.3	81	sw.			2		1		wsw.	1 h'r	1 h'r	mod.	wsw.	clear.
S. S. Habsburg, N. 38° 11′, W. 60° 55′	29.31	744.5				wnw.			6–8		9		nw.	2 h'r	2 h'r	cross	nw.	squally.
Bk. Idaho, N. 21° 56′, W. 72° 17′*†	29.96	761.0				se.			3		0					long	nnw.	clear
S. S Italy, N. 50° 39′, E. 00° 22′ *	29.62	752.3	52	11.1	93	sse.			2		10		se.	o	o	sm'h	w	cloudy
Bg. Lilian, N. 23° 12′, W. 58° 20′ †	30.01	762.2				wnw.			2		2		w.	o	o	r'gh	nw.	hazy.
S. S. Labrador, N. 49° 52′, W. 5° 37′ *†	29.53	750.0	53.6	12.0		ssw.			4		3		s.			sm'h	sw.	clear.
S. S. Muriel, off Tobago, W. I	29.96	761.0	80	26.7		e.			3		0			o	o	sm'h		clear.
S. S. Neckar, N. 47° 38′, W. 27° 25′	29.63	752.6	50.0	10.0		nw.			4		4		n	light	light	mod	n.	fair.
S. S. New York, N. 27° 55′, W. 80° 00′			75	23.9		sw.			8				n.			mod.	se.	cloudy.
S. S. Prussian, N. 43° 09′, W. 46° 50′			54	12.2		sw.			2		1		sse.	o	o	mod.	sw.	clear
S. S. Samaria, N. 42° 16′, W. 67° 01′*	29.39	746.5	38	3.3		wnw.			4		9			3 h'r	3 h'r	mod.	w	overcast
Bk. Tros, N. 22° 33′, W. 58° 49′ *†	29.98	761.5	75	23.9		w.			1		6		nw.					fair.
S. Tsernogora, N. 34° 22′, W. 67° 20′*†	29.60	751.8				wsw.			3		9		nw.	o	o	long	nw.	overcast.
S. S. Werra, N. 48° 26′, W. 27° 05′*	29.64	752.8	48.2	9.0		nw.			4–5					o	o	mod.	nw.	clear.
U. S. S. Alliance, N. 17° 26′, W. 66° 49′	30.01	762.2	78	25.6	73	ese.			3		5		sse.	o	o	sm'h		fair.
U. S. S. Galena, Port au Prince, Hayti, W.I*	29.93	760.2	76	24.4	73	e.			3		2		e.			sm'h		fair.
U. S. S. Jamestown, N. 15° 38′. W. 62° 02′	30.04	763.0	78	25.6	65	e.			3		2		e.			sm'h		fair.
U. S. S. Kearsarge, Jaffa, Syria	30.01	762.2	65	18.3	68	wnw.			3		0					long	wnw.	clear.
U. S. S. Lancaster, Jaffa, Syria	30.00	762.0	66	18.9	89	nw.			2		2					long	nw.	fair.
U. S. S. Portsmouth, N. 19° 27′, W. 65° 41′	30.02	762.5	72	22.2	95	sse.			3		5		se.			long	n.	fair.
U. S. S. Quinnebaug, Tunis, Tunis	29.79?	756.7?	80	26.7	38	s.			3		2		s.					fair.
U. S. S. Saratoga, Lisbon, Portugal	29.68	753.9	59	15.0	82	w.			3–5		5		w.	h'vy	h'vy	mod.	w.	fair.
U. S. S. Swatara, Cardenas Bay Cuba, W.I.	29.82	757.4	79	26.1	91	sw.			6		2?			light	light	sm'h		cloudy ?
U. S. S. Vandalia, N. 22° 50′, W. 78° 58′	23.86	758.4	78	25.6	82	ssw.			4		0					sm'h		clear.
U. S. S. Yantic, Port Nipe, Cuba, W.I.	29.94?	760.5?	73	22.8	95	sw.			2		0							clear.
H. M. S. Alexandra, N. 35° 45′, E. 21° 31′	30.07?	763.8?	62	16.7	83	w.			2		0					sm'h		blue sky.
H. M. S. Alecto, N. 5° 06, W. 1° 14′	29.92	760.0	86	30 0		sw.			1		6	ene.				4	ssw.	d. clouds.
H. M. S Inflexible, N. 37° 26′, E. 20° 34′	30.00	762.0	65	18.3	94	w.			2		0							blue sky
H. M. S. Minotaur, Phalerum Bay, Greece	29.97	761.2	64	17.8	67	s.			2		3	w.						d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.93	760.2	88.0	31.1	75	sse.			3		5		se.	o	o	3	se.	d. clouds.
S. S. British Crown, N. 48° 25′, W. 29° 33′†	29.65	753.1	44	6.7		wnw.			4		4		wnw.	o	o	mod	nw.	clear.
S. S. Lord Gough, N. 41° 59′, W. 48° 55′*	29.16	740.7				s.			3		2		s.			long	sw.	foggy
S. S. Ohio (Am), N. 39° 34′, W. 64° 02′†	29.43	745.5	45.5	7.5	96	w.			2		10		w.	5 h'r	5 h'r	h'vy	w.	cloudy.
S. S. Scandinavian, N. 51° 18′, W. 28° 18′			44	6.7		nnw.			6		2		nnw.	sh'rs	sh'rs	high	nnw.	d. clouds.
S. S. Dorian, N. 37° 02′, W. 10° 28′	29.83	757.7	60	15 6		w.			6		6		w.	4 h'r	4 h'r	r'gh	wnw.	fine.
S. S. Westphalia, Hamburg, Germany	29.84	757.9	55	12.8		se.			3		5?		se.	o	o			covered.?
S. S. Moravia, N. 44° 36′, W. 39° 14′			51.8	11.0		s.			4		10		sw.	o	o	r'gh	s; e	cloudy
S. S. Hevelius, Flushing, Netherlands †	29.59	751.6	50	10.0		se.			4		8		ssw.	o	o	sm'h		cloudy.
S. S. Archimede, (It.) Genoa, Italy†	30.00	762.0				ssw.			2		6		ssw.	o	o			cloudy.
S. S Donau, N. 52° 09′, E. 3° 07′	29.71	754.6				ssw.			2		2		ssw.	3 h'r	3 h'r	sm'h		hazy.
S. S. Baltimore, N. 43° 07′, W. 41° 37′*	29.25	742.9	57.2	14.0		w.			3		5		ssw.	o	o	sm'h	w.	fair.
S. S. City of Augusta, N. 33° 35′, W 77° 41′						ene.			4		10		ene.	light	light			cloudy.
S. S. Belgenland, Portland, England			52	11.1	86	ssw.			2				sw.	o	o	sm'h		clear.
S. S. Pennland, Antwerp, Belgium*†	29.70	754.4	64	17.8	89	e.			2		8		s.	o	o			cloudy.
S. S. Amsterdam, Amsterdam, Holland			57.6	14.2	93	calm			0		4		e.	2 h'r	2 h'r			hazy.
S. S. Zaandam, N. 40° 48′, W. 53° 11′	29.23	742.4	59.4	15.2	89	var.			3		6		wsw.	4 h'r	4 h'r	long	w.	cloudy.
S. S. Maasdam, N. 42° 05′, W 38° 40′*	29.36	745.7	63	17.2	86	wsw.			3		3		wsw.	4 h'r	4 h'r	3	wsw.	fair.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
							Miles p. hr.	Mtrs. p. sec		Upper.	Lower.	Upper.	Lower.					
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Iowa, N. 49° 30′, W. 19° 22′ †	29.45	748.0	60	15.6	.....	wnw.	.....	.....	5	.....	5	.....	wnw.	4 h'r	4 h'r	long	wnw.	fair.
Bg. Alcira, N. 20° 00′, W. 62° 58′	29.99	761.7	78	25.6	.....	s.	.....	.....	2	.....	2	.....	s.	0	0	h'vy	nnw.	clear.
S. S. Antonio Lopez, N. 23° 01′, W. 79° 30′	29.86	758.4	75	23.9	90	ssw.	.....	.....	4	.....	0	.....	.....	0	0	mod.	ssw.	hazy.
Schr. Arthur Burton, Ponce, Porto Rico, W I †	30.00	762.0	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	ne.	0	0	sm'h	.....	fine.
Schr. Annie R. Lewis, N. 20° 58′, W. 61° 45′ †	30.03	762.7	78	25.6	.....	ssw.	.....	.....	3	.....	3	.....	sw.	0	0	long	nw.	clear.
Schr. Anna A. Holton, N. 32° 31′, W. 69° 22′ *†	29.71	754.6	70	21.1	.....	w.	.....	.....	4	.....	10	.....	w	0	0	r'gh	wnw.	cloudy.
Bk. Aureola, N. 29° 26′, W. 32° 19′ †	30.21	767.3	69	20.6	85	ssw.	.....	.....	5	.....	7	.....	sw.	0	0	mod.	w.	cloudy.
Bgt. Achsah, N. 16° 35′, W. 62° 35 †	30.05	763.3	79	26.1	.....	e.	.....	.....	5	.....	2	.....	e.	0	0	mod.	ene.	clear.
Bk. Adelaide, N. 4° 04′, W. 43° 20′ *†	29.98	761.5	85	29.4	.....	ene.	.....	.....	6	.....	1	.....	ene.	0	0	mod.	ene.	clear.
Schr. Abbie H. Gheen, N. 38° 00′, W. 72° 40′ *†	29.63	752.6	56	13.3	.....	nw.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	squally.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana *†	29.99	761.7	79	26.1	.....	ene.	.....	.....	4	.....	10	.....	ene.	6 h'r	6 h'r	.....	.....	cloudy.
Bk. Cato, N. 50° 17′, W. 0° 40′ †	29.67	753.6	54	12.2	87	sse	.....	.....	2	.....	4?	.....	ssw.	0	0	.....	.....	cloudy.?
S. Cornelius, N. 31° 09′, W. 18° 37′	.....	.....	64	17.8	.....	w.	.....	.....	3	.....	3	.....	nw.	0	0	long	nw.	fair.
Bk. Diamant, N. 38° 33′, W. 61° 20′	29.29	744.0	53.6	12.0	82	nw.	.....	.....	7	.....	10	.....	nw.	5 h'r	5 h'r	o	nw.	covered.
S. E. J. Spicer, N. 40° 10′, W. 65° 15′	29.45	748.0	44	6.7	100	wnw.	.....	.....	6	.....	10	.....	nw.	0	0	mod.	wsw.	overcast.
Schr. Edith R. Seward, N. 34° 36′, W. 68° 30′	.....	.....	63	17.2	.....	wnw.	.....	.....	1	.....	7	.....	w	0	0	r'gh	wnw.	cloudy.
U. S. Fish. Com. S. S. Fish Hawk, Georgetown, S. C †	29.76	755.9	58	14.4	.....	nne.	.....	.....	1	.....	10	.....	calm	0.32	81.	sm'h	.....	raining.
S. Ismir, N. 4° 35′, W. 41° 06′ *†	30.00	762.0	.....	.....	.....	ne.	.....	.....	5	.....	3	.....	ne.	0	0	long	ene.	clear.
Bg. George, N. 26° 10′, W. 68° 40′	.....	.....	.....	.....	.....	sw.	.....	.....	2	.....	2	.....	sw.	0	0	long	nnw.	smoky.
Bk. Gloire, N. 40° 00′, W. 69° 30′	29.51	749.5	37	2.8	80	n.	.....	.....	4	.....	.....	.....	nw.	0	0	sm'h	.....	cloudy.
S. Grecian, N. 40° 08′, W. 33° 25′ †	29.56	750.8	65	18.3	84	wsw.	.....	.....	6	.....	9	.....	w.	1 h'r	1 h'r	mod.	var.	fair.
Bk. Galeon, N. 13° 12′, W. 50° 34′ †	30.00	762.0	79	26.1	.....	ene.	.....	.....	3	.....	3	.....	ene.	0	0	.....	.....	blue sky.
S. Hedwig, N. 42° 45′, E. 15° 27′	29.98	761.5	61.7	16.5	84	se.	.....	.....	1	.....	3	.....	se.	0	0	sm'h	.....	clear.
Bk. Hattie G. McFarland, N. 22° 36′, W. 85° 00′	.....	.....	80	26.7	.....	sw.	.....	.....	6	.....	6	.....	s.	0	0	rg'h	s.	fine.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	84	28.9	.....	nnw.	.....	.....	2	.....	2	.....	w.	0	0	.....	.....	clear.
Schr Jennie N. Huddell, Delaware Bay †	29.80	756.9	42	5.6	.....	nw.	.....	.....	6	.....	10	.....	nw.	0	0	.....	.....	cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I *†	29.84	757.9	.....	.....	.....	s.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
Bg. John Welsh, jr, Ponce, Porto Rico, W. I †	30.07	763.8	.....	.....	.....	nne.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, Zaza, W. I *†	29.88	758.9	.....	.....	.....	sw.	.....	.....	6	.....	5	.....	sw.	0	0	.....	.....	fine.
Schr. Jenny Greenbank, N. 11° 56′, W. 62° 40′ *	29.07	761.2	76.5	24.7	.....	e.	.....	.....	3	.....	2	.....	e.	0	0	mod.	ene.	
Schr. Jenny R. Morse, N. 32° 45′, W. 79° 00′ †	29.63	752.6	.....	.....	.....	ne.	.....	.....	2	.....	4	.....	sw.	0	0	sm'h	sw.	
S. S. Mendoza, N. 20° 02′, W. 58° 22′	.....	.....	.....	.....	.....	se.	.....	.....	1	.....	.....	.....	se.	0	0	long	nw.	clear.
Schr. Martinique, N. 33° 36′, W. 66° 36′	.....	.....	65	18.3	.....	wnw.	.....	.....	4	.....	8	.....	wsw.	0	0	h'vy	nw.	cloudy.
Schr. Norena, N. 41° 05′, W. 69° 15′ †	29.40	746.7	.....	.....	.....	nnw.	.....	.....	3	.....	10	.....	sw.	2 h'r	2 h'r	mod.	var.	threatening.
Bg. Rising Sun, N. 20° 00′, W. 56° 12′ †	30.00	762.0	76	24.4	.....	sse.	.....	.....	3	.....	1	.....	sse.	0	0	long	nw.	
Bk. Rosalie, N. 23° 45′, W. 32° 52′ *†	30.11	764.8	.....	.....	.....	s.	.....	.....	2	.....	1	.....	wsw.	0	0	light	nw.	clear.
Bkt. Rosebud, N. 31° 50′, W. 18° 38′ *	30.05	763.3	62	16.7	.....	w.	.....	.....	4	.....	0	.....	.....	0	0	short	wnw.	fine.
S. Salisbury, N. 42° 01′, W. 41° 05′	29.33	744.9	63.0	17.2	89	s.	.....	.....	5	7 kn	.....	s.;sw.	1 h'r	1 h'r	rg'h	s.; sw	cloudy.
Bk. Saga, N. 34° 37′, W. 51° 03′ †	29.67	753.6	65	18.3	.....	.....	.....	.....	9	.....	7	.....	.....	1¾h'r	1¾h'r	9	.....	cloudy.
Bk. Sunbeam, Lisbon, Portugal †	29.64	752.8	60	15.6	88	wsw.	.....	.....	8	.....	7	.....	wsw.	4 h'r	4 h'r	.....	.....	cloudy.
Bgt. Sunlight, N. 35° 25′, W. 68° 45′ †	29.55	750.6	.....	.....	.....	nw.	.....	.....	4	.....	10	.....	nw.	1 h'r	1 h'r	mod.	nnw.	cloudy.
S. Stephen D. Horton, N. 42° 18′, W. 54° 02′	.....	.....	.....	.....	.....	s.	.....	.....	2	.....	2	.....	s.	2 h'r	2 h'r	mod.	sw.	clear.
Schr. Viola Reppard, sagua la Grande Cuba, W. I	.....	.....	76	24.4	.....	ssw	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.83	757.7	65	18.3	89	w.	4	1.8	.....	.....	5	.....	calm	0	0	.....	.....	fair.
U. S. S. Pensacola, S. 4° 45′, W. 26° 20′ †	30.02	762.5	82	27.8	87	ne.	.....	.....	3	.....	10	.....	calm	0	0	sm'h	.....	cloudy.
U. S. S. Shenandoah, S. 40° 55′, W. 59° 30′ *	29.85	758.2	61	16.1	94	sw.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
H. M. S. Amethyst, Montevideo, Uruguay	29.84	757.9	64.5	18.1	81	ssw.	.....	.....	3	.....	3	.....	nw.	.....	.....	1	ssw.	blue sky.
H. M. S. Boudicea, Simons Bay, Cape Colony	29.91	759.7	65	18.3	.....	calm	.....	.....	0	.....	7	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, S. 40° 03′, W. 30° 12′	30.13	765.3	59.2	15.1	76	ene.	.....	.....	3	.....	9	calm	.....	.....	.....	2	ene.	d clouds.
Bk. Achille F., S. 17° 30′, W. 35° —′ *†	30.05	763.3	80.5	26.9	89	n.	.....	.....	2	.....	7	.....	n.	8 h'r	8 h'r	.....	.....	
Bk. Bore, S. 4° 50′, W. 28° 42′ *†	30.08	764.0	86	30.0	.....	se.	.....	.....	4	.....	5	.....	se.	0	0	sm'h	e.	fair.
S. Frank N. Thayer, S. 22° 39′, W. 24° 37′ *	29.93	760.2	82.5	28.1	69	n.	.....	.....	5	.....	5	.....	n.	0	0	mod.	ssw.	blue sky.
S. Gatherer, S. 26° 33′, W. 43° 36′ †	30.02	762.5	79	26.1	82	ne.	.....	.....	3	.....	2	.....	ne.	0	0	sm'h	e.	clear.
Bkt. Levanter, S. 10° 52′, W. 35° 53′	30.03	762.7	86	30.0	.....	ne.	.....	.....	4	.....	5	.....	ene.	0	0	light	e.	fair.
S. Ringleader, S. 2° 30′, W. 28° 40′ †	29.87	758.7	80	26.7	87	sse.	.....	.....	3	.....	9	.....	sse.	rain	rain	sm'h	.....	overcast.
S. S. Strassburg, S. 15° 11′, W. 36° 07′	30.07	763.8	78.0	25.6	93	n.	.....	.....	4	.....	10	.....	n.	16 h'r	16 h'r	3	n.	raining.
Bk. Xenia, S. 17° 55′, W. 29° 23′ *†	30.10	764.5	84	28.9	.....	n.	.....	.....	4	.....	3	.....	n	0	0	sm'h	s.	clear.
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela	29.88	759 0	76.8	24.9	83	nw.	.....	.....	2	.....	1	.....	.....	0	0	1	.....	blue sky.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	.....	.....	58.5	14.7	88	calm	.....	.....	0	.....	0	.....	.....	3.02	76.7	.....	.....	clear.
U. S. S Alert, Shanghai, China	30.13	765.3	45	7.2	100	ne.	.....	.....	5	.....	10	.....	ne.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 23° 16′, E. 162° 52′	30.11	764.8	72	22.2	85	ene	.....	.....	6	.....	8	.....	w.	.....	.....	mod.	w.	cloudy.
U. S. S. Juniata, Fernande Island, Corea	30.14	765.5	41	5.0	65	nw.	.....	.....	3	.....	10	.....	.....	0	0	.....	.....	cloudy.
U. S. S. Monocacy, Canton river, China	29.88	758.9	77	25.0	86	se.	.....	.....	2	.....	8	.....	se.	0	0	.....	.....	cloudy.
U. S. S. Richmond, Hong Kong, China	29.93	760.2	75	23.9	100	nnw.	.....	.....	2	.....	10	.....	n.	0	0	.....	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	29.91	759.7	70	24.4	95	var.	.....	.....	1	.....	4	se.	.....	.....	.....	.....	.....	misty.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	.....	.....	47	8.3	85	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	3	var.	d. clouds.
H. M. S. Flying Fish, N. 25° 58′, E. 119° 27′	.....	.....	59.5	15.3	96	e.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	showery.
H. P. M. S. Tamega, Macao, China	29.92	760.0	76.1	24.5	88	s.	.....	.....	2	.....	10	.....	s.	.....	.....	.....	.....	rain & fog.
U. S. S. Palos, Shanghai, China	30.19	766.8	41	5.0	91	ene.	.....	.....	4	.....	10	.....	calm	h'vy	h'vy	sm'h	.....	drizzling.
S. S. Arabic, N. 25° 22′, W. 177° 02′ *†	29.99	761.7	69	20.6	95	nw.	.....	.....	4	.....	10	.....	ene.	0	0	h'vy	w.	raining.
S. S. City of Chester, near Point Arena, Cal. †	29.96	761.0	52	11.1	93	ese	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	clear.
S. S. Oregon, Columbia river, Oregon †	30.08	764.0	52	11.1	79	calm	.....	.....	0	.....	0	.....	.....	0	0	3	.....	fair.
S. S. Oceanic, N. 23° 29′, E. 117° 37′	30.02	762.5	71	21.7	90	ssw.	.....	.....	3	.....	6	.....	s.	8 h'r	8 h'r	r'gh	w.	overcast.
S. S. Alameda, N. 32° 11′, W. 136° 02 †	29.70	754.4	57	13.9	.....	wsw.	.....	.....	2	.....	8	.....	sw.	0	0	mod.	w.	foggy.
S. S. Orizaba, N. 35° 25′, W. 121° 08′ †	30.01	762.2	54	12.2	80	ese.	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	clear.
S. S. State of California, N. 45° 56′, W. 124° 10′ †	30.03	762.7	49	9.4	78	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	hazy.
S. S. City of Pekin, N. 31° 48′, E. 132° 46′ †	30.00	762.0	64	17.8	73	w.	.....	.....	3	.....	2	.....	w.	0	0	light	nw.	overcast.
S. S. City of Rio de Janeiro, N. 30° 19′, W. 155° 15′ †	30.30	769.6	62	16.7	.....	ne	.....	.....	4	.....	9	.....	n.	.....	.....	long	nne.	fair.
S. S. Colima, N. 23° 04′, W. 108° 58′ †	29.91	759.7	68	20.0	64	ne	.....	.....	3	.....	2	.....	calm	0	0	small	nne.	hazy.
S. S. Granada, Acajutla, San Salvador †	29.86	758 4	80	26.7	78	calm	.....	.....	0	.....	0	.....	.....	0	0	light	.....	cloudy.
S. S. San Blas, Panama, Panama †	29.87	758.7	78	25.6	91	nw.	.....	.....	2	.....	6	.....	ene.	0	0	.....	.....	cloudy.
S. S. Benalder, Saigon, Cochin China	29.98	761.5	82	27.8	79	ese.	.....	.....	3	.....	7	.....	.....	.....	.....	.....	.....	clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Iquique, Peru	30.00	762.0	64	17.8	83	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.92	760.0	70	21.1	95	sse.	.....	.....	1	.....	5	.....	e.	.....	.....	.....	.....	fair.
U. S. S. Onward, Callao, Peru *†	30.02	762.5	70	21.1	100	se.	.....	.....	2	.....	0	.....	.....	.....	.....	long	w.	clear.
U. S. S. Pinta, Valparaiso, Chili	29.94	760.5	57	13.9	87	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Wachusetts, Valparaiso, Chili	29.93	760.2	55	12.8	94	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Nelson, Sydney, N. S. W	29.81	757.2	63	17.2	95	sse.	.....	.....	4–0	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Sappho, S. 29° 55′, W. 71° 20′	29.92	760.0	59	15.0	100	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, S. 36° 50′, W. 174° 49′ *	29.85	758.2	64	17.8	78	var.	.....	.....	4	.....	8	.....	nw.	1 h'r	1 h'r	.....	.....	
S. S. City of Sydney, S. 15° 20′, W. 171° 16′ *†	29.84	757.9	81	27.2	91	ese.	.....	.....	4	.....	8 n	.....	ese.	.....	.....	mod.	ese.	cloudy.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 8° 10′, E. 77° 06′	29.92	760.0	83	28.3	100	ssw.	.....	.....	2	.....	8	.....	ssw.	.....	.....	sm'h	.....	cloudy.
H. M. S. Eurydus, Massuah, Abyssinia	29.88	758.9	81	27.2	87	ne.	.....	.....	1	.....	6	calm	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Magpie, S. 10° 24′, E. 88° 13′	29.90	759.4	81.7	27.6	80	se.	.....	.....	2	.....	2	.....	.....	.....	.....	3	se.	blue sky.
S. S. Brucadale, Suez Canal, Egypt	.....	.....	72	22.2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	d. clouds.
S. J. W. Gildemeister, S. 13° 47′, E. 90° 12′	29.92	760.0	81.5	27.5	74	ese.	.....	.....	4	.....	2 k	.....	se.	0	0	3	ese.	cloudy.
Bk. Nouva Margherita, S. 8° 16′, E. 105° 51′ *†	29.71	754.6	.....	.....	.....	ssw.	.....	.....	1	.....	.....	.....	w.	rain	rain	long	sw.	cloudy.
S. Orealla, N. 8° 07′, E. 82° 38′ *	29.84	757.9	.....	.....	.....	ene.	.....	.....	4	.....	8	.....	ne.	0	0	sm'h	.....	cloudy.
S. S. Lepanto, N. 26° 56′, E. 34° 32′	29.87	758.7	73	22.8	.....	nnw.	.....	.....	2	.....	0	.....	nw.	0	0	sm'h	.....	clear.

International Chart I. April 6, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 7, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.93	760.3	67.3	19.6	69	se.	.....	.....	1	.....	5	.....	.....	0	0	cloudy	Roziere.
Algiers	.....	.....	29.82	757.5	66.6	19.2	64	w.	.....	.....	7	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.85	758.1	74.8	23.8	41	nw.	.....	.....	5	.....	4	.....	.....	inap.	inap.	cloudy	Fonrède.
Tunis	.....	.....	29.86	758.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.95	760.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.96	760.9	83.5	28.6	.....	n.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.96	761.0	74.1	23.4	43	w	.....	.....	5	.....	0	.....	.....	0	0	clear	Gonzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.39	771.9	54.2	12.3	82	s.	4	1.8	.....	.....	2 k	.....	se.	0	0	fine	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.02	762.5	30.21	767.3	51	10.6	76	sw.	15	6.7	.....	.....	2	.....	n.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.20	767.1	30.29	769.3	55.0	12.8	85	sse.	4	1.8	.....	.....	2	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.25	743.0	29.79	756.7	60.4	15.8	41	se.	.....	.....	2	.....	4	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.16	740 6	29.94	760.4	45.7	7.6	48	e.	19.2	8.6	.....	.....	5	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.01	736.8	29.89	759.3	47 8	8.8	37	n.	.....	.....	3	1 cs	.....	s.	.....	0	0	.....	Julius Mikolik.
Gratz	28.58	725.9	29.82	757.5	53.6	12.0	52	calm	.....	.....	0	.....	8	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.45	722.6	29.89	759.2	50.4	10.2	53	se.	.....	.....	6	.....	2	.....	.....	0.110	2.8	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.28†	718.2†	29.58†	751.3†	60.6	15.9	56	ene.	.....	.....	4	.....	7	.....	.....	0.130	3.3	fair	The Staff.
Lemberg	29.00	736.5	30.02	762.4	37.4	3.0	78	e.	.....	.....	1	.....	10	.....	.....	0.126	3.2	.....	Dr. T. Stanecki.
Pola	29.66	753.4	29.73	755.2	60.6	15.9	76	se.	.....	.....	4	.....	9	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.35	745.4	.....	.....	52.7	11.5	37	e.	.....	.....	3	.....	0	.....	.....	0.024	0.6	.....	Joseph Midlinszky, S. J
Szegedin	29.55	750.6	29.83	757.7	54.7	12.6	38	s.	.....	.....	1	.....	7	.....	.....	0.425	10.8	.....	Karl Stancel.
Trieste	29.74	755.5	29.84	758 0	62.6	17.0	63	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.12	739.6	29.84	757.9	48.7	9.3	52	se.	.....	.....	3	.....	8	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	51.6	10.9	77	sw.	.....	.....	4	.....	5	.....	.....	0.012	0.3	raining	
Brussels	29.40	746.8	29.60	751.8	59.5	15.3	66	ssw.	.....	.....	4	6	4	.....	ssw.	0	0	.....	
Furnes	29.54	750.4	29.56	750.9	54.0	12.2	87	ssw.	.....	.....	2	.....	10	.....	.....	0.272	6.9	.....	
Maeseyck	29.45	748.0	29.58	751.2	70.5	21.4	55	sw.	.....	.....	2	.....	3	.....	.....	0.020	0.5	.....	
BRITISH.																			
Aberdeen	29.54	750.3	29.64	752.8	44.8	7.1	96	n.	4	1.8	.....	.....	10	.....	.....	0.120	3.0	raining	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.60	751.8	51.6	10.9	73	e.	5	2.2	.....	.....	10	.....	.....	.....	.....	overcast	John Harnup.
Bolton, Sharples	29.02	737.1	29.55	750.6	47.5	8.6	92	nne.	.....	.....	.....	.....	10	.....	.....	.....	.....	raining	Thomas Mackereth.
Bradford, Yorkshire	29.18	741.2	29.57	751.1	48.6	9.2	83	nw.	.....	.....	2	.....	10	.....	.....	0.13	3.3	raining	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.98	761.5	30.01	762.2	81.0	27.2	70	ne.	.....	.....	3	.....	1	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E	29.40	746.7	29.57	751.1	48.3	9.1	93	ne.	.....	.....	1	.....	10	.....	.....	blank	blank	misty	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.45	748.0	29.68	753.9	54.5	12.5	71	wsw.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.46	697.5	29.77	756.1	85.0	29.4	52	calm	.....	.....	0	.....	0	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	29.02	752.3	29.85	758.2	82.0	27.8	100	sw.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	29.43	747.5	29.47	748.5	51	10.6	79	sse.	.....	.....	2	.....	4	.....	.....	0.01	0.3	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	30.02	762.5	30.12	765.0	64.5	18.1	87	nw.	.....	.....	4	.....	4	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.38	746.2	29.56	750.8	48.8	9.3	87	nw.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.42	747.3	29.72	754.9	52.5	11.4	84	wnw.	.....	.....	2	.....	4	.....	.....	0.01	0.3	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	29.55	750.6	29.58	751.3	49.5	9.7	70	nw.	17	7.6	.....	.....	10	.....	.....	.....	.....	overcast	The Staff.
Leicester, Museum	29.28	743 7	29.54	750.3	47.1	8.4	97	nw.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	J. C. Smith.
Malta, Mediterranean	29.72	754.9	29.79	756.7	64.0	17.8	79	sw.	.....	.....	2	.....	4	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.92	760.0	29.97	761.2	73.0	22.8	63	ne.	.....	.....	3	.....	6	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.37	746.0	29.60	751.8	49.1	9.5	83	wnw.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.58	751.3	29.65	753.1	54.8	12.7	82	s.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.55	750.6	29.65	753.1	47.2	8.4	90	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	30.02	762.5	30.08	764.0	53.2	11.8	54	sw.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	W. H. Lyne.
Sheffield	29.45	748.0	29.73	755.1	50.1	10.1	89	n.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	W. F. Cooper.
Silloth Rectory	29.54	750.3	29.57	751.1	55.0	12.8	79	e.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.61	752.1	49.7	9.8	79	n.	1	0.4	.....	.....	10	.....	.....	0.054	1.4	raining	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	51.8	11.0	90	nw.	.....	.....	1.5	.....	9	.....	.....	.....	.....	showery	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.55	750.6	29.58	751.3	49.0	9.4	83	w.	18	8.0	.....	.....	6	.....	.....	blank	blank	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.40	746.7	29.79	756.7	69.1	20.6	59	se.	11.2	5.0	.....	10 c	0	.....	w.	0	0	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.87	758.7	29.98	761.5	71.4	21.9	99	e.	12	5.4	.....	.....	8 k	.....	sw.	0.150	3.8	foggy	The Staff.
CANADIAN.																			
Bathurst, N. B	29.62	752.3	29.66	753.4	38	3.3	.....	n.	1	0.4	.....	.....	10 n	.....	.....	inap.	inap.	raining	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.44	747.8	29.49	749.0	34	1.1	97	n	9	4.0	.....	.....	10 n	.....	.....	0.25	6.3	drizzling	H. J. Cundall, C. E.
Chatham, N. B*	29.56	750.8	29.02	752.3	36	2.2	96	ne.	9	4.0	.....	.....	10 n	.....	ne.	0.04	1.0	cloudy	G. A. Blair.
Cornwall, Ontario	29.58	751.3	29.78	756.4	30.3	— 0.9	72	w.	.....	.....	1	.....	10 s	.....	.....	0	0	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	29.03	752.6	29.68	753.9	38.0	3.3	.....	calm	.....	.....	0	.....	10 n	.....	.....	0.10	2.5	drizzling	H. A. Johnson.
Father Point, Quebec*	29.68	753.9	29.70	754.4	33	0.6	90	ne.	2	0.9	.....	.....	fg	.....	.....	0.09	2.3	dense fog	J. McWilliams
Fort Garry, Manitoba*	29.15	740.4	30.03	762.7	19	— 7.2	100	n.	12	5.4	.....	.....	10 n†	.....	.....	0.65	16.5	fair†	James Stewart.
Fredericton, N. B	29.55	750.6	29.62	752 3	39.3	4.1	82	w.	5	2.2	.....	.....	10 s	.....	.....	inap.	inap.	overcast	Dr. Thos. Harrison
Grand Manan, N. B	29.51	749.5	29.57	751.1	38	3.3	89	n	8	3.6	.....	.....	10 s	.....	.....	0.11	2.8	cloudy	J. Chipman Seeley
Granton, Ontario	28.80	731.5	29.96	761.0	25.2	— 3.8	97	nw.	2	0.9	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N.S*	29.35	745.5	29 48	748.8	37	2.8	85	n.	7	3.1	.....	10 k	0	.....	.....	0.020	0.5	cloudy	A. Allison.
Hamilton, Ontario	29.45	748.0	29.87	758.7	35.0	1.7	84	sw.	.....	.....	1	2 c	0	.....	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.51	749.5	29.86	758.4	31	— 0.6	81	n.	1	0.4	.....	5 ck	0	.....	.....	0	0	fair	A. P. Knight, M. A
Little Glace Bay, N. S	29.24	745.2	29.38	746.2	36.0	2.2	100	ne.	.....	.....	1	.....	10 n	.....	.....	0	0	foggy	C. H. Rigby.
London, Ontario	29.01	736.8	29.96	761.0	23.8	— 4.6	93	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.84	707.1	30.19	766.8	35	1.7	90	nw.	10	4.5	.....	cs	0 n	.....	.....	0	0	d. clouds	John Ewart.
Minnedosa, N. W. T	28.04	712 2	30.10	764.5	16	— 8.9	83	n.	24	10.7	.....	5ck;cs	0	e; se	.....	inap.	inap.	fair	Rev. J. M. Wellwood.
Montreal, Quebec*	29.56	750.8	29.77	756.1	31	— 0.6	74	w.	12	5.4	.....	.....	10 n	.....	.....	0	0	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.62	752 3	29.85	758.2	28.8	— 1.8	81	nw.	.....	.....	.....	.....	10 ks	.....	.....	0	0	overcast	A. McGill, M. A.
Parry Sound, Ontario*	29.18	741.2	29.91	759.7	25	— 3.9	88	n.	5	2.2	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.09	738.9	29.83	757.7	28.5	— 1.9	73	nw.	.....	.....	1	5 cs	0	nw.	.....	0	0	d. clouds	Wm. O'Connor, M.A.
Port Arthur	29.24	742.7	29.96	761.0	33	0.6	60	n.	3	1.3	.....	2 c	0	sw.	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.20	741.7	29.93	760.2	27	— 2.8	100	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	R. Morgan.
Port Stanley, Ontario	29.28	743.7	29.96	761.0	24	— 4.4	96	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27.87	707.9	30.29	769.4	18	— 7.8	.....	n.	6	2.7	.....	5 cs	0	n.	.....	0.05	1.3	fair	Leslie Gordon.
Quebec, Quebec*	29 36	745.7	29.73	755.1	32	0.0	96	calm	0	0	.....	.....	10 n	.....	.....	inap.	inap.	light snow	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.41	747.0	29.89	759.2	23	— 5.0	.....	nw.	8	3.6	.....	.....	10 s	.....	n.	inap	inap.	cloudy	W. H. McIntyre.
St. Andrews, N. B	29 49	749.0	29.54	750.3	40	4.4	95	n.	5	2.2	.....	.....	10 n	.....	.....	0	0	overcast	
St. John, N. B	29.50	749.3	29.64	752.8	38.5	3.6	89	n.	16	7.2	.....	5 k	4 ks	n.	e.	0.020	0.5	cloudy	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sangeen, Ontario*	29.18	741.2	29.93	760.2	27	— 2.8	.....	calm	0	0	.....	0	0	.....	.....	0	0	clear	
Stratford, Ontario	28.61	726.7	29.96	761.0	27.3	— 2.6	61	nw.	2.8	1.3	.....	0	0	.....	.....	0	0	blue sky	W. McBride, M.A

STATIONS	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humility.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
CANADIAN.—Continued.																			
Sydney, C. B*	29.38	746.2	29.44	747.8	36	2.2	96	n.	1	0.4			10 n			0.06	1.5	foggy	T.C.Hill, C.E.
Toronto, Ontario*	29.52	749.8	29.92	760.0	30	— 1.1	67	n.	16	7.2		0	0			0	0	clear	Magnetic Observatory.
Woodstock, Ontario	28.85	732.8	29.97	761.2	26.3	— 3.2	60					0	0			0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.46	748.3	29.53	750.0	38	3.3	92	n.	6	2.7			10 k		n.	0	0	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.91	759 7	29.94	760.5	68.0	20.0	05	sw.				0	6 k			0	0	fine	I. Garfelt.
Cape Town, The Castle	29:90	759.4			61.0	16.1	88	nw.					10 n			0.28	7.1		Capt.R.Gardner Warton
Springbok Fontein	27.89	708.4			74	23.3	40									0	0		J T. Eustace.
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					61.7	16.5	84	se.			8	0				0	0	clear	Leon Herrera.
Valparaiso	29.74	755 5	29.89	759.1	54.1	12.3	89	n.			1	0	0			0	0	misty	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.24	768.1	30.26	768.7	40.8	4.9	86	wnw.	4.5	2.0			10			0.134	3.4	covered	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.97	761 3	30.02	762.5	51.3	10.7	62	se.	29	13			0						Oversergent Fischer.
Fanöe	29.75	755 7	29.77	756.2	54.3	12.4	55	ese.			6		5						Overloerer Lauridsen.
Godthaab, Greenland	29.72	755.0	29.77	756.1	15.8	— 9.0	78	nne.			4		4						S. Kleinschmidt.
Ivigtut, Greenland	29.67	753.6	29.69	754.1	26.1	— 3.3		calm			0		10						
Stykkisholm, Iceland	29.39	746.6	29.44	747.7	32.0	0.0	87	ne.			8		8						A. O. Thorlacius.
Thorshavn	29.69	754.2	29.72	754.8	48.2	9.0	74	se.	25	11			4						Overloerer Bergh.
Upernavik, Greenland	30.15	765.8	30.20	767.0	—14.4	—25.8		calm			0		0						
Vestervig	29.72	754.9	29.81	757.2	55.0	12.8	64	ese			4		9						Loerer Oesterholt.
EGYPTIAN.																			
Cairo	29.95	760.8			69.8	21.		ne.	4.7	2.1		0	4 k			0	0		Albert Ismatun, Dir.
FRENCH.																			
Agen, Normal School	29.27	743.5	29.92	760.0	55.4	13	70	w.			2		9 n	sw.	w.	0.055	1.4	cloudy	M. Laboroue, Director.
Alençon, Normal School	29.16	740.6	29.71	754 6	55.0	12.8	93	n.			1		5 n		s.	0.055	1.4	very cloudy	M. Nicot, Director.
Arras, Normal School	29.74	755.4	29.98	761 5	50.7	10.4	82	ssw.			2		8		sw.	0.020	0.5		M. Ungerer, Director.
Avignon, Normal School	29.72	754.9	29.80	756.9	62.6	17	55	nnw.			1		0			0.260	6.6	clear	M. Giraud, Director.
Bar-sur-Seine	29.15	740.4	29.71	754.5	50.9	10.5	83	ne.			6		10		sw.	0.047	1.2	covered	M. Saillard, Director.
Beauvais, Normal School	29.41	746.9	29.67	753.6	51.3	10.7	70	s.			1		10		w.	0.173	4.4	covered	M. Frère Eugène Marie.
Besançon, Normal School	28 83	732.3	29.74	755.5	62.2	16.8	85	sw.			4		n		ne.	0.31	8.		M. Gobin, Director.
Bordeaux, Observatory	29.60	751.7	29.85	758.3	54.5	12.5	73	w.			2		2			0.346	8.8	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.27	743.4	29.82	757 3	47.8	8.8	94	w.			1		10		w.	0.189	4.8	covered	M. Sauvageot, Director.
Brest, Naval Observatory	29.57	751.0	29.81	757.2	59.4	15.2	72	w.			1		4		w.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.70	754.3	29.73	755.2	56.1	13.4	93	nw.			1		0			0	0	clear	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.24	742 7	29.55	750.6	52.3	11.3	88	sw.			1		10			0.031	0.8	covered	M. Jadot, Director.
Charleville, Normal School	29.17	740 8	29.69	754.1	55.2	12.9	83	sse.			4		10		sse.	0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.45	722.7	29.81	757.1	51.8	11.0	61	w.			2		10			0.079	2.0		M. Allnard, Director.
Cluny, Normal School	28.94	735.0	29.79	756.6	50.5	10.3	74	w.			4		10		w.	0.067	1.7		M. de Villemontée, Dir.
Commercy, Normal School	28.91	734 2	29.70	754.4	52.2	11.2	93	s.			4		10			0.075	1.9	raining	Dr. Coulet, Director.
Gap, Normal School	27.24	692.0	29.77	756.1	55.0	12.8	52	w.			2		7 kn			0.35	9.		M. Jarach, Director.
Grénsque, du Rhone	28 64	727 4	29.75	755.7	58.1	14.5	57	n.			2		5		nnw.	0.177	4.5		M. Kina, Director.
Grenoble. Normal School	29.02	737.0	29.78	756.4	53.6	12.	61	nnw.			4		10 n		sw.	0.12	3.	raining	M. Ablard, Director.
Guéret, Normal School	28.15	715.1	29.73	755.2	43.2	6.2	97	sw.			1		km		sw.	0.197	5.0		M. Delorme, Dir.
Lamballe Normal School	29.43	747.4	29.70	754.4	54.1	12.3	68	w.			1		10 n		w.	0	0	covered	M. Polipre, Dir.
Lescar, Normal School	29.36	745 8	29.93	760.1	54.7	12.6	66	w.			6		k			0.843	21.4	clear	M. Chauvin, Director.
Lorient, Naval Observatory	29.66	753 4	29.76	756.0	58.3	14.6	63	w.			2		5		w.	0	0	½ covered	Lt. P. Carre, Director.
Lyon, St. Genis-Laval	28.77	730 8	29.82	757 4	54 7	12.6	77	sse.			1		10 n		w.	0.020	0.5	covered	M. André, Director.
Mans, Normal School	29.43	747·5	29.73	755 2	52.7	11.5	80	nw.			1		8 n		w.	1.18	30.	very cloudy	M. Richard, Director
Marseille, Observatory	29.49	749.0	29.76	755.8	60.1	15.6	57	wnw.			2–4		8		nw.	0.165	4.2		M. Stephan, Director.
Montlouis	24.61	625.2	29.46	748 2	41.9	5.5	62	nw.	16.8	7.5			7	nw.		0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.66	753 3	29.77	756.1	61.9	16.6	79	nnw.			2		5	nw.		0.520	13.2	cloudy	M. Gaizin, Director.
Nancy, Normal School	28.91	734.3	29.69	754.2	49.6	9.8	92	sw.			1		n			0	0		M. Hasse, Director.
Nantes, Observatory	29.61	752.2	29.78	756.3	55.6	13.1	66	w.			1–2		8n;kn;k		w.	0.106	2.7		M. Laroeque, Director.
Perpignan, Observatory	29.74	755.3	29.85	758.1	60.3	15.7	49	nw.	9.4	4.2			9		nw.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.97	532.7			19.9	— 6.7		nw.			1		5		nw.	0.787	20.0	cloudy	M. Vaussenat, Director.
Privas, Normal School	28.78	730 9	29.84	758.0	53.6	12.	74	s.			1		5	n.	s.	0.087	2.2	cloudy	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.87	631.8			32.0	0.0	100	w.			1		10			0.433	11.0		M. Alluard.
Rochefort, Naval Obs'y	29.80	757.0	29.84	757.8	58.6	14.8	78	wsw.			4		5		wsw.	0.55	14.	½ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.55	750.6	29.76	755.9	58.3	14.6	70	w.			1			sw.	s.	0.358	9.1		M Brothier, Director.
Rodez, Normal School	27.73	704.3	29.88	759.0	51.3	10.7	72	n.			2		10		e.	0.31	8.	raining	M. Seger, Director.
Rouen, Normal School	29.48	748 7	29.52	749.9	49.6	9.8	86	w.			1		10		w.	0.39	10.	foggy	M. Mouillot, Dir.
Saint Maur, Observatory	29.54	750.3	29.71	754.5	49.3	9.6	86	w.			1				wnw.	0.079	2.0		M. Renou, Director.
Toulouse, Observatory	29.21	741.8	29.93	760.1	54.9	12.7	71	w.			2		5	nw.		0.043	1.1	cloudy	M. Bailland, Director.
Tours	29.56	750 8	29.74	755.4	55.8	13.2	75	wsw.			1		8	wnw.	w.	0.815	20.7	very cloudy	M. de Tastes.
Versailles, Observatory	29.21	741.9	29.70	754.4	49.3	9.6	79	w.			1					0.051	1.3		Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.80	757.0	29.95	760.8	55.4	13.0	66	w.	27.5	12.3			7 k		w.	1.260	32.0		M. Carlier, Director.
GERMAN.																			
Ansbach	28.17	715.5	29.56	750 8	66.6	19.2	45	se.			2		9	e.		0	0		Prof. Jnedt.
Bamberg	28.82	732.0	29.65	753.2	64.8	18.2	33	ese.			2		7 ks		e.	0	0		Prof. Dr. Hoh.
Berlin	29.68	753.9	29.82	757.5	61.7	16.5	26	e.			6		2			0	0		Meteorological Institute
Breslau	29.43	747.4	29.95	760.8	50.0	10.0	47	e.			4		0			0	0		Royal University Obs'y
Carlsruhe	29.22	742.2	29.66	753.4	62.6	17.0	60	sw.			5		10	se.		0.142	3.6		Albert Senz.
Cassel	28.93	734.8	29.64	752.9	62.2	16.8	48	e.			2		8	e.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.24	742.7	29.59	751 5	67.8	19.9	43	e.			1		5			0	0		Physical Society.
Friedrichshafen	28.23	717.1	29.03	752.5	58.3	14.6	69	sw.			4		10	w.		0.783	19.9		Wilhelm, Chief Tel.
Hamburg	29.67	753.7	29.76	756.0	61.7	16.5	51	ese.			6		6	sw.		0	0		E. Preiter.
Kiel	29.78	756.5	29.80	756.9	59.0	15.0	34	ese.			4		8			0	0		Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.33	744.9	29.74	755.4	60.8	16.0	43	e.			5		6			0	0		H. Leppig, Asst.
Magdeburg	29.54	750.4	29.72	755.0	65.3	18.5	35	ese.			5		5			0	0		Weather Observatory.
Memel	30.21	767 3	30.26	768.5	50.5	10.3	51	ese.			4		0						Issermann.
Munich	27.78	705.5	29.61	752.1	69.6	20.9	37	ne.			2		5	n.		0	0		Central Station.
Neufahrwasser	30.12	765.0	30.15	765.7	45.1	7.3	68	ne.			3		0			0	0		A. Lothes.
Neustadt, Palatinate	29.09	738.8	29.61	752 0	63.3	17.4	53	w.			5		7	w.		0.157	4.0		Prof. Dickmether.
Stuttgart	28 69	728.6	29.55	750.6	63.5	17.5	46	nw.			6		5	w.		0.429	10.9		Prof. Dr. Schoder.
Wustrow	29.87	758.6	29.89	759.1	58.5	14.7	49	se.			3		3 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.63	752 7	30.02	762.4	68.0	20.0		s.			3.0	6				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.75	755.6	29.80	756.9	86.9	30.5	64	wsw.	21.0	9.4			0			0	0	blue sky	
Deesa	29.28	743.6	29.73	755.2	98.1	36.7	24	w.	15.0	6.7			0			0	0	blue sky	
Bombay	29.81	757.1	29.84	758.0	85.0	29.4	55	nw.	12.0	5.4			0			0	0	blue sky	
Poona, Yarrowda	27.99	710.8	29.79	756.7	92.8	33.8	20	w.	24.0	10.7			0			0	0	blue sky	
Trichinopoly	29.57	751.1	29.84	758 0	98.9	37.2	28	ene.	0.1	0.04			4	nne.	nne.	0	0	d. clouds	
Bellary	28.30	718.7	29.71	754.6	99.0	37.2	24	sw.	4.0	1.8			1			0	0	d. clouds	
Belgaum	27.30	693.5	29.80	756.9	84.1	28.9	65	wsw.	9.0	4.0			2		w.	0	0	d. clouds	
Lahore	28.92	734 6	29.66	753.3	83.0	28.3	27	w.	2.0	0.9			8			0.13	3.3	d. clouds	
Roorkee	28.71	729.2	29.58	751.4	88.7	31.5	22	calm	0	0			2			0	0		

STATIONS.	Barometer: Corrected for instrumental error and for temperature. Inch.	Barometer: Corrected for instrumental error and for temperature. Mill.	Barometer: Reduced to sea-level. Inch.	Barometer: Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind: Direction. From.	Wind: Velocity. Miles p. hr.	Wind: Velocity. Mtrs. p.sec.	Wind: Force. 0-1	Clouds: Amount and kind. Upper. 0-10	Clouds: Amount and kind. Lower. 0-10	Clouds: Direction. Upper. From.	Clouds: Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER	OBSERVERS.
INDIAN.—Continued.																			
Agra	29.19	741.4	29.74	755.4	94.6	34.8	30	w.	10.0	4.5	.....	.....	6	.....	w.	0	0	d. clouds	
Nagpur	28.65	727.6	29.65	753 0	100.2	37.9	12	wnw	14.0	6.3	.....	.....	0	.....	.....	0	0	blue sky	
Jubbulpore	28.36	720.3	29.67	753.6	96.1	35.6	13	w.	10.0	4.5	.....	.....	0	.....	.....	0	0	blue sky	
Lucknow	29.29	744.0	29.66	753.3	92.6	33.7	18	wnw.	15.0	6.7	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.35	745.5	29.65	753 2	95.7	35.4	21	nw	.....	.....	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.46	748.3	29.64	752.8	95.5	35.3	21	w.	5.3	2.4	.....	.....	0	.....	.....	0	0	misty	
Hazaribagh	27 68	703 2	29.64	752.9	88.6	31.4	21	nnw.	6.0	2.7	.....	.....	0	.....	.....	0	0	d. clouds	
Cuttack	29.61	752.0	29.69	754.0	87.9	31.1	54	w.	9.0	4.0	.....	.....	2	.....	.....	0	0	d. clouds	
Calcutta, Alipore	29.65	753.1	29.67	753.6	88.5	31.4	59	se.	11.0	4.9	.....	.....	2	w.	.....	0	0	misty	
Chittagong	29.70	754.3	29.79	756.6	81.7	27.6	80	ssw.	10.4	4.6	.....	.....	0	.....	.....	0	0	misty	
Sibsagar	29.35	745.5	29.69	754.1	74.5	23.6	89	ne.	2.0	0.9	.....	.....	10	w.	W.	0.08	2.0	overcast	
Jeypore	28.26	717.8	29.67	753.6	90.2	32.3	10	nw.	30.0	13.4	.....	.....	.....	.....	.....	0	0	misty	
Zanzibar	29.85	758.2	.....	.....	80.8	27.1	84	ene.	3.5	1.6	.....	.....	7	.....	ese.	.....	.....	d. clouds	
ITALIAN.																			
Udine	29.41	747.0	29.82	757.3	61.2	16.2	58	calm	0	0	.....	.....	10	.....	.....	0	0	.....	Prof. Giovanni Clodig.
Milan	29.26	743.2	29.77	756.2	60.4	15.8	69	ese.	4.9	2.2	.....	.....	10	ese.	.....	0.142	3.6	.....	Prof. G.V.Schiapparelli
Padua	29.71	754.7	29.82	757.4	57.9	14.4	83	e.	13.0	5.8	.....	.....	10	e.	.....	0.020	0.5	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.86	733.0	29.76	755.8	53.2	11.8	95	nw.	3.8	1.7	.....	.....	8	nw.	.....	0.503	14.3	.....	Prof. F. F. Denza.
Genoa	29.57	751.1	29.76	756.0	60 4	15.8	65	se.	8.1	3.6	.....	.....	10	s.	.....	0.189	4.8	.....	Prof. G. M. Garibaldi.
Pesaro	29.69	754.1	29.74	755.3	58.8	14.9	87	e.	13.0	5.8	.....	.....	10	sw.	.....	0.031	0.8	.....	Prof. Luigi Guidi.
Florence	29.46	748.3	29.71	754.7	66.4	19.1	51	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	29.64	752 9	29.72	755.0	62.1	16.7	59	nw.	2.5	1.1	.....	.....	10	sw.	.....	0.008	0.2	.....	Prof. P. Monte.
Rome	29.58	751 4	29.76	755.8	61.2	16.2	83	ssw.	7.4	3.3	.....	.....	10	.....	.....	0.264	6.7	.....	Prof. P. Tacchini.
Lecce	29.58	751.4	29.83	757.7	66.2	19.0	61	se.	22.4	10.0	.....	.....	3	se.	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	28.96	735.6	29.85	758.1	63.7	17.6	78	w.	1.8	0.8	.....	.....	3	w.	.....	0	0	.....	Prof. D. Conti.
Palermo	29.52	749.9	29.77	756.2	68.7	20.4	60	ne.	8.7	3.9	.....	.....	7	.....	.....	0	0	.....	Prof. G. Caccialore
Syracuse	29.81	757.2	29.85	758.3	61.5	16.4	72	ne.	3.1	1.4	.....	.....	10	sw.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.27	743.4	.....	.....	63.5	17.5	69	wsw.	9.4	4.2	.....	.....	10	sw.	.....	0	0	.....	Prof. F. Brioschi.
Stelvio	21.92	556 7	.....	.....	38.1	3.4	85	sw.	.....	.....	1	.....	10	.....	.....	0.319	8.1	covered	Prof. P. F. Denza.
Valdobbia	21.94	557.3	.....	.....	30.7	— 0.7	94	e.	.....	.....	10	.....	10	.....	.....	0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.91	759.6	29.94	760.5	34.5	1.4	95	calm	.....	.....	0	.....	10k;ks	.....	w.	0.051	1.3	cloudy	H. Hattori.
Awomori	29.85	758.2	29.89	759.2	36.0	2.2	82	wsw.	4.7	2.1	.....	.....	10 s	.....	W.	0.020	0.5	overcast	K. Ogawa.
Hakodate	29.86	758.5	29.87	758.8	37.2	2.9	72	sw.	1.8	0.8	.....	3 c	0	.....	.....	0	0	clear	Y. Souma.
Hamamatsu	29.66	753.3	29.76	755.8	49.9	9.9	74	nw.	.....	.....	6	4 cs	0	W.	.....	0	0	fair	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.98	761.5	30.00	761.9	48.0	8.9	65	n.	10.4	4.6	.....	5cs;ck	0	W.	.....	0	0	fair	Y. Okamoto.
Kagoshima	30.00	761.9	30.01	762.2	54.9	12.7	67	nnw.	.....	.....	2	.....	10 s	.....	n.	0	0	overcast	
Kanazawa	29.87	758.6	29.97	761.2	44.5	6.9	87	sw.	0.7	0.3	.....	.....	10 ks	.....	.....	0.049	1.2	overcast	S. Endo.
Kioto	29.78	756 5	29.90	760.9	47.9	8.8	69	nnw.	0.3	2.8	.....	1 ck	gckks	.....	n.	0	0	cloudy	M. Tojima.
Kochi	29.89	759.3	29.91	759.8	56.1	13.4	68	ne.	2.1	0.9	.....	1 ck	0	.....	.....	0	0	clear	K. Kusunose.
Miasaka	29.93	760.3	29.96	761.0	58.0	14.4	71	wsw.	.....	.....	2	.....	10s;ks	.....	wsw.	0	0	covered	K. Masusaki&T. Ishiuin.
Miyako	29.80	756.8	29.91	759.6	35.1	1.7	99	wsw.	1.4	0.6	.....	.....	10 s	.....	nw.	0.197	5.0	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.82	757.4	30.02	762.5	50.2	10.1	69	n.	3.6	1.6	.....	.....	10 s	.....	.....	0	0	overcast	
Nemuro	29.75	755.6	29.80	756.9	31.5	— 0.3	84	calm	0	0	.....	10 ck	0	sw.	.....	0.03	0.8	cloudy	A Shibuya.
Niigata	29.93	760.2	29.96	761.0	40.9	4.9	88	ssw.	0.7	0.3	.....	0	7 ks	.....	sw.	0.085	2.2	cloudy	Satoo & Tomikawa.
Nobiru	29.87	758.8	29.89	759.2	37.1	2.8	96	nw.	3.6	1.6	.....	3 ck	0	W.	.....	0.335	8.5	fair	Yoshino & Midzushina.
Numadzu	29.74	755.4	29.78	756 3	54.3	12.4	89	sse.	.....	.....	2	.....	10 s	.....	s.	0.010	0.4	overcast	T. Ohgi.
Osaka	29.94	760.5	29.99	760.9	47.3	8.5	71	ne.	8.6	3.8	.....	8 cs	0	W.	.....	0	0	cloudy	S. Omura.
Saga	29.97	761.3	29.99	761.9	49.6	9.8	74	nne.	7.0	3.1	.....	.....	10s;ks	.....	W.	0	0	overcast	A. Matsuhayashi.
Sakai	30.02	762.8	30.03	762.7	45.8	7.7	76	nnw.	.....	.....	2	.....	10 s	.....	nnw.	0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	29.75	755.5	29.81	757.2	33.0	0.6	65	s.	5.0	2.2	.....	0	0	.....	.....	0	0	clear	S. Kimura.
Shimonoseki	29.88	758.9	30.02	762.6	47.3	8.5	70	ne.	.....	.....	1	.....	10s;ks	.....	.....	0	0	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.77	756.1	29.84	758.0	46.1	7.9	93	ese.	7.7	3.4	.....	.....	10 s	.....	.....	0.039	1.0	covered	The Staff.
Wakayama	29.89	759.2	29.94	760.5	50.6	10.3	66	n;nne.	9.1	4.1	.....	10 ck	0	W.	.....	0	0	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.80	756 9	29.99	761.7	79.2	26.2	66	e.	14.5	6.5	.....	1 c	2k;ks	.....	ese.	0.06	1.5	fair	The Staff.
MEXICAN.																			
Leon	24.31	617.5	30.06	763.5	51.8	11.0	63	calm	0	0	.....	2 c	0	.....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.08	753.8	29.94	760.5	62.5	16.9	69	e.	1.6	0.8	.....	4 cs	0	W.	.....	0	0	foggy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.58	751.4	29.58	751.4	56.8	13.8	.....	ssw.	.....	.....	4	.....	.....	.....	.....	0.016	0.4	.....	
Groningen	29.54	750.3	29.60	751.7	59.7	15.4	.....	se.	.....	.....	2	.....	.....	.....	.....	0.016	0.4	.....	
Helder	29.57	751.0	29.57	751.0	58.3	14.6	.....	e.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	29.54	750.4	29.54	750.4	64.9	18.3	75	sw.	.....	.....	3	.....	.....	.....	.....	0.008	0.2	.....	
Utrecht	29.52	749.8	29.57	751.0	71.1	21.7	52	sse.	.....	.....	2	.....	5	.....	.....	0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.84	757.8	.....	.....	78.1	25.6	82	w.	0	0	.....	.....	9	.....	.....	0.020	0.5	.....	Lt. J. J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	29.75	755.6	29.81	757.2	55.4	13.0	55	calm	0	0	.....	.....	7	.....	.....	0	0	.....	
Brono	29.96	760.9	30.00	761.9	56.8	13.8	49	e.	.....	.....	2	.....	3	.....	.....	0	0	.....	
Christiania	29.95	760.8	30.10	764.5	51.8	11.0	56	ne.	4	2	.....	.....	8	.....	.....	0.079	2.0	.....	
Gjesvær	30.30	769.6	30.32	770 2	23.0	— 5.0	.....	ese.	.....	.....	6	.....	0	.....	.....	0	0	.....	
PORTUGUESE.																			
Funchal, Madeira	30.02	762.4	30.11	764.7	64.4	18.0	73	sw.	9.4	4.2	.....	.....	10	.....	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.72	754.8	30.06	763.4	56.7	13.7	63	sw.	9.8	4.4	.....	.....	8	.....	.....	0.047	1.2	.....	The Staff.
Ponta Delgada, Azores	29.67	753.5	29.74	755.3	61.5	16.4	89	sw.	18.1	8.1	.....	.....	3	.....	.....	1.024	26.0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.01	762 3	30.05	763.2	69.8	21.0	76	ene.	.....	.....	5	.....	2	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	25.21	640 4	30.10	764.5	33.1	0.6	96	wsw.	8.7	3.9	.....	.....	9	.....	.....	0.205	5.2	.....	
RUSSIAN.																			
Akmolinski	28.83	732.2	29.95	760.7	31.3	— 0.4	100	ne.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	30.20	767.0	30.22	767.5	21.2	— 6.0	93	e.	13	6	.....	.....	10	.....	.....	0.177	4.5	snowing	Capt. Sselliwerstow.
Ashuruda	30.00	761.9	29.90	759.5	68.0	20.0	60	n.	9	4	.....	.....	10	.....	.....	0	0	.....	
Astrakhan	30.31	769.8	30.23	767.9	54.1	12.3	35	e.	18	8	.....	o	0	.....	.....	.....	.....	.....	Capt. Wisganow.
Baku	30.13	765 4	30.09	764.2	49.8	9.9	70	nne.	18	8	.....	0	0	.....	.....	.....	.....	.....	
Barnaul	29.37	745.9	29.88	758.9	37.8	3.2	70	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	30.02	762.4	30.50	774.8	36.8	3.8	47	calm	0	0	.....	5 cs	0	.....	.....	0	0	.....	
Dorpat	30.18	766.6	30.43	773.0	45.5	7.5	57	ese.	9	4	.....	0	0	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	29.26	743.0	30.27	768.8	29.8	— 1.2	38	wnw.	18	8	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Elisawetgrad	29.70	755.9	30.22	767.6	46.9	8.3	54	ese.	7	3	.....	0	7 kn	.....	.....	.....	.....	.....	
Kasalinsk	29.82	757.4	30.00	761 9	42.1	5.6	88	sw.	4	2	.....	.....	.....	.....	.....	map.	map.	.....	Rutkewitsch.
Kasan	30.26	768.5	30.54	775 8	33.1	0.6	48	sse.	2	1	.....	8 cs	0	.....	.....	.....	.....	light clouds	Observatory.
Kem	30.18	766.5	30.23	767.8	29.5	— 1.4	86	calm	0	0	.....	.....	10 n	.....	.....	0	0	.....	
Kerch	30.15	765.9	30.18	766.5	35.7	3.7	88	e.	4	2	.....	.....	10 n	.....	.....	0.220	5.6	light rain	Lagorio & Sustyrea.
Kief	29.52	749.9	30.18	766.6	40.5	4.7	65	se.	11	5	.....	o	5 ks	.....	.....	0.224	5.7	.....	Observatory.
Koslov	29.90	759.4	30.43	772.9	35.8	2.1	74	ene.	16	7	.....	3 c	0	.....	.....	0.016	0.4	.....	
Lgov	29.78	756.5	30.40	772.1	36.7	2.6	85	e.	9	4	.....	.....	10	.....	.....	0	0	.....	
Libau	30.25	768.4	30.28	769.0	50.7	10.4	45	ese.	11	5	.....	.....	0	.....	.....	0	0	.....	R. I. Saawoljew, Engineer.
Lugan	29.95	760.6	30.16	766.0	34.0	1.1	90	e.	9	4	.....	.....	10	.....	.....	0	0	.....	P. Quass.
Moscow	29.97	761.2	30.46	773.7	44.6	7.0	51	ese.	2	1	.....	o	1 s	.....	.....	0.532	13.5	.....	Meteorological Obs'y.
Nertschinsk	27.55	699 7	29.99	761.8	14.4	— 9.8	39	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nikolaiev	30.12	765.0	30.19	766.8	51.1	10.6	49	s.	18	8	.....	0	4 n	.....	.....	.....	.....	.....	Capt. Kurdakow.

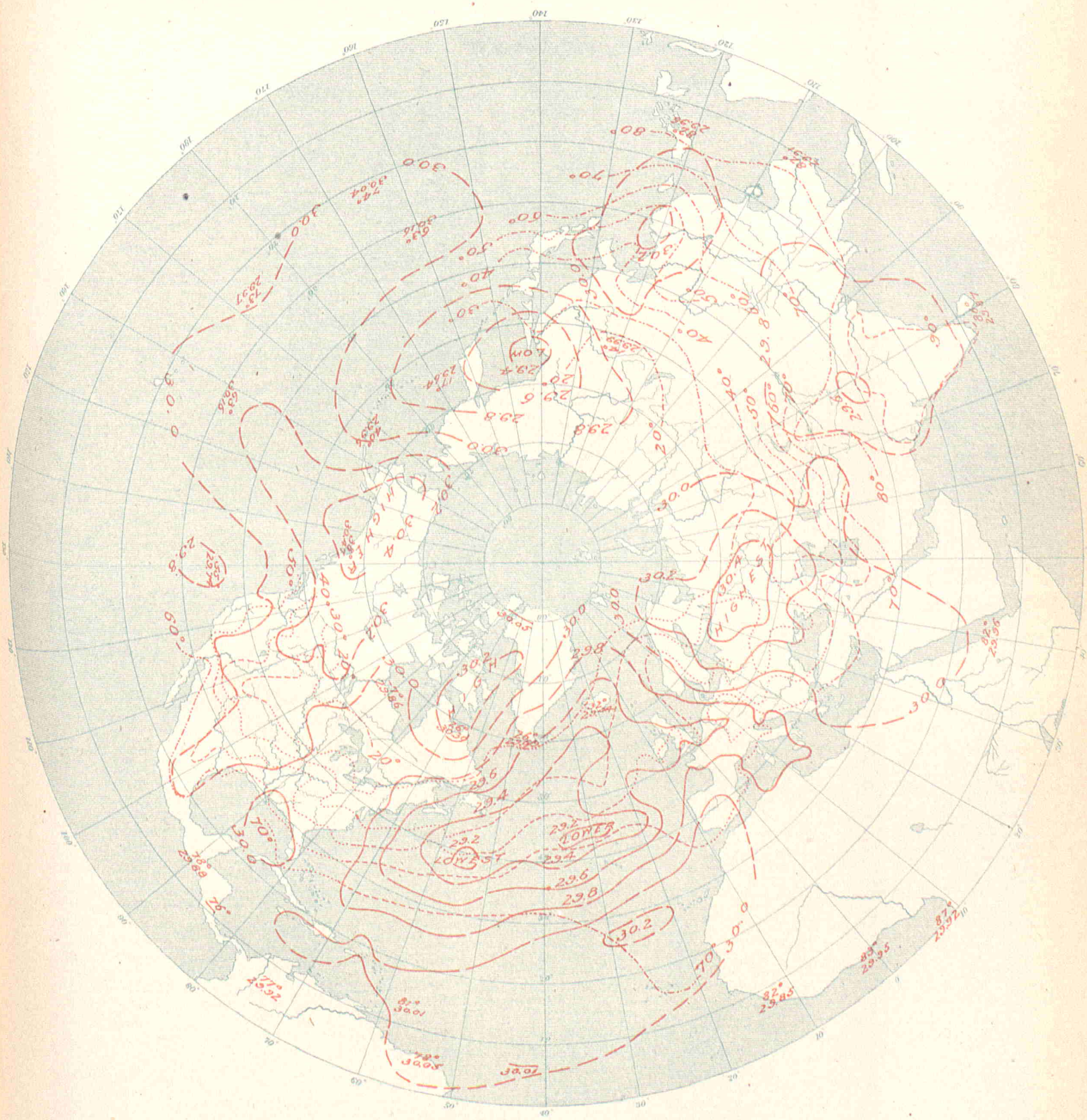
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaiewsk-on-the-Amoor.	29.26	743.2	29.35	745.4	28.0	— 2.2	65	wsw.	13	6	.....	3 ck	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.82	757.3	29.96	760.9	53.6	12.0	28	calm	0	0	.....	0	1 k	.....	.....	0	0	.....	**Siang.**
Petro-Alexandrovsk	29.71	754.7	30.06	763.4	68.9	20.5	28	sw	2	1	.....	3 cs	0	.....	.....	.....	.....	.....	**Walter.**
Petrozavodsk	30.18	766.5	30.38	771.6	43.7	6.5	40	wsw.	22	10	.....	0	8 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.65	753.0	30.16	766.1	38.1	3 4	71	ene.	34	15	.....	.....	9 ks	.....	.....	0 004	0.1	.....	
Poti	30.08	764.c	30.11	764.8	50.7	10.4	96	ssw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.45	773.5	30.48	774.1	44.8	7.1	27	s.	7	3	.....	1 cs	0	.....	.....	0	0	light clouds	Central Physical Obs'y.
Samarkand	27.67	702.9	30.10	764.4	66.2	19 0	40	sw.	7.8	3.5	.....	0	0	.....	.....	.....	.....	.....	**Dresch.**
Semipalatinsk	29.26	743.2	29.93	760.3	40.5	4.7	62	e.	9	4	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.97	761.3	30.19	766 8	48.2	9.0	57	nnw.	7	3	.....	0	3 n	.....	.....	0.012	0.3	.....	
Staroi Bykhov	29.78	756.3	30.35	771.0	39.0	3.9	65	ese.	13	6	.....	.....	9 k	.....	.....	0.012	0.3	.....	**Carl Hagen.**
Tashkend, Laboratory	28.43	722.1	30.08	764.0	63.5	17.5	53	calm	0	0	.....	.....	3 s	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.56	725.4	29.95	760.6	67.6	19.8	23	w.	2	1	.....	0	7 ks	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.45	697.2	29.80	756.9	82.6	28.1	40	calm	0	0	.....	0	7 k	.....	.....	.....	.....	.....	**Larionow.**
Viatka	29.77	756.1	30.43	772 9	31.3	— 0.4	60	w.	4	2	.....	.....	5	.....	.....	blank	blank	.....	
Vladivostock	29.87	758.7	29.94	760.4	33.6	0.9	50	nw.	22	10	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.69	754.0	30.12	765.0	42.6	5.9	50	e.	18	8	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.53	750.0	29.83	757.7	23.2	— 4.9	62	nnw.	7	3	.....	.....	10	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.84	757.9	30.38	771.6	43.8	6.6	49	ese.	9.9	4.4	.....	2 s	0	se.	.....	0	0	clear	**Bachmetieff.**
Spanish.																			
Barcelona, Met. Obs'y	29.73	755.2	29.85	758.1	52.5	11.4	93	sw.	.....	.....	.....	.....	10	.....	.....	0.031	0.8	rainy	**B. Jelin.**
Bilbao, Met. Obs'y	29.90	759.5	29.96	761.0	61.7	16.5	59	nw.	1.8	0.8	.....	2	4	nw	.....	0.504	12.8	cloudy	**Angel de Uralde.**
Burgos, Met. Obs'y	26.98	685.4	30.03	762.0	46.4	8.0	63	w.	9.8	4.4	.....	.....	7	.....	.....	0.374	9.5	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.77	705.4	30.02	762.5	52.5	11.4	61	sw.	14.5	6.5	.....	0	5	.....	.....	0.008	0.2	cloudy	The Staff.
Murcia, Met. Obs'y	29.84	757.8	29.96	761.0	65.1	18.4	56	se.	4.3	1.9	.....	3	5	w.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.00	736.6	29.89	759.3	55.8	13.2	65	sw.	8.7	3.9	.....	.....	7	.....	.....	0.354	9.0	rainy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.93	760.2	30.00	761.9	70.8	21.6	59	nne.	8.5	3.8	.....	c	7 k	w.	nne.	0.12	3.1	cloudy	**Benito Vines, S. J.**
Manilla, Philippine Islands	29.90	759 4	29.96	760.9	81.5	27.5	74	se.	8.8	3.9	.....	0	8	.....	.....	0	0	clear	**F. Faura, S. J.**
San Fernando, Naval Obs'y	30.04	763 0	30.14	765.5	60.6	15.9	75	w.	4.5	2.0	.....	.....	10	.....	w.	blank	blank	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.89	759.3	29.98	761.6	72.7	22.6	87	calm	0	0	.....	5 s	0	.....	.....	0	0	.....	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.16	766.0	30.20	767.0	32.4	0.2	92	n.	.....	.....	2	.....	8	.....	.....	0.094	2.4	.....	
Umea	30.12	765.0	30.17	766.3	35.4	1.9	95	sw.	.....	.....	4	.....	10	.....	.....	0.079	2.0	.....	
Hernosand	30.09	764.3	30.14	765.6	41.0	5.0	76	ssw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Stockholm	30.10	764.5	30.28	769.0	48.2	9.0	48	s.	.....	.....	4	.....	1	.....	.....	0	0	.....	
Wisby	30.14	765.5	30.20	767.0	49.6	9.8	57	sse.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.14	765.6	30.23	767.8	54.9	12.7	40	sse.	14.3	6.4	.....	.....	1	w.	.....	0.004	0.1	.....	H.H. Hildebrandesson
Swiss																			
Geneva	28.35	720.1	29.77	756.2	55.6	13.1	56	s.	.....	.....	4	.....	6	.....	.....	0.012	0.3	cloudy	**The Observatory.**
Turkish.																			
Constantinople	.....	.....	30.11	764.9	52.3	11.3	32	se.	6	2.5	.....	.....	1	.....	n.	0	0	.....	The Observatory.
Valona	.....	.....	30.00?	762.0?	67.6	19.8	.....	sw.	.....	.....	3	.....	5	.....	.....	0	0	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.09	764.2	66.4	19.1	62	wsw.	.....	.....	2	.....	1 k	.....	se.	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.73	755.1	29.81	757.2	37.2	2.9	59	nw.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.24	742.7	29.93	760.2	22.8	— 5.1	73	w.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.03	635.8	29.95	760.7	32.8	0.4	82	ne.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.32	693.9	30.23	767.8	32.9	0.5	95	nw.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	**J. J. O'Connor.**
Atlanta, Georgia	28.78	731.0	29.97	761.2	49.0	9.4	44	nw.	5	2.2	.....	0	sk.	.....	.....	0	0	clear	**S. W. Beall.**
Atlantic City, New Jersey	29.75	755.6	29.76	755.9	37.0	2.8	82	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	**B. A. Blundon.**
Augusta, Georgia	29.80	756.9	29.99	761.7	48.8	9.3	67	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	**W. J. Evans.**
Baltimore, Maryland	29.84	757 9	29.89	759.2	38.1	3.4	58	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	Geo. W. Felger.
Barnegat City, New Jersey	29.73	755.1	29.75	755.6	37	2.8	70	n	13	5.8	.....	0	0	.....	.....	0	0	clear	**J. P. Sherry.**
Bennett, Fort, Dakota	28.46	722.9	30.10	764 5	22.0	— 5.6	92	nw.	11	4.9	.....	.....	10 s	.....	nw.	0.01	0.3	cloudy	A. Pritchard.
Benton, Fort, Montana	27.46	697.5	30.32	770.1	31.8	— 0.1	75	w.	14	6.3	.....	.....	10 s	.....	nw.	0	0	cloudy	**C. S. Bennett.**
Bismarck, Dakota	28.18	715.8	30.06	763.5	19.0	— 7.2	87	nw.	7	3.1	.....	.....	10 n	.....	nw.	0.06	1.5	light snow	**B. O. Lenoir.**
Block Island, Rhode Island	29.64	752.8	29.67	753.6	37.4	3.0	80	n.	12	5.4	.....	0	9 ks; s	.....	.....	0	0	cloudy	J. T. Elker.
Boise City, Idaho	27.34	694 4	30.18	766.6	40.0	4.4	78	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	**James Kenealy.**
Boston, Massachusetts	29.51	749.5	29.67	753.6	36.0	2.2	87	nw.	7	3.1	.....	.....	10 s; hz	.....	nw.	0	0	threatening	O. B. Cole.
Brownsville, Texas	29.93	760.2	29.99	761.7	59.8	15.4	93	e.	4	1.8	.....	0	0	.....	.....	0	0	clear	**John McGlone.**
Buffalo, New York	29.13	739 9	29.90	759.4	27.8	— 2.3	84	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	**D. Cuthbertson.**
Buford, Fort, Dakota	28.05	712.5	30.15	765.8	20.2	— 6.6	94	n.	6	2.7	.....	.....	10 s	.....	n.	0.03	0.8	cloudy	A. Schneider.
Cairo, Illinois	29.51	749.5	29.92	760.0	52.7	11.5	49	s.	3	1.3	.....	4 ck	0	w.	.....	0	0	fair	W. H. Ray.
Canby, Fort, Washington Ter	29.81	757.2	30.01	762.2	62.0	16.7	83	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	**J. H. Young.**
Cape Henry, Virginia	29.85	758.2	29.87	758.7	43.0	6.1	60	nw.	24	10.7	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	29.76	755.9	29.79	756.7	38.0	3.3	77	nw.	26	11.6	.....	0	0	.....	.....	0	0	clear	**W. E. Smith.**
Cape Mendocino, California	29.24	742.7	29.93	760.2	53.4	11.9	76	ne.	9	4.0	.....	0	7 s	.....	n.	0	0	fair	**A. P. Leavitt.**
Cedar Keys, Florida	29.98	761.5	30.06	762.0	59.2	15.1	72	nw.	7	3.1	.....	0	0	.....	.....	inap.	inap.	clear	G. W. Davis.
Charleston, S. Carolina	29.86	758.4	29.92	760.0	51.8	11.0	57	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.08	738.6	29.94	760.5	46.7	9.3	53	n	1	0.4	.....	4 c	fg.	w.	.....	0	0	fair	D. O'Donoghue.
Chattanooga, Tennessee	29.13	739.9	29.96	761.0	45.0	7.2	76	e.	1	0.4	.....	2 cs	sk.	w.	.....	0	0	clear	B. L. Gouldins.
Cheyenne, Wyoming	23.99	609.3	30.01	762.2	21.4	— 5.9	63	nw.	8	3.6	.....	0	0	.....	.....	0.04	1.0	clear	E. McGovern.
Chicago, Illinois	29.14	740.1	29.86	758.4	38.1	3.4	84	e.	7	3.1	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	**T. B. Jennings.**
Chincoteague, Virginia	29.81	757.2	29.83	757 7	37.8	3.2	64	nw.	13	5.8	.....	0	0	.....	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.29	744.0	29.96	761 0	43.5	6.4	75	e.	2	0.9	.....	.....	10 s	.....	e.	0	0	cloudy	L. Dunne.
Cleveland, Ohio	29.22	742 2	29.98	761 5	30.0	— 1.1	88	nw.	3	1.3	.....	0	sk.	.....	nw.	0	0	dense smoke	W. Line.
Columbus, Ohio	29.07	738.4	29.94	760.5	36.2	2.3	68	se.	6	2.7	.....	5 cs	5 s	nw.	nw.	0	0	cloudy	F. T. Williams.
Concho, Fort, Texas	28.19	716 0	30.13	765.3	42.9	6.1	83	ne.	12	5.4	.....	0	1 k	.....	ne.	0	0	clear	C. E. King.
Custer, Fort, Montana	26.92	683.8	30.10	764.5	31	— 0.6	81	sw.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	W. J. Daily.
Davenport, Iowa	29.23	742.4	29.90	759.4	30.3	— 0.9	73	nw.	16	7.2	.....	.....	10 n	.....	nw.	0.12	3.0	light snow	R. R. Martin.
Davis, Fort, Texas	25.25	641.3	30.03	762.7	41.7	5.4	83	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington T'y	28.42	721.9	30.18	766.6	38.9	3.8	70	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	**H. S. Blandford.**
Deadwood, Dakota	25.36	644.1	30.04	763.0	24.0	— 4.4	88	s.	6	2.7	.....	10 cs	0	nw.	.....	0.01	0.3	cloudy	**G. Kingsbury.**
Delaware Breakwater, Del	29.79	756.7	29.81	757 2	37.3	2.9	69	nw.	22	9.8	.....	0	0	.....	.....	0	0	clear	**G. A. Martin.**
Denver, Colorado	24.78	629.4	30.05	763.3	28.6	— 1.9	76	s.	5	2.2	.....	0	0	.....	.....	0.25	6.3	clear	F. M. Neal.
Des Moines, Iowa	29.10	739.1	30.03	762.7	27.8	— 2.3	66	n.	5	2.2	.....	3 cs	0	w.	.....	0.38	9.7	clear	F. W. Conrad.
Detroit, Michigan	29.23	742.4	29.96	761.0	38.0	3.3	73	e.	(	0.4	.....	0	0	.....	.....	0	0	clear	**N. B. Conger.**
Dodge City, Kansas	27.54	699.5	30.18	766.6	30.8	— 0.7	68	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	**J. E. Lamouette.**
Dubuque, Iowa	29.16	740 7	29.89	759.2	29.8	— 1.2	82	nw.	10	4.5	.....	.....	10 n	.....	nw.	0.22	5.6	heavy snow	**A. W. Browne.**
Duluth, Minnesota	29.09	738.9	29.86	758.4	28.0	— 2.2	86	ne.	21	9.4	.....	.....	10 n	.....	.....	0.23	5.8	heavy snow	E. R. Brace.
Eastport, Maine	29.48	748.8	29.55	750.6	39.8	4.3	82	calm	0	0	.....	.....	10 s	.....	n.	0.02	0.5	cloudy	D. C. Murphy.
Elliott, Fort, Texas	27.38	695.4	30.16	766.1	37	2.8	56	n.	12	5.4	.....	.....	10 s	.....	w.	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.25	666.7	29.99	761.7	51.6	10.9	39	w.	1	0.4	.....	0	0	.....	.....	0	0	clear	**F. Belford.**
Erie, Pennsylvania	29.20	741.7	29.95	760.7	30.0	— 1.1	82	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear	**P. Wood.**
Escanaba, Michigan	29.23	742.4	29.92	760.0	22.5	— 5.3	80	n.	5	2.2	.....	6 ck	0	nw.	.....	inap.	inap.	fair	L. M. Pindell.
Fort Smith, Arkansas	29.60	751.8	30.08	764.0	44.9	7.2	76	n.	12	5.4	.....	.....	10 s	.....	n.	0.09	2.3	cloudy	J. B. Campbell.
Galveston, Texas	29.95	760.7	29.99	761.7	63.6	17.6	86	sw.	10	4.5	.....	hz.	0	.....	.....	0	0	dense haze	E. O'C. Macinerney
Grand Haven, Michigan	29.23	742.4	29.92	760 0	39.1	3.9	82	e.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	**Joseph E. Mueller.**
Grant, Fort, Arizona	25.23	640.8	29.96	761.0	49.2	9.6	22	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.89	759.2	29.90	759.4	45.5	7.5	76	n.	14	6.3	.....	0	0	.....	.....	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	26.02	660.9	30.24	768.1	38	3.3	86	sw.	7	3.1			10 n			0.05	1.3	light rain	S. W. Morrison.
Huron, Dakota	28.44	722.4	29.89	759.2	24.7	— 4.1	93	nw.	14	6.3			10 s			0.06	1.5	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.09	738.9	29.91	759.7	43.0	6.1	51	se.	4	1.8		5 ck	0	W.		0	0	fair	C. F. R. Wappenhans.
Indianola, Texas	29.94	760.5	29.97	761.2	61.2	16.2	97	sw.	14	6.3		0	0			0	0	clear	I. A. Reed.
Jacksonville Florida	29.94	760.5	29.98	761.5	54.5	12.5	85	nw.	3	1.3		0	fg.			inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	29.33	745.0	30.00	762.0	31.0	— 0.6	78	nw.	11	4.9		0	1 k		nw.	0.11	2.8	clear	F. Z. Gosewisch.
Key West, Florida	29.98	761.5	30.00	762.0	67.8	19.9	65	ne.	20	8.9		0	0			0.30	7.6	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.88	758.9	29.90	759.4	43.2	6.2	69	ne.	8	3.6		0	1 k		ne.	0	0	clear	Wesley Blake.
Knoxville, Tennessee	28.92	734.6	29.96	761.0	39.4	4.1	78	ne.	4	1.8		3 ck	0	nw.		0	0	fair	J. A. Ody.
La Crosse, Wisconsin	29.05	737.9	29.85	758.2	27.5	— 2.5	76	w.	10	4.5			10 s		w.	0.26	6.6	cloudy	S. C. Emery.
Leavenworth, Kansas	29.21	741.9	30.12	765.0	31	— 0.6	88	calm	0	0		0	0			0.08	2.0	clear	O. Dill.
Lewiston, Idaho	29.44	747.8	30.29	769.4	42.0	5.6	74	calm	0	0		0	0			0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.63	752.6	29.95	760.7	55.0	12.8	86	w.	4	1.8		0	8 ks			0.01	0.3	cloudy	W. U. Simons.
Los Angeles, California	29.60	751.8	30.00	762.0	48.0	8.9	93	ne.	1	0.4		0	fg.			inap.	inap.	clear	T. S. Collins
Louisville, Kentucky	29.35	745.5	29.92	760 0	48.3	9.1	55	se.	6	2.7			9 ks		nw.	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.22	742.2	29.93	760.2	42.6	5.9	70	nw.	3	1.3		3 cs	0		nw.	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.26	743.2	29.94	760.5	27.5	— 2.5	88	w.	1	0.4		3 c	0			inap.	inap.	clear	D. B. Notson.
Macon, Fort, North Carolina	29.92	760.0	29.93	760.2	45.6	7.6	72	n.	11	4.9		0	0			0	0	clear	William Daly.
Maginnis, Fort, Montana	25.74	653.8	30.24	768.1	18.5	— 7.5	70	ne.	24	10.7			10 n		ne.	0.08	2.0	heavy snow	F. Burke.
Marquette, Michigan	29.21	741.9	29.96	761.0	23.0	— 5.0	64	nw.	3	1.3		0	0			inap.	inap.	clear	J. Gilligan.
Memphis, Tennessee	29.55	750.6	29.89	759.2	55.0	12.8	74	sw.	4	1.8		0	0			0	0	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.09	738.9	29 86	758.4	34.9	1.6	86	se	13	5.8			10 n		se.	0.09	2.3	sleeting	S. W. Rhods.
Mobile, Alabama	29.97	761.2	30.01	762.2	50.1	13.4	76	nw.	5	2.2		0	hz.			inap.	inap.	dense fog	H. U. Jones.
Montgomery, Alabama	29.75	755.6	29.98	761.5	48.5	9.2	91	nw.	1	0.4			fg.			0.01	0.3	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.94	735.1	29.97	761.2	21.4	- 5.9	70	nw.	5	2.2			10 s		nw.	0	0	cloudy	L. M. Dey.
Mt. Washington, N. H	23.38	593.8	29.79	756.7	29.2	— 1.6	94	calm	0	0			10 k			inap.	inap.	cloudy	E. A. Beals.
Nashville, Tennessee	29.34	745.2	29.92	760.0	44.5	6.9	81	ne.	3	1.3		10 cs	0	sw.		0	0	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.62	752.3	29.74	755.4	34.8	1.6	72	n.	12	5.4			10 s			0	0	cloudy	J. H. Sherman.
New London, Connecticut	29.66	753.4	29.71	754.6	41.0	5.0	65	n.	4	1.8		5 c	2 s	sw.	w.	0	0	fair	J. G. Lynch.
New Orleans, Louisiana	29.95	760.7	30.01	762.2	59.8	15.4	83	sw.	1	0.4		0	1k;fg			0	0	clear	M. Herman.
New York, New York	29.58	751.3	29.76	755.9	37.2	2.9	64	nw.	8	3.6		1 c	5 s	nw.	nw.	0	0	fair	W. Finn.
Norfolk, Virginia	29.84	757.9	29.87	758.7	45.5	7.5	57	nw.	3	1.3		0	0			0	0	clear	Wm. Davis.
North Platte, Nebraska	27.00	688.1	30.05	763.3	27.1	— 2.7	70	w.	16	7.2		0	0			0.02	0.5	clear	E. F. Brady.
Olympia, Washington T'y	30.05	763.3	30.09	764.3	42.0	5.6	82	calm	0	0		0	0			0	0	clear	J. Dascomb
Omaha, Nebraska	28.86	733.0	30.07	763.8	27.8	— 2.3	79	sw.	6	2.7		0	7 k		nw.	0.59	15.0	fair	A. Pollak
Oswego, New York	29.54	750.3	29.88	758.9	33.0	0.6	68	ne.	6	2.7		0	9 s		nw.	inap.	inap.	cloudy	J. G. Linsley.
Palestine, Texas	29 40	746.7	29.96	761.0	55.6	13.1	78	s.	10	4.5		2 cs	0	w.		0	0	clear	P. T. Jenkins.
Pensacola, Florida	29.98	761.5	30.01	762.2	57.1	13.9	74	nw.	5	2.2		0	hz.			0	0	clear	M. McGauran.
Philadelphia, Pa	29.68	753.9	29.81	757.2	36	2.2	79	nw.	12	5.4		0	sk.			0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.62	447.5	29.90	759.4	— 3.0	—19.4	79	nw.	20	8.9		0	0			0.04	1.0	clear	H. Hall.
Pittsburg, Pennsylvania	29.11	739.4	29.94	760.5	31.4	— 0.3	87	nw.	3	1.3		0	0			0	0	clear	O. D. Stewart.
Poplar River, Montana					27.3	— 2.6	100						10 s			inap.	inap.	threatening	Geo. A. Carden.
Port Huron, Michigan	29.21	741.9	29.91	759.7	30.0	— 1.1	78	calm	0	0		0	0			0.01	0.3	clear	M. H. Perry
Portland, Maine	29.60	751.8	29.65	753.1	41.1	5.1	76	nw.	6	2.7			10n;fg		nw.	0.02	0.5	light rain	W. W. Eichelberger.
Portland, Oregon	29.94	760.5	30.01	762.2	52.5	11.4	05	n.	6	2.7		0	2 s			0	0	clear	M. L. Hearne.
Prescott, Arizona	24.78	629.4	30.05	763.3	36.0	2.2	92	calm	0	0		0	0			0	0	clear	J. Glover.
Provincetown, Mass																			O. N. Kitchel.
Red Bluff, California	29.58	751.3	29.94	760.5	50	10.0	83	n.	5	2.2		0	0			0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.77	756.1	30.01	762.2	60.0	15.6	93	se.	2	0.9		0	0			0	0	clear	L. G. Schultz.
Rochester, N. Y	29.20	741.7	29.89	759.2	31	— 0.6	78	w.	7	3.1		0	3 k;hz			0	0	clear	E. W. McGann.
Roseburg, Oregon	29.40	746.7	29.96	761.0	49.9	9.9	87	calm	0	0		7 c	0	W.		0	0	fair	J. J. Nanry.
Sacramento, California	29.85	758.2	29.92	760.0	56.9	13.8	90	nw.	5	2.2		0	0			0	0	clear	J. A. Barwick
St. Louis, Missouri	29.27	743.4	29.90	759.4	44.7	7.1	80	nw.	11	4.9			10 s		nw.	0.01	0.3	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	30.41	772.4	30.44	773.2	25	— 3.9	88	se.	5	2.2		2 c	0	se.		0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.02	737.1	29.90	759.4	24.0	— 4.4	51	w.	12	5.4		2 c	3 s	se.	w.	0.09	2.3	fair	P. F Lyons.
St. Vincent, Minnesota	29.11	739.4	30.02	762.5	22	— 5.6	92	n.	1	0.4			10 n			0.01	0.3	light snow	C. B. Dilley.
Salt Lake City, Utah	25 78	654.8	30.15	765.8	40.5	4.7	39	nw.	5	2.2		0	0			0	0	clear	J. Craig.
San Diego, California	29.90	759.4	29.97	761.2	55.2	12.9	93	n.	2	0.9			fg.		n.	0	0	dense fog	F. R. Day.
Sandusky, Ohio	29.27	743.4	29.97	761.2	36	2.2	74	s.	7	3.1		0	0			0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	29.74	755.4	29.77	756.1	37.5	3.1	66	n.	20	8.9		5 ck	0	n.		0	0	fair	V. P. Chappel.
Sanford, Florida	29.93	760.2	29.98	761.5	59.0	15.0	87	nw.	4	1.8		0	fg.			0	0	clear	J. B. Marbury
San Francisco, California	29.85	758.2	29.92	760.0	53.0	11.7	88	calm	0	0		0	3s;fg		w	0	0	clear	N. Gorom.
Savannah, Georgia	29.83	757.7	29.92	760.0	51.5	10.8	53	nw.	6	2.7		0	0			inap.	inap.	clear	H. W. Ford.
Shaw, Fort, Montana	26.64	676.6	30.30	769.6	38	3.3	92	nw.	10	4.5			10 k		nw.	0.22	5.6	cloudy	A. L. Mathews
Shreveport, Louisiana	29.74	755.4	29.98	761.5	56	13.3	86	s.	1	0.4		0	0			0.02	0.5	clear	E. N. Meekins.
Sitka, Alaska	30.40	772.1	30.47	773.9	38.4	3.6	63	nw.	13	5.8		0	7 k		nw.	0	0	fair	F. W. Fickett.
Smithville, North Carolina	29.87	758.7	29.91	759.7	44.2	6.8	77	n.	7	3.1		0	hz.			inap.	inap.	clear	O. Parker.
Spokane Falls, Wash. Ter.	28.17	715.5	30.23	767.8	37.2	2.9	82	n.	1	0.4		0	0			0	0	clear	D. Moore.
Springfield, Illinois	29.22	742 2	29.92	760.0	42.2	5.7	82	ne.	15	6.7			10 s			0	0	cloudy	W. Norrington.
Stockton, Fort, Texas	27.00	685.8	30.03	762.7	44.5	6.9	91	nw.	6	2.7		0	0			0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.97	761.2	30.06	763.5	49.7	9.8	48	e.	15	6.7		0	0			0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.28	692.9	30.00	762.0	42.6	5.9	65	calm			0	0	0			0	0	clear	R. C. Lord.
Toledo, Ohio	29.20	741.7	29.91	759.7	36	2.2	69	e.	1	0.4		0	0			0	0	clear	A. Buell.
Unalashka, Alaska	29.94	760.5	29.96	761.0	40	4.4	89	se.	20	8.9			10 n			1.10	27.9	light rain	Samuel Applegate
Vicksburg, Mississippi	29.74	755.4	30.00	762.0	59	15.0	48	sw.	2	0.9		0	3 s		w.	0.01	0.3	clear	F. W. Mixer.
Washington, D. C	29.80	756.9	29.92	760.0	36.0	2.2	57	nw.	12	5.4		0	0			0	0	clear	T. B. Harrison.
West Las Animas, Colorado	26.13	663.7	30.08	764.0	31	— 0.6	85	nw.	5	2.2		0	6 k;s		nw.	0.06	1.5	fair	F. H. Brandenburg
Wilmington, N Carolina	29.87	758.7	29.93	760.2	46.8	8.2	80	calm	0	0		0	hz.			inap.	inap.	clear	L. H. Albrecht.
Yankton, Dakota	28.67	728.2	30.01	762.2	27.7	— 2.4	92	nw.	10	4.5		4 c	0	nw.		inap.	inap.	fair	E. H. Thompson.
Yuma, Arizona	29.77	756.1	29.92	760.0	60.0	15.6	70	se.	4	1.8			0			0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.62	752.3	29.64	752.8	17 0	— 8.3		n.	7	3.1		0	3 k		n.	inap.	inap.	clear	George Oherutick.
Bluefields, Nicaragua, C. A					84	28.0		ne.			2	1 c	3 ks		ne.	0	0	fine	W. F. Jackson.
Bogota, U. S. C	22.02	559 2			53.6	12.0	90	n.	2	1		3 cs	4 k	W.	W.	0	0		Joaquin Gomez.
Chimo, Fort, Ungava	30.15	765.8	30.30	769.6	26	— 3.3	100	calm	0	0		2 ck	0	ne.		0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I			30.04	763.0	76	24.4	72	n.	2	0.9		0	1 s		e.	0	0	fair	Robert Johnston.
Paramaribo, S. A	30.05	763.3	30.05	763.3	78	25.6	86	e.			2		8 ks		e.	0.100	2.5	cloudy	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.30	745.7	29.92	760.0	77	25.0	89	nw.			1		10 ks		s.	0.28	7.1	cloudy	Francisco J. Cisneros
Rivas, Nicaragua, C. A	29.907	759.47	30.067	763.57	76	24.4	84	ne.			1					0	0	clear	Earl Flint.
York Factory, B. A	29.79	756.7	29.86	758.4	— 6.5	—21.4	80	w.	13	5.8		1 c	2 s	nw.	w.	0.03	0.8	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon																			P. Fasiani.
Naos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill	Character.	Direction from	
District No. 1—North Atlantic.																		
S. S. Arizona, N. 40° 36′, W. 60° 45′	29.27	743.4	45	7.2		n.			3		10		ne.	0	0	mod.	nw.	overcast.
S. S. Alvo, Jacmel, Hayti, W. I			78	25.6		s.			3		4		s.	2 h'r	2 h'r	long		fine.
S. S. Alps, Aguadilla, Porto Rico, W. I *†	30.00	762.0	78	25.6		ese.			2		2		se.	0	0	chop	n.	fine.
S. S. Anchoria, N. 41° 09′, W. 60° 13′						nw.			3		8		nw.	0	0	sm'h		light fog.
S. S. Ailsa, Port Limon, Costa Rico, C. A			76 5	24.7	88	n.			1		2		n.	0	0	sm'h		fair.
S. S. Abyssinia, N. 50° 54′, W. 15° 05′			53	11.7	80	w.			4		2		ssw.	0	0	long	nnw.	clear.
S. S. Assyrian Monarch, N. 42° 33′, W. 42° 48′ †	29.28	743.7				wnw			5		0			3 h'r	3 h'r	mod.	wnw.	clear.
S. S. Bohemia, N. 47° 20′, W. 22° 48′						nw;se.			2–6		10		s.	3 h'r	3 h'r	mod.	var.	raining.
S. S. Britannic, N. 48° 20′, W. 32° 16′			48	8.9		ese.			5		4		nw.	0	0	sm'b		d. clouds.
S. S. City of Washington, N. 26° 40′, W. 79° 59′*†	29.90	759.4	77?	25.0?		sw.			5		2		sw.	0	0	light	sw.	clear.
Bk. U. S. Bushnell, N. 36° 24′, W. 7° 09′	30.10	764 5			65	wnw.			2		5		nw	sh'rs	sh'rs	r'gh	wnw.	hazy.
S. S. Circassian, N. 51° 32′ W. 26° 48′			41	5.0		wnw.			2		10		wnw.			4	ne.	overcast.
S. S. Denmark, N. 48° 30′, W. 22° 41′†	29.46	748.3	50	10.0	93	e			0		10		e.	sh'rs	sh'rs	mod.	e.	cloudy.
S. E. B. Sutton, N. 40° 33′, W. 43° 50′*†	29.44	747.8	63	17.2	83	w.			4		4		w.	h'vy	h'vy	r'gh	w.	fair.
S. S. Eider, N. 45° 44′ W. 36° 28′*	29.22	742.3	52.7	11.5		ne.			2–3		3		e.	1 h'r	1 h'r	long	se;ne	hazy.
S. S. Frisia, N. 40° 50′, W. 68° 55′	29.56	750.8	36.5	2.5		nw.			4		8		n.	0	0	sm'h	nw.	cloudy.
S. Henry Failing, N. 51° 38′. W. 11° 36′			55	12.8		wnw.			4		4		w.	3 h'r	3 h'r	mod.	wnw.	fair.
S. S. Helvetia, N. 47° 19′, W. 23° 23′	29.36	745.7	50	10 0	86	ene.			5		9		ese.	0	0	mcd	con.	cloudy.
Bk. Heinrich & Tonio, N. 40° 00′, W. 65° 50′			47	8.3	92	nw.			3		10		nw.	10 h'r	10 h'r	mod.	nw.	rainy.
S. S. Lord Clive, N. 48° 47′, W. 26° 39′						e.			5		9		e ;sw	0	0	mod.	nne.	cloudy.
Bg. L. & W. Armstrong, N. 28° 41′, W. 68° 41′*†	29.66	753.4				nnw.			6		4		nw.	½h'r	½h'r	cross		threatening
S. S. Lone Star, N. 27° 30′, W. 87° 05′*†	30.04	763.0	70	21.1		n.			1		0			0	0	sm'h		dense haze.
S. S. Llandaff City, N. 41° 30′, W. 51° 02′			50	10.0		wsw.			2		3		rain	rain	rain	mod.	w.	heavy rain
Schr. Maggie Abbott, N. 34° 50′, W. 69° 12′ *†	29.54	750.3				nw.			7		8		nw.	sh'rs	sh'rs	hv'y	cross	cloudy.
S. S. Madrid, N. 35° 34′, W. 69° 07′ †	29.47	748.5	56	13.3	75	nw.			0		4		nw.	sh'rs	sh'rs	mod.	nw.	fair.
S. S. Main, N. 40° 31′, W. 52° 22′	29.30	744.2	57.2	14.0		wsw.			3		4?		w.	2 h'r	2 h'r	long	w.	cloudy.?
S. S. Marengo, N. 44° 56′, W. 39° 56′	29.29	744 0	54	12.2		var.			1		0			8 h'r	8 h'r	sli't	ese.	clear.
S. S. Normandie, N. 40° 25′, W. 67° 02′*†	29.45	748.0	41 0	5		nnw.			3		9		calm	0	0	mod.	n.	foggy.
S. S. Oregon, (Br.) N. 52° 54′, W. 26° 17′	29.49	749.0	38	3.3		w.			3		10		w.	1 h'r	1 h'r	h'vy	wnw.	cloudy.
S. S. Olbers, N. 17° 25′, W. 54° 33′	30.12?	765.0?	75	23.9	72	se.			2		9?		se.			4-5	nw.	clear.?
S. S. P. Caland, N. 49° 40′, W. 8° 34′			54.3	12.4		wsw.			2		1		wsw.			sm'h		clear.
S. S. Rosse, N. 33° 59′, W. 69° 43′			59	15.0	70	nw.			6		6		nw.	2 h'r	2 h'r	h'vy	nw.	gloomy.
S. S. State of Nebraska, N. 53° 00′, W. 18° 36′*†	29.60	751.8	46	7.8		w.			3–5		6		nw.	0	0	high	n.	d. clouds.
S. S. State of Georgia, N. 54° 31′, W. 15° —′†	29.53	750.0	50	10.0		sw.			6		8		sw.	0	0	mod.	wnw.	cloudy.
S. S. Scythia, N. 41° 02′, W. 62° 00′	29.38	746.2	47	8.3	92	nnw.			3		9		nw.	0	0	mod.	var.	hazy.
Bk. Tuck Sing, N. 35° 49′, W. 70° 54′ *†	29.68	753.9				nnw.			5		10			3 h'r	3 h'r	mod.	nnw.	raining.
S. S. Valencia, N. 25° 08′, W. 69° 56′ †	29.80	756.9	75	23.9	81	wnw.			6		8		nw.	2 h'r	2 h'r	mod.	wsw.	squally.
S. S. Vaderland, N. 48° 00′, W. 25° 15′*†	29.51	749.5	51	10.6		e.			4		8		ne.	0	0	mod.	ne.	overcast.
S. S. Wieland, N. 41° 50′, W. 46° 44′						s.			2		0			0	0	mod.	sw.	clear.
S. S. Weser, N. 49° 50′, W. 5° 36′	29.70	754.4	53.6	12.0		w.			2–3		0			2 h'r	2 h'r	3	w.	clear.
S. S. Westernland, N. 49° 56′, W. 10° 00′	29.69	754 1	56	13.3	81	sw.			1		1		sw.	0	0	light		clear.
S. S. Waesland, Antwerp, Belgium			62	16.7		s.			5		9		s.	0	0			cloudy.
S. S. Lessing, N. 42° 31′, W. 42° 33′			64	17.8		wnw.			4		7		wnw.	1½ hr	1½ hr	r'gh	nw.	fair.
Bk. Alpha, N. 20° 20′, W. 63° 35′ *†	29.98	761.5	78	25.6		ssw.			5		2		s.	0	0	sm'h		clear.
Schr. Adda Doane, N. 20° 40′. W. 74° 20′ †	29.97	761.2				sw.			3		0			0	0	sm'b		clear.
S. S. Andes, N. 20° 37′, W. 65° 50′*†	30.04	763.0	61	16.1		ssw.			2		0					sm'h		fine.
S. S. British Princess, N. 42° 39′, W. 44° 00′ †	29.33	745.0				nw.			3		7		nnw.	4 h'r	4 h'r	sm'h		fair.
S. S. Caracas, N. 26° 10′, W. 67° 53′ *†	29.80	756.9	74.5	23.6	88	wsw.			6		10		nw.	1½h'r	1½h'r	sharp	ssw.	overcast.
S. S. Chalmette, Algiers, La †	30.02	762.5	60	15.6		sw.			2		0			0	0			clear.
S. S. Devonia, N. 40° 58′, W. 64° 24′ †	29.38	746.2	46	7.8		n.			3		10		n.	0	0	sli't	sw;n.	cloudy.
Bk. Esmeralda, off Inistrahull, Ireland	29.54	750.3				se.			4		7		s.	0	0	light	w.	hazy.
S. S. Erin, N. 41° 23′, W. 52° 27′			54	12.2		wsw.			4		2		w.	1 h'r	1 h'r	mod.	wsw.	clear.
S. S. England, N. 43° 39′, W. 39° 32′	29.28	743.7				e.			1		0			8 h'r	8 h'r	h'vy	w.	clear.
S. S. Foscolia, N. 43° 29′, W. 21° 05′ †	29.38	746.2	62	16.7		wsw.			3		10		var.	6 h'r	6 h'r	cross		showery.
S. Grecian, N. 42° 17′, W. 60° 21′	29.34	745 2	38	3.3	90	nw.			3		10			0	0	sm'h		dense fog.
S. S. Habsburg, N. 38° 57′. W. 54° 25′	29.13	739.9				w;wsw			5–8		8		wsw.	6 h'r	6 h'r	r'gh	wsw.	squally.
Bk. Idaho, N. 21° 33′, W. 72° 50′ *†	29.95	760.7				w.			4		1		w.	0	0	sm'h		clear.
Bg. Lilian, N 22° 00′, W. 58° 05′†	30.05?	763.3?				ssw.			4		3		s.	0	0	r'gh	nw.	clear.
S. S. Laurador. N. 49° 47′, W. 13° 01′			50.0	10.0		w.			3		4		sw.			sm'h	w.	fair.
S. S. Muriel, Trinidad, W. I	29.96	761.0	80	26.7		e.			3		0			0	0	sm'h		clear.
S. S. Neckar, N. 48° 35′, W. 17° 16′	29.68	753.9	53.6	12.0		se.			2		8?		s.	0	0	mod.	nw.	clear.?
S. S. New York, N 24° 30′, W. 81° 30′*†	29.98	761.5	68	20.0		n.			6		5		nw.			h'vy	sw	fair.
S. S. Prussian, N. 45° 04′, W. 42° 30′			59	15.0		ese.			4		7		ese.	0	0	sli't	var.	fair.
S. S. Samaria, N. 42° 09′ W. 60° 52′*	29.43	747.5	41	5.0		nne.			4		7		n.	0	0	sli't	n.	fair.
Bk. Tros, N. 23° 39′, W. 60° 33′*†	29.94	760.5	76	24.4		sw.			5–6		6		sw.	1 h'r	1 h'r	mod.	sw.	fair
S. Tsernogora, N. 33° 56′, W. 69° 55′ *†	29.57	751.1				nw			5		6		nw.	16 h'r	16 h'r	long	nw.	squally.
S. S. Werra, N. 46° 19′, W. 26° 00′*	29.24	742.7	53.6	12.0		wsw.			5		10		ese.	4 h'r	4 h'r	r'gh	se.	raining.
U. S. S. Alliance, N. 19° 04′, W. 68° 16′	30.00	762.0	76	24.4	73	s.			4		2		s.	0	0	long		fair.
U. S. S. Galena Port au Prince, Hayti, W. I *	29.94	760.5	75	23.9	77	e.			1		0					sm'h		clear.
U. S. S. Jamestown, N. 16° 03′, W. 62° 05′	30.02	762.5	77	25.0	69	se.			5		2					sm'h		fair.
U. S. S. Kearsarge, Jaffa, Syria	30.13	765.3	64	17.8	73	nw.			3		0							clear.
U. S. S. Lancaster, Jaffa, Syria	30.11	764.8	64	17.8	78	w.			2		2					sm'h		fair.
U. S. S. Portsmouth, N. 21° 29′, W. 66° 38′	30.02	762.5	76	24.4	91	sw.			3		2		s.				s.	clear.
U. S. S. Quinnebaug, N. 34° 55′, E. 12° 01′	29.89	759.2	63	17.2	78	n.			5		10					mod.	n.	cloudy.
U. S. S Saratoga, Lisbon, Portugal	30.05	763.3	60	15.6	76	w.			1		2		w.	light	light	sm'h		fair.
U. S. S. Swatara, Matanzas, Cuba, W. I	29.93	760.2	73	22.8	85	nnw.			3		0			mod.	mod.	sm'h		fair.
U. S. S. Vandalia, N. 23° 23′, W. 81° 08′	29.96	761.0	71	21.7	75	nnw.			4		5		nw.			sm'h		fair.
U. S. S. Yantic, Port Nipe, Cuba, W. I	29.95	760.7	73	22.8	90	s.			2		2							clear.
H. M. S. Alexandra, N. 35° 54′, E. 17° 12′	29.88	758.9	64	17.8	73	se.			3		2		se.			sm'h		d. clouds.
H. M. S. Alecto, N. 5° 05′, W. 1° 21′	29.95	760.7	83	28.3		ssw.			1		4					4	ssw.	d. clouds.
H. M. S. Inflexible, Zante, Ionian Ids	30.04	763.0	65	18.3	94	se.			2		3		se.			2	sse.	d. clouds.
H. M. S. Minotaur, Phalerum Bay, Greece	30.01	762.2	63.5	17.5	81	sse.			3		1							blue sky.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.92	759.9	86.5	30.3	82	une.			4		4		ne.	0	0	4	se.	d. clouds.
S. S. British Crown, N. 46° 04′. W. 35° 48′†	29.22	742.2	47	8.3		sse.			5		10			3 h'r	3 h'r	mod.	con.	raining.
S. S. Lord Gough, N. 41° 44′, W. 54° 58′*	29.22	742.2	46	7.8		w.			5		8		w.	0	0	mod.	w.	cloudy.
S. S. Ohio, (Am) N. 39° 18′, W. 70° 21′ †	29.63	752.6	43	6.1		wnw.			6		7?			0	0			clear.?
S. S. Scandinavian, N. 48° 56′, W. 34° 21′			47	8.3		ene.			5		9		se.	0	0	mod.	var.	d. clouds.
S. S. Dorian, N. 37° 52′, W. 13° 45′	29.97	761.2	60	15.6		ssw.			6		10		wsw.	0	0	mod.	wnw.	cloudy.
S. S. Westphalia, Hamburg, Germany			55	12.8		se.			3		5?		se	0	0			covered.?
S. S. Moravia, N. 46° 11′, W. 34° 18′			50.0	10.0		var.			4–6		10		se.	4 h'r	4 h'r	r'gh	var.	misty.
S. S. Hevelius, Antwerp, Belgium †	29.59	751.6	60	15.6		sse.			5		9		s.	1 h'r	1 h'r			cloudy.
S. S. Archimede (It), N. 42° 40′, E. 10° 11′			68	20.0		nw.			2		4		wsw.	3 h'r	3 h'r	sm'h	w.	fair.
S. S. Donau, N. 49° 44′, W. 4° 00′						wsw.			2		0			9 h'r	9 h'r	sm'h		clear.
S. S. Baltimore, N. 44° 53′, W. 37° 16′†	29.72	754.9				ne.			2		2		ne.	driz.	driz.	mod.	w.	misty.
S. S. City of Augusta, N. 38° 02′, W 74° 44′*†	29.20	741.7	55.4	13.0		nne.			4		10		n.	0	0			cloudy.
S. S. Belgenland, N. 49° 46′, W. 10° 20′	29.76	755.9				wsw.			3				sw.	0	0	mod	sw.	cloudy.
S. S. Pennland, Antwerp, Belgium*†			53	11.7	86	ssw.			2		5		s.	0	0			fair.
S. S. Amsterdam, Amsterdam, Holland	29.56	750.8	64	17.8	83	e.			1		5		e.	3 h'r	3 h'r			hazy.
S. S. Zaandam, N. 41° 45′ W. 48° 04′			53.2	11.8	88	calm			0		1			2 h'r	2 h'r	mod.	w.	clear.
S. S. Maasdam, N. 41° 13′, W. 43° 17′*	29.36	745.7	53.6	12.0	81	wnw.			4		5?		wnw.	1½ hr	1½ hr	4	wnw	cloudy.?
S. S. Saxon, Fort Delaware, Delaware Bay			63	17.2	80	nw.			1		0			0	0			clear.
S. S. Iowa, N. 50° 49′, W. 12° 44′†	29.65	753.1	53	11.7		ssw.			2		7		ssw.	3 h'r	3 h'r	sm'h	wnw.	fair.
Bg. Alcira. N. 19° 12′, W. 66° 05′	29.95	760.7	80	26.7		s.			3		2		s.	0	0	h'vy	nnw.	blue sky

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Antonio Lopez, N. 20° 54′, W. 74° 38′	29.96	761.0	77	25.0	82	sw.	.....	.....	3	.....	1	.....	.....	0	0	mod.	sw.	clear.
Schr. Arthur Burton, Ponce, Porto Rico, W.I†	30.00	762.0	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	ne.	0	0	sm'h	.....	fine.
Schr. Annie R. Lewis, N. 20° 46′, W. 64° 31′†	29.99	761.7	80	26.7	.....	s.	.....	.....	4	.....	2	.....	ssw.	0	0	long	n.	clear.
Schr. Annie A. Holton, N. 32° 14′, W. 69° 36′*†	29.87	753.6	63	17.2	... ...	nw.	.....	.....	7	.....	10	.....	nw.	½ h'r	½ h'r	r'gh	nnw.	cloudy.
Bk. Aureola, N. 27° 26′, W. 30° 34′†	30.23	767.8	70	21.1	90	sw.	.....	.....	5	.....	5	.....	wsw	0	0	mod.	wnw.	fair.
Bgt. Achsah, N. 18° 08′, W. 63° 19′†	30.01	762.2	79	26.1	.....	se.	.....	.....	5	.....	2	.....	se.	0	0	mod.	se.	clear.
Bk. Adelaide, N. 6° 25′, W. 46° 22′*†	30.01	762.2	85	29.4	.....	ene	.....	.....	5	.....	1	.....	ene.	0	0	mod.	ene.	clear.
Schr. Abbie H. Gheen, N. 38° 05′, W. 72° 25′	.....	.....	.....	.....	.....	ne.	.....	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	squally.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†.	29.99	761.7	78	25.6	.....	ene.	.....	.....	4	.....	10	.....	ene.	8 h'r	8 h'r	.....	.....	cloudy.
Bk. Cuto, N. 51° 06′, E. 1° 20′†....	29.01	752.1	54	12.2	87	nnw.	.....	.....	4	.....	8	.....	nnw.	0	0	.....	.....	foggy.
S. Cornelius, N. 30° 15′, W. 18° 44′*†	30.19	766.8	68	20.0	.....	sw.	.....	.....	2	.....	2	.....	.....	0	0	long	nnw.	fair.
Bk. Diamant, N. 38° 33′, W. 58° 12′	29.21	741.9	57.4	14.1	77	nnw.	.....	.....	2	.....	8	.....	nw.	1 h'r	1 h'r	4	nw.	cloudy.
S. E. J. Spicer, N. 40° 00′, W. 62° 00′....	29.35	746.2	55	12.8	93	nw.	.....	.....	5	.....	10	.....	nnw.	rain	rain	mod.	wnw.	raining.
Schr. Edith R. Seward, N. 34° 32′, W. 69° 10′	.....	.....	58	14.4	.....	nw.	.....	.....	5	.....	6?	.....	nnw.	½ hr	½ hr	cross	nnw.	clear.?
U.S. Fish Com. S. S. Fish Hawk, Georgetown, S.C†	29.96	761.0	46	7.8	.....	n.	.....	.....	1	.....	1	.....	n.	.....	.....	sm'h	.....	clear.
S. Ismir, N. 62° 28′, W. 43° 30′*† ...	30.01	762.2	.....	.....	.....	ne.	.....	.....	5	.....	3	.....	ne.	0	0	long	ene.	clear.
Bg. George, N. 28° 14′, W. 68° 46′	.....	.....	.....	.....	.....	wnw.	.....	.....	4	.....	2	.....	wnw.	½ hr	½ hr	r'gh	w.	fair.
Bk. Gloire, N. 39° 50′, W. 66° 20′	29.53	750.0	46	7.8	92	wnw.	.....	.....	4	.....	.....	.....	nw.	2 h'r	2 h'r	sm'h	.....	cloudy.
S. Grecian, N. 41° 54′, W. 31° 14′†..	29.41	747.0	65	18.3	84	ssw.	.....	.....	4	.....	5	.....	sw.	1 h'r	1 h'r	mod.	var.	fair.
Bk. Galeon, N. 13° 16′, W. 52° 25′†	30.07	763.8	78	25 6	.....	e.	.....	.....	3	.....	9	.....	se.	0	0	.....	.....	overcast.
S. Hedwig, N. 42° 27′, E. 16° 04′	29.79	756.6	61.5	16.4	83	ese.	.....	.....	6	.....	7	.....	se.;sw.	1 h'r	1 h'r	3	se.	hazy.
Bk. Hattie G. McFarland, N. 24° 26′, W. 84° 45′	.....	.....	72	22.2	.....	nne.	.....	.....	6	.....	5	.....	ne.	0	0	r'gh	nw.	fine.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	82	27.8	.....	nw.	.....	.....	2	.....	8	.....	wnw.	.....	.....	.....	.....	cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I *†	29.96	761.0	.....	.....	.....	nnw.	.....	.....	6	.....	9	.....	nnw.	2½ h'r	2½ h'r	.....	.....	cloudy.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†	30.07	763.8	.....	.....	.....	nne.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, Zaza, W.I *†	29.99	761.7	.....	.....	.....	ne.	.....	.....	1	.....	.....	.....	ne.	0	0	.....	.....	clear.
Schr. Jenny Greenbank, N. 14° 21′, W. 64° 50′ *	29.96	761.0	78	25.6	.....	ese.	.....	.....	3	.....	2	.....	e.	0	0	mod.	e.	clear.
Schr. Jennie R. Morse, N. 31° 28′, W. 80° 47†.	29.93	760.2	.....	.....	.....	w.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	ne.	clear.
Lighthouse Tender Laurel, Key West, Fla†	29.98	761.5	68	20.0	.....	nne.	.....	.....	3-4	.....	3	.....	ne.	0	0	.....	.....	clear.
S. S. Mendoza, N. 21° 17′, W. 59° 37′.	.....	.....	.....	.....	.....	s.	.....	.....	2	.....	.....	.....	sw.	0	0	mod.	nw.	clear.
Schr. Martinique, N. 32° 06′, W. 65° 30′	.....	.....	65	18.3	.....	nw.	.....	.....	6	.....	4	.....	wnw.	0	0	h'vy	wnw.	fair.
Schr. Norena, N. 38° 49′, W. 69° 32′ ..	.....	.....	.....	.....	.....	nnw.	.....	.....	4	.....	7	.....	nw.	.....	.....	sm'h	nnw	showery
Bg. Rising Sun, N. 18° 30′, W. 56° 35′ †	30.02	762.5	78	25.6	.....	sse.	.....	.....	4	.....	4	.....	sse.	0	0	mod.	sse.	
Bk. Rosalie, N. 23° 13′, W. 33° 15*†	30.15	765.8	.....	.....	.....	sw.	.....	.....	2	.....	0	.....	.....	0	0	mod	wnw.	clear.
Bkt. Rosebud, N. 30° 19′, W. 18° 30′ *	30.15	765.8	65	18.3	.....	sw.	.....	.....	2	.....	0	.....	.....	c	0	sm'h	.....	fine.
S. Salisbury, N. 42° 02′, W. 38° 01′	29.27	743.5	61.3	16.3	81	w.;s.	.....	.....	3	.....	5 k	.....	wsw.	¼ h'r	½ h'r	long	sse.	fair.
Bk. Saga, N. 34° 41′, W. 47° 54′†	29.72	754.8	66.5	19.2	.....	.....	.....	.....	6-8	.....	.....	.....	.....	3¼ hr	3¼ hr	8	.....	light rain.
Bk. Sunbeam, Lisbon, Portugal†....	30.05	763.3	62	16.7	88	ssw.	.....	.....	2	.....	5	.....	wsw.	2 h'r	2 h'r	.....	.....	fair.
Bgt. Sunlight, N. 35° 14′, W. 69° 30′†	29.49	749.0	.....	.....	.....	nw.	.....	.....	5	.....	9	.....	nw.	2 h'r	2 h'r	mod.	nnw.	cloudy.
S. Stephen D. Horton, N. 42° 28′, W. 54° 32′†	29.34	745.2	.....	.....	.....	calm	.....	.....	0	.....	10	.....	.....	0	0	mod.	sw.	cloudy.
Bk. Silica, N. 59° 21′, W. 48° 00′*	29.56	750.8	.....	.....	.....	n.	.....	.....	5	.....	8	.....	se.	snow	snow	.....	.....	fair.
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.02	702.5	76	24.4	... .	nw.	.....	.....	4	.....	8	.....	nw.	0	0	.....	.....	cloudy.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.81	757.2	64	17.8	89	nnw.	4	1.8	.....	.....	10	.....	n.	0.01	0.3	.....	.....	cloudy.
U. S. S. Pensacola, S. 3° 51′, W. 27° 57′†	30.00	702.0	83	28.3	87	e.	.....	.....	4	.....	1	.....	ese.	light	light	sm'h	.....	fair.
U. S. S. Shenandoah, S. 41° 11′, W. 59° 58′*	30.02	762.5	50	13.3	87	se.	.....	.....	7	.....	10	.....	se.	.....	.....	r'gh	se.	stormy.
H. M. S. Amethyst, Montevideo, Uruguay	29.71	754.5	56	13.3	81	sw.	.....	.....	7	.....	7	wsw.	.....	.....	.....	4	sw.	squally.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.91	759.7	62	16.7	.....	w.	.....	.....	1	.....	3	wnw.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, S. 40° 51′; W. 20° 51′	30.08	764.0	60.5	15.8	91	ene.	.....	.....	5	.....	8	calm	.....	.....	.....	3	ene.	d. clouds.
Bk. Achille F., S. 18° 30′, W. 35° 30′*†	30.05	763.3	80.5	26.9	87	se.	.....	.....	3	.....	4	.....	ese.	0	0	.....	.....	squally.
Bk. Bore, S. 7° 16′, W. 30° 13′*†	30.05	764.0	80	30.0	.....	se.	.....	.....	4	.....	2	.....	se.	0	0	sm'h	e.	clear.
S. Frank N. Thayer, S. 25° 00′, W. 23° 08′ *	29.95	760.7	80.5	26.9	80	n.	.....	.....	5	.....	7 km	nnw.	n.	rain	rain	mod.	var.	squally.
S. Gatherer. S. 28° 33′, W. 44° 50′ †	29.96	761.0	84	28.9	100	nw.	.....	.....	3	.....	2	.....	nw.	0	0	sm'h	n.	clear.
Bkt. Levanter, S. 10° 11′, W. 35° 40′	30.06	763.5	85	29.4	.....	ene.	.....	.....	3	.....	2	.....	e.	0	0	light	ene.	clear.
S. Ringleader, S. 5° 14′, W. 29° 30′†	29.87	758.7	82	27.8	78	se.	.....	.....	0	.....	4	.....	se.	0	0	mod.	se.	fine.
S. S. Strassburg, S. 11° 33′, W. 34° 02′	30.08	764.0	81.5	27.5	70	e.	.....	.....	3	.....	4	.....	e.	12 h'r	12 h'r	3	e.	fair.
Bk. Xenia, S. 19° 40′, W. 29° 24′ *†	30.14	765.5	84	28.9	.....	nnw.	.....	.....	3	.....	8	.....	sw.	0	0	mod.	s.	cloudy.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela.	29.87	758.6	74.8	23.8	82	nw.	.....	.....	2	.....	2	.....	.....	0	0	1	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska†	30.49	774.4	39	3.9	82	nw.	.....	.....	3	.....	2	.....	.....	.....	.....	.....	.....	fair.
U. S. Naval Hospital, Yokohama, Japan	29.78	756.4	47	8.3	96	ene.	.....	.....	1	.....	10	.....	ne.	light	light	.....	.....	drizzling.
U. S. S. Alert, Shanghai, China	30.27	768 8	44	6.7	84	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 20° 43′, E. 103° 40′	30.04	763.0	74	23.3	81	e.	.....	.....	6	.....	2	.....	e.	.....	.....	mod.	ene.	clear.
U. S. S. Juniata, Fernando Island, Corea	30.11	764.8	42	5.6	65	nw.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	hazy.
U. S. S. Monocacy, Canton river, China	30.00	762.0	58?	14.4?	94	nnw.	.....	.....	3	.....	10	.....	.....	0	0	.....	.....	misty.
U. S. S. Richmond, Hong Kong, China	29.97	761.2	74	23.3	100	ne.	.....	.....	1	.....	10	.....	s.	0.3	8.	.....	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	29.95	760.7	74	23.3	95	e.	.....	.....	2	.....	3	ese.	.....	.....	.....	.....	.....	misty.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.23	767.8	49	9.4	85	w.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 30′, E. 119° 40′	30.17	766.3	51.8	11.0	91	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	2	.....	squally.
H. P. M. S. Tamega, Macao, China	29.98	761.5	77.0	25.0	92	s.	.....	.....	2	.....	9	.....	.....	0	0	.....	.....	foggy.
U. S. S. Palos, Shanghai, China	30.26	768.6	42	5.6	100	nnw.	.....	.....	1	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
S. S. Newbern, N. 35° 36′, W. 121° 18′	.....	.....	62	16.7	82	se.	.....	.....	3	.....	5	.....	sw.	0	0	light	sw.	fair.
S. S. Arabic, N. 24° 52′, W. 172° 48′*†	29.97	761.2	73	22.8	81	ese.	.....	.....	4	.....	5	.....	ese.	h'vy	h'vy	sm'h	.....	d. clouds.
S. S. City of Chester, San Francisco, Cal†	29.92	760.0	52	11.1	79	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Oregon, N. 42° 17′, W. 124° 39′†	30.00	762.0	51.7	10.9	89	calm	.....	.....	0	.....	2	.....	s.	.....	.....	mod.	s.	clear.
S. S. Alameda, N. 34° 57′ W. 130° 12′ †	29.74	755.4	55	12.8	.....	sw.	.....	.....	6	.....	10	.....	sw.	12 h'r	12 h'r	r'gh	w.	overcast.
S. S. Orizaba, N. 33° 46′, W. 118° 30′†	29.97	761.2	54	12.2	93	wsw.	.....	.....	3	.....	8	.....	w.	0	0	light	w.	foggy.
S. S. State of California, Portland, Oregon†	30.05	763.3	49	9.4	78	nw.	.....	.....	1	.....	3	.....	nw.	0	0	.....	.....	fair.
S. S. City of Pekin, N. 33° 50′, E. 137° 10′ †	29.79	750.7	58	14.4	82	nw.	.....	.....	6	.....	0	.....	.....	0	0	mod.	nw.	clear.
S. S. City of Rio de Janeiro, N. 36° 32′, W. 159° 38′†	30.10	766.1	63	17.2	.....	ese.	.....	.....	3	.....	1	.....	se.	.....	.....	mod.	ne.	clear.
S. S. Colima, Mazatlan, Mexico†	29.92	760.0	62	16.7	72	calm	.....	.....	0	.....	7	.....	sw.	0	0	sm'h	nw.	cloudy.
S. S. Granada, San Jose, Guatemala†	29.88	758.9	78	25.0	86	calm	.....	.....	0	.....	0	.....	.....	0	0	light	.....	hazy.
S. S. San Blas, Panama, Panama†	29.87	758.7	76	24.4	100	n.	.....	.....	3	.....	5	.....	sw.	0	0	.....	.....	fair.
S. S. Benalder, Saigon, Cochin, China	29.91	759.7	82	27.8	83	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 19° 58′ W. 70° 15′	29.92	760.0	63	17.2	83	calm	.....	.....	0	.....	2	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.89	759.2	70	21.1	90	ese.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao, Peru *†	30.00	762.0	69	20.6	100	ese.	.....	.....	2	.....	10	.....	ese.	.....	.....	long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.88	758.9	52	11.1	93	se.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Wachusetts, Valparaiso, Chili	29.90	759.4	51	10.6	100	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....	cloudy.
H. M. S. Nelson, Sydney, N. S. W.	30.06	763.5	64	17.8	84	ssw.	.....	.....	4	.....	10	sw.	.....	.....	.....	.....	.....	raining.
H. M. S. Sappho, S. 29° 55′, W. 71° 20′	29.90	759.4	60	15.6	100	n.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, S. 35° 00′, E. 171° 12′*	29.80	756.9	65	18.3	.....	wnw.	.....	.....	4	.....	8	.....	w.	h'vy	h'vy	.....	.....	heavy rain.
S. S. City of Sydney, S. 10° 21′, W. 169° 26′*†	29.84	757.9	65	29.4	79	nnw.	.....	.....	2	3 cs	.....	.....	nnw.	.....	.....	sm'h	ese.	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Columbo, Ceylon, India	29.87	758.7	86	30.0	92	sw.	.....	.....	2	.....	8	.....	sw.	.....	.....	sm'h	.....	cloudy.
H. M. S. Euryalus, Massuah, Abyssinia	29.90	761.0	82	27.8	83	ne.	.....	.....	1	.....	4	calm	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Magpie, S. 10° 30′; E. 80° 48′	29.90	759.4	80.7	27.1	77	sse.	.....	.....	2	.....	3	.....	.....	.....	.....	3	se.	blue sky.
Bk. Childwall, on Kingston N.S.W.*	30.10	764.5	53	11.7	79	ese.	.....	.....	5	.....	.....	.....	s.	0	0	.....	.....	fine
S. J. W. Glidemeister, S. 14° 40′, E. 87° 28′	29.93	760.2	81.5	27.5	68	sse.	.....	.....	3-4	.....	2 k	.....	se.	0	0	3	ese.	d. clouds.
Bk. Nouva Margherita, S. 80° 48′, E. 105° 53′*†	29.77	756.1	.....	.....	.....	w.	.....	.....	2	.....	.....	.....	nw.	rain	rain	.....	sw.	cloudy.
S. Orealia, N. 8° 53′, E. 82° 23′ *	29.84	757.9	.....	.....	.....	ene.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Lepanto, N. 23° 47′, E. 36° 24′	.....	.....	79	26.1	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	clear.

International Chart I. April 7, 1884. Isobars and Isotherms



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 8, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Reduced to sea-level. Inch.	Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
ALGERIAN.																			
Kemours	.....	.....	30.05	763.3	66.2	19.0	74	se.	.....	.....	1	.....	5	.....	.....	0	0	cloudy	Koziere.
Algiers	.....	.....	29.98	761.4	64.4	18.0	71	w.	.....	.....	5	.....	0	.....	.....	inap.	inap.	clear	Théve.
La Calle	.....	.....	29.03	760.1	65.8	18.8	54	wnw.	.....	.....	4	.....	4	.....	.....	0	0	cloudy	Foufrédt.
Tunis	.....	.....	29.88	759.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.10	764.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.06	763.6	77.7	25.4	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	30.03	762.8	72.7	22.6	28	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.30	769.6	58.7	14.8	62	e.	3	1.3	.....	2 cs	.....	.....	.....	0	0	fine	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.14	765.5	30.33	770 4	53	11.7	87	s.	5	2.2	.....	.....	3	.....	w.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.25	768.3	30.34	770.6	52.0	11.1	78	sse.	4	1.8	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.11	739.3	29.66	753.3	48.2	9.0	61	ne.	.....	.....	3	.....	10	.....	.....	0.043	1.1	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.04	735 0	29.72	754.8	40.8	4.9	52	e.	7.4	3.3	.....	.....	10	.....	.....	0.063	1.6	.....	Dr. Wierzbiski
Eperies	28.86	733.0	29.75	755.7	40.8	4.9	36	calm	.....	.....	0	.....	10 ks	.....	.....	0.010	0.4	.....	Julius Mikolik.
Gratz	28.48	723.3	29.74	755.5	44.2	6.8	76	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	Andreas Rosthi.
Hermannstadt	28.31	719.1	29.76	755.9	44.4	6.9	77	se.	.....	.....	5	.....	10	.....	.....	0.079	2.0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28 45	722.7	29.84	757.8	36.7	2.6	89	calm	.....	.....	0	.....	10	.....	.....	0.114	2 9	.....	The Staff.
Lemberg	28.89	733.9	29.91	759.7	39.6	4.2	74	se.	.....	.....	6	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.44	747.8	29.55	750.6	54.9	12.7	76	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	raining	I. R. Hydrographic Office.
Szathmar	29.21	742.0	.....	.....	46.2	7.9	81	s.	.....	.....	6	.....	10	.....	.....	0.299	7.6	.....	Joseph Midlinszky, S. J
Szegedin	29.35	745.6	29.63	752.7	49.6	9.8	76	s.	.....	.....	3	.....	10	.....	.....	0.772	19.6	sleeting.	Karl Stancel.
Trieste	29.49	749.1	29.59	751.6	55.2	12.9	53	e.	.....	.....	5	.....	10	.....	.....	0	0	.....	Royal Academy.
Vienna	29.07	738.3	29.80	756.8	43.3	6.3	55	nw.	.....	.....	3	.....	3	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	48.9	9.4	87	nw.	.....	.....	3	.....	5	.....	.....	0.079	2.0	raining	
Brussels	29.68	753.8	29.88	758.9	52.5	11.4	84	wsw.	.....	.....	1	.....	10	.....	e.	0.169	4.3	.....	
Furnes	29.88	759.0	29.90	759.5	51.4	10.8	86	wnw.	.....	.....	2	.....	10	.....	.....	0.138	3.5	.....	
Maeseyck	29.78	756.4	29.91	759.6	57.7	14.3	76	n.	.....	.....	2	.....	10	.....	.....	0.028	0.7	foggy	
BRITISH.																			
Aberdeen	29.85	758.2	29.95	760.7	47.0	8.3	81	e.	13	5.8	.....	.....	2	.....	.....	0.035	0.9	blue sky	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.92	760.0	51.8	11.0	74	wnw.	8	3.6	.....	.....	4	.....	.....	.....	.....	d. clouds	John Harmup.
Bolton, Sharples	29.38	746.2	29.91	759.7	51.3	10.7	80	nw.	.....	.....	.....	.....	8	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.51	749.5	29.91	759.7	54.0	12.2	65	ne.	.....	.....	2	.....	3	.....	.....	0.07	1.8	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.06	763.5	30.09	764.3	81.0	27.2	66	ne.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E	29.72	751.9	29.89	759.2	55.3	12.9	81	calm	.....	.....	0	.....	10	.....	.....	.....	.....	misty	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.70	754.4	29.93	760.2	53.0	11.7	83	se.	.....	.....	2	.....	2	.....	.....	.....	.....	blue sky	The Staff.
Fort Napier, Natal	27.47	697.7	29.77	756.1	83.8	28.8	48	ne.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	29.54	750.3	29.77	756.1	80.0	26.7	87	nw.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	29.78	756.4	29.81	757.2	57	13.9	58	s	.....	.....	2	.....	3	.....	.....	0	0	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	29.84	757.9	29.91	760.5	61.8	16.6	89	w.	.....	.....	3	.....	7	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.74	755.4	29.91	759.7	53.7	12.1	77	n.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.63	752.6	29.93	760.2	52.0	11.1	94	sse.	.....	.....	1	.....	10	.....	.....	0.01	0.3	foggy	A. Collenette, F.R.M.S
Kew, Observatory	29.68	758 9	29.92	760.0	55.0	12.8	69	wnw.	4	1.8	.....	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.64	752.8	29.80	756.9	56.6	13.7	58	n.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.70	754.4	29.78	756.4	61.6	16.4	65	w.	.....	.....	2	.....	9	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.07	763.8	30.12	765.0	72.0	22.2	58	ne.	.....	.....	3	.....	7	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.69	754.1	29.92	760.0	57.0	13.9	58	wsw.	.....	.....	3	.....	3	.....	.....	.....	.....	blue sky	The Staff.
Plymouth	29.85	758.2	29.92	760.0	56.2	13.4	75	sw.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky	John Merrifield.
Sandwick Manse, Orkney	29.84	757.9	29.94	760.5	47	8.3	70	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.79	756.7	29.85	758.2	72.0	22.2	34	se.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.62	752.3	29.90	759.4	56.0	13.8	72	nne.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	29.89	759.2	29.92	760.0	54.8	12.7	80	sw.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.91	760.5	52.1	11.2	73	nw.	1	0.4	.....	.....	6	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	57.3	14.1	69	nw.	.....	.....	0.5	.....	2	.....	.....	0	0	blue sky	Rev. G. H. Griffiths, F.M.S
Valencia, Observatory	29.77	756.1	29.79	756.7	54.4	12.4	64	ese.	27	12.1	.....	.....	9	.....	.....	.....	.....	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.53	750.0	29.92	760.0	61.2	16.2	67	nw.	17.4	7.8	.....	c	8 k	.....	w.	0	0	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	30.00	762.0	30.12	765.0	57.7	14.3	88	ene.	5	2.2	.....	.....	10 k	.....	ne.	0.030	0.8	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B	29.92	760.0	29.96	761.0	32	0.0	.....	calm	0	0	.....	9 c	k	e.	.....	0.48	12.2	cloudy	Hon. J. Ferguson
Charlottetown, P. E. Island	29.79	756.7	29.83	757.7	31	— 0.6	79	n.	11	4.9	.....	.....	10 s	.....	.....	0.050	1.3	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.86	758.4	29.93	760.2	33	0.6	85	ne.	8	3.6	.....	2 k	8 ks	ne.	ne.	0.12	3.0	fair	G. A. Blair.
Cornwall, Ontario	29.66	753.4	29.86	758.4	29.2	— 1.6	82	w.	.....	.....	1	0	2 s	.....	.....	0	0	cloudy	Jas. Smith, M. A.
Dalhousie, N. B	29.90	759.4	29.95	760.7	36.0	2.2	.....	calm	.....	.....	0	.....	9 ks	.....	.....	0.80	20.3	dense fog	H. A. Johnson.
Father Point, Quebec*	29.90	759.4	29.92	760.0	34	1.1	92	calm	0	0	.....	.....	fg.	.....	.....	0.02	0.5	fair?	J. McWilliams
Fort Garry, Manitoba*	29.29	744.0	30.19	766.8	16	— 8.9	92	nw.	12	5.4	.....	.....	10 m?	.....	.....	0	0	overcast	James Stewart.
Fredericton, N. B	29.83	757.7	29.90	759.4	33.1	0.6	88	ne.	10	4.5	.....	.....	10 s	.....	.....	0.040	1.0	light snow	Dr. Thos. Harrison.
Grand Manan, N. B	29.79	756.7	29.85	758.2	34	1.1	89	n.	9	4.0	.....	.....	n	.....	.....	0.05	1.3	snowing	J. Chipman Seeley
Granton, Ontario	28 07	728 2	29.81	757.2	31.0	— 0.6	100	e.	2	0.9	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	Jas. Grant.
Halifax, N. S*	29.66	753.4	29.80	756.9	36	2.2	85	n.	8	3.6	.....	10 k	0	n.	.....	0.010	0.3	overcast	A. Allison.
Hamilton, Ontario	29.39	746.5	29.81	757.2	35.2	1.8	95	ne.	.....	.....	1	10 cs	0	e.	.....	0	0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.54	750.3	29.89	759.2	31	— 0.6	85	s.	1	0.4	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A
Little Glace Bay, N. S	29.70	754.4	29.74	755.4	35.0	1 7	90	ne.	.....	.....	2	8 ck	0	.....	.....	0	0	cloudy	C. H. Rigby.
London, Ontario	28.83	733.5	29.82	757.4	31.3	— 0.4	94	calm	.....	.....	0	.....	10 n	.....	.....	0	0	snowing	E. B. Reed.
Medicine Hat, N. W. T	27.70	703.6	30.08	764.0	26	— 3.3	96	e.	1	0.4	.....	0	0	.....	.....	0.40	10.2	blue sky	John Ewart.
Minnedosa, N. W. T	28.20	716.3	30.26	768.6	19	— 7.2	96	n.	2	0.9	.....	0	5 s	.....	w.	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.68	753.9	29.89	759.2	34	1.1	75	sw.	4	1.8	.....	.....	10 s	.....	sw	0.02	0.5	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.62	752.3	29.85	758.2	30.3	— 0.9	86	wsw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.15	740.4	29.88	758.0	22	— 5.6	88	n.	3	1.3	.....	0	1 ks	.....	sw.	0	0	fair	Rev. R. Mosley.
Peterboro, Ontario	29.10	739.1	29.86	758 4	34.7	1.5	78	ne.	.....	.....	1	2 cs	0	.....	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.24	742 7	29.97	761.2	30	— 1.1	88	nw.	6	2.7	.....	.....	10 n	.....	.....	0	0	cloudy	W. P. Cooke.
Port Dover, Ontario	29.10	739.1	29.80	756.9	34	1.1	89	ne.	3	1.3	.....	.....	10 n	.....	.....	0	0	threatening	R. Morgan.
Port Stanley, Ontario	29.15	740 4	29.82	757.4	32	0.0	96	ne.	2	0.9	.....	.....	10 n	.....	e.	0.01	0.3	sleeting	M. Payne.
Qu Appelle, N. W. T	27.85	707.4	30.25	768.3	22	— 5.6	.....	calm	0	0	.....	0	0	.....	.....	0	0	Clear	Leslie Gordon.
Quebec, Quebec*	29.53	750.0	29.89	759.2	35	1.7	92	ne.	8	3.6	.....	.....	fg.	.....	.....	0.25	6.3	dense fog	Capt. A. he, R. N.
Rockliffe, Ontario*	29.40	746.7	29.88	758.9	26	— 3.3	80	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.78	756.4	29.83	757.7	35	1.7	94	ne; e	4	1.8	.....	.....	10 n	.....	.....	0.09	2.3	snowing	
St. John, N. B	29.70	754 4	29.85	758.2	35.0	1.7	93	ne.	12	5.4	.....	4 k	4 ks	ne.	.....	0.030	0.8	cloudy	G. Hutchinson.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Toronto, Ontario*	29.09	738.9	29.83	757.7	30	— 1.1	100	e.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	
Stratford, Ontario	28.49	723.6	29.82	757.4	31.6	— 0.2	96	e.	2	0.9	.....	.....	10 s	.....	.....	0	0	d. clouds	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
CANADIAN.—Continued.																			
Sydney, C. B*	29.67	753.6	29.73	755.1	33	— 0.6	85	n.	12	5.4		0	8 k		ne.	0.18	4.6	fair	T.C.Hill, C.E.
Toronto, Ontario*	29.46	748.3	29.85	758.2	31	— 0.6	71	ne.	6	2.7		8 cs	0	s.		0	0	fair	Magnetic Observatory.
Woodstock, Ontario	28.74	730.0	29.84	757 9	31.3	— 0.4	86	ne.	5.0	2 2		0	0			0.100	2.5	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.72	754.9	29.79	756.7	37	2.8	89	ne.	4	1.8			10 s		ne.	inap.	inap.	light rain	Lt. P. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.89	759.2	29.92	760.0	67.5	19.7	95	sw.				7 ck	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.95	760.7			58.5	14.7	87	nw.					10 n			0.04	1.0		Capt. R. Gardner Warton
Springbok Fontein	27.90	708.6			61	16.1	65									0	0		J. P. Ebsutes
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					55.4	13.0	82	nw.			4		10 n		nw.	0	0	cloudy	Leon Herrera.
Valparaiso	29.84	757.8	29.98	761.4	57.6	14.2	89	n.			1	0?	0?			0	0	cloudy?	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.19	766.8	30.21	767.4	44.8	7.1	73	wsw.	6.7	3.0			0			0	0	clear	M. Marc Dechevrens, S. J
DANISH.																			
Copenhagen	30.16	766.0	30.21	767.2	43.5	6.4	68	ese.	22	10.			0						Oversergent Fischer.
Fanöe	30.11	764.7	30.13	765.2	43.4	9.1	61	se.			6		0						Overloerer Lauridsen.
Godthaab, Greenland	29.64	752.9	29.69	754.0	20.3	— 0.5	79	ene.			4		5						S. Kleinschmidt.
Ivigtut, Greenland	29.60	751.8	29.62	752.3	21.7	— 5.7		calm			0		4						
Stykkisholm, Iceland	29.30	744.1	29.34	745.2	35.6	2.0	94	ne.			7		10						A. O. Thoriacius.
Thorshavn	29.71	754.7	29.74	755 3	49.1	9.5	79	sw.	22	10			4						Overloerer Bergh.
Upernavik, Greenland	29.92	759.9	29.97	761.1	— 7.4	—21.9		calm			0		0						
Vestervig	30.07	763.7	30.16	766.0	48.6	9 2	50	e.			4		0						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.96	761.0			76.1	24.5		ne.	4.0	1.8		0	0			0	0		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.34	745.2	30.00	761.9	56.8	13 8	62	nne.			1		6 kn			0.094	2.4		M. Labroue, Direct r.
Alençon, Normal School	29.40	746.8	29.95	760.8	52.2	11.2	85	nnw.			1		5 k		se.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.64	752 9	29.89	759.1	51.1	10.6	85	wsw.			1		10		s.	0.102	2.6	covered	M. Ungerer, Director.
Avignon, Normal School	29.68	753 8	29.76	755 8	64.4	18.	44	nnw.			4		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.35	745 6	29.91	759.7	52.7	11.5	71	nw.			2		10		nw.	0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.64	752.9	29.91	759.6	58.1	14.5	53	w.			1		5		nw.	0.201	5.1	cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.94	735.0	29.83	757.6	56.1	13.4	58	sw.			4		10 n		ne.			raining	M. Gobin, Director.
Bordeaux, Observatory	29.67	753.5	29.93	760.1	60.6	15.9	64	e.			1		8		e.	0.094	2.4	very cloudy	M. Rayet, Director.
Bourges, Normal School	29.39	746.5	29.94	760.4	55.4	13.	88	nw.			1		5		nw.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.73	755.2	29.98	761.4	59.4	15.2	82	s.			2		4		s.	0	0		M. de Kermaree, Dir.
Caen, Normal School	29.82	757 4	29.89	759.3	57.9	14.4	93	nw.			1		0			0	0	clear	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.44	747.8	29.76	755 8	51.6	10.9	85	ssw.					10			0	0	covered	M. Jadot, Director.
Charleville, Normal School	29.35	745.5	29.87	758.7	52.2	11.2	80	nw.			1		10		nw.	0.079	2.0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.54	724.9	29.89	759.2	53.6	12.0	58	n.			2		10		n.	0.098	2.5		M. Allnard, Director.
Cluny, Normal School	29.03	737.4	29.89	759.1	55.0	12.8	70	nw.			1		9		nw.	0.055	1.4		M. de Villemonté, Dir.
Commercy, Normal School	29.08	738.7	29.88	758 9	51.1	10.6	84	w.			4		n	w.	w.	0.161	4.1		Dr. Goulet, Director.
Gap, Normal School	27 34	694.3	29.80	756.9	60.3	15.7	24	e.			2		5 k			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.54	724.9	29.64	752.9	60.3	15.7	47	nw.			6		1		nw.	0	0		M. Kina, Director.
Grenoble, Normal School	29.02	737.1	29.78	756.4	56.8	13.8	63	wnw.			6		kn		ne.	0	0		M. Ablard, Director.
Guéret, Normal School	28 42	721.8	30.02	762 4	52.2	11.2	70	w.			1		n		nw.	0.142	3.6		M. Delorme, Dir.
Lambaile Normal School	29.62	752.4	29.90	759.4	54.7	12.6	68	s.			2		5 k		s.	0	0	cloudy	M. Polipre, Dir.
Lescar, Normal School	29.39	746 4	29.97	761.3	65.7	18.7	42	se.			1		0			0	0	clear	M. Chauvin, Director.
Lorient, Naval Observatory	29.86	758 5	29.97	761.1	61.2	16.2	67	s.			1		5		se.	0	0	½ covered	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28.80	731 6	29.86	758 4	54.1	12.3	60	n.			4	ck	5 n	ene.	n.	0.260	6.6	cloudy	M. André, Director.
Mans, Normal School	29.65	753.1	29.96	760 9	54.5	12.5	72	ese.			1		5 kn		nw.	0.083	2.1	cloudy	M. Richard, Director
Marseille, Observatory	29.41	747.0	29.68	753.8	64.0	17.8	35	nw.			8		1		nw.	0	0		M. Stephan, Director.
Montlouis	24.66	626.3	29.50	749.3	46.4	8.0	34	n.	11.2	5.0			0			0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.69	754.1	29.80	756.9	63.3	17.4	86	nw.			4		0			0	0	clear	M. Galzin, Director.
Nancy, Normal School	29.02	737 0	29.82	757.3	50.4	10.2	86	nw.			1		n	sw.	w.	0.150	3.8		M. Hasse, Director.
Nantes, Observatory	29.82	757.5	29.98	761 6	58.3	14.6	64	ne.			1		8 k; kn		wnw.	0.039	1.0		M. Larocque, Director.
Perpignan, Observatory	29.76	756.0	29.87	758.8	61.5	16.4	38	nw.	16.8	7.5			0			0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.02	534.0			29.8	— 1 2		calm			0		0			0	0	clear	M. Vaussenat, Director.
Privas, Normal School	28.78	730.9	29.83	757.7	57.9	14.4	44	n.			1		5	n.	n.	0	0	cloudy	M. Taillieu.
Puy de Dôme Obs'y, Summit	25.01	635.2			33.8	1.0	98	n.			3		8			0.500	12.7		M. Allnard.
Rochefort, Naval Obs'y	29.93	760 3	29.97	761.1	63.3	17.4	65	calm			0		5			0	0	½ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.52	749 9	29.74	755 4	56.5	13.6	72	w.			1			ne.	ne.	0	0		M. Brothier, Director.
Rodez, Normal School	27 80	706.2	29.97	761.1	51.4	10.8	70	n.			1		10		se.			raining	M. Seger, Director.
Rouen, Normal School	29.87	758 8	29.92	760 0	55 4	13.	75	nw.			1		5		nw.	0.08	2.	foggy	M. Mouillot, Dir.
Saint Maur, Observatory	29.76	755 9	29.93	760.1	54.3	12.4	70	nw.			1				nw.	0.118	3.0		M. Renou, Director.
Toulouse, Observatory	29.24	742.6	29.96	761.0	60.1	15.6	55	nnw.			1		2	nw.		0	0	slightly cl'dy	M. Baillaud, Director.
Tours	29.78	756.3	29.95	760.8	55.8	13.2	73	sw.			1		2	wsw.	w.	0.118	3.0	slightly cl'dy	M. de Tastes.
Versailles, Observatory	29.43	747.6	29.93	760.1	52.5	11.4	75	nw.			1					0	0		Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.77	756.1	29.92	759.9	62.6	17.0	53	se.	7.8	3.5		6 c; ck		w.		0	0		M. Carlier, Director.
GERMAN.																			
Ansbach	28.39	721.0	29.84	758.0	47.5	8.6	34	ne.			4		1	ne.		0.193	4.9		Prof. Jnedt.
Bamberg	28.99	736.3	29.83	757.6	48.4	9.1	40	ene.			6		2 k		e.	0.039	1.0		Prof. Dr. Hoh.
Berlin	29.80	756.8	29.94	760.5	46.8	8.2	34	e.			3		10			0	0		Meteorological Institute
Breslau	29.27	743 4	29.80	756.8	37.6	3.1	90	ne.			2		10			0.063	1.6	snow & hail	Royal University Obs'y
Carlsruhe	29.39	746.4	29.85	758 2	47.8	8.8	92	e.			1		10	se.		0.280	7.1		Albert Senz.
Cassel	29.27	743.4	29.98	761.5	50.7	10.4	24	ne.			6		0			0.063	1.6		Dr. H. Möhl.
Frankfort-on-the-Main	29.49	749 0	29.85	758.2	55.2	12.9	40	nne.			1		0			0.114	2.9		Physical Society.
Friedrichshafen	28.41	721.6	29.83	757.7	50.4	10.2	81	w.			3		10	w.		0.579	14.7	raining	Wilhelm, Chief Tel.
Hamburg	29.99	761.7	30.08	764 0	47.5	8.6	50	ene.			5		1			0	0		E. Preller.
Kiel	30.10	764.4	30.11	764.8	44.2	6.8	56	e.			5		1			0	0		Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.52	749 9	29.95	760.8	44.6	7.0	52	nne.			2		8	ene.		0	0		H. Leppig, Asst.
Magdeburg	29.77	756.2	29.97	761.1	49.1	9.5	38	ne.			3		5			0	0		Weather Observatory.
Memel	30.23	767.8	30.28	769.0	45.7	7.6	50	se.			4	10 cs							Issermann.
Munich	27 98	710.6	29.82	757.5	39.7	4.3	80	n.			4		10	nw.		1.787	45.4	raining	Central Station.
Neufahrwasser	30.09	764.3	30.12	765.0	41.4	5.2	81	ne.			5		2			0	0		A. Lothes.
Neustadt, Palatinate	29.29	743.9	29.81	757.2	48.0	8.9	95	calm			0		10					raining	Prof. Dickmether.
Stuttgart	28.88	733.5	29.78	756.3	50.4	10.2	70	ne.			1		10			0.059	1.5		Prof. Dr. Schoder.
Wustrow	30.05	763.2	30.07	763.8	43.0	6.1	74	ne.			3		5 k			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.40	746.8	29.78	756.4	70.0	21.1		s.			4.5	4				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.68	753.8	29.72	755.0	85.6	29.8	55	sw.	22.0	9.8			7			0	0	d. clouds	
Deesa	29.21	741 9	29.66	753.4	98.6	37.0	17	sw.	16.0	7.2			2	sw		0	0	d. clouds	
Bombay	29.77	756 2	29.81	757 1	82.1	27.8	75	wnw.	14.0	6.3			0			0	0	blue sky	
Poona, Yarrowda	27.92	709.3	29.72	755 0	93.5	34.2	16	wnw.	20.0	8.9			0			0	0	blue sky	
Trichinopoly	29.53	750.0	29.80	759.8	99.9	37.7	26	se.	0.3	0.1			0			0	0	blue sky	
Bellary	28.27	717 9	29.68	753.7	100.0	37.8	21	wsw.	6.0	2.7			0			0	0	blue sky	
Belgaum	27 27	692.7	29.77	756.1	83.8	28.8	57	ssw.	10.0	4.5			2		w.	0	0	d. clouds	
Lahore	28.94	735 2	29.67	753 7	87.5	30.8	27	calm	0	0			2			0	0	d. clouds	
Roorkee	28.77	730.6	29.65	753.0	87.7	30.9	21	w.	1.0	0.4			2			0	0	misty	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0-0	Clouds. Amount and kind. Upper. 0-10	Lower. 0-10	Direction. Upper. From.	Lower. From	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER	OBSERVERS.
INDIAN.—Continued.																			
Agra	29.13	739.8	29.68	753.8	94.1	34.5	27	w.	2.0	0.9			0			0	0	blue sky	
Nagpur	28.62	727.0	29 62	752.4	99.7	37.6	11	w	12.0	5.4			0			0	0	blue sky	
Jubbulpore	28.36	720.4	29.68	753.8	94.7	34.8	15	nw.	6.0	2.7			0			0	0	misty	
Lucknow	29.30	744.1	29.66	753.4	91.1	32.8	18	wnw.	11.0	4.9			0			0	0	misty	
Allahabad	29.35	745.4	29.65	753.1	93.6	34.2	16	w.					0			0	0	blue sky	
Patna	29.44	747.7	29.62	752.2	94.7	34.8	14	w.	3.8	1.7			0			0	0	blue sky	
Hazaribagh	27.65	702.4	29.61	752.0	89.7	32.1	10	wnw.	18.0	8.0			0			0	0	d. clouds	
Cuttack	29.58	751.3	29.66	753.3	87.5	30.8	59	w.	12.0	5.4			2			0	0	d. clouds	
Calcutta, Alipore	29.64	752.7	29.66	753.2	85.2	29.6	70	sse.	15.0	6.7			8		W.	0	0	d. clouds	
Chittagong	29.67	753.5	29.76	755.8	80.7	27.1	75	sw.	8.0	3.8			5			0	0	d. clouds	
Sibsagar	29.36	745.6	29.70	754.2	74.5	23.6	74	ne.	2.0	0.9			6	sw.	sw.	0.02	0.5	blue sky	
Jeypore	28.26	717.8	29.66	753.4	93.7	34.3	8	wnw.	11.0	4.9			0			0	0	d. clouds	
Zanzibar	29.79	756.7			87.6	30.9	64	se.	2.9	1.3			5	ese.	ssw.				
ITALIAN.																			
Udine	29.18	741.1	29.58	751.4	58.5	14.7	55	se.	1.8	0.8			10			0	0		Prof. Giovanni Olodig.
Milan	29.07	738.4	29.56	751.4	67.5	19.7	41	se.	2.5	1.1			7	sse.		0	0		Prof. G.V.Schiapparelli
Padua	29.46	748.3	29.57	751.0	62.4	16.9	62	calm	0	0			10	se		0.020	0.5		Prof. Dott. Lorenzoni.
Moncalieri	28.69	728.6	29.58	751 4	64.2	17.9	49	sse.	0.7	0.3			8	ne.		0.079	2.0		Prof. F. F. Denza.
Genoa	29.39	746 4	29.58	751.3	60.8	16.0	64	sw.	6.3	2.8			6	s.		0	0		Prof. G. M. Garibaldi.
Pesaro	29.52	749.7	29.56	750.9	53.8	12.1	92	ne.	20.0	9.2			10	ne.		0.425	10.8		Prof. Luigi Guidi.
Florence	29.32	744.6	29.57	751.0	61.5	16.4	64	sw.			2		10			0.244	6.2		Prof. Costantino Pittei.
Leghorn	29.45	748.1	29.54	750.2	59.0	15.0	76	w.	7.4	3.3			10	w.		0.150	3.8		Prof. P. Monte.
Rome	29.41	746.9	29.58	751.3	60.4	15.8	72	w.	18.1	8.1			10	w.		0.012	0.3		Prof. P. Tacchini.
Lecce	29.36	745.7	29.61	752.0	60.4	15.8	61	sw.	27.3	12.2			9	sw.		0.248	6.3		Prof. C. de Giorgi.
Cosenza	28.83	732.3	29.72	754.8	57.2	14.0	76	wsw.	2.5	1.1			10	sw.		1.118	28.4		Prof. D. Conti.
Palermo	29.55	750.5	29.80	756.8	60.4	15.8	56	w.	17.4	7.8			9	w.		0.209	5.3		Prof. G. Cacciatore
Syracuse	29.67	753.5	29.71	754.6	68.0	20.0	61	wnw.	24.8	11.1			10	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.10	739.0			57.9	14.4	76	wsw.	10.5	4.7			9	wnw.		0.547	13.9		Prof. F. Brioschi.
Stelvio	21 86	555.3			28.0	— 2.2	81	ne.			2		10			0	0	misty	Prof. P. F. Denza.
Valdobbia	21.88	555.6			33.8	1.0	68	ne.			6		8			0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.92	759.9	29.95	760.8	35.0	1.7	78	s.			2	0	0			0	0	clear	H. Hattori.
Awomori	29.87	758.7	29.91	759.7	31.0	— 0.6	72	calm	0	0		0	10cks			0	0	clear	K. Ogawa.
Hakodate	29.90	759.5	29.91	759.8	34.5	1.4	75	n.	3.0	1.3			9 ks		nw.	0	0	overcast	Y. Souma.
Hamamatsu	29.81	757.2	29.91	759.7	46.9	8.3	62	calm			0	0	0			0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	29.97	761.2	29.98	761.6	47.8	8.8	85	ne.	1.1	0.5		0	0			0	0	clear	Y. Okamoto.
Kagoshima	30.03	762.8	30.04	763.1	51.2	10.7	67	nw.			2	0	0			0	0	clear	
Kanazawa	29.87	758.6	29.97	761.3	40.3	4.6	90	s.	2.9	1.2		0	1 s			0.009	0.2	fair	S. Endo.
Kioto	29.79	756.7	29.06	761.1	42.5	5.8	82	nne.	1.6	0.7		0	0			0	0	clear	M. Tojima.
Kochi	29.96	760.9	29.58	761.4	51.3	10.7	79	e.	2.1	0.9		1 ck	0			0	0	clear	K. Kusunose
Kofu	30.01	762 1	30.03	762.8	49.6	9.8	90	ene.			2	0	0			0	0	clear	K. Masuzaki & T. Ishizaim.
Misaka	30.01	762 1	30.03	762.8	49.6	9.8	90	w.	4.0	1.8		1 c	0			0	0	clear	N. Honno & K. Suwa.
Miyako	29.85	758.2	29.96	761.0	32.1	0.1	86	w.	4.0	1.8		1 c	0			0	0	clear	
Nagasaki, I. M. Obs'y	29.90	759.4	30.11	764.8	44.6	7.0	79	calm	0	0		0	0			0	0	foggy	A. Shibuya.
Nemuro	29.85	758.2	29.90	759.5	28.8	— 1.8	91	ese.	6.0	2.7			10 n			0	0	clear	Satoo & Tomikawa.
Niigata	29.92	759.9	29.96	761.0	37.2	2.9	89	wnw.	1.1	0.4		0	0			0	0	clear	Yoshino & Midzushima.
Nobiru	29.92	760.0	29.94	760.4	37.1	2.8	96	n.	5.5	2.4		1 cs	0			0	0	cloudy	T. Ohgi.
Numadzu	29.89	759.2	29.93	760.1	46.2	7.9	77	ne.			2		10 s		W.	0	0	clear	H. Omura.
Osaka	29.95	760.6	29.96	761.0	44.4	6.9	82	se.	1.6	0.7		0	0			0	0	clear	A. Matsuhayashi.
Saga	30.04	763.0	30.06	763.6	45.7	7.6	74	nnw.	2.2	1.0		0	0			0	0	clear	Yamawchi & Sakamoto.
Sakai	29.96	761.0	29.97	761.2	44.0	6.7	75	wsw.			2	5 c	0	W.		0.020	0.5	fair	S. Kimura.
Sapporo	29.81	757.2	29.88	758.9	30.6	— 0.8	78	n.	1.7	0.7		0	1 ks		W.	0	0	clear	S. Sakano.
Shimonoseki	29 89	759.2	30.04	762.9	48.9	9.4	62	wsw.			2	0	0			0	0	covered	The Staff.
Tokei Obs'y, Yeddo	29.89	759.1	29.96	761.1	43.2	6.2	89	ene.	5.4	2.4			10 s			0	0	clear	K. Sakai.
Wakayama	29.90	759.4	29.95	760.8	46.3	7.9	68	ne.	0.6	0.3		0	0						
MAURITIUS.																			
Mauritius R. A. Observatory	29.74	755 4	29.92	760.0	79.6	26.4	66	e.	13.5	6.0		0	2 kn		ese.	0	0	fair	The Staff.
MEXICAN.																			
Leon	24.32	617.7	30.10	764.5	50.0	10.0	59	nnw.	0.9	0.4		1 ck	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.67	753.6	29.94	760.3	60.5	15.8	100	nw.	0.9	0.4		0	0			0	0	dense fog	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.90	759.4	29.90	759.4	54.1	12.3		w.			2					0.055	1.4		
Groningen	29.92	759.9	29.97	761.3	52.0	11.1		s.			3					0	0		
Helder	29.91	759 7	29.91	759.7	51.1	10.6		ese.			3					0.039	1.0		
Hellevoetsluis	29.89	759 1	29.89	759.1	59.9	15.5	74	calm			0					0	0		
Utrecht	29.87	758.7	29.92	759.9	50.9	10.5	86	sse.			1		10			0.031	0.8	covered	H. van der Brink.
Sub-series.																			
Batavia, Java	29.84	758.0			76.5	24.7	92	w.	0	0			10			0	0		Lt. J. J. Ropuman, R.D.N.
NORWEGIAN.																			
Bergen	29.98	761.4	30.04	763 0	57.9	14.4	30	se.	11	5			2			0	0		
Brono	29.99	761.8	30.03	762.8	60.8	16.0	32	calm			0		1			0	0		
Christiania	30.14	765.6	30.29	769.4	48.0	8.9	54	w.	4	2			2			0	0		
Gjæsvær	30.32	770.2	30.35	770.8	27.3	— 2.6		ese.			7		0						
PORTUGUESE.																			
Funchal, Madeira	29.93	760.3	30.02	762.5	65.5	18.6	89	sw.	9.8	4.4			10			0.921	23.4		Capt. D. A. de Cunha.
Lisbon, Observatory	29.52	749.9	29.86	758.5	55.9	13.3	97	s.	16.8	7.5			10			0.693	17.6	raining	The Staff.
Ponta Delgada, Azores	29.78	756.3	29.85	758.1	63.7	17.6	84	w.	10.5	4.7			3			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	30.04	762.9	30.07	763.8	69.1	20.6	73	ne.			3		3						
San Salvador, Congo																			
Serra da Estrella	25.13	638.4	29.95	760.6	38.7	3.7	100	se.	23.7	10.6			10			0.173	4.4	rain & fog	
RUSSIAN.																			
Akmolinski	28.94	735.1	30.11	764.8	13.8	—10.1	90	ne.	7	3		7 ck	0			0	0		Major K. Lasarew.
Archangel	30.41	772 4	30.43	772.9	23.7	— 4.6	70	se.	4	2		0	7 ks			blank	blank		Capt. Sselliwerstow.
Ashuruda	30.20	767.0	30.10	764.6	55.9	13.3	82	w.	22	10			10 kn			0	0		
Astrakhan	30.39	771.9	30.32	770.0	49.6	9.8	44	e.	11	5		0	1 s; hz			0	0	light haze	Capt. Wisganow.
Baku	30.24	768.2	30.20	767.0	45.1	7.3	90	n.	22	10			9 kn						
Barnaul	29.63	752.5	30.17	766 2	14.4	— 9.8	60	wnw.	9	4			3 k			0	0		Meteorological Office.
Bielosersk	29.90	759.5	30.38	771.7	46.6	8.1	41	calm	0	0			10 ks			0	0		
Dorpat	30.17	766.2	30.41	772.5	47.1	8.4	51	ene.	7	3		4 c	0			0	0	light clouds	Rosenthal.
Ekaterinburg	28.95	735.4	29.95	760.8	29.8	— 1.2	78	wsw.	4	2			10			0.008	0.2	snowing	Meteorological Obs'y.
Elisawetgrad	29.80	756.8	30.26	768.6	44.1	6.7	66	ese.	7	3			10 ksm			0	0		
Kasalinsk	29.76	754.4	29.88	758.9	44.6	7.0	66	ne.	11	5									Butkewitsch.
Kasan	29.97	761.2	30.25	768.3	39.4	4.1	79	wsw.	13	6			10			0	0		Observatory.
Kem	30.41	772.4	30.46	773.7	24.1	— 4.4	81	ne.	9	4			10			0	0	h'vy clouds	
Kertch	30.24	768.0	30.26	768.6	49.6	9.8	65	calm	0	0		0 c	0			blank	blank		Lagorio & Sastyrea.
Kieff	29.58	751.4	30.20	767.1	41.9	5.5	68	ene.	4	2			9 ks			0	0		Observatory.
Koslov	29.91	759.8	30.44	773.2	37.6	3.1	66	se.	4	2		0	0			0	0		
Lgov	29.78	756.3	30.39	771.9	37.0	2.8	84	ese.	11	5			8			0.024	0.6	light snow	R. I. Saswoljew, Engineer.
Libau	30.26	768.7	30.29	769.3	48.4	9.1	45	e.	11	5			6			0	0		L. Quass.
Lugan	30.07	763.8	30.28	769 2	34.2	1.2	96	ene.	9	4			10			0.555	14.1		Meteorological Obs'y.
Moscow	29.54	760.4	30.43	772.9	45.3	7.4	43	s.	4	2		0	0			0	0		Meteorological Obs'y.
Nertschinsk	27.41	696.1	29.75	755.7	30.2	— 1.0	61	ssw.	2	1			8			0	0		
Nikolaiev	30.14	765.5	30.21	767.3	48.6	9.2	61	ese.	13	6		cs	9 n			0	0	light clouds	Capt. Kurdakow.

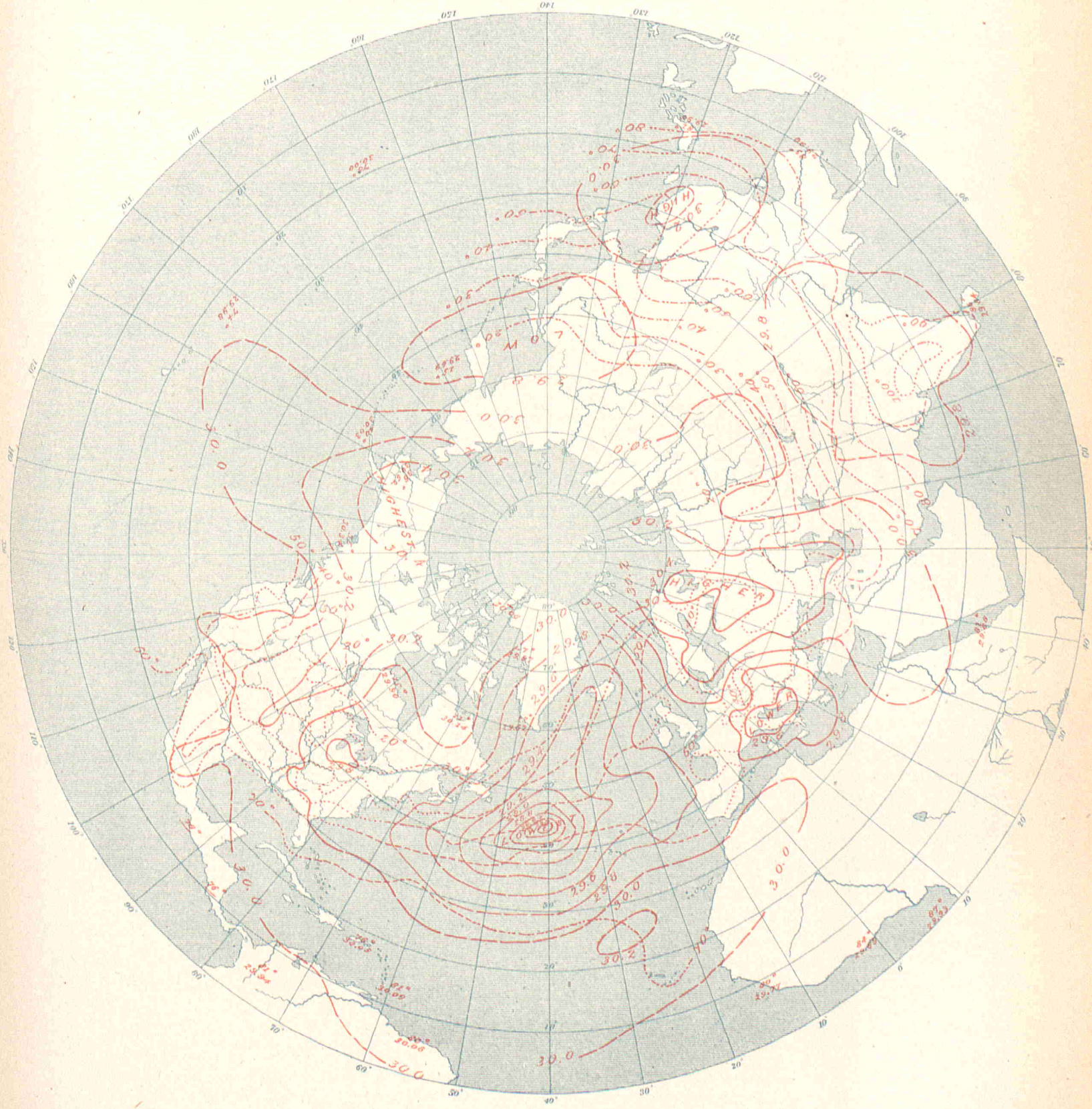
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mets. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.53	750.0	29.61	752.2	14.7	— 9.6	94	calm	0	0	.....	0	1 s	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.76	756.0	29.91	759.6	59.7	15.4	30	calm	0	0	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.63	752.5	29.98	761.5	54.1	12.3	54	n.	4	2	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.13	765.2	30.33	770.3	43.0	6.1	57	se.	7	3	.....	0	8 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.66	753.4	30.17	766 3	45.0	7.2	69	e.	22	10	.....	0	4 k	.....	.....	0.008	0.2	.....	
Poti	30.16	766.0	30.19	766.8	54.1	12.3	89	sw	9	4	.....	.....	5 k	.....	.....	0	0	.....	
St. Petersburg	30.41	772 3	30.43	772.9	47.8	8.8	47	wsw.	7	3	.....	0	2	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.42	696.4	29.81	757.1	67.8	19.9	36	calm	0	0	.....	0	7 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.47	748.5	30.18	766 5	17.4	— 8.1	80	w.	18	8	.....	.....	5	.....	.....	blank	blank	.....	Major Lasarew
Sevastopol	29.93	760.1	30.14	765.6	48.6	9.2	62	nnw.	7	3	.....	.....	10 n	.....	.....	0.020	0.5	.....	
Staroi Bykhov	29.75	755.7	30.33	770.4	37.4	3.0	78	ese.	7	3	.....	.....	10	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.28	718.3	29.91	759.8	64.0	17.8	48	n.	18	8	.....	.....	8 k	.....	.....	.....	.....	light clouds	Terch, A. M
Tiflis	28.71	729.1	30.11	764.9	60.4	15.8	44	nnw.	11	5	.....	0	7 k	.....	.....	0.150	3.8	.....	Physical Observatory
Vernoe	27.35	694.6	29.83	757.7	53.6	12.0	58	w.	4	2	.....	0	4 k	.....	.....	.....	.....	.....	Larionow.
Viatka	29.53	750.1	30 19	766.8	33.3	0.7	89	nnw.	4	2	.....	.....	10	.....	.....	0.028	0.7	.....	
Vladivostock	29.73	755.1	29.80	756.8	30.7	— 0.7	97	ne.	9	4	.....	.....	5 n	.....	.....	0.059	1.5	.....	
Warsaw	29.50	749.2	29.93	760.1	45.3	7.4	46	se.	27	12	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.68	753.9	30.00	761 9	7.7	—13.5	49	w.	4	2	.....	.....	2	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.81	757.2	30.35	770.9	48.2	9.0	39	sse.	.....	.....	.....	1 c	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.78	756 4	29.89	759.2	58 8	14.9	76	se.	.....	.....	.....	2 c	0	.....	.....	0.366	9.3	.....	B. Jelin.
Bilbao, Met. Obs'y	29.82	757.3	29.87	758.8	68.0	20 0	50	nw.	2.7	1.2	.....	5	3	nw.	.....	0	0	almost cov'd	Angel de Uraide.
Burgos, Met. Obs'y	26.97	685.1	29.98	761.5	48.2	9.0	84	sw.	6.9	3.1	.....	.....	10	.....	.....	0	0	covered	Domingo Martin.
Madrid, Royal Obs'y	27.74	704.6	29.99	761.8	51.4	10.8	79	sw.	11.0	4.9	.....	.....	10	.....	.....	0	0	covered	The Staff.
Murcia, Met. Obs'y	29.82	757.5	29.94	760.5	66.9	19.4	57	ssw.	1.6	0.7	.....	5	5	se.	.....	0.083	2.1	raining	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.89	733.7	29.78	756.4	55.8	13.2	85	s.	3.8	1.7	.....	.....	10	.....	.....	0.039	1.0	misty	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.00	762.0	30.06	763.7	68.5	20.3	85	se.	4.0	1.8	.....	.....	9 kn	.....	ssw;e.	0.004	0.1	cloudy	Benito Vines, S. J.
Manilla, Philippine Islands	29.90	759 4	29.96	760.9	81.0	27.2	60	ese.	11.0	4.9	.....	0	8	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.96	761.0	30.06	763.5	59.4	15.2	85	se.	4.0	1.8	.....	.....	10	.....	sw.	0.008	1.7	raining	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.96	761.0	30.05	763.3	75.9	24.4	76	calm	0	0	.....	2 s	0	.....	.....	0	0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.22	767.5	30.26	768.5	36.2	2.4	82	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Umea	30.21	767.2	30.26	768.5	40.3	4.6	81	sw.	.....	.....	2	.....	6	.....	.....	0	0	.....	
Hernosand	30.13	765.3	30.18	766.6	49.3	9.6	49	s.	.....	.....	2	.....	5	.....	.....	0	0	.....	
Stockholm	30.17	766.4	30.35	770 9	50.7	10.4	48	ssw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Wisby	30.23	767.8	30.29	769.3	47.5	8.6	46	ese.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.24	768.2	30.33	770.4	50.9	10.5	50	s.	10.1	4.5	.....	.....	0	.....	.....	0.004	0.1	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.43	722.2	29.86	758.5	52.9	11.6	57	ene.	.....	.....	2	.....	10	.....	.....	0	0	covered	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.89	759.3	69.3	20.7	26	se.	9	4.0	.....	.....	7	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.76?	755.9?	57.6	14.2	.....	s.	.....	.....	2	.....	10	.....	.....	0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.13	765 2	64.4	18.0	67	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.85	758.2	29.93	760.2	38.8	3.8	69	nw.	3	1.3	.....	0	sk.	.....	.....	0	0	dense smoke	J. O. Barnes.
Alpena, Michigan	29.14	740.1	29.83	757.7	32.2	0.1	78	e.	12	5.4	.....	.....	10 s	.....	se.	0	0	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.01	635.2	29.93	760 2	34.1	1.2	80	e.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.19	690.6	30.10	764.5	25.0	— 3.9	94	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	J.J.O'Connor.
Atlanta, Georgia	28.82	732.0	30.01	762.2	47.0	8.3	63	nw.	7	3.1	.....	0	0	.....	.....	0.13	3.3	clear	S. W. Beall.
Atlantic City, New Jersey	29.90	759.4	29.91	759.7	40.5	4.7	73	calm	0	0	.....	0	3 k	.....	.....	0	0	clear	B.A.Blundon.
Augusta, Georgia	29.79	756.7	29.98	761 5	57	13.9	86	calm	0	0	.....	0	hz.	.....	.....	0.05	1.3	clear	W.J.Evans.
Baltimore, Maryland	29.86	758.4	29.92	760.0	44.2	6.8	71	n.	4	1.8	.....	.....	10 s	.....	nw.	0	0	cloudy	Geo. W. Felger.
Barnegat City, New Jersey	29.88	758.9	29.90	759.4	42.3	5.7	67	calm	0	0	.....	2 ck	hz.	n.	.....	0	0	clear	J.P.Sherry.
Bennett, Fort, Dakota	28.64	727.4	30.28	769.1	25.2	— 3.8	78	nw.	3	1.3	.....	4 c	0	nw.	.....	inap.	inap.	fair	A. Pritchard.
Benton, Fort, Montana	27.20	690.9	30.06	763 5	26.5	— 3.1	62	calm	0	0	.....	0	0	.....	.....	0	0	clear	O.S.Bennett.
Bismarck, Dakota	28 37	720.6	30.25	768.3	21.0	— 6.1	80	nw.	6	2.7	.....	0	5 s	.....	nw.	0.05	1.3	fair	B. O. Lenoir.
Block Island, Rhode Island	29.86	758.4	29.88	758.9	37.7	3.2	78	n.	10	4.5	.....	0	0	.....	.....	0	0	clear	J. T. Elker.
Boise City, Idaho	27.22	691.4	30.06	763.5	43.2	6.2	62	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	James Kenealy.
Boston, Massachusetts	29.73	755.1	29.89	759 2	40.2	4.6	88	nw.	7	3.1	.....	.....	10s;hz	.....	nw.	0.02	0.5	cloudy	O. B. Cole.
Brownsville, Texas	29.92	760.0	29.98	761.5	64.8	18.2	93	e.	5	2.2	.....	0	0	.....	.....	0	0	clear	John McGloue.
Buffalo, New York	29.07	738 4	29.84	757.9	34.9	1.6	69	e.	5	2.2	.....	.....	10 s	.....	e.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.17	715 5	30.27	768 8	12.0	—11.1	87	n.	1	0.4	.....	0	5 s	.....	.....	inap.	inap.	fair	A. Schneider.
Cairo, Illinois	29.59	751.6	30.00	762.0	43.0	6.1	83	nw.	18	8 0	.....	.....	10 n	.....	nw.	0.01	0.3	light rain	W. H. Ray.
Canby, Fort, Washington Ter	29.77	756.1	29.97	761.2	51.3	10.7	92	s.	23	10.3	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	29.81	757 2	29.83	757.7	48.0	8.9	86	se.	22	9.8	.....	.....	10 s	.....	s.	0	0	cloudy	A. K. Alderson.
Cape May, New Jersey	29.88	758.9	29.91	759.7	45.0	7.2	83	e.	4	1.8	.....	5 cs	0	.....	.....	0	0	fair	W.E.Smith.
Cape Mendocino, California	29.21	741.9	29.90	759 4	52.8	11.6	80	se.	5	2.2	.....	.....	10 n	.....	.....	0.18	4.6	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.02	762.5	30.04	763 0	67.5	19.7	78	w.	11	4.9	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.87	758.7	29.93	760.2	59.5	15.3	76	sw.	4	1.8	.....	4 ck	cs	w	sw.	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.02	737.1	29.88	758.9	52.4	11.3	71	sw.	4	1.8	.....	6 cs	fg.	w.	.....	0	0	fair	D. O'Donoghue.
Chattanooga, Tennessee	29.15	740.4	29.98	761.5	42.0	5.6	78	calm	0	0	.....	0	fg.	.....	.....	0.15	3.8	clear	B. L. Gouldins.
Cheyenne, Wyoming	24.07	611.4	30.09	764 3	24.6	— 4.1	72	n.	6	2.7	.....	0	0	.....	.....	0.03	0.8	clear	E. McGovern.
Chicago, Illinois	29.03	737.3	29.76	755.9	34.3	1.3	84	sw.	6	2.7	.....	2 cs	5s;ks	.....	sw.	0.21	5.3	fair	T.B.Jennings.
Chincoteague, Virginia	29.87	758.7	29.89	759.2	45.3	7.4	64	se.	7	3.1	.....	.....	8 ks	.....	.....	0	0	cloudy	C. F. Dickens
Cincinnati, Ohio	29.23	742.4	29.90	759 4	41.5	5.3	78	s.	6	2.7	.....	0	7 s	.....	w.	inap.	inap.	fair	L. Dunne.
Cleveland, Ohio	29.00	738.1	29.82	757.4	36.5	2.5	84	w.	10	4.5	.....	.....	10 s	.....	w.	0.12	3.0	cloudy	W. Line.
Columbus, Ohio	28.99	736.3	29.86	758.4	36	2.2	74	w.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	F.T. Williams.
Concho, Fort, Texas	28.15	715.0	30.09	764.3	44.9	7.2	86	ne.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	C. E. King.
Custer, Fort, Montana	26.92	683.8	30.10	764.5	24.3	— 4.3	76	se.	4	1.8	.....	hz.	2 s	.....	.....	0	0	light haze	W.J.Daily.
Davenport, Iowa	29.19	741.4	29.86	758.4	30.0	— 1.1	68	nw.	9	4.0	.....	2 cs	hz.	w.	.....	0.08	2.0	clear	R. R. Martin.
Davis, Fort, Texas	25.25	641 3	30.03	762.7	45.8	7.7	73	n.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty	28.23	717.0	29.99	761.7	43.6	6.4	62	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	H.S.Blandford.
Deadwood, Dakota	25.46	646.7	30.16	766.1	22.0	— 5.6	87	calm	0	0	.....	.....	10 s	.....	.....	0.43	10.9	cloudy	G.Kingsbury.
Delaware Breakwater, Del	29.91	759.7	29.93	760.2	42.1	5.6	90	ne.	4	1.8	.....	0	3 k;fg	.....	.....	0	0	clear	G.A.Martin.
Denver, Colorado	24.85	631 2	30.12	765.0	28.4	— 2.0	66	s.	4	1.8	.....	0	0	.....	.....	0.10	2.5	clear	F. M. Neal.
Des Moines, Iowa	29.01	736.8	29.94	760 5	31	— 0.6	68	nw.	8	3.6	.....	.....	10 n	.....	nw.	0.07	1.8	light snow	F. W. Conrad.
Detroit, Michigan	29.09	738.9	29.82	757.4	37.1	2.8	72	w.	5	2.2	.....	.....	10 s	.....	w.	0.27	6.9	cloudy	N.B.Couger.
Dodge City, Kansas	27.58	700.5	30.22	767.6	32.8	0.4	65	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.12	739.6	29.85	758.2	29.3	— 1.5	74	nw.	7	3.1	.....	0	0	.....	.....	0.10	2.5	clear	A.W.Browne.
Duluth, Minnesota	29.19	741.4	29.99	761.0	30.5	— 0.8	72	n.	5	2.2	.....	.....	10 s	.....	.....	0.08	2.0	cloudy	E.R.Brace.
Eastport, Maine	29.78	756 4	29.84	757.9	34.0	1.1	88	n.	3	1.3	.....	.....	10 n	.....	n.	0.06	1.5	heavy snow	D. C. Murphy.
Elliott, Fort, Texas	27.42	696.5	30.20	767.1	37.3	2.9	77	n.	16	7.2	.....	.....	10 s	.....	sw.	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.25	666 7	29.99	761.7	51.0	10.6	38	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.05	737.9	29.80	756 9	41.3	5.2	70	se.	1	0.4	.....	0	6 k	.....	s.	0	0	fair	P. Wood.
Escanaba, Michigan	29.12	739.6	29.81	757.2	30.5	— 0.8	82	n.	12	5.4	.....	.....	10 n	.....	nw.	inap.	inap.	light snow	L.M.Pindell.
Fort Smith, Arkansas	29.65	753.1	30.13	765.3	44.0	6.7	45	n.	12	5.4	.....	3 cs	0	n.	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.00	762.0	30.04	763.0	64.2	17.9	88	e.	9	4.0	.....	1 ck	0	nw.	.....	0	0	clear	E. O'C. Macinerney
Grand Haven, Michigan	29.11	739.4	29.80	756.9	34.5	1.4	83	s.	1	0.4	.....	0	4 s	.....	.....	0.30	7.6	fair	Joseph E. Mueller.
Grant, Fort, Arizona	25.22	640.6	29.95	760.7	51.3	10.7	28	n.	8	3.6	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.88	758.9	29.89	759.2	56.2	13.4	80	nw.	2	0.9	.....	.....	10 s	.....	ne.	0	0	cloudy	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity		Wind. Force.	Clouds. Amount and kind.		Clouds. Direction.		Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	c=to	Upper. c=to	Lower. c=to	Upper. From.	Lower. From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.89	657.6	30.10	764.5	30.5	— 0.8	81	nw.	3	1.3	.....	o	o	.....	.....	0.01	0.3	clear	S. W. Morrison.
Huron, Dakota	28.72	729.5	30.17	766.3	20.0	— 3.3	86	nw.	19	8.5	.....	o	o	.....	.....	0.03	0.8	clear	S. W. Glenn.
Indianapolis, Indiana	29.01	736.8	29.83	757.7	38.8	3.8	56	sw.	4	1.8	.....	.....	10 s	.....	sw.	0.03	0.8	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.99	761.7	30.02	762.5	65.0	18.3	99	se.	4	1.8	.....	o	2ks;fg	.....	.....	o	o	clear	I. A. Reed.
Jacksonville Florida	29.97	761.2	30.01	762.2	63.8	17.7	85	sw.	12	5.4	.....	hz.	o	.....	.....	inap.	inap.	clear	J. W. Smith.
Jacksonville Florida	29.97	761.2	30.01	762.2	63.8	17.7	85	sw.	12	5.4	.....	.....	10 n	.....	w.	0.07	1.8	heavy snow	F. Z. Gosewisch.
Keokuk, Iowa	29.27	743.4	29.94	760.5	29.2	— 1.6	84	w.	8	3.6	.....	2 ck	o	nw.	.....	o	o	clear	J. Harvey Smith.
Key West, Florida	30.06	763.5	30.08	764.0	72	22.2	63	ne.	8	3.6	.....	o	8 k	.....	se.	o	o	cloudy	Wesley Blake.
Kittyhawk, North Carolina	29.87	758.7	29.89	759.2	51.8	11.0	81	se.	16	7.2	.....	o	o	.....	.....	0.04	1.0	clear	J. A. Cody.
Knoxville, Tennessee	28.92	734.6	29.96	761.0	39.4	4.1	79	w.	2	0.9	.....	o	o	.....	.....	inap.	inap.	light snow	S. C. Emery.
La Crosse, Wisconsin	29.01	736.8	29.81	757.2	31.0	— 0.6	88	n.	10	4.5	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	C. Dill.
Leavenworth, Kansas	29.19	741.4	30.10	764.5	31	— 0.6	78	nw.	15	6.7	.....	.....	10 s	.....	nw.	o	o	clear	C. E. Butler.
Lewiston, Idaho	29.19	741.4	30.04	763.0	43.2	6.2	80	ne.	1	0.4	.....	o	o	.....	.....	o	o	clear	W. U. Simons.
Little Rock, Arkansas	29.71	754.6	30.03	762.7	45.5	7.5	57	nw.	3	1.3	.....	o	o	.....	.....	o	o	cloudy	T. S. Collins
Los Angeles, California	29.66	753.4	30.06	763.5	47.0	8.3	93	ne.	2	0.9	.....	.....	10 s	.....	e.	inap.	inap.	fair	E. B. Garriott.
Louisville, Kentucky	29.29	744.0	29.86	758.4	41.8	5.4	79	se.	7	3.1	.....	6 ck	o	w.	.....	inap.	inap.	fair	Jno. Healy.
Lynchburg, Virginia	29.13	739.9	29.84	757.9	47.0	8.3	66	e.	2	0.9	.....	o	9 k	.....	sw.	o	o	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.17	740.9	29.85	758.2	34.5	1.4	75	e.	8	3.6	.....	o	8 s	.....	e.	o	o	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.87	758.7	29.88	758.9	58.8	14.9	60	sw.	10	4.5	.....	.....	10 s	.....	sw.	inap.	inap.	cloudy	William Daly.
Maginnis, Fort, Montana	25.51	647.9	30.01	762.2	27.8	— 2.3	37	nw.	2	0.9	.....	4 c	o	nw.	.....	0.06	1.5	fair	F. Burke.
Marquette, Michigan	29.13	739.9	29.88	758.9	29.0	— 1.7	79	n.	12	5.4	.....	.....	10 k	.....	nw.	o	o	cloudy	J. Gilligan.
Memphis, Tennessee	29.63	752.6	29.97	761.2	51.0	10.6	66	w.	7	3.1	.....	o	o	.....	.....	inap.	inap.	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.00	736.6	29.78	756.4	25.7	— 1.3	78	nw.	5	2.2	.....	3 c	o	nw.	.....	0.07	1.8	clear	S. W. Rhode.
Mobile, Alabama	30.00	762.0	30.04	763.0	59	15.0	84	n.	5	2.2	.....	7 k	2 s	w.	nw.	0.10	2.5	cloudy	H. U. Jones.
Montgomery, Alabama	29.79	756.7	30.02	762.5	54.4	12.4	71	nw.	3	1.3	.....	o	o	.....	.....	0.06	1.5	clear	S. M. Leitzell.
Moorhead, Minnesota	29.05	737.9	30.08	764.0	26.1	— 3.3	82	n.	14	6.3	.....	4 cs	o	n	.....	0.01	0.3	fair	L. M. Dey.
Mt. Washington, N. H.	23.50	596.9	29.91	759.7	28.2	— 2.1	92	nw.	5	2.2	.....	o	7 k	.....	nw.	o	o	fair	E. A. Beals.
Nashville, Tennessee	29.37	746.0	29.95	760.7	40.0	4.4	80	w.	1	0.4	.....	3 ck	fg.	w.	.....	inap.	inap.	clear	L. N. Jesunofsky
New Haven, Connecticut	29.80	756.9	29.92	760.0	37.2	2.9	67	n.	4	1.8	.....	2 c	o	.....	.....	o	o	clear	J. H. Sherman.
New London, Connecticut	29.84	757.9	29.90	759.4	44.0	6.7	68	n.	1	0.4	.....	o	o	.....	.....	o	o	clear	J. G. Lynch.
New Orleans, Louisiana	29.98	761.5	30.04	763.0	64.0	17.8	78	ne.	1	0.4	.....	5 cs	fg.	w	.....	o	o	fair	M. Herman.
New York, New York	29.75	755.6	29.93	760.2	38.3	3.5	71	calm	o	o	.....	1 cs	1s;fg	.....	.....	o	o	clear	W. Finn.
Norfolk, Virginia	29.81	757.2	29.84	757.9	50.2	10.1	60	se.	6	2.7	.....	3 ck	7 ks	.....	sw.	o	o	cloudy	Wm. Davis.
North Platte, Nebraska	27.24	691.9	30.20	767.1	27.1	— 2.7	70	nw.	16	7.2	.....	o	8 s	.....	.....	o	o	cloudy	E. F. Brady.
Olympia, Washington Ter'y	29.84	757.9	29.88	758.9	42.0	5.6	82	calm	o	o	.....	o	o	.....	.....	o	o	clear	J. Dascomb
Omaha, Nebraska	28.85	732.8	30.06	763.5	30.7	— 0.7	87	nw.	10	4.5	.....	.....	10 s	.....	nw.	0.01	0.3	cloudy	A. Pollak
Oswego, New York	29.57	751.1	29.91	759.7	32.3	0.2	88	n.	6	2.7	.....	5 c	hz.	.....	.....	inap.	inap.	fair	J. G. Linsley.
Palestine, Texas	29.52	749.8	30.08	764.0	46.2	7.9	67	ne.	3	1.3	.....	o	o	.....	.....	o	o	clear	P. T. Jenkins.
Pensacola, Florida	30.00	762.0	30.03	762.7	61.3	16.3	94	n.	3	1.3	.....	6 cs	o	w.	.....	0.20	5.1	fair	M. McGauran.
Philadelphia, Pa	29.81	757.2	29.94	760.5	41.4	5.2	73	e.	3	1.3	.....	1 ck	sk.	.....	.....	o	o	clear	T. F. Townsend.
Pike's Peak, Colorado	17.67	448.8	29.95	760.7	0.0	—17.8	89	n.	42	18.8	.....	o	o	.....	.....	o	o	clear	H. Hall.
Pittsburg, Pennsylvania	28.98	736.1	29.81	757.2	45.8	7.7	68	ne.	2	0.9	.....	10 ck	o	sw.	.....	o	o	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	30.1	— 1.1	89	.....	.....	.....	.....	.....	10 ks	.....	.....	o	o	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.06	738.1	29.76	755.9	33.3	0.7	100	calm	o	o	.....	.....	10 s	.....	.....	0.21	5.3	cloudy	M. H. Perry
Portland, Maine	29.83	757.7	29.88	758.9	41.4	5.2	79	ne.	8	3.6	.....	.....	10s;hz	.....	e.	inap.	inap.	cloudy	W. W. Eichelberger.
Portland, Oregon	29.80	756.9	29.87	758.7	52.5	11.4	71	s.	2	0.9	.....	o	3 s	.....	.....	o	o	clear	M. L. Hearne.
Prescott, Arizona	24.75	628.6	30.02	762.5	38.5	3.6	80	calm	o	o	.....	o	3 s	.....	.....	o	o	clear	J. Glover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. N. Kitchel.
Red Bluff, California	29.59	751.6	29.95	760.7	56	13.3	80	w.	2	0.9	.....	o	o	.....	.....	inap.	inap.	clear	J. R. Williams.
Rio Grande City, Texas	29.87	758 7	30.11	764.8	75.1	23.9	51	se.	4	1.8	.....	o	o	.....	.....	o	o	clear	L. G. Schultz.
Rochester, N. Y	29.20	741.7	29.89	759.2	33.3	0.7	74	sw.	5	2.2	.....	7 c;ck	sk.	sw.	.....	o	o	fair	E. W. McGann.
Roseburg, Oregon	29.39	746.5	29.95	760.7	45.9	7 7	86	ne.	1	0.4	.....	2c;ck	o	w.	.....	o	o	clear	J. J. Nanry.
Sacramento, California	29.87	758.7	29.94	760.5	56.5	13.6	86	s.	6	2.7	.....	o	7 s	.....	se.	o	o	fair	J. A. Barwick.
St. Louis, Missouri	29.33	745.0	29.96	761.0	35.2	1.8	64	w	19	8.5	.....	o	3 ks	.....	w.	o	o	clear	J. H. Weber.
St. Michael, Fort, Alaska	30.48	774.2	30.52	775.2	30	2.2	89	e.	3	1.3	.....	.....	10 n	.....	.....	o.01	o.3	light rain	Fred. H. Clarke.
St. Paul, Minnesota	29.02	737.1	29.90	759.4	32.0	0.0	54	nw.	13	5.8	.....	4 k	4 s	ne.	nw.	inap.	inap.	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.24	742.7	30.15	765.8	20.9	— 6.2	84	n.	10	4.5	.....	7 cs	o	.....	.....	o.08	2.0	fair	C. B. Dilley.
Salt Lake City, Utah	25.74	653.8	30.11	764.8	38.7	3.7	45	calm	o	o	.....	o	o	.....	.....	inap.	inap.	clear	J. Craig.
San Diego, California	29.93	760.2	30.00	762.0	55.2	12.9	92	nw.	4	1.8	.....	.....	10 s	.....	n.	o	o	cloudy	F. R. Day.
Sandusky, Ohio	29.11	739.4	29.81	757.2	36	2.2	79	sw.	9	4.0	.....	o	o	.....	.....	o.15	3.8	clear	B. F. Hough.
Sandy Hook, New Jersey	29.89	759.2	29.92	760.0	39.0	3.9	82	w.	6	2.7	.....	o	o	.....	.....	o	o	clear	V. P. Chappel.
Sanford, Florida	30.00	762.0	30.05	763.3	62.5	16.9	81	sw.	2	0.9	.....	o	fg.	.....	.....	o	o	clear	J. B. Marbury
San Francisco, California	29.86	758.4	29.93	760.2	56.5	13.6	91	sw.	1	0.4	.....	2 cs	3s;fg	s.	s.	inap.	inap.	fair	N. Gorom.
Savannah, Georgia	29.87	758.7	29.96	761.0	59.5	15.3	68	sw.	5	2.2	.....	o	hz.	.....	.....	o	o	clear	H. W. Ford.
Shaw, Fort, Montana	26.36	669.5	30.03	762.7	29	— 1.7	80	w.	4	1.8	.....	o	o	.....	.....	o	o	clear	A. L. Mathews.
Shreveport, Louisiana	29.85	758.2	30.09	764.3	47.8	8.8	72	calm	o	o	.....	o	o	.....	.....	o	o	clear	E. N. Meekins.
Sitka, Alaska	30.27	768.8	30.34	770.6	34.5	1.4	81	ne.	3	1.3	.....	o	o	.....	.....	o	o	clear	F. W. Fickett.
Smithville, North Carolina	29.84	757.9	29.88	758.9	59.5	15.3	80	w.	9	4.0	.....	1 c	sk.	.....	.....	o.02	o.5	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.93	709.4	29.99	761.7	38.7	3.7	77	calm	o	o	.....	o	o	.....	.....	o	o	clear	D. Moore.
Springfield, Illinois	29.21	741.9	29.91	759.7	35.2	1.8	85	w.	13	5.8	.....	.....	10 s	.....	w.	o.10	2.5	cloudy	W. Norrington.
Stockton, Fort, Texas	20.94	684.3	29.98	761.5	45.0	7.2	86	w.	5	2.2	.....	o	o	.....	.....	o	o	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.73	755.1	29.82	757 4	49.2	9.6	84	e.	14	6.3	.....	o	o	.....	.....	o	o	clear	R. Connor.
Thomas, Camp, Arizona	27.22	691.4	29.95	760.7	42	5.6	62	w.	.....	.....	1	o	o	.....	.....	o	o	clear	R. O. Lords
Toledo, Ohio	29.12	739.6	29.83	757.7	36.1	2.3	92	w.	7	3.1	.....	.....	10s;fg	.....	w.	o.12	3.0	cloudy	A. Buell.
Unalashka, Alaska	30.01	762.2	30.03	762.7	40	4.4	89	se.	14	6.3	.....	.....	10 n	.....	.....	0.12	3.0	light rain	Samuel Applegate
Vicksburg, Mississippi	29.79	756.7	30.05	763 3	50.5	10.3	61	calm	o	o	.....	o	hz.	.....	.....	3.28	83.3	clear	F. W. Mixer.
Washington, D. C	29.78	756.4	29.90	759.4	39.7	4.3	68	ne.	6	2.7	.....	.....	10s;hz	.....	s.	o	o	cloudy	T. B. Harrison.
West Las Animas, Colorado	26.20	665.5	30.14	765.5	33	0.6	79	nw.	2	0.9	.....	o	9 k	.....	w.	o	o	cloudy	F. H. Brandenburg.
Wilmington, N Carolina	29.82	757.4	29.88	758.9	58.5	14.7	72	sw.	4	1.8	.....	2 c	o	.....	.....	o	o	clear	L. H. Albrecht.
Yankton, Dakota	28.78	731.0	30.12	765.0	28.3	— 2.1	73	n.	21	9.4	.....	3 c	o	n.	.....	o.03	0.8	clear	E. H. Thompson.
Yuma, Arizona	29.75	755.6	29.90	759.4	59.2	15.1	78	calm	o	o	.....	o	2 s	.....	.....	o	o	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.67	753.6	29.69	754.1	15.2	— 9.3	.....	calm	o	o	.....	o	3k;s	.....	.....	0.04	1.0	clear	George Oberuick.
Bluefields, Nicaragua, C. A	.....	.....	.....	.....	84	28.9	.....	ne.	.....	.....	2	2 c	2 k	.....	ne.	o	o	fair	W. P. Jackson.
Bogota, U. S. C	22.05	560.0	.....	.....	50.3	13.5	87	n.	2	1	.....	4cs;k	3 k	w.	nw.	o	o	.....	Joaquin Gomez.
Ohimo, Fort, Ungava	30.00	762.0	30.14	765.5	11	—11.7	100	calm	o	o	.....	10ck;k	o	nw.	.....	o	o	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.06	763.5	77	25.0	78	calm	o	o	.....	o	6 s	.....	e.	o	o	fair	Robert Johnston.
Paramaribo, S. A	30.06	763.5	30.06	763.5	80	26.7	82	e.	.....	.....	2	4 c	4 k	e.	.....	0.260	6.6	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.38	740.2	29.94	760.5	81	27.2	90	n	.....	.....	1	6 ck	3 ks	calm	s.	0.13	3.3	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	29.90?	759.4?	30.06?	763.5?	76	24 4	85	ne.	.....	.....	2	.....	.....	.....	.....	o	o	clear	Earl Flint.
York Factory, B. A	29.83	757.7	29.90	759.4	—14.5	—25.8	72	nw.	11	4.9	.....	.....	10 n	.....	nw.	0.04	1.0	snowing	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Arizona, N. 40° 48′, W. 52° 08′	29.13	739.9	53	11.7	.....	nw.	.....	.....	6	.....	10	.....	n.	0	0	mod.	nw.	overcast
S. S. Alvo, Jacmel, Hayti, W. I *	30.01	762.2	77	25.0	.....	sse.	.....	.....	3–4	.....	7	.....	s.	0	0	gr'd	.....	fair.
S. S. Alps, Aguadilla, Porto Rico, W. I *†	30.00	762 0	76	24.4	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Anchoria, N. 40° 50′, W. 66° 33′	.....	.....	.....	.....	.....	nw.	.....	.....	2	.....	5	.....	w.	1 h'r	1 h'r	sm'h	.....	fine.
S. S. Ailsa, Port Limon, Costa Rica, C. A	.....	.....	76.5	24.7	90	n.	.....	.....	1	.....	5	.....	n.	0	0	sm'h	.....	fair.
S. S. Abyssinia, N. 49° 32′, W. 22° 36′ *	29.50	749.3	53	11.7	80	ne.	.....	.....	4	.....	2?	.....	se.	7 h'r	7 h'r	long	n.	overcast.?
S. S. Assyrian Monarch, N. 42° 33′, W. 48° 03′ †	28.86	733.0	.....	.....	.....	w.	.....	.....	6	.....	10	.....	.....	7 h'r	7 h'r	mod.	w.	dense fog
S. S. Bohemia, N 46° 50′, W. 29° 02′	.....	.....	.....	.....	.....	e; se.	.....	.....	4–5	.....	9	.....	se.	7 h'r	7 h'r	mod.	se.	cloudy.
S. S. Britannic, N. 45° 00′, W. 39° 40′ *†	28.20	716.3	52	11.1	.....	se.	.....	.....	6	.....	10	.....	nw.	6 h'r	6 h'r	high	e.	raining.
S. S. City of Washington, N. 23° 11′, W. 82° 20 †	30.00	762 0	80?	26.7?	.....	w.	.....	.....	3	.....	2	.....	wsw.	0	0	.....	.....	clear.
Bk. C. S. Bushnell, N. 36° 52′, W. 9° 00′	29.93	760.2	.....	.....	.....	ssw.	.....	.....	5	.....	10	.....	wsw.	driz	driz.	long	w.	rainy.
S. S. Circassian, N. 49° 15′, W. 33° 40′	29.32	744.7	49	9.4	93	se.	.....	.....	6	.....	9	.....	se.	.....	.....	4	se.	raining.
S. S. Denmark, N. 46° 37′, W. 28° 35′ †	29.38	746.2	54	12.2	93	se.	.....	.....	2	.....	10	calm	.....	7 h'r	7 h'r	long	ne.	dull.
S. E. B. Sutton, N. 40° 05′, W. 43° 52′ *†	29.05	737.9	61	16.1	77	w.	.....	.....	9	.....	5	.....	w.	3 h'r	3 h'r	h'vy	r'gh	squally.
S. S. Eider, N. 47° 41′, W. 28° 49′ *	29.39	746.5	50.9	10.5	.....	ese.	.....	.....	6	.....	10	.....	ese.	3 h'r	3 h'r	r'gh	se.	misty.
S. Henry Failing, N. 51° 30′, W. 8° 26′ *†	29.8:	757.2	53	11.7	.....	se.	.....	.....	4	.....	3	.....	se.	1 h'r	1 h'r	sm'h	sse.	clear.
S. S. Helvetia, N. 45° 16′, W. 39° 09′	.....	.....	57	13.9	94	ese.	.....	.....	6	.....	8	.....	s.	6 h'r	6 h'r	mod	s.	overcast.
Bk. Heinrich & Tonio, N. 37° 20′, W. 68° 10′ †	29.70	754.4	51	10.6	93	nw.	.....	.....	4	.....	8	.....	w.	5 h'r	5 h'r	light	nw.	cloudy.
S. S. Lord Clive, N. 50° 04′, W. 20° 36′	.....	.....	.....	.....	.....	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	str'g	n. ne	misty.
Bg L. & W. Armstrong, N. 29° 37′, W. 68° 11′ *†	30.06	763.5	.....	.....	.....	nnw.	.....	.....	1	.....	1	.....	nw.	0	0	mod	nw.	fine.
S. S. Lone Star, N. 24° 45′, W. 83° 25′ *†	30.06	763 5	71	21.7	.....	ne.	.....	.....	1	.....	2	.....	e.	0	0	sm'h	.....	dense haze.
S. S. Llandaff City, N. 40° 02′, W. 54° 32′ *†	29.30	744.2	52	11.1	.....	nnw.	.....	.....	6	.....	9	.....	wnw.	rain	rain	high	nw.	squally.
Schr. Maggie Abbott, N. 35° 40′, W. 69° 30′ *†	29.88	758.9	.....	.....	.....	wnw.	.....	.....	4	.....	2	.....	wnw.	0	0	short	n.	clear.
S. S. Madrid, N. 36° 11′, W. 72° 19′ †	29.89	759.2	56	13.3	63	wnw.	.....	.....	4	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Main, N. 40° 33′ W. 58° 42′	29.45	748.0	46.4	8.0	.....	n.	.....	.....	6	.....	7	.....	ne.	0	0	cross	n.	covered.
S. S. Marengo, N. 43° 08′, W. 4 2° 20′	.....	.....	52	11.1	.....	wsw.	.....	.....	9	.....	10	.....	w.	6 h'r	6 h'r	h'vy	wsw.	stormy.
S. S. Oregon, (Br) N. 51° 14′, W. 33° 22′	.....	.....	45	7.2	.....	e.	.....	.....	4	.....	10	.....	e.	0	0	h'vy	nne.	cloudy.
S. S. Olbers, N. 20° 30′, W. 57° 42′	.....	.....	80	26.7	78	wsw.	.....	.....	3	.....	3	.....	nw.	.....	.....	2	con	clear.
S. S. P. Caland, N. 49° 02′, W. 15° 10′	.....	.....	56.5	13.6	.....	sw.	.....	.....	3	.....	mist	.....	.....	.....	.....	sm'h	.....	misty.
S. S. Rosse, N. 36° 19′, W. 71° 08′	29.93	760.2	59	15.0	59	nw.	.....	.....	3	.....	3	.....	nw.	0	0	sm'h	.....	fine.
S. S. State of Nebraska, N 55° 02′, W. 10° 56′ *†	29.91	759.7	48	8.9	.....	sse.	.....	.....	5	.....	6	.....	s	light	light	mod.	n.	d. clouds.
S. S. State of Georgia, N. 53° 18′, W. 21° 30′	.....	.....	51	10.6	.....	ene.	.....	.....	3	.....	5	.....	s.	0	0	sharp	wnw.	fine.
S. S. Scythia, N. 40° 42′, W. 69° 30′	29.90	759.4	45	7.2	92	w.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bk. Tuck Sing, N. 35° 11′, W. 72° 09′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	1 h'r	1 h'r	light	nnw.	clear.
S. S. Valencia, N. 28° 25′ W. 70° 47′ †	30.14	765.5	68.5	20 3	65	calm	.....	.....	0	.....	0	.....	.....	0	0	h'vy	n.	clear.
S. S. Vaderland, N. 46° 05′, W. 32° 20′	.....	.....	55	12.8	.....	sse.	.....	.....	5	.....	9	.....	sw	10 h'r	10 h'r	mod.	ne.	overcast.
S. S. Wieland, N. 44° 10′, W. 40° 20′ *	28.30	718.8	61?	16.1?	.....	sw.	.....	.....	6	.....	10	.....	sw.	rain	rain	r'gh	sw.	stormy.
S. S. Weser, N. 49° 48′, W. 12° 23′	29.61	752.1	54.5	12.5	.....	ese.	.....	.....	5	.....	10	.....	ese.	4 h'r	4 h'r	3	ese.	light rain.
S. S. Westernland, N. 50° 33′, W. 1° 22′	29.96	761.0	63	17.2	61	w.	.....	.....	1	.....	10	.....	w.	0	0	sm'h	.....	cloudy.
S. S. Waesland, Antwerp, Belgium	29.88	758 9	59	15.0	.....	nw.	.....	.....	3	.....	10	.....	nw.	1½h'r	1½h r	.....	.....	cloudy
S. S. Lessing, N. 40° 35′, W. 48° 24′	.....	.....	57	13.9	.....	wnw.	.....	.....	6	.....	7	.....	wnw.	8 h'r	8 h'r	cross	wnw.	cloudy
Bk. Alpha, N. 21° 20′, W. 64° 50′ *†	30.05	763.3	78	25.6	.....	sw.	.....	.....	3	.....	8	.....	sw.	0	0	sm'h	.....	cloudy.
Schr. Adda Doane, N. 19° 15′, W. 74° 50′ *†	29.95	760.7	.....	.....	.....	ese.	.....	.....	2	.....	5	.....	se.	0	0	sm'h	.....	fair.
S. S. British Princess, N. 44° 50′, W. 38° 00′	.....	.....	.....	.....	.....	se.	.....	.....	6	.....	10	.....	sse.	12 h'r	12 h'r	r'gh	var.	overcast.
S. S. Caracas, N. 22° 06′, W. 67° 30′ *†	30.10	764.5	76	24.4	86	ne.	.....	.....	5	.....	.....	.....	e.	2 h'r	2 h'r	long	nnw.	rainy.
S. S. Chalmette, Algiers, La †	30.06	763.5	64	17.8	.....	ne.	.....	.....	4	.....	5	.....	ne.	0	0	.....	.....	fair.
S. S. Devonia, N 41° 22′, W. 59° 25′ †	29.54	750.3	40	4.4	.....	nnw.	.....	.....	5	.....	10	.....	nnw.	0	0	mod	nnw.	cloudy.
Bk. Esmeralda, Mull of Cantyre, Scotland	29.90	759.4	.....	.....	.....	s.	.....	.....	1	.....	0	.....	.....	1 h'r	1 h'r	sm'h	.....	clear.
S. S. Erin, N. 41° 08′, W. 57° 33′	29.44	747.8	44	6.7	.....	nw.	.....	.....	6	.....	10	.....	nw.	3 h'r	3 h'r	sli't	wnw.	drizzling.
S. S. England, N. 45° 40′, W. 34° 26′	.....	.....	.....	.....	.....	se.	.....	.....	4	.....	10	.....	se.	4 h'r	4 h'r	mod	e	overcast.
S. S. Foscolia, N. 42° 15′ W. 24° 03′ †	29.54	750 3	62	16.7	.....	wsw.	.....	.....	3	.....	2	.....	w.	0	0	long	cross	fine.
S. S. Grecian, N. 42° 27′, W 66° 38′	29.77	756 1	36	2.2	100	nw.	.....	.....	3	.....	10	.....	.....	0	0	sm'h	.....	hazy.
S. S. Habsburg, N. 40° 29′, W. 48° 16′	29.10	739.1	.....	.....	.....	nw.	.....	.....	5	.....	6	.....	nw.	10 h'r	10 h'r	long	nw.	rainy.
Bk. Idaho, N. 20° 00′, W. 74° 10′ *†	30.03	762.7	.....	.....	.....	ese.	.....	.....	3	.....	3	.....	ese.	0	0	sm'h	.....	fair.
Bg. Lillian, N. 20° 58′, W. 56° 13′ †	30.11	764.8	.....	.....	.....	ssw.	.....	.....	3	.....	5	.....	sw.	0	0	mod	nw.	fair.
S. S. Labrador, N. 49° 18′, W. 21° 01′ *†	29.57	751.0	53.6	12.	.....	e.	.....	.....	4	.....	9	.....	s.	12 mi	nutes	r'gh	se.	covered.
S. S. Muriel, N. 12° 00′, W. 60° 35′	.....	.....	80	26.7	.....	e.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Neckar, N. 49° 30′, W. 9° 06′	29.79	756.7	51.8	11.0	.....	se.	.....	.....	4	.....	9	.....	se.	2 h'r	2 h'r	mod.	se.	drizzling.
S. S. New York, N. 26° 15′, W. 85° 30′ *†	30.10	764.5	73	22.8	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
S. S. Prussian, N. 46° 59′, W. 38° 59′	.....	.....	54	12.2	.....	se.	.....	.....	5	.....	10	.....	se.	6 h'r	6 h'r	cross	se.	drizzling.
S. S. Samaria, N. 42° 22′, W. 54° 33′ *	29.26	743.2	42	5.6	.....	ene	.....	.....	4	.....	7	.....	n.	.....	.....	r'gh	con.	fair.
Bk. Tros, N. 24° 47′, W 62° 44′ *†	30.03	762.7	72	22.2	.....	n.	.....	.....	3	.....	1	.....	nne.	0	0	sm'h	nnw.	clear.
S. Tsernogora, N. 35° 51′, W. 68° 55′ *†	29.90	759.4	.....	.....	.....	w.	.....	.....	3	.....	3	.....	wsw.	0	0	short	nnw.	clear.
S. S. Werra, N. 43° 38′, W 44° 12′	.....	.....	50.0	10.0	.....	nnw.	.....	.....	8–9	.....	10	.....	nnw.	0	0	high	nw.	squally.
U. S. S. Alliance, N. 19° 32′, W. 69° 10′	30.07	763.8	78	25.6	82	ene.	.....	.....	1	.....	2	.....	calm	0	0	long	.....	fair.
U. S. S. Galena, Cape Haytien, Hayti W. I	.....	.....	79	26.1	74	ene.	.....	.....	2	.....	2	.....	ene.	.....	.....	sm'h	.....	clear.
U. S. S. Jamestown, N 16° 37′, W. 62° 30′	30.13	765.3	77	25.0	82	e.	.....	.....	3	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Kearsarge, Jaffa, Syria	30.12	765.0	66	18.9	68	nnw.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Lancaster, Jaffa, Syria	30.11	764.8	67	19.4	79	nnw.	.....	.....	3	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Portsmouth, N 23° 05′, W. 67° 49′	30.04	763.0	73	22.8	76	nne.	.....	.....	3	.....	8	.....	nne.	.....	.....	long	nnw.	cloudy.
U. S. S. Quinnebaug, Tripoli, Tripoli	29.97	761.2	67	19.4	64	nnw	.....	.....	1	.....	2	.....	w.	.....	.....	.....	.....	fair.
U. S. S. Saratoga, Lisbon, Portugal	29.85	758.2	59	15.0	88	ssw.	.....	.....	2	.....	10	.....	ssw.	light	light	sm'h	.....	overcast.
U. S. S. Swatara, Matanzas, Cuba, W. I	30.05	763.3	69	20.6	90	wsw.	.....	.....	1	.....	2	.....	.....	0	0	sm'h	.....	clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.04	763 0	66	18.9	89	s.	.....	.....	1	.....	2	.....	calm	.....	.....	sm'h	.....	fair.
U. S. S Yantic, Port Nipe, Cuba, W. I	30.04	763.0	74	23.3	90	wsw.	.....	.....	1	.....	8	.....	s.	.....	.....	.....	.....	cloudy.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	.....	.....	65	18.3	73	wsw.	.....	.....	3	.....	7	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Alecto, N. 5° 07′, W. 0° 56′	29.89	759.2	84	28.9	.....	ssw.	.....	.....	1	.....	9	wnw.	.....	.....	.....	3	ssw.	d. clouds
H. M. S. Inflexible, Zante, Ionian Ids	29.81	757.2	64	17.8	94	sw.	.....	.....	3	.....	5	ssw.	.....	.....	.....	1	ssw.	showery.
H. M. S. Minotaur, Phalerum Bay, Greece	29.78	756.4	64.5	18.1	75	sse.	.....	.....	4	.....	5	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Tyne, N. 34° 38′, E. 28° 33	.....	.....	61	16.1	88	se.	.....	.....	3	.....	1	calm	.....	.....	.....	3	ese.	blue sky.
H. P. M. S. Bengo, N. 12° 31′ W. 16° 09′	29.98	761.6	81.5	27.5	66	e.	.....	.....	2	.....	0	.....	.....	0	0	1	.....	blue sky.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.93	760.3	86.5	30.3	78	n.	.....	.....	1	.....	7	.....	ne.	0	0	1	ne.	d. clouds.
S. S. British Crown, N. 43° 57′, W. 41° 00′ †	28.33	719.6	57	13.9	.....	sw.	.....	.....	8	.....	8	.....	sw.	6 h'r	6 h'r	sli't.	sw.	raining.
S. S. Lord Gough, N. 47° 11′, W. 61° 16′ *	29.51	749.5	46	7.8	.....	n.	.....	.....	5	.....	8	.....	n.	0	0	mod.	n.	cloudy.
S. S. Ohio, (Am.) Delaware river †	29.96	761.0	42	5.6	91	ene.	.....	.....	2	.....	6?	.....	w.	0	0	.....	.....	clear.?
S. S. Scandinavian, N 46° 10′, W. 40° 01′	.....	.....	50	10.0	.....	ene.	.....	.....	6	.....	10	.....	se.	12 h'r	12 h'r	con.	var.	showery.
S. S. Dorian, N. 39° 06′, W. 17° 22′	29.77	756.1	59	15.0	.....	sw.	.....	.....	4	.....	.....	.....	.....	6 h'r	6 h'r	mod.	wnw.	fine.
S. S. Westphalia, Hamburg, Germany	.....	.....	55	12.8	.....	se.	.....	.....	3	.....	5?	.....	se.	0	0	.....	.....	clear.?
S. S. Moravia, N. 47° 23′, W. 29° 30′ *	29.30	744.2	50.0	10	.....	ene.	.....	.....	5–6	.....	10	.....	e.	6 h'r	6 h'r	r'gh	no;se.	misty.
S. S. Hevelius, Antwerp, Belgium †	29.79	756.7	58	14.4	.....	ese.	.....	.....	3	.....	9	.....	se.	0	0	0	.....	cloudy.
S. S. Archimede, (It.) N. 38° 18′, E. 13° 21′ †	29.83	757.7	66	18.9	.....	w.	.....	.....	5	.....	4	.....	w.	0	0	h'vy	w.	fair.
S. S. Donau, N. 49° 42′, W. 11° 48′	29.62	752.3	.....	.....	.....	ese.	.....	.....	6	.....	10	.....	ese.	3 h'r	3 h'r	r'gh	ese.	drizzling.
S. S. Baltimore, N. 46° 23′, W. 32° 44′ *	29.29	744.0	53.6	12.0	.....	sse.	.....	.....	5	.....	10	.....	.....	driz.	driz.	h'vy	s.	fair.
S. S. Belgenland, N. 49° 24′, W. 17° 54′	.....	.....	53	11.7	93	sw.	.....	.....	4	.....	.....	.....	w.	0	0	r'gh	.....	overcast.
S. S. Pennland, Antwerp, Belgium *†	29.82	757.4	56	13.3	87	w.	.....	.....	1	.....	8	.....	se.	4 h'r	4 h'r	.....	.....	cloudy.
S. S. Amsterdam, Amsterdam, Holland	.....	.....	53.6	12.0	93	se.	.....	.....	3	.....	6	.....	se.	0	0	.....	.....	hazy.
S. S. W. A. Scholten, New York, N. Y	29.96	761.0	41.4	5 2	83	nnw.	.....	.....	5	.....	9	.....	nnw.	0	0	.....	.....	squally.
S. S. Zaandam, N. 42° 54′, W. 44° 00′	28.73	729.7	59.0	15.0	86	nnw.	.....	.....	7	.....	8	.....	nnw.	12 h'r	12 h'r	h'vy	var.	hazy.
S. S. Maasdam, N. 40° 30′, W. 47° 35′ *	29.08	738.6	56.5	13.6	84	w.	.....	.....	7	.....	6	.....	W.	7 h'r	7 h'r	6	w.	cloudy.
S. S. Iowa, off Tuskar, Ireland	.....	.....	54	12.2	.....	sse.	.....	.....	3	.....	2	.....	s.	0	0	sm'h	s.	clear.
Bg. Alcira, N. 18° 40′, W. 66° 42′	30.02	762.5	81	27.2	.....	e.	.....	.....	2	.....	1	.....	sw;se.	0	0	light	n.	clear.
S. S. Antonio Lopez, N. 19° 43′, W. 69° 40′	30.09	764.3	77	25.0	91	sse.	.....	.....	1	.....	4	.....	.....	0	0	sm'h	.....	fair.
Schr. Arthur Burton, Ponce, Porto Rico, W.I †	30.02	762.5	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	ne.	0	0	sm'h	.....	fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Force. 0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
Schr Annie R. Lewis, N. 20° 53′, W 65° 25′ †	30.06	763.5	78	25.6	.....	ssw.	.....	.....	2	.....	4	.....	sw.	0	0	mod.	se.	clear.
Schr. Annie A. Holton, N 39° 46′, W. 69° 54′	.....	.....	64	17.8	.....	wnw.	.....	.....	4	.....	8	.....	w.	0	0	mod	n.	clear.
Bk. Aureola, N. 25° 39′, W. 30° 11′ †	30.31	769.9	72.5	22.5	88	wsw.	.....	.....	3	.....	3	.....	.....	0	0	mod.	sse.	clear.
Bgt. Achsah, N. 19° 25′, W. 64° 06′ †	30.09	764.3	80	26.7	.....	sse.	.....	.....	2	.....	2	.....	sse.	0	0	mod.	ene.	hazy.
Bk. Adelaide, N 8° 55′, W. 48° 57′ *†	30.11	764.8	84	28.9	.....	ene.	.....	.....	0	.....	3	.....	ene.	0	0	mod.	ene.	hazy.
Schr. Abbie H. Gheen, N. 36° 30′, W. 73° 05′	.....	.....	59	15.0	.....	nw.	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	81	27.2	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	fair.
Bk. Cato, N. 52° 25′, E. 2° 45′ †	29.91	759.7	50	10.0	93	e.	.....	.....	1	.....	7	.....	ne.	0	0	.....	.....	foggy.
S. Cornelius, N. 30° 52′ W 20° 07′ *†	30.12	765.0	66.2	19.0	.....	wsw.	.....	.....	3	.....	6	.....	w.	0	0	long	nw.	hazy.
Bk. Diamant, N. 38° 33′, W. 54° 40′	29.34	745.1	58.1	14.5	85	nnw.	.....	.....	5	.....	10	.....	nnw.	3 h'r	3 h'r	4	wnw.	cloudy.
S. E. J. Spicer, N. 39° 32′, W. 58° 40′	29.55	750.6	53	11.7	93	nnw.	.....	.....	6	.....	10	.....	nnw.	rain	rain	mod.	nw.	overcast.
Schr. Edith R. Seward, N. 33° 38′, W. 70° 03′	.....	.....	64	17.8	.....	nw.	.....	.....	1	.....	3	.....	calm	0	0	cross	nnw.	clear.
U. S. Fish Com. S.S Fish Hawk, Cape Lookout, N.C.	.....	.....	66	18.9	.....	s.	.....	.....	3	.....	10	.....	sw.	0.02	0.5	mod.	sw.	cloudy.
S. Ismir, N 8° 39′, W. 46° 31′ *†	30.05	763.3	.....	.....	.....	ne.	.....	.....	6	.....	4	.....	ne.	0	0	r'gh	ne.	fine.
Bg. George, N. 28° 40′, W. 68° 10′ *†	30.12	765.0	.....	.....	.....	n.	.....	.....	1	.....	2	.....	n.	0	0	mod	n	fair.
Bk. Gloire, N. 39° 50′, W. 62° 20′	.....	.....	54	12.2	80	nnw.	.....	.....	3	.....	.....	.....	nw.	0	0	short	nw.	cloudy.
S. Grecian, N 42° 35′, W. 29° 20′†	29.51	749.5	61	16.1	82	ssw.	.....	.....	5	.....	10	.....	sw.	1 h'r	1 h'r	long	var.	cloudy
Bk. Galeon, N. 13° 07′, W. 54° 37′†	30.11	764.8	78	25.6	.....	e.	.....	.....	3	.....	4	.....	ese.	0	0	.....	.....	blue sky.
S. Hedwig, N 41° 12′ E. 16° 28′	29.52	749.9	57.4	14.1	95	sw.	.....	.....	3	.....	4	.....	var.	6 hr	6 hr	3	se.	rainy.
Bk. Hattie G. McFarland, N 24° 33′, W. 86° 23′	.....	.....	71	21.7	.....	ese.	.....	.....	2	.....	4	.....	se.	0	0	sm'h	nw.	fine.
S. Henry, N. 43° 57′, E. 14° 21′	.....	.....	58.1	14.5	.....	ne.	.....	.....	5	.....	10	.....	.....	.....	.....	3	ese.	h'vy rain.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	86	30.0	.....	wsw.	.....	.....	2	.....	5	.....	sw.	0	0	.....	.....	fair.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.02	762.5	.....	.....	.....	e.	.....	.....	2	.....	5	.....	ne.	0	0	.....	.....	fair.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†	30.07	763.8	.....	.....	.....	nne.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, Zaza, W.I†	.....	.....	.....	.....	.....	ne.	.....	.....	1	.....	.....	.....	ne.	0	0	.....	.....	fine.
Schr. Jenny Greenbank, N. 16° 17′, W. 65° 55′ *	30.03	762.7	78	25.6	.....	ese.	.....	.....	3	.....	2	.....	e.	0	0	mod.	ese.	clear.
Schr. Jenny R Morse, Darien, Ga †	29.93	760.2	.....	.....	.....	w.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	fine.
Light-house tender Laurel, Key West, Fla†	30.06	763.5	70	21.1	.....	nne.	.....	.....	2–3	.....	7	.....	ne.	0	0	.....	.....	fair.
S. S. Mendoza, N. 22° 51′, W. 61° 28′	.....	.....	.....	.....	.....	n.	.....	.....	1	.....	.....	.....	.....	5 h'r	5 h'r	sm'h	nw.	clear
Schr. Martinique, N. 31° 37′, W. 61° 57′	.....	.....	70	21.1	.....	nw.	.....	.....	7	.....	2	.....	uw.	0	0	h'vy	nw.	fair.
Schr. Norena. N. 35° 24′, W. 08° 54′ †	29.87	758.7	.....	.....	.....	wnw.	.....	.....	3	.....	3	.....	w.	2 h'r	2 h'r	mod	nw.	showery.
Bg. Rising Sun, N. 16° 55′, W. 57° 50′†	30.10	764.5	78	25.6	.....	se.	.....	.....	4	.....	3	.....	se.	0	0	mod.	se.	
Bk. Rosalie, N 22° 28′, W. 33° 06′ *†	30.18	766.6	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	mod.	wuw	
Bkt. Rosebud, N. 29° 14′, W 18° 46′ *	30.15	765.8	67	19.4	.....	sw.	.....	.....	4	.....	0	.....	.....	0	0	sm'h	.....	fine.
S. Salisbury, N. 42° 03′, W. 35° 01′	29.03	737.3	61.9	16.6	92	s.	.....	.....	9–10	.....	9 ks/n	.....	s.;w.	8¼ hr	8¼ hr	6–10	.....	cloudy.
Bk. Saga, N. 36° 10′, W. 44° 37′ †	29.45	748.0	63.5	17.5	.....	.....	.....	.....	5–6	.....	8	.....	.....	.....	.....	.....	.....	squally.
Bk. Sunbeam, Lisbon, Portugal †	29.88	758.9	60	15.6	88	sw.	.....	.....	7	.....	10	.....	wsw.	12 h'r	12 h'r	.....	.....	rainy.
Bgt. Sunlight, N. 34° 23′, W. 71° 34′ †	29.91	759.7	.....	.....	.....	ese.	.....	.....	1	.....	1	.....	sw.	0	0	mod.	nuw.	clear.
S. Stephen D. Horton, N. 41° 59′, W. 56° 45′	.....	.....	.....	.....	.....	nnw.	.....	.....	6	.....	10	.....	nnw.	4 h'r	4 h'r	mod.	nnw.	cloudy.
Bk. Silica, N. 59° 50′, W. 48° 12′	.....	.....	.....	.....	.....	nw.	.....	.....	2	.....	10	.....	n.	0	0	sm'h	.....	overcast.
Bg. Teneriffe, N 39° 30′, W. 73° 50′	29.86	758.4	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.08	764.0	76	24.4	.....	ne.	.....	.....	3	.....	3	.....	ne.	0	0	.....	.....	clear.
Schr John Bracewell, Chester, Pa †	29.88	758.9	40	4.4	.....	calm	.....	.....	0	.....	4	.....	.....	0	0	.....	.....	fair.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.86	758.4	64	17.8	89	wsw.	5	2.2	.....	.....	8	.....	w.	0.16	4.1	.....	.....	fair.
U. S. S. Pensacola, S. 2° 22′, W. 30° 04′†	30.00	762.0	81	27.2	83	nne.	.....	.....	3	.....	10	.....	une.	0.39	9.9	light	e.	cloudy.
U. S. S. Shenandoah, S. 41° 21′, W. 600 36′ *	30.29	769.4	56	13.3	94	se.	.....	.....	4	.....	10	.....	se.	.....	.....	h'vy	se.	cloudy.
H. M. S. Amethyst, Montevideo, Uruguay	29.75	755.6	59.5	15 3	88	ssw.	.....	.....	9	.....	9	s.	.....	.....	.....	o	ssw.	showery.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.93	760.2	60	15.6	.....	nw.	.....	.....	3	.....	4	nnw.	.....	.....	.....	.....	.....	showery.
H. M. S. Sylvia, S. 40° 30′, W. 21° 42′	30.02	762.5	60.5	15 8	94	nnw.	.....	.....	4	.....	10	.....	.....	.....	.....	4	nnw.	overcast.
Bk. Achille F., S. 20° 15′, W. 30° 15′*†	30.06	763.5	81	27.2	89	ese.	.....	.....	3	.....	4	.....	ese.	0	0	.....	.....	
Bk. Bore, S. 10° 09′, W. 32° 00′ *†	30.10	764.5	86	30.0	.....	se.	.....	.....	4	.....	2	.....	se.	0	0	sm'h	e.	clear.
S. Frank N. Thayer, S. 26° 49′, W. 22° 07′ *	30.01	762.2	83	28.3	71	nw.	.....	.....	1	9ckes	.....	n.	.....	0	0	light	ssw.	d. clouds.
S. Gatherer, S. 31° 04′, W. 45° 50′†	29.80	756.9	68	20.0	89	w.	.....	.....	5	.....	8	.....	sw.	1 h'r	1 h'r	r'gh	sw.	cloudy.
Bkt. Levanter, S. 9° 18′, W. 35° 00′	30.05	763.3	85	29.4	.....	ese.	.....	.....	3	.....	3	.....	ese.	0	0	light	e.	fair.
S. Ringleader. S. 8° 40′, W. 30° 40′ †	29.87	758.7	84	28.9	71	se.	.....	.....	6	.....	3	.....	se.	0	0	mod.	se.	clear.
S. S. Strassburg. S. 7° 33′, W. 32° 30′	30.02	762.5	83.0	28.3	75	ese.	.....	.....	4	.....	4	.....	e.	0	0	4	var.	clear.
Bk. Xenia, S 20° 58′, W. 29° 20′ *†	30.15	765.8	83	28.3	.....	ne.	.....	.....	3	.....	6	.....	ne.	0	0	mod.	s.	fair.
H. P. M S Rainha de Portugal, Mossamedes, Benguela	29 87	758.6	75.4	24.1	83	nw.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, N. 57° 14′, W. 135° 30 †	30.35	770.9	35	1.7	80	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. Naval Hospital, Yokohama, Japan	.....	.....	44	6.7	84	n.	.....	.....	1	.....	10	.....	wsw.	0.02	0.5	.....	.....	clearing.
U. S. S. Alert, Shanghai, China	30.18	766.6	53†	11.7†	86	w.	.....	.....	2	.....	8	.....	se.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 18° 02′, E. 104° 20′	30.00	762.0	76	24.4	81	ene.	.....	.....	0	.....	5	.....	.....	.....	.....	mod.	ene.	fair.
U. S. S. Juniata, Fernande Island, Corea	30.00	762.0	43	6.1	91	wsw.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Monocacy, Canton, China	30.10	766.1	56	13.3	81	nnw.	.....	.....	3	.....	10	.....	nnw.	0	0	.....	.....	cloudy.
U. S. S. Richmond, Hong Kong, China	30.12	765.0	61	16.1	88	nne.	.....	.....	2	.....	10	.....	ne.	1.8	46.	.....	.....	misty.
H. M. S. Audacious, Hong Kong, China	30.12	765.0	60	15.6	88	ene.	.....	.....	1	.....	10	e.	.....	.....	.....	.....	.....	overcast.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.19	766.8	51	10.6	79	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	sm'h	.....	blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.22	767.6	51.8	11.0	83	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	3	.....	squally.
H. P. M S. Tamega, Macao, China	30.15	765 8	59.0	15.0	78	n.	.....	.....	6	.....	9	.....	.....	1 h'r	1 h'r	.....	.....	overcast.
U. S. S. Palos, Shanghai, China	30.20	767.1	48	8.9	85	wsw.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	fair.
S. S. Newbern, N. 33° 20′, W 118° 52′	.....	.....	60	15.6	88	s.	.....	.....	2	.....	3	.....	sw.	0	0	small	w.	clear.
S. S. Arabic, N 23° 41′, E. 168° 38′ *†	29.98	761.5	74	23.3	90	ese.	.....	.....	3	.....	2	.....	ne.	0	0	sm'h	.....	blue sky.
S. S. Oregon, N. 38° 03′, E. 123° 59′ †	29.97	761.2	54	12.2	93	se.	.....	.....	3	.....	10	.....	se.	.....	.....	mod.	se.	light rain.
S. S. Alameda, N. 37° 23′, W. 124° 32′†	29.84	757.9	55	12.8	.....	se	.....	.....	4	.....	10	.....	sse.	0	0	mod.	s.	overcast.
S. S. Orizaba, N. 32° 41′, W. 117 19′†	30.03	762.7	56	13.3	87	wnw.	.....	.....	3	.....	8	.....	sw.	0	0	light	w.	cloudy.
S. S. City of Pekin, Yokohama, Japan†	29.91	759.7	45	7.2	84	ne.	.....	.....	4	.....	8	.....	s.	0	0	.....	.....	cloudy.
S. S. City of Rio de Janeiro, N 36° 44′, W. 164° 18′†	30.02	762.5	59	15.0	.....	nnw.	.....	.....	3	.....	9	.....	.....	.....	.....	.....	.....	overcast.
S. S. Colima, N. 21° 15′, W. 105° 59′†	29.95	760.7	69	20.6	80	calm	.....	.....	0	.....	6	.....	nw.	0	0	sm'h	nw.	fair.
S. S. Granada, N. 15° 30′, W. 93° 24′	.....	.....	78	25.6	82	e.	.....	.....	0	.....	0	.....	.....	0	0	light	.....	hazy.
S. S. San Blas, Panama, Panama†	29.88	758.9	74	23.3	100	nw.	.....	.....	2	.....	5	.....	s.	0	0	.....	.....	fair.
S. S. Benalder, Saigon, Cochin China	29.90	759.4	83	28.3	75	ese.	.....	.....	2–3	.....	0	.....	.....	.....	.....	.....	.....	clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Arica, Peru	30.02	762.5	68	20.0	95	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.92	760.0	70	21.1	100	s.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy
U. S. S. Onward, Callao, Peru*†	30.02	762.5	70	21.1	95	s.	.....	.....	1	.....	10	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.94	760.5	56	13.3	94	e.	.....	.....	1	.....	10	.....	calm	.....	.....	.....	.....	foggy.
U. S. S. Wachusetts, Valparaiso, Chili	29.94	760.5	54	12.2	100	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Nelson, Sydney, N.S.W.	30.23	767.8	64	17.8	78	se.	.....	.....	2	.....	6	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 29° 55′, W. 71° 20′	29.92	760.0	60	15.6	100	e.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	foggy.
S. S. Australia, S. 34° 10′, E. 165° 30′ *.	29.84	757.9	67	19.4	89	sw.	.....	.....	4	.....	8	.....	sw.	0	0	.....	se	overcast.
S. S. City of Sydney, S. 5° 40′, W. 107° 56′ *†	29.84	757.9	81	27.2	78	calm	.....	.....	0	2 cs	.....	.....	.....	.....	.....	sm'h	ese.	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Colombo, Ceylon, India	29.84	757.9	86	30.0	92	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
H. M. S. Euryalus, Massuah, Abyssinia	29.86	758.4	81	27.2	78	ne.	.....	.....	1	.....	4	calm	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Magpie, S 10° 20′, E. 85° 42′	29.88	758.0	80.7	27.1	76	sse.	.....	.....	2	.....	7	.....	.....	.....	.....	3	se.	d. clouds.
S. S. Bracondale, N 27° 14′, E. 34° 15′	.....	.....	80	26.7	.....	nnw.	.....	.....	4	.....	0	.....	.....	0	0	light	n.	clear.
Bk. Childwall, off Kingston, N.S.W*	30.03	762.7	58	14.4	88	ene.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	fine.
S. J. W. Gildemeister, S. 10° 00′, E 84° 24′	29.02	760.0	80.6	27	73	sse.	.....	.....	4	3 ck	.....	se.	.....	0	0	4	ese.	d. clouds.
Bk. Nouva Margherita, S. 9° 34′, E. 105° 32*†	29.75	755.6	.....	.....	.....	s.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	cloudy.
S. Orealia, N. 10° 14′, E. 82° 24′*	29.84	757.9	.....	.....	.....	ssw.	.....	.....	4	.....	5	.....	sw.	rain	rain	long	ssw.	fair.
S. S. Lepanto, N. 20° 42′ E. 38° 37′	.....	.....	75	23.9	.....	nnw.	.....	.....	3	.....	3	.....	sw.	0	0	sm'h	.....	clear.
													nw.	0	0	sm'h	.....	clear.

International Chart I. April 8, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 9, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.97	761.2	68.0	20.0	64	se.	.....	.....	1	.....	8	.....	.....	0.165	4.2	very cloudy	Roziere.
Algiers	.....	.....	29.96	760 9	61.9	16.6	77	se.	.....	.....	1	.....	8	.....	.....	0.059	1.5	very cloudy	Thève.
La Calle	.....	.....	29.92	760.0	63.7	17.6	78	nnw.	.....	.....	2	.....	4	.....	.....	0	0	cloudy	Fontrède.
Tunis	.....	.....	29.89	759.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.04	763.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.02	762.6	74.5	23.6	.....	se.	.....	.....	1	.....	4	.....	.....	0	0	cloudy	Abraham.
Biskra	.....	.....	30.07	763 7	68.7	20.4	47	calm	.....	.....	0	.....	4	.....	.....	0	0	cloudy	Gonzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.22	767.6	63.7	17.6	49	ese.	6	2.7	.....	8 cs	.....	.....	.....	0	0	cloudy	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.05	763.3	30.24	768.1	56.5	13.6	91	calm	0	0	.....	.....	9	.....	nw.	0	0	cloudy	Com. J. Short, R.N.
Melbourne, Victoria	30.18	766.6	30.27	768 8	58.0	14.4	80	nne.	3	1.3	.....	.....	3	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.34	745.1	29.82	759.0	55.0	12.8	32	se.	.....	.....	3	.....	4	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.13	739.8	29.91	759.7	43.2	6.2	88	ne.	4.3	1.9	.....	.....	10	.....	...	0.004	0.1	.....	Dr. Wierzbiski
Eperies	29.00	736.5	29.89	759.1	46.4	8.0	65	n.	.....	.....	2	.....	10 s	.....	s.	0.272	6.9	.....	Julius Mikolik.
Gratz	28.63	727.3	29.88	759.0	52.3	11.3	53	nw.	.....	.....	3	.....	1	.....	.....	0.059	1.5	...	Andreas Rosplut.
Hermannstadt	28.40	721.4	29.85	758.2	46.9	8.3	86	se.	.....	.....	2	.....	10	.....	.....	0.142	3.6	.....	Andreas Rosplut.
Kremsmunster, Obs'y	28.49	723.6	29.84	757.9	47.1	8.4	63	ene.	.....	.....	1	.....	6	.....	.....	0	0	.....	Prof. A. Gottschling
Lemberg	29.00	736.5	30.01	762.3	39.0	3.9	87	e.	.....	.....	5	.....	10	.....	.....	0.016	0.4	.....	The Staff.
Pola	29.71	754.7	29.82	757.5	57.9	14.4	59	e	.....	.....	4	.....	7	.....	.....	0.217	5.5	raining	Dr. T. Stanecki.
Szathmar	29.34	745.2	.....	.....	54.1	12.3	60	s.	.....	.....	2	.....	10	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szegedin	29.56	750.7	29.84	757.9	51.4	10.8	81	w.	.....	.....	1	.....	10	.....	.....	0.031	0.8	.....	Joseph Midlinsky, S. J
Trieste	29.76	755.8	29.85	758.3	61.2	16.2	29	ne.	.....	.....	2	.....	7	.....	.....	0	0	.....	Karl Stancel.
Vienna	29.18	741.2	29.90	759.5	50.7	10.4	38	se.	.....	.....	1	.....	0	.....	.....	0	0	.....	Royal Academy.
BELGIAN.																			I. R. Central Met. Obs'y.
Arlon	.....	.....	.....	.....	51.6	10.9	51	ne.	.....	.....	4	.....	2	.....	.....	0	0	.....	.....
Brussels	29.67	753.6	29.87	758.8	48.7	9.3	51	wnw.	.....	.....	2	0	2	.....	n.	0.028	0.7	.....	.....
Furnes	29.91	759.8	29.93	760.3	50.0	10.0	75	ne	.....	.....	2	.....	1	.....	.....	0.004	0.1	.....	.....
Maeseyck	29.74	755.4	29.87	758.6	50.0	10.0	71	nne.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	30.01	762.2	30.11	764.8	44.9	7.2	90	sse.	12	5.4	.....	.....	10	.....	.....	0	0	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.97	761.2	57.2	14.0	56	ese.	12	5.4	.....	.....	2	.....	.....	.....	.....	blue sky	John Hartnup.
Bolton, Sharples	29.46	748.3	29.99	761.7	53.9	12.2	52	ese.	6	2.7	.....	.....	.....	.....	.....	.....	.....	blue sky	Thomas Mackereth.
Bradford, Yorkshire	29.61	752.1	30.01	762.2	52.3	11.3	57	ne.	.....	.....	3	.....	4	.....	.....	0	0	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.06	763.5	30.08	764.0	83.0	28.3	71	ne.	.....	.....	2	.....	1	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E	29.80	756.9	29.98	761.5	51.1	10.6	70	e.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E
Falmouth, Observatory	29.74	755.4	29.97	761.2	54.1	12.3	59	se.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	The Staff.
Fort Napier, Natal	27 60	701.0	29.90	759.4	64.0	17.8	91	ne	.....	.....	1	.....	10	.....	.....	.....	.....	raining	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	29.59	751.6	29.82	757.4	86.0	30.0	72	s.	.....	.....	1	.....	4	.....	.....	.....	.....	d clouds	J. W. Smith.
Galway, Queen's College	29.84	757.9	29.87	758.7	54	12.2	87	e.	.....	.....	1	.....	7	.....	.....	0.02	0.5	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.87	758.7	29.98	761.5	65.6	18.7	87	w.	.....	.....	4	.....	8	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.78	756.4	29.95	760.7	56.9	13.8	52	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	The Staff.
Guernsey	29.65	753.1	29.95	760.7	54.0	12.2	77	ne.	.....	.....	1	.....	2	.....	.....	0	0	foggy	A. Collenette, F.R.M.S
Kew, Observatory	29.92	760.0	29.95	760.7	53.3	11.8	43	ne.	12	5.4	.....	.....	0	.....	.....	.....	.....	hazy	The Staff.
Leicester, Museum	29.73	755.1	29.98	761.5	56.0	13.3	45	e.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	J. C. Smith.
Malta, Mediterranean	29.68	753.9	29.76	755.9	62.6	17.0	64	sw.	.....	.....	3	.....	7	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.03	762.7	30.07	763.8	76.0	24.4	68	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.73	755.1	29.96	761.0	56.0	13.3	63	ne.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.87	758.7	29.94	760.5	58.0	14.4	61	s.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.97	761.2	30.07	763.8	47.7	8.7	89	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.74	755.4	29.80	756.9	56.0	13.3	69	sw.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.73	755.1	30.01	762.2	55.3	12.9	56	ne.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	W. F. Cooper.
Silloth Rectory	29.96	761.0	29.99	761.7	56.5	13.6	83	ne.	.....	.....	3	.....	7	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.02	762.5	53.7	12.1	57	e.	11	4.9	.....	.....	.....	.....	.....	0	0	blue sky	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	57.5	14.2	65	n.	.....	.....	2.0	.....	0	.....	.....	0	c	blue sky	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.86	758.4	29.89	759.2	54.9	12.7	84	se.	24	10.7	.....	.....	10	.....	s.	blank	blank	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.62	752.3	30.00	762.0	64.4	18.0	69	sw.	7.5	3.4	.....	8 ck	0	w.	.....	0	0	cloudy	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.94	760.5	30.06	763.5	61.5	16.4	89	e.	27	12.1	.....	.....	10 k	.....	e.	0	0	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B	29.87	758.7	29.91	759.7	34	1.1	.....	calm	0	0	.....	9 ck	0	w.	.....	0	0	cloudy	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.92	760.0	29.96	761.0	29	— 1.7	77	calm	0	0	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	29.88	758.9	29.95	760.7	27	— 2.8	96	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	G. A. Blair.
Cornwall, Ontario	29.57	751.1	29.77	756.1	32.0	0.0	99	e.	.....	.....	1	.....	fg.	.....	.....	0	0	overcast	Jas. Smith, M. A.
Dalhousie, N. B	29.85	758.2	29.90	759.4	34.5	1.4	.....	calm	.....	.....	0	5 k	0	.....	.....	0	0	cloudy	H. A. Johnson.
Father Point, Quebec*	29.82	757 4	29.85	758.2	35	1.7	85	w.	2	0.9	.....	5 c	5 ks	.....	w.	0	0	fair	J. McWilliams
Fort Garry, Manitoba*	29.39	740.5	30.27	768.8	20	— 3.3	92	n.	10	4.5	.....	.....	10 n	.....	.....	0.10	2.5	light snow	James Stewart.
Fredericton, N. B	29.90	759.4	29.97	761.2	33.0	0.6	87	e.	1	0.4	.....	.....	10 s	.....	.....	0	0	overcast	Dr. Thos. Harrison.
Grand Manan, N. B	29.87	758.7	29.93	760.2	34	1.1	96	se.	9	4.0	.....	0	fg.	.....	.....	0.03	0.8	cloudy	J. Chipman Seeley
Granton, Ontario	28.68	728.5	29.82	757.4	32.1	0.1	97	calm	0	0	.....	6 cs	0	nw.	.....	0.18	4.6	d. clouds	Jas. Grant.
Halifax, N. S*	29.85	758.2	29.99	761.7	32	0.0	81	ne.	2	0.9	.....	10 k	0	nw.	.....	0	0	cloudy	A. Allison.
Hamilton, Ontario	29.34	745.2	29.75	755.6	35.5	1.9	91	nw.	.....	.....	1	10 cs	0	ne.	.....	0	0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.47	748.5	29.81	757.2	35	1.7	92	ne.	3	1.3	.....	.....	10 n	.....	calm	0.05	1.3	light rain	A. P. Knight, M. A
Little Glace Bay, N. S	29.89	759.2	29.92	760.0	28.5	— 1.9	85	n.	.....	.....	2	5 k	0	nw.	.....	0	0	fair	C. H. Rigby.
London, Ontario	28.90	734.0	29.83	757.7	31.8	— 0.1	95	calm	.....	.....	0	.....	10 n	.....	.....	0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T	27.88	708.1	30.29	769.4	25	— 3.9	90	ne.	15	6.7	.....	0	0	.....	.....	0	0	blue sky	John Ewart.
Minnedosa, N. W. T	28.30	718.8	30.35	770.9	23	— 5.0	88	n.	17	7.6	.....	.....	10 n	.....	e.	0	0	cloudy	Rev. J. M. Wellwood.
Montreal, Quebec*	29.00	751 8	29.82	757.4	33	0.6	96	ne.	1	0.4	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.58	751.3	29.81	757.2	30.7	— 0.7	96	nne.	.....	.....	.....	0	4 ks	.....	.....	0	0	d. clouds	A. McGill, M. A.
Parry Sound, Ontario*	29.10	739.1	29.81	757.2	32	0.0	88	s	4	1.8	.....	.....	10 n	.....	sw.	inap.	inap.	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.02	737.1	29.76	755.9	47.7	8.7	55	ne.	.....	.....	1	.....	10 k	.....	.....	0.02	0.5	overcast	Wm. O'Connor, M.A.
Port Arthur	29.22	742.2	29.94	760.5	35	1.7	89	n.	4	1.8	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	W. P. Cooke.
Port Dover, Ontario	29.07	738.4	29.78	756.4	34	1.1	89	nw.	3	1.3	.....	.....	10 ks	.....	nw.	inap.	inap.	cloudy	H. Morgan.
Port Stanley, Ontario	29.14	740.1	29.81	757.2	33	0.6	96	nw.	2	0.9	.....	.....	10 n	.....	nw.	0.15	3.8	cloudy	M. Payne.
Qu Appelle, N. W. T	28.66	712.7	30.49	774.4	19	— 7.2	.....	calm	0	0	.....	0	.....	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.49	749.0	29.85	758.2	34	1.1	100	ne.	8	3.6	.....	.....	10 s	.....	ne.	0	0	cloudy	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.36	745.7	29.84	757.9	27	— 2.8	96	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.87	758.7	29.92	760 0	34	1.1	100	ese.	5	2.2	.....	.....	10 n	.....	.....	0.01	0.3	overcast	G. Hutchinson.
St. John, N. B	29.81	757.2	29.96	761.0	33.5	0.8	84	.....	.....	.....	.....	4 k	4 ks	se.	.....	0	0	cloudy	The Commandant.
St. Pierre, N. F	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saugeen, Ontario*	29.07	738.4	29.80	756.9	33	0.6	96	calm	0	0	.....	.....	10 s	.....	.....	0.10	2.5	cloudy	.....
Stratford, Ontario	28.50	723.9	29.83	757.7	32.0	0.0	80	w.	1	0.4	.....	.....	10 s	.....	.....	0.100	2.5	d. clouds	W. McBride, M.A

STATIONS	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	29.91	759.7	29.97	761.2	27	— 2.8	77	w.	6	2.7			10 n			0	0	cloudy	**T. C. Hill, C.E.**
Toronto, Ontario*	29 41	747.0	29.80	756.9	34	1.1	96	nw.	3	1.3			10 n		n.	0.04	1.0	cloudy	**Magnetic Observatory.**
Woodstock, Ontario	28.72	729.5	29.82	757.4	33.0	0.6	88	nw.	4.5	2.0			10 n			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.86	758 4	29.93	760,2	37	2.8	96	e.	6	2.7			fg			0.04	1.0	dense fog	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.14	765.5	30.17	766 3	66.0	18.9	84	sw.				0	0			0.040	1.0	fine	I; Garfelt.
Cape Town, The Castle	29.99	761.7			65.0	18.3	51	nw.				0	0			0	0		Capt. R. Gardner Warton
Springbok Fontein	27.90	708.6			72	22.2	54									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					59.0	15.0	82	n.			6		10 n		n.	0.079	2.0	cloudy	**Leon Herrera.**
Valparaiso	29.84	757.8	29.98	761.4	58.1	14.5	88	n.			1	0	0			0	0	clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.12	765.0	30.14	765.6	50.9	10.5	68	se.	18.6	8.3		8 ck;os	0	w.		0.760	19.3	almost cov'd	M. Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.99	761 7	30.04	762.9	39.9	4.4	92	ese.	34	15			10						Oversergent Fischer.
Fanöe	29.94	760.4	29.96	760.9	42.8	6.0	81	ene.			6		10						Overloerer Lauridsen.
Godthaab, Greenland	29.40	746.8	29.45	747.9	34.2	1.2	52	n.			2-4		10						S. Kleinschmidt.
Ivigtut, Greenland	29.54	750.2	29.56	750.7	30.9	— 0.6		calm			0		10					snowing	
Stykkisholm, Iceland	29.80	757.0	29.85	758.1	37.4	3.0	81	se.			4		5						A. O. Thorlacius.
Thorshavn	30.04	763.0	30.06	763.6	49.6	9.8	73	sw.	13	6			7						Overloerer Bergh.
Upernavik, Greenland	29.88	758.9	29.93	760.1	— 3.1	—19.5		e.			2		0						
Vestervig	29.95	760.8	30.04	763.1	49.1	9.5	47	ene.			4		2						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.88	759.0			86.0	30.		n.	6.5	2.9		0	0			0	0		Albert Ismaïun, **Dir.**
FRENCH.																			
Agen, Normal School																			M. Labroue, Director.
Alençon, Normal School	29.37	746.0	29.92	760.0	50.c	10	76	n.			1		2 kn		sse.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.65	753.0	29.89	759.2	53.6	12.	38	ne.			1		0			0.012	0.3	clear	**M. Ungerer, Director.**
Avignon, Normal School	29.69	754.2	29.77	756.2	64.0	17.8	44	nnw.			2		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.28	743.6	29.83	757.7	54.0	12.2	74	n.			1		10		nw.	0.157	4.0	covered	M. Saillard, Director.
Beauvais, Normal School	29.60	751.9	29.87	758.6	55.6	13.1	52	ne.			2		5		ene.	0	0	cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.89	733.9	29.78	756 5	55.9	13.3	57	ne.			1		kn		sw.	0.220	5.6		M. Gobin, Director.
Bordeaux, Observatory	29.61	752.1	29.87	758.7	59.4	15.2	54	nne.			1		5		nne.	0	0	cloudy	M. Rayet, Director.
Bourges, Normal School	29.34	745.3	29.89	759.3	55.4	13	66	w.			2		5		nw.	0	0	cloudy	M. **Sauvageot, Director.**
Brest, Naval Observatory	29.75	755.6	29.99	761.8	68.7	20.4	57	s.			1		4		s.	0	0		M. de Kermaïec, Dir.
Caen, Normal School	29.79	756.6	29.86	758 5	51.:	10.6	95	nw.			1		10			0	0	covered	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.45	748.1	29.77	756.2	57.2	14.0	67	nnw.			2		2		nnw.	0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.35	745.4	29.87	758 6	50.9	10.5	72	s.			1		0			0	0	clear	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.50	723.8	29.86	758.5	50.0	10.0	79	n.			1		10			0	0		M. Allnard, Director.
Cluny, Normal School	28.98	736 0	29.81	757.2	56.7	13.7	64	ne.			1		10		ne.	0.067	1.7		M. de Villemontée, Dir.
Commercy, Normal School	29.00	736.7	29.83	757 6	52.2	11.2	48	ne.			4		kn	ne.	ne.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.20	690 8	29.62	752 4	61.7	16.5	34	sw.			1		4 k		sw.	0.343	8.7		M. Jarach, Director.
Gréasque, du Rhone	28.63	727.3	29.74	755.3	61.7	16.5	71	sw.			1		9		sw.	0	0		M. Kina, Director.
Grenoble, Normal School	29.08	738 7	29.84	757 8	61.9	16.6	53	w			1	ck			n.	0	0		M. Abbard, Director.
Guéret, Normal School	28.41	721.7	29.88	759.0	53.6	12.	22	nw.			1	ck			nw.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.61	752 2	29.89	759.2	48.9	9.4	78	n.			4		k		n.	0	0	clear	**M. Pollpre, Dir.**
Lescar, Normal School	29.27	743.4	29.81	757.2	66.4	19.1	31	ne.			1		2 k			0	0	slightly cl'dy	M. Chauvin, Director.
Lorient, Naval Observatory	29.89	759.2	29.99	761.8	67.6	19.8	57	s.			3		2			0	0	¼ covered	**Lt. T. Carre,** Director.
Lyon, St. Genis-Laval	28.76	730.6	29.81	757.2	55.6	13.1	60	nw			2		5 kn	e.	nw.	0.004	0.1	cloudy	M. André, Director.
Mans, Normal School	29.60	751 9	29.91	759 7	54.5	12.5	72	nne.			1		5 kn		ne.	0	0	cloudy	M. **Richard,** Director
Marseille, Observatory	29.48	748.7	29.74	755.5	64.6	18.1	61	sw.			2		5		wnw.	0	0		M. Stephan, Director.
Montlouis	24.61	625.1	29.45	748.1	44.2	6.8	49	ne.	16.8	7.5			7	e.		0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.63	752 7	29.98	761 5	63.3	17.4	87	s.			2		5	w.		0	0	cloudy	M. Galzin, Director.
Nancy, Normal School	29.00	736.7	29.79	756 6	52.5	11.4	57				1		k	w.		0.382	9.7		**M. Hasse, Director.**
Nantes, Observatory	29.78	756.5	29.95	760.6	59.9	15.5	51	nw.			1-2		2 k		nne.	0	0		M. Lacroque, Director.
Perpignan, Observatory	29.70	754 3	29.80	757.0	66.4	19.1	30	n.	7.4	3.3			1		nw.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.99	533.1			30.7	— 0.7		nw.			1				nw.	0	0	foggy	**M. Vaussenat, Director.**
Privas, Normal School	28.76	730.4	29.83	757.6	57.6	14.2	52	n.			1		5		n.	0	0	cloudy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.97	634.2			34.2	1.2	100	n.			2		10			0.008	0.2	foggy	M. Allnard.
Rochefort, Naval Obs'y	29.88	758.9	29.91	759.7	63.7	17.6	55	n.			1		2		n.	0	0	¼ covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.56	750.9	29.78	756.3	59.7	15.4	60	se.			1			s.	s.	0	0		M. Brethier, **Director.**
Rodez, Normal School	27.69	703 3	29.85	758.2	56.8	13.8	58	n.			1		5		s.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.82	757 5	29.87	758 7	58.6	14.8	74	n			1		0			0	0	foggy	M. Mouillot, Dir.
Saint Maur, Observatory	29.70	754.4	29.87	758.6	55.4	13.0	69	nw.			1				nnw.	0.165	4.2		M. Renou, Director.
Toulouse, Observatory	29.16	740 6	29.88	758.9	62.2	16.8	50	n.			1		1	nw.		0	0	clear	M. Baillaud, Director.
Tours	29.72	754.8	29.90	759.4	57.2	14.0	67	wsw.			1		10		w.	0	0	covered	M. de Tastes.
Versailles, Observatory	29.38	746.2	29.87	758.8	52.5	11.4	80	n.			1					0	0		Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.72	755.0	29.87	758.8	62.8	17.1	46	n.	5.8	2.6			2 k		wnw.	0	0		M. Carlier, Director.
GERMAN.																			
Ansbach	28.36	720.4	29.81	757.2	50.4	10.2	35	sw.			4		4	sw.		0	0		Prof. Jnedt.
Bamberg	28.95	735.4	25 79	756.7	48.7	9.3	52	se.			2		8 ks			0	0		Prof. Dr. Hoh.
Berlin	29.68	753.8	29.82	757.5	43.2	6.2	67	s.			3		10			0.646	16.4		Meteorological Institute
Breslau	29.40	746.8	29.93	760,2	49.6	9.8	42	ssw.			3		4			0	0		Royal University Obs'y
Carlsruhe	29.37	745.9	29.82	757.5	50.0	10.0	41	sw.			1		0			0.063	1.6		Albert Senz.
Cassel	29.07	738 3	29.78	756 4	38.8	3.8	83	w.			3		8	nw.		0.047	1.2		Dr. H. Möhl.
Frankfort-on-the-Main	29.43	747.4	29.79	756 7	54.1	12.3	35	wnw.			2		7			0	0		Physical Society.
Friedrichshafen	28.40	721.4	29.82	757 5	48.6	9.2	69	w.			3		1	w.		0.035	0.9		Wilhelm, Chief Tel.
Hamburg	29.75	755.7	29.84	758 0	42.1	5.6	68	e.			5		10			0.083	2.1		E. Preller.
Kiel	29.87	758.6	29.88	759.0	43.5	6.4	73	e.			4		9			0.024	0.6		Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.39	746.5	29.82	757.3	44.6	7.0	77	ssw.			3		7	ssw.		0.390	9.9		H. Leppig, Asst.
Magdeburg	29.59	751.5	29.77	756.2	43.5	6.4	69	se.			1		10			0.358	9.1		Weather Observatory.
Memel	30.20	767.0	30.24	768.2	44.4	6.9	74	e.			4		5 ks						Issermann.
Munich	28 co	711.3	29.85	758 3	47.7	8.7	41	calm			0		2	w.		0.004	0.1		Central Station.
Neufahrwasser	30.06	763.6	30.09	764.3	45.5	7.5	66	se.			3		10			0.004	0.1		A. Lothes.
Neustadt, Palatinate	29.27	743.5	29 80	756.8	53.4	11.9	53	s			2		4	w.		0	0		Prof. Dicknether.
Stuttgart	28.85	732.7	29.74	755 4	50.0	10.0	56	n.			2		3	w.		0.094	2.4		Prof. Dr. Schoder.
Wustrow	29.85	758.2	29.88	758.9	47.3	8.5	87	ese.			4		10 8			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.50	749.3	29.88	758.9	71.1	21.7		s.			1.5	2				0	0		Kokkides & Wourtisch.
INDIAN.																			
Kurrachee	29.67	753.6	29.72	754 8	82.0	27.8	79	wsw.	40.0	17.9			2			0	0	d. clouds	
Deesa	29.23	742.5	29.69	754 2	95.8	35.4	30	w.	23.0	10:3			0			0	0	blue sky	
Bombay	29.80	756.8	29.84	757.8	83.1	28.4	70	w.	10.0	4.5			0			0	0	blue sky	
Poona, Yarrowda	27.96	710.1	29.77	756 0	91.0	32.8	20	wnw.	18.0	8.0			0			0	0	blue sky	
Trichinopoly	29.52	749.7	29.79	756.6	99.1	37.3	27	ese.	0.2	0.1			0			0	0	blue sky	
Bellary	28.29	718.6	29.70	754.4	98.5	36.9	20	w.	4.0	1.8			0			0	0	blue sky	
Belgaum	27.29	693 2	29.79	756.6	84.1	28.9	49	wsw.	7.0	3.1			1		e.	0	0	d. clouds	
Lahore	28 94	735.1	29.67	753.6	87.0	30.6	23	calm	0	0			4			0	0	d. clouds	
Koorkee	28.80	731.6	29.68	754.0	88.7	31.5	24	calm	0	0			8	w.		0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Agra	29.11	739.5	29.66	753.3	96.9	36.1	32	w.	2.0	0.9	....	....	6	....	w.	0	0	d. clouds	
Nagpur	28.65	727.6	29.65	753.1	100.1	37.8	12	w.	10.0	4.5	....	....	0	....	....	0	0	blue sky	
Jubbulpore	28.36	720.3	29.67	753.5	96.0	35.6	15	w.	8.0	3.6	....	....	2	w.	....	0	0	d. clouds	
Lucknow	29.33	745.0	29.70	754.2	95.0	35.0	20	calm	4.0	1.8	....	....	5	e.	....	0	0	d. clouds	
Allahabad	29.38	746.2	29.68	753.9	96.7	35.9	15	calm	0	0	....	....	3	....	....	0	0	d. clouds	
Patna	29.50	749.3	29.68	753.9	93.7	34.3	20	nw.	5.1	2.3	....	....	4	nw.	nw.	0	0	d. clouds	
Hazaribagh	27.74	704.5	29.70	754.5	88.1	31.2	10	nw.	12.0	5.4	....	....	2	....	....	0	0	d. clouds	
Cuttack	29.63	752.5	29.71	754.5	88.6	31.9	57	w.	3.0	1.3	....	....	0	....	....	0	0	blue sky	
Calcutta, Alipore	29.68	753.9	29.70	754.4	91.5	33.1	37	sw.	9.0	4.0	....	....	0	....	....	0	0	blue sky	
Chittagong	29.72	754.8	29.81	757.1	81.5	27.5	78	se.	11.2	5.0	....	....	7	....	se.	0	0	d. clouds	
Sibsagar	29.50	749.2	29.84	757.9	70.0	21.1	85	ne.	2.0	0.9	....	....	8	w.	w.	0.20	5.1	d. clouds	
Jeypore	28.22	716.8	29.61	752.1	96.0	35.6	17	w.	12.5	5.6	....	....	4	....	w.	0	0	d. clouds	
Zanzibar	29.79	756.7	....	....	88.7	31.5	63	ese.	2.7	1.2	....	....	4	....	e.	....	....	d. clouds	
ITALIAN.																			
Udine	29.45	748.1	29.86	758.4	58.3	14.6	30	e.	0.7	0.3	....	....	9	....	....	0	0	....	Prof. Giovanni Clodig.
Milan	29.32	744.7	29.83	757.7	55.8	13.2	68	se.	9.4	4.2	....	....	10	se.	....	0	0	....	Prof. G. V. Schiapparelli
Padua	29.76	755.8	29.86	758.5	53.8	12.1	55	ese.	8.7	3.9	....	....	10	e.	....	0.075	1.9	....	Prof. Dott. Lorenzoni.
Moncalieri	28.88	733.6	29.78	756.4	54.5	12.5	80	nw.	3.8	1.7	....	....	9	n.	....	0.071	1.8	....	Prof. F. F. Denza.
Genoa	29.60	751.8	29.79	756.7	57.2	14.0	74	ne.	1.8	0.8	....	....	10	s.	....	0.205	5.2	....	Prof. G. M. Garibaldi.
Pesaro	29.79	756.7	29.84	757.9	56.8	13.8	72	e.	11.2	5.0	....	....	3	w.	....	0.350	8.9	....	Prof. Luigi Guidi.
Florence	29.52	749.9	29.78	756.3	62.2	16.8	63	sw	....	....	2	....	8	....	....	0.028	0.7	....	Prof. Costantino Pittei.
Leghorn	29.63	752.7	29.72	754.8	60.4	15.8	75	nw.	2.5	1.1	....	....	5	sw.	....	0.028	0.7	....	Prof. P. Monte.
Rome	29.63	752.7	29.81	757.1	62.6	17.0	62	sw.	13.0	5.8	....	....	10	....	....	0	0	....	Prof. P. Tacchini.
Lecce	29.60	751.9	29.85	758.2	63.7	17.6	51	sw.	12.5	5.6	....	....	4	....	....	0.020	0.5	....	Prof. C. de Giorgi.
Cosenza	28.98	736.2	29.87	758.7	58.3	14.6	76	w.	1.8	0.8	....	....	9	w.	....	0.402	10.2	....	Prof. D. Conti.
Palermo	29.67	753.6	29.92	759.9	68.7	20.4	35	wsw.	13.6	6.1	....	....	5	....	....	0	0	....	Prof. G. Cacciatore
Syracuse	29.84	757.9	29.88	759.0	66.6	19.2	70	sse.	4.9	2.2	....	....	10	wnw.	....	0	0	....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.37	745.9	....	....	59.9	15.5	63	sw.	9.8	4.4	....	....	5	w.	....	0.020	0.5	....	Prof. F. Brioschi.
Stelvio	21.88	555.6	....	....	32.0	0.0	68	w.	....	....	4	....	6	....	....	0.083	2.1	misty	Prof. P. F. Denza.
Valdobbia	21.92	556.8	....	....	37.6	3.1	61	w.	....	....	2	....	9	....	....	0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.10	764.6	30.13	765.3	41.2	5.1	76	n.	....	....	2	....	10 k	....	w.	0	0	cloudy	H. Hattori.
Awomori	30.08	764.0	30.12	765.0	34.4	1.3	81	ssw.	4.5	2.0	....	....	10 s	....	w.	0	0	overcast	K. Ogawa.
Hakodate	30.10	764.5	30.11	764.8	38.0	3.3	75	sw.	10.2	4.6	....	0	0	....	....	0	0	clear	Y. Souma.
Hamamatsu	30.02	762.5	30.12	765.0	44.8	7.1	54	wnw.	....	....	2	0	0	....	....	0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.26	768.6	30.28	769.0	45.0	7.2	65	ne.	3.1	1.4	....	0	0	....	....	0	0	clear	Y. Okamoto.
Kagoshima	30.21	767.3	30.22	767.6	47.9	8.8	85	calm	....	....	0	0	0	....	....	0	0	clear	
Kanazawa	30.15	765.7	30.25	768.4	40.8	4.9	86	calm	0	0	....	....	9ks;s	....	nw	0.150	3.8	overcast	S. Endo.
Kioto	30.07	763.7	30.24	768.1	41.8	5.4	69	nw.	0.5	0.2	....	0	3ck;ks	....	nw.	0.037	0.9	fair	M. Tojima.
Kochi	30.19	766.7	30.22	767.4	53.1	11.7	54	n.	14.4	6.4	....	1 ck	0	....	....	0	0	clear	K. Kusunose.
Miasaka	30.19	766.8	30.22	767.5	50.9	10.5	85	nne.	....	....	2	0	0	....	....	0	0	clear	K. Masusaki & T. Ishmain.
Miyako	30.00	761.9	30.11	764.7	34.1	1.2	90	sw.	3.6	1.6	....	1 c	0	nw.	....	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	30.05	763.3	30.26	768.6	47.3	8.5	70	nne.	0.9	0.4	....	0	0	....	....	0	0	clear	
Nemuro	30.01	762.2	30.06	763.5	29.0	— 1.7	83	calm	0	0	....	....	10 n	....	....	0	0	foggy	A. Shibuya.
Niigata	30.12	765.0	30.16	766.0	43.2	6.2	86	sw.	7.1	3.2	....	0	8ks;s	....	sw.	0.270	6.9	cloudy	Satoo & Tomikawa.
Nobiru	30.09	764.1	30.10	764.5	41.0	5.0	90	sw.	2.7	1.2	....	3 ck	0	w.	....	0	0	fair	Yoshino & Midzushina.
Numadzu	30.05	763.3	30.09	764.2	45.1	7.3	76	ene.	....	....	2	0	0	....	....	0.047	1.2	clear	T. Ohgi.
Osaka	30.23	767.8	30.24	768.2	42.4	5.8	75	n.	6.1	2.7	....	0	0	....	....	0.030	0.7	clear	H. Omura.
Saga	30.24	768.0	30.26	768.6	45.7	7.6	74	ne.	1.9	0.8	....	0	0	....	....	0	0	clear	A. Matsuhayashi.
Sakai	30.28	769.0	30.29	769.2	43.3	6.3	64	nnw.	....	....	2	0	0	....	....	0	0	clear	Yamawchi & Sakamoto.
Sapporo	30.03	762.7	30.09	764.4	32.0	0.0	79	nw.	3.2	1.4	....	0	3 ks	....	w.	0	0	clear	S. Kimura.
Shimonoseki	30.13	765.3	30.28	769.0	55.8	13.2	32	ne.	....	....	1	0	0	....	....	0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	30.06	763.4	30.13	765.4	43.9	6.6	84	ene.	6.3	2.8	....	0	2s;ck	....	nw.	0	0	fair	The Staff.
Wakayama	30.19	766.8	30.24	768.2	46.3	7.9	57	ne.	2.4	1.1	....	0	0	....	....	0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.75	755.6	29.94	760.5	80.1	26.7	69	e.	17.0	7.6	....	0	4kn;ks	....	ese.	0	0	fair	The Staff.
MEXICAN.																			
Leon	24.33	618.0	29.98	761.5	60.1	15.6	57	nnw.	0.9	0.4	....	0	0	....	....	0	0	clear	M. Leal & M. Pina.
Mazatlan	29.69	754.2	29.96	761.0	66.0	18.9	84	nnw.	0	0	....	1 cs	0	n	....	0	0	clear	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.93	760.1	29.93	760.1	49.3	9.6	....	nne.	....	....	4	....	....	....	....	0	0	....	
Groningen	29.81	757.1	29.86	758.5	40.8	4.9	....	ne.	....	....	3	....	....	....	....	0.079	2.0	....	
Helder	29.91	759.6	29.91	759.6	45.3	7.4	....	nne.	....	....	4	....	....	....	....	0.035	0.9	....	
Hellevoetsluis	29.91	759.7	29.91	759.7	50.2	10.1	57	n.	....	....	3	....	....	....	....	0	0	....	
Utrecht	29.85	758.2	29.90	759.4	46.9	8.3	58	ne.	....	....	3	....	6	....	....	0.063	1.6	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.86	758.4	....	....	76.6	24.8	87	sw.	0	0	....	....	9	....	....	0.020	0.5	....	Lt. J. J. Ropman, R.D.N
NORWEGIAN.																			
Bergen	30.08	764.1	30.15	765.7	49.3	9.6	31	wnw.	2	1	....	....	0	....	....	0	0	....	
Brono	30.11	764.9	30.15	765.9	43.0	6.1	83	sw.	....	....	6	....	10	....	....	0	0	....	
Christiania	30.04	763.0	30.19	766.7	53.6	12.0	39	e.	9	4	....	....	0	....	....	0	0	....	
Gjæsvær	29.77	756.1	29.79	756.7	41.4	5.2	....	sw.	....	....	9	....	10	....	....	0.087	2.2	....	
PORTUGUESE.																			
Funchal, Madeira	29.95	760.6	30.04	762.9	64.9	18.3	78	sse.	2.5	1.1	....	....	10	....	....	0	0	....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.59	751.5	29.92	760.0	59.9	15.5	79	ssw.	7.4	3.3	....	....	9	....	....	0.642	16.3	....	The Staff.
Ponta Delgada, Azores	29.54	750.2	29.61	752.0	64.4	18.0	82	sw.	29.8	13.3	....	....	3	....	....	0.063	1.6	....	
Saint Paul de Loando	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
St. Vincent, Cape Verd Ids.	30.00	762.1	30.01	763.0	69.3	20.7	69	ene.	....	....	4	....	9	....	....	0	0	....	
San Salvador, Congo	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Serra da Estrella	25.12	638.1	29.89	759.1	42.3	5.7	100	wsw.	6.3	2.8	....	....	10	....	....	1.327	33.7	foggy	
RUSSIAN.																			
Akmolinski	28.55	725.2	29.68	753.8	24.6	— 4.1	100	wnw.	11	5	....	....	10 n	....	....	0.008	0.2	snowing	Major K. Lasarew.
Archangel	30.19	766.8	30.21	767.3	24.8	— 4.0	75	se.	13	6	....	....	10	....	....	0	0	light clouds	Capt. Ssellwerstow
Ashurada	30.28	769.1	30.19	766.7	67.8	19.9	81	w.	20	9	....	....	9 k	....	....	0.063	1.6	....	
Astrakhan	30.29	769.3	30.21	767.4	54.1	12.3	29	e.	4	2	....	0	4 s;hz	....	....	0	0	light haze	Capt. Wiskanow.
Baku	30.24	768.2	30.20	767.0	48.6	9.2	86	calm	0	0	....	0	7 ks	....	....	....	....	....	
Barnaul	29.33	745.0	29.87	758.6	14.7	— 9.6	74	s.	9	4	....	....	7 s	....	....	0.091	2.3	....	Meteorological Office.
Bieloserk	29.82	757.3	30.30	769.5	45.0	7.2	69	ese.	4	2	....	8cs	0	....	....	0	0	....	
Dorpat	30.11	764.9	30.36	771.2	50.5	10.3	73	e.	7	3	....	0	0	....	....	0	0	....	Rosenthal.
Ekaterinburg	29.07	738.4	30.10	764.5	20.1	— 6.6	42	nw.	13	6	....	0	0	....	....	blank	blank	....	Meteorological Obs'y.
Elissawetgrad	29.65	753.1	30.11	764.8	43.0	6.1	79	ese.	16	7	....	....	10 s;n	....	....	map.	map.	....	
Kasalinsk	29.79	756.7	29.97	761.2	44.2	6.8	41	nw.	4	2	....	....	....	....	....	....	....	....	Buthkewitsch.
Kasan	30.06	763.4	30.34	770.7	28.0	— 2.2	49	ne.	2	1	....	10 ck;cs	0	....	....	0	0	....	Observatory.
Kem	30.08	764.0	30.13	765.3	34.9	1.6	78	se.	9	4	....	....	10 ks	....	....	0.063	1.6	h'vy clouds	
Kertch	29.92	760.0	29.95	760.6	48.7	9.3	78	ne.	4	2	....	....	9 n	....	....	0	0	....	Lagorio & Sastyrea.
Kieff	29.49	749.0	30.14	765.6	43.2	6.2	53	ene.	9	4	....	....	10ks;n	....	....	0.055	1.4	....	Observatory.
Koslov	29.81	757.2	30.34	770.6	30.1	2.3	68	ene.	2	1	....	5 c	0	....	....	0	0	....	
Lgov	29.74	755.5	30.36	771.1	36.0	2.2	80	e.	13	6	....	....	7	....	....	blank	blank	....	R. J. Ssawéljew, Eng'r.
Libau	30.23	767.9	30.26	768.5	45.0	7.2	61	ese.	13	6	....	....	2	....	....	0	0	....	E. Quass.
Lugan	29.95	760.7	30.16	766.0	42.6	5.9	75	e.	18	8	....	....	10	....	....	0	0	....	Meteorological Obs'y.
Moscow	29.85	758.3	30.34	770.7	47.8	8.8	32	calm	0	0	....	0	0	....	....	0	0	....	Meteorological Obs'y.
Nertschinsk	27.46	697.5	29.74	755.5	43.5	6.4	30	calm	0	0	....	....	8	....	....	0	0	light clouds	
Nikolaiev	29.90	759.4	29.97	761.2	41.9	5.5	86	ene.	22	10	....	....	10 kn	....	....	0.201	5.1	....	Capt. Kurdakow.

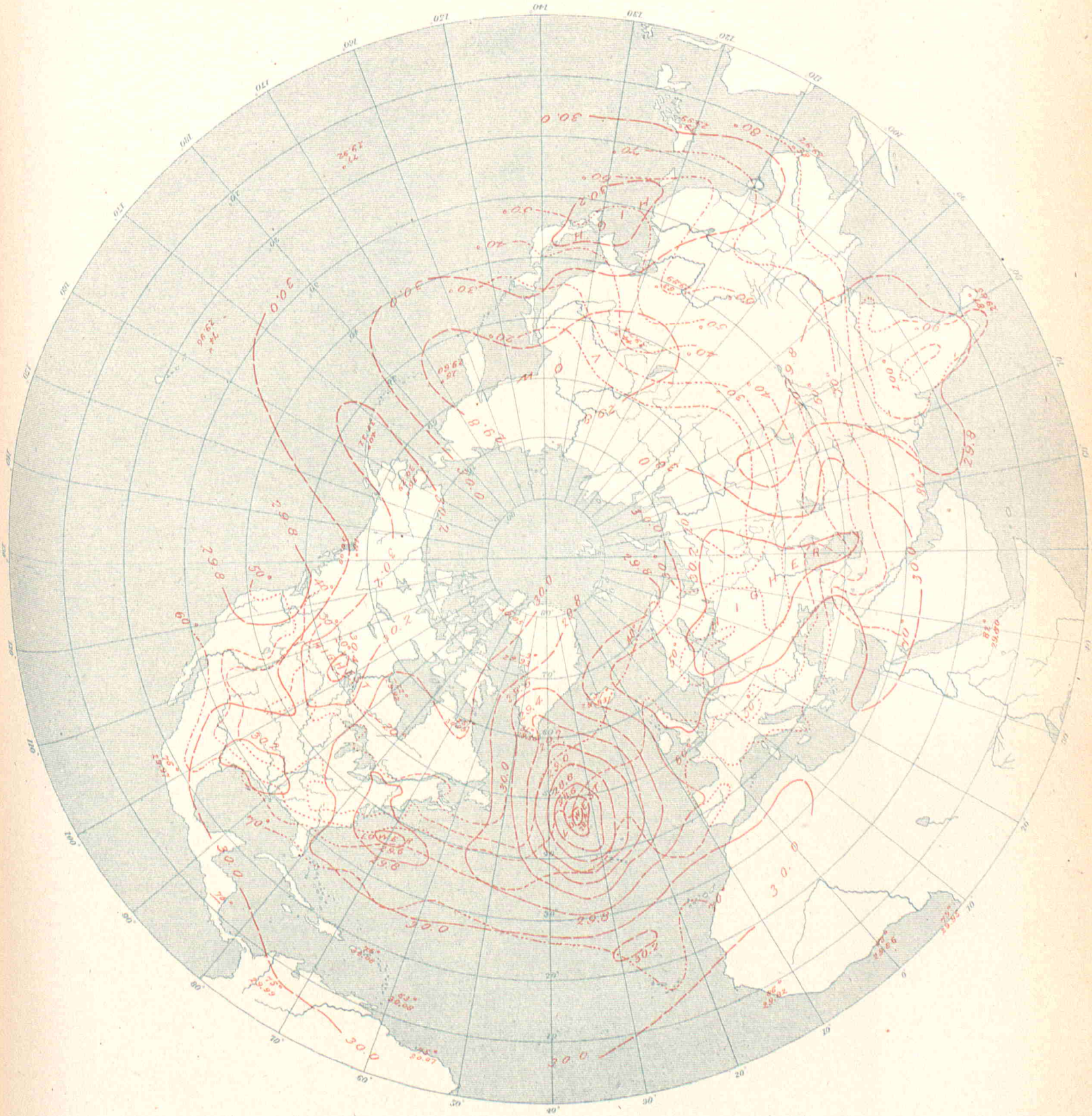
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mus. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaiewsk-on-the-Amoor.	29.74	755.4	29.83	757.6	17.6	— 8.0	91	calm	0	0	.....	0	2 s	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.75	755.7	29.89	759 3	63.0	17.2	37	s.	4	2	.....	0	6 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.70	754.3	30.05	763.3	55.9	13.3	14	n.	3.4	1.5	.....	0	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.02	762.5	30.22	767.6	42.3	5.7	66	se.	9	4	.....	0	3 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.68	753.9	30.19	766.9	41.7	5.4	65	ese.	22	10	.....	.....	10 s	.....	.....	0	0	.....	
Poti	29.94	760.5	29.97	761.3	75.7	24.3	63	e.	4	2	.....	.....	0	.....	.....	0	0	.....	
St. Petersburg	30.34	770.6	30.36	771.2	45.7	7.6	55	wnw.	7	3	.....	1 cs	0	.....	.....	0	0	light clouds	Central Physical Obs'y.
Samarkand	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.21	742.0	29.91	759.7	22.5	— 5.3	76	calm	0	0	.....	.....	10	.....	.....	inap.	inap.	.....	Major Lasarew
Sevastopol	29.60	751.8	29.81	757.2	55.8	13.2	61	wnw.	16	7	.....	0	7 s	.....	.....	0.028	0.7	.....	
Staroi Bykhov	29.70	754.3	30.27	768.8	44.6	7.0	62	ne.	13	6	.....	0	1 k	.....	.....	0	0	light clouds	Carl Hagen.
Tashkend, Laboratory	28.33	719.6	30.00	762.1	53.2	11.8	93	nw.	4	2	.....	.....	10 n	.....	.....	.....	.....	h'vy clouds.	Terch, A. M.
Tiflis	28.68	728.4	30.08	764.1	62.6	17.0	34	se.	4	2	.....	0	2 k	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.28	692.9	29.78	756.3	49.3	9.6	82	e.	2	1	.....	.....	10 n	.....	.....	.....	.....	raining	Larionow.
Viatka	29.67	753.6	30.35	770.8	19.9	— 6.7	48	nw.	4	2	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	29.80	757.0	29.87	758.7	32.9	0.5	84	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.62	752 3	30.05	763.3	44.1	6.7	74	ese.	16	7	.....	.....	10 n	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.56	750.9	29.87	758.7	16.3	— 8.7	61	w.	2	1	.....	.....	3	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.46	748.3	30.28	769.1	50.9	10.5	45	wnw.	1.2	0.5	.....	1	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.72	754 9	29.83	757.7	59.5	15.3	82	w.	.....	.....	.....	6 ck	0	.....	.....	0.012	0.3	misty	B. Jelin.
Bilbao, Met. Obs'y	29.80	757.0	29.86	758.5	68.7	20.4	44	se.	1.1	0.5	.....	2	2	nw.	.....	0	0	cloudy	Angel de Uralde.
Burgos, Met. Obs'y	26.90	683.2	29.86	758.5	52.7	11.5	86	nw.	2.5	1.1	.....	.....	9	.....	.....	0.047	1.2	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.63	701.9	29.82	757.3	64.0	17.8	59	w.	2.5	1.1	.....	0	6	.....	.....	0.043	1.1	cloudy	The Staff.
Murcia, Met. Obs'y	29.69	754.1	29.84	758.0	67.6	19.8	70	wnw.	4.5	2.0	.....	4	5	se.	.....	inap	inap.	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.89	733.7	29.76	756.0	64.2	17.9	66	sw.	1.3	0.6	.....	.....	10	.....	.....	0.043	1.1	covered	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.00	761 9	30.06	763.6	70.1	21.2	86	e.	1.3	0.6	.....	0	k	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.93	760 3	29.99	761.7	79.0	26.1	60	e.	7.7	3.4	.....	1 cs	ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.87	758.6	29.97	761.1	62.4	16.9	84	w.	9.8	4.4	.....	0	7	.....	w.	0.055	1.4	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.99	761.8	30.08	764.1	75.9	24.4	89	calm	0	0	.....	5 s	0	.....	.....	0	0	.....	Enrique Gaden, Chf Eng
Swedish.																			
Hapsaranda	30.08	764.1	30.12	765.1	36.1	2.3	87	s.	.....	.....	2	.....	9	.....	.....	0	0	.....	
Umea	30.18	766.5	30.23	767.8	39.9	4.4	80	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Hernosand	30.13	765 2	30.18	766.5	52.5	11.4	46	ssw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Stockholm	30.10	764.4	30.27	768.9	46.0	7.8	61	se.	.....	.....	2	.....	0	.....	.....	9	0	.....	
Wisby	30.17	766.2	30.22	767.7	46.0	7.8	59	sse.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.15	765.7	30.23	767.9	52.2	11.2	57	s.	8.9	4.0	.....	.....	0	.....	.....	0	0	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.38	720.9	29.81	757.2	54.5	12.5	49	n.	.....	.....	1	.....	7	.....	.....	0	0	cloudy	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.84	757.8	61.0	16.1	56	sw.	13	6.0	.....	.....	10	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.97?	761.1?	67.3	19.6	.....	sw.	.....	.....	2	.....	5	.....	.....	1.57	40.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.03	762.8	68.4	20.2	68	ne.	.....	.....	2	3 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir?
United States.																			
Albany, New York	29.73	755.1	29.81	757.2	43.8	6.6	77	s.	2	0.9	.....	.....	10 n	.....	s.	0.01	0.3	light rain	J. O. Barnes.
Alpena, Michigan	29.19	741.4	29.88	758.9	34	1.1	79	nw.	5	2.2	.....	.....	10 s	.....	nw.	inap.	inap.	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24 98	634.5	29.90	759.4	34.7	1.5	80	e.	2	0.9	.....	0	3 s	.....	.....	0	0	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.34	694.4	30.25	768.3	27.4	— 2 6	92	ne.	17	7.6	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.89	733.8	30.08	764.0	36.5	2.5	54	nw.	9	4.0	.....	0	0	.....	.....	0	0	clear	S. W. Beall
Atlantic City, New Jersey	29.59	751.6	29.60	751.8	43.0	6.1	93	e.	20	8.9	.....	.....	10 ks	.....	e.	0.52	13.2	cloudy	B.A.Blundon.
Augusta, Georgia	29.88	758.9	30.07	763.8	48.5	9.2	43	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	29.67	753.6	29.72	754.9	37.5	3.1	92	n.	6	2.7	.....	.....	10 n	.....	nw.	0.64	16.3	light snow	Geo. W. Felger.
Barnegat City, New Jersey	29.64	752.8	29.66	753 4	41.8	5.4	87	e.	28	12.5	.....	.....	10 n	.....	e.	0.06	1.5	light rain	J.P.Sherry.
Bennett, Fort, Dakota	28.63	727.2	30.27	768.8	29.8	— 1.2	87	ne.	10	4.5	.....	.....	10 n	.....	.....	0.01	0.3	light snow	A. Pritchard.
Benton, Fort, Montana	27.39	695.7	30.25	768 3	30.1	— 1.1	86	nw.	9	4.0	.....	0	2 s	.....	sw.	0	0	clear	C.S.Bennett.
Bismarck, Dakota	28.41	721.6	30.29	769.4	26.5	— 3.1	88	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.79	756.7	29.82	757.4	38.4	3.6	88	ne.	19	8.5	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	J. T. Elker.
Boise City, Idaho	26.99	685.5	29.83	757.7	51.7	10.9	52	w.	3	1.3	.....	0	9 s	.....	se.	0	0	cloudy	James Kenealy.
Boston, Massachusetts	29.71	754.6	29.87	758.7	35.0	1.7	100	e.	10	4.5	.....	.....	10 s	.....	e.	0.02	0.5	cloudy	O. B. Cole.
Brownsville, Texas	30.06	763.5	30.12	765.0	62.8	17.1	93	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.02	737.1	29.79	756.7	30.1	— 1.1	95	s.	2	0.9	.....	.....	10 s	.....	.....	0.22	5.6	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.25	717.5	30.35	770.9	25.8	— 3.4	88	ne.	8	3.6	.....	0	5 s	.....	.....	inap.	inap.	fair	A. Schneider.
Cairo, Illinois	29.72	754.9	30.13	765.3	43.0	6.1	68	nw.	14	6.3	.....	0	8 ks	.....	nw.	inap.	inap.	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.55	750.6	29.75	755.6	47.2	8.4	94	n.	2	0.9	.....	.....	fg.	.....	.....	0.02	0.5	dense fog	J.H.Young.
Cape Henry, Virginia	29.71	754 6	29.73	755.1	44.0	6.7	83	w.	24	10.7	.....	.....	10 s	.....	.....	0	0	cloudy	A. K. Alderson.
Cape May, New Jersey	29.55	750.6	29.58	751.3	45.0	7.2	100	e.	18	8.0	.....	.....	10 s	.....	.....	0.30	7.6	cloudy	W.E.Smith.
Cape Mendocino, California	29.01	736.8	29.70	754.4	50.3	10.2	94	se.	6	2.7	.....	.....	10 n	.....	.....	0.59	15.0	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.03	762 7	30.05	763.3	65.2	18.4	73	w.	15	6.7	.....	2 ck	0	sw.	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.88	758.9	29.94	760.5	53.8	12.1	47	nw.	14	6.3	.....	3 ck	5 ks	nw.	nw.	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.12	739.6	29.98	761 5	41.0	5.0	31	nw.	9	4.0	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.28	743.7	30.11	764.8	37.5	3.1	61	w.	2	0.9	.....	1 cs	sk.	.....	.....	0.02	0.5	clear	B. L. Goulding.
Cheyenne, Wyoming	23.97	608.8	29.99	761.7	34.1	1.2	52	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.24	742.7	29.97	761.2	35.2	1.8	84	nw.	4	1.8	.....	.....	10 n	.....	nw.	inap.	inap.	light snow	T.B.Jennings.
Chincoteague, Virginia	29.83	752.6	29.65	753.1	42.8	6.0	78	nw.	12	5.4	.....	0	7 s	.....	w.	0.01	0.3	fair	C. F. Dickens.
Cincinnati, Ohio	29.28	743.7	29.95	760 7	36.0	2.2	79	w.	9	4.0	.....	.....	10 s	.....	nw.	0.04	1.0	cloudy	L. Dunne.
Cleveland, Ohio	29.05	737.9	29.81	757.2	31.0	— 0.6	84	sw.	8	3.6	.....	.....	9 s	.....	sw.	0.25	6.3	cloudy	W. Line.
Columbus, Ohio	28.97	735.8	29.84	757.9	33.5	0.8	78	s.	4	1.8	.....	.....	10 s	.....	s.	0.04	1.0	cloudy	F.T. Williams.
Concho, Fort, Texas	28.29	718.6	30.23	767.8	37.1	2.8	92	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	C. E. King.
Custer, Fort, Montana	27.02	686.3	30.20	767.1	28	— 2.2	88	ne.	3	1.3	.....	hz.	0	.....	.....	0	0	clear	W.J.Daily.
Davenport, Iowa	29.35	745 5	30.02	762.5	36.5	2.5	74	nw.	6	2.7	.....	.....	10 s	.....	nw.	inap.	inap.	cloudy	R. R. Martin.
Davis, Fort, Texas	25.25	641.3	30.03	762.7	41.4	5.2	92	ne.	3	1.3	.....	.....	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty	28.03	711.9	29.79	756.7	51.4	10.8	58	e.	8	3.6	.....	7 cs	3 s	e.	e.	0	0	cloudy	H.S.Blandford.
Deadwood, Dakota	25.49	647.4	30.18	766.6	25.0	— 3.9	88	se.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	G.Kingsbury.
Delaware Breakwater, Del	29.57	751.1	29.59	751.6	43.8	6.6	100	se.	1	0.4	.....	.....	10 s	.....	se.	0.48	12.2	cloudy	G.A.Martin.
Denver, Colorado	24.71	627 6	29.98	761.5	36.2	2.3	56	s.	10	4.5	.....	1 c	0	.....	.....	inap.	inap.	clear	F. M. Neal.
Des Moines, Iowa	29.17	740.9	30.10	764.5	33.6	0.9	93	nw.	5	2.2	.....	.....	0	.....	.....	0.01	0.3	clear	F. W. Conrad.
Detroit, Michigan	29.14	740.1	29.87	758.7	37.0	2.8	89	n.	2	0.9	.....	.....	10 s	.....	.....	c.20	5.1	cloudy	N.B.Conger.
Dodge City, Kansas	27.40	695.9	30.04	763.0	37.2	2.9	51	s.	5	2.2	.....	0	0	.....	.....	0	0	clear	J.E.Lamouette.
Dubuque, Iowa	29.29	744.0	30.02	762.5	37.3	2.9	75	nw.	2	0.9	.....	.....	10 ks	.....	nw.	inap.	inap.	cloudy	A.W.Browne.
Duluth, Minnesota	29.28	743.7	30.05	763.3	30.4	— 0.9	90	nw.	12	5.4	.....	.....	10 n	.....	.....	inap.	inap.	light snow	E.R.Brace.
Eastport, Maine	29.84	757.9	29.92	760.0	33.4	0.8	94	ne.	5	2.2	.....	.....	fg.	.....	ne.	0.04	1.0	dense fog	D. C. Murphy.
Elliott, Fort, Texas	27.32	693.9	30.10	764.5	38	3.3	60	s.	10	4.5	.....	0	0	.....	.....	0	0	clear	J. G. Rickli.
El Paso, Texas	26.29	667.8	30.03	762.7	51.4	10.8	60	e.	4	1.8	.....	2 cs	3 s	w.	.....	0	0	fair	F. Belford.
Erie, Pennsylvania	29.06	738.1	29.81	757.2	35.0	1.7	89	w.	8	3.6	.....	.....	10 n	.....	.....	0.16	4.1	light snow	P. Wood.
Escanaba, Michigan	29.27	743 4	29.96	761.0	29.0	— 1.7	77	nw.	9	4.0	.....	0	8 ks	.....	nw.	0.04	1.0	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.72	754.9	30.20	767.1	36.4	2.4	80	calm	0	0	.....	0	sk.	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.18	766.6	30.22	767.6	56.0	13.3	45	ne.	18	8.0	.....	4 ck	0	w.	.....	0	0	fair	E. O'C. Macinerney
Grand Haven, Michigan	29.23	742.4	29.92	760.0	35.2	1.8	79	nw.	7	3.1	.....	.....	10 s	.....	nw.	inap.	inap.	threatening	Joseph E. Mueller.
Grant, Fort, Arizona	25.18	639.6	29.92	760.0	54.7	12.6	31	ne.	4	1.8	.....	1 ck	0	w.	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.77	756.1	29.78	756.4	53.5	11.9	79	nw.	24	10.7	.....	3 c	0	sw.	.....	inap.	inap.	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.87	657.1	30.08	764.0	36	2.2	77	nw.	6	2.7		1 cs	0			0	0	clear	S. W. Morrison.
Huron, Dakota	28.72	729.5	30.17	766.3	29.8	— 1.2	86	n.	4	1.8			9 s			0	0	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.12	739.6	29.94	760.5	34.2	1.2	77	nw.	6	2.7			10 s		nw.	0.15	3.8	cloudy	C. F. R. Wappenhans.
Indianola, Texas	30.15	765.8	30.18	766.6	61.8	16.6	60	n.	26	11.6		0	8 k		nw.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	29.97	761.2	30.01	762.2	66.5	19.2	87	sw.	6	2.7		2 cs	7 c		sw.	inap.	inap.	cloudy	J. W. Smith.
Keokuk, Iowa	29.38	746.2	30.05	763.3	36.5	2.5	82	w	5	2.2			10 s		w.	0.01	0.3	cloudy	F. Z. Gosewisch.
Key West, Florida	30.06	763.5	30.08	764.0	73	22.8	71	ne.	5	2.2		0	0			0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.72	754.9	29.74	755.4	48.2	9.0	76	nw.	20	8.9		0	2 k		nw.	0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.02	737.1	30.06	763.5	33.3	0.7	66	sw.	4	1.8		0	2 k		nw.	0.05	1.3	clear	J. A. Cody.
La Crosse, Wisconsin	29.20	741.7	30.00	762.0	31.5	1.4	73	nw.	3	1.3			10 s		nw.	0.01	0.3	cloudy	S. C. Emery.
Leavenworth, Kansas	29.23	742.4	30.14	765.5	34	1.1	80	calm	0	0		0	0			inap.	inap.	clear	C. Dill.
Lewiston, Idaho	28.97	735.8	29.82	757.4	51.6	10.9	67	ne.	1	0.4		0	0			0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.87	758 7	30.19	766.8	47.6	3.1	81	nw.	2	0.9		0	hz			0	0	clear	W. U. Simons.
Los Angeles, California	29.58	751.3	29.98	761.5	56.0	13.3	93	se.	6	2.7			10 s		se.	0.04	1.0	cloudy	T. S. Collins
Louisville, Kentucky	29.43	747.5	30.00	762.0	40.0	4.4	54	sw.	6	2.7		0	5 s		nw.	inap.	inap.	fair	E. B. Garriott.
Lynchburg, Virginia	29.14	740.1	29.85	758.2	40.0	4.4	65	nw.	8	3.6		0	1 k		nw.	0.22	5.6	clear	Jno. Healy.
Mackinaw City, Michigan	29.25	742.9	29.93	760.2	32.2	0.1	78	w.	3	1.3		0	5 s		w.	0	0	fair	D. B. Notson.
Macon, Fort, North Carolina	29.83	757.7	29.84	757.9	51.5	10.8	59	nw.	26	11.6		0	hz.			0	0	clear	William Daly.
Maginnis, Fort, Montana	25.74	653.8	30.24	768.1	30.4	— 0.9	52	nw.	14	6.3			10 s		nw.	0	0	cloudy	F. Burke.
Marquette, Michigan	29.24	742.7	29.99	761.7	28.5	— 1.9	80	nw.	12	5.4		0	7 k		nw.	0	0	fair	J. Gilligan.
Memphis, Tennessee	29.81	757.2	30.15	765.8	46.5	8.1	62	w.	1	0.4		0	0			0	0	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.20	741.7	29.97	761.2	33.5	0.8	80	n.	9	4.0			10 s		n.	inap.	inap.	cloudy	S. W. Rhodes.
Mobile, Alabama	30.13	765.3	30.17	766.3	49.8	9.9	55	ne.	8	3.6		0	hz.			0.01	0.3	clear	H. U. Jones.
Montgomery, Alabama	29.93	760.2	30.16	766.1	44.2	6.8	55	n.	5	2.2		0	0			0	0	clear	S. M. Leitzell.
Moorhead, Minnesota	29.12	739.6	30.15	765.8	29.0	— 1.7	83	n.	11	4.9			10 n			inap.	inap.	light snow	L. M. Dey.
Montgomery, Alabama	29.49	596 6	29.90	759.4	23.5	— 5.0	100	ne.	7	3.1			fg.		ne.	0.01	0.3	dense fog	E. A. Beals.
Mt. Washington, N. H	29.49	749.0	30.07	763 8	37.0	2.8	72	w.	10	4.5			10 ks		w.	inap.	inap.	cloudy	L. N. Jesunofsky
Nashville, Tennessee	29.68	753.9	29.80	750.9	39.1	3.9	93	ne.	7	3.1			10 s		ne.	0.11	2.8	cloudy	J. H. Sherman.
New Haven, Connecticut	29.77	756 1	29.82	757.4	39.3	4.1	100	ne.	8	3.6			10 n		e.	0.18	4.6	light rain	J. G. Lynch.
New London, Connecticut	30.12	765.0	30.18	766.6	55.0	12.8	46	n.	12	5.4		0	0			0.01	0.3	clear	M. Herman.
New Orleans, Louisiana	29.60	751.8	29.78	756.4	39.4	4.1	87	e.	8	3.6			10s; fg			0.21	5.3	threatening	W. Finn.
New York, New York	29.69	754.1	29.72	754.9	47.0	8.3	74	nw.	6	2.7			10 ks		nw.	inap.	inap.	cloudy	Wm. Davis.
Norfolk, Virginia	27.01	686 0	29.97	761.2	33.1	0.6	74	calm	0	0		0	0			inap.	inap.	clear	E. F. Brady.
North Platte, Nebraska	29.72	754.9	29.76	755.9	45.0	7.2	93	calm	0	0		0	0			0	0	clear	J. Dascomb
Olympia, Washington T'y	28.93	734.8	30.14	765.5	33.4	0.8	80	calm	0	0		0	4 k		nw.	0	0	fair	A. Pollak
Omaha, Nebraska	29.44	747.8	29.78	756.4	37.0	2.8	89	n.	2	0.9			fg.		n.	0.02	0.5	dense fog	J. G. Linsley.
Oswego, New York	29.69	754.1	30.25	768.3	41.2	5.1	72	n.	8	3.6		0	2 s			0	0	clear	P. T. Jenkins.
Palestine, Texas	30.11	764.8	30.14	765 5	52.3	11.3	57	n	6	2.7		0	hz.			0.01	0.3	clear	M. McGauran.
Pensacola, Florida	29.59	751.6	29.72	754.9	34	3.3	100	ne.	13	5.8			10 n		ne.	0.09	2.3	light rain	T. F. Townsend.
Philadelphia, Pa	17.80	452.1	30.08	764.0	11.0	—11.7	73	nw.	36	16.1		7 cs	0	w.		0	0	fair	H. Hall.
Pike's Peak, Colorado	29.00	736.6	29.83	757.7	33.8	1.0	79	w.	10	4.5			10 s		w.	0.04	1.0	cloudy	O. D. Stewart.
Pittsburg, Pennsylvania					33.7	0.9	84					5 k	1 s			0	0	fair	Geo. A. Carden.
Poplar River, Montana	29.10	739.1	29.80	756.9	32.0	0.0	88	n.	4	1.8			10 s			0	0	cloudy	M. H. Perry
Port Huron, Michigan	29.84	757.9	29.90	759.4	39.7	4.3	79	e.	9	4.0			10s; sk		e.	0	0	cloudy	W. W. Eichelberger.
Portland, Maine	29.65	753.1	29.72	754.9	51.6	10.9	86	calm	0	0		0	3 s			0	0	clear	M. L. Hearne.
Portland, Oregon	24.68	626.9	29.95	760.7	40.0	4.4	86	calm	0	0		2 ck	5 s	s.		0	0	fair	J. Glover.
Prescott, Arizona																			C. N. Kitchel.
Provincetown, Mass	29.40	746.7	29.76	755.9	54.5	12.5	95	calm	0	0			10 n			0.51	13.0	light rain	J. R. Williams.
Red Bluff, California	29.96	761.0	30.20	767.1	63.6	17.6	78	e.	12	5.4		hz.	0			0	0	dense haze	L. G. Schultz.
Rio Grande City, Texas	29.11	739.4	29.80	756.9	36	2.2	94	w.	2	0.9			10s; sk			0.06	1.5	threatening	E. W. McGann.
Rochester, N. Y	29.17	740.9	29.73	755.1	50	10.0	89	e.	4	1.8		0	9 s		e.	0.01	0.3	threatening	J. J. Nanry.
Roseburg, Oregon	29.72	754.9	29.79	756.7	54.0	12.2	96	e.	16	7.2			10 n		s.	0.95	24.1	light rain	J. A. Barwick.
Sacramento, California	29.46	748 3	30.09	764.3	41.0	5.0	73	w.	9	4.0		0	1 s			inap.	inap.	clear	J. H. Weber.
St. Louis, Missouri	30.26	768.6	30.29	769.4	30	2.2	89	se.	18	8.0			10 n			0.04	1.0	light rain	Fred. H. Clarke.
St. Michael, Fort, Alaska	29.16	740.7	30.04	763.0	35.8	2.1	55	nw.	7	3.1			10 s		n.	0	0	cloudy	P. F. Lyons.
St. Paul, Minnesota	29.37	746.0	30.28	769.1	23.7	— 4.6	92	n.	9	4.0			9 ks		n.	inap.	inap.	cloudy	C. B. Dilley.
St. Vincent, Minnesota	25.55	649.0	29.92	760.0	49.5	9.7	43	se.	7	3.1			10 ks		sw.	0	0	cloudy	J. Craig.
Salt Lake City, Utah	29.88	758.9	29.95	760.7	53.7	12.1	88	ne.	5	2.2		0	7 s		nw.	0	0	fair	F. R. Day.
San Diego, California	29.14	740.1	29.84	757.9	33.5	0.8	83	sw.	8	3.6			10 ks		sw.	0.20	5.1	cloudy	B. F. Hough.
Sandusky, Ohio	29.73	755.1	29.76	755.9	41.6	5.3	90	e.	24	10.7			10 n		e.	0.29	7.4	light rain	V. P. Chappel.
Sandy Hook, New Jersey	29.95	760.7	30.00	762.0	67.5	19.7	81	sw.	4	1.8		0	fg.			0	0	clear	J. B. Marbury
Sanford, Florida	29.71	754 6	29.78	756.4	55.8	13.2	92	se.	6	2.7			10 s		s.	1.18	30.0	threatening	N. Gorom.
San Francisco, California	29.93	760 2	30.02	762.5	54	12.2	46	nw.	8	3.6		3 ck	0	w.		0.07	1.8	clear	H. W. Ford.
Savannah, Georgia	20.57	074.9	30.24	768.1	31.5	— 0.3	85	nw.	5	2.2			10 s			0	0	cloudy	A. L. Mathews.
Shaw, Fort, Montana	30.02	762.5	30.26	768.6	44.1	6.7	60	ne.	1	0.4		0	0			0	0	clear	E. N. Meekins.
Shreveport, Louisiana	29.94	760.5	30.00	762.0	48.0	8.9	28	ne.	28	12.5		0	0			0	0	clear	F. W. Fickett.
Sitka, Alaska	29.84	757.9	29.88	758.9	53.9	12.2	52	nw.	10	4.5		1 c	0			0	0	clear	O. Parker.
Smithville, North Carolina	27.76	705.1	29.82	757.4	43.8	6.6	73	ne.	4	1.8		0	7 k		sw.	0	0	fair	D. Moore.
Spokane Falls, Wash. Ter.	29.37	746.0	30.07	763.8	43.0	6.1	79	nw.	4	1.8			10 s		nw.	0.04	1.0	cloudy	W. Norrington.
Springfield, Illinois	27.10	688.3	30.13	765.3	44.3	6.8	76	calm	0	0		0	7 s			0	0	fair	J. W. Byram.
Stockton, Fort, Texas	29.64	752.8	29.73	755.1	48.0	8.9	93	sw.	16	7.2			10 s		sw.	0	0	cloudy	R. Connor.
Tatoosh Id., Wash. Ter	27.16	689.9	29.89	759.2	48.5	9.2	80	calm			0	4 ck	1 s			0	0	fair	R. C. Lord.
Thomas, Camp, Arizona	29.12	739.6	29.82	757.4	36	2.2	89	w.	2	0.9			10 n			0.43	10.9	heavy snow	A. Buell.
Toledo, Ohio	30.29	709.4	30.31	769.9	40	4.4	89	s.	6	2.7			10 s			0.24	6.1	cloudy	Samuel Applegate
Unalashka, Alaska	29.98	761.5	30.24	768.1	47.5	8.6	50	calm	0	0		0	hz.			0	0	clear	F. W. Mixer.
Vicksburg, Mississippi	29.62	752.3	29.74	755.4	34.3	1.3	96	nw.	14	6.3			10 n			0.58	14.7	heavy snow	T. B. Harrison.
Washington, D. C	26.04	661.4	29.99	761.7	27.3	— 2.6	78	w.	7	3.1		0	0			0	0	clear	F. H. Brandenburg.
West Las Animas, Colorado	29.82	757.4	29.88	758.9	54.0	12.2	55	nw.	9	4.0		0	0			0	0	clear	L. H. Albrecht.
Wilmington, N Carolina	28.87	733.3	30.21	767.3	29.6	— 1.3	70	ne.	3	1.3		10 c	0			0	0	cloudy	E. H. Thompson.
Yankton, Dakota	29.70	754.4	29.85	758.2	57.8	14.3	64	calm	0	0		2 cs	0	nw.		0	0	clear	W. S Delano.
Yuma, Arizona																			
Sub-series.																			
Behring Island, Kamchatka	29.58	751.3	29.60	751.8	15.5	— 9.2		calm	0	0		0	4k; s			inap.	inap.	fair	George Oherulck.
Bluefields, Nicaragua, C. A					82	27.8		ne.			1	2 c	2 k		ne.	0	0	fair	W. F. Jackson.
Bogota, U. S. C	22.06	560.4			50.3	13.5	87	nw.	2	1			9 pk		n.	0.020	0.5	fair	Joaquin Gomez.
Chimo, Fort, Ungava	29.88	758.9	30.03	762.7	15	— 9.4	100	n.	9	4.0			10 n		nw.			light snow	L. M. Turner.
Kingston, Jamaica, W. I			30.08	764.0	74	23.3	81	calm	0	0		0	6 s		e.	0	0	fair	Robert Johnstone.
Paramaribo, S. A	30.06	763.5	30.07	763.8	75	23.9	90	se.			4		10 n	se.	se.	1.600	40.6	rainy	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.43	747.5	29.99	761.7	75	23.9	94	n.			1		10 ks		s.	1.78	45.2	raining	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	29.90?	759.4?	30.00?	763.5?	76	24.4	83	ne.			1	6 cs	2 ks		ne.	0	0	fair	Earl Flint.
York Factory, B. A	29.85	758.2	29.92	760.0	—22.0	—30.0		n.	9	4.0		2 c	0	n.		0.01	0.3		Fortescue & Wood.
U. S. OF COLOMBIA.																			
(Sub series).																			
Colon																			P. Fasiani.
Nuôs, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Arizona, N. 42° 38′, W. 44° 16′	29.31	744.5	48	8.9	.....	nnw.	.....	.....	6–7	.....	10	.....	n.	0	0	high	cross	squally.
S. S. Alvo, Jacmel, Hayti, W. I *.	30.02	762.5	78	25.6	.....	s.	.....	.....	2	.....	6	.....	calm	1 h'r	1 h'r	long	.....	d. clouds.
S. S. Alps, Aguadilla, Porto Rico, W.I*†	30.02	762.5	82	27.8	.....	se.	.....	.....	1	.....	2	.....	se.	0	0	chop	n.	clear.
S. S. Alsa, Port Limon, Costa Rica, C. A	.....	.....	79.8	26.6	89	ne	.....	.....	1	.....	2	.....	nne.	0	0	sm'h	.....	hazy.
S. S. Abyssinia. N. 47° 57′, W. 29° 31′ *†	28.79	731.3	57	13.9	94	ssw.	.....	.....	5	.....	1	.....	w	4 h'r	4 h'r	h'vy	w	hazy.
S. S. Assyrian Monarch, N. 42° 15′, W. 53° 59′†	29.78	756.4	.....	.....	.....	nnw.	.....	.....	5	.....	8	.....	nnw.	8 h'r	8 h'r	h'vy	n.	dull.
S. S. Bohemia, N. 44° 58′, W. 31° 46′	.....	.....	.....	.....	.....	sw;nw.	.....	.....	6–7	.....	10	.....	sw;nw.	5 h'r	5 h'r	h'vy	var.	raining.
S. S. Britannic, N. 42° 00′, W. 46° 10′ *†	29.60	751.8	46	7.8	.....	n.	.....	.....	6	.....	8	.....	nw.	4 h'r	4 h'r	high	nw.	showery.
S. S. City of Washington, N. 22° 58′, W. 84° 57′*†	30.05	763 3	80	26.7	.....	n.	.....	.....	2	.....	5	.....	n	0	0	.....	.....	fine.
Bk. C. S. Bushnell, N. 38° 11′, W. 10° 00′	29.93	760.2	.....	.....	.....	var.	.....	.....	2	.....	2	.....	wsw.	0	0	long	wsw.	d. clouds.
S. S. Circassian, N. 47° 30′, W. 36° 50′	28.61	726.7	48	8.9	92	nw.	.....	.....	9	.....	8	.....	nw.	.....	.....	8	nw.	overcast
S. S. Denmark, N. 45° 24′, W. 32° 21′†	28.66	728.0	57	13.9	87	sw.	.....	.....	7	.....	10	calm	sw.	1 h'r	1 h'r	r'gh	cross	overcast.
S. E. B. Sutton, N. 38° 30′, W. 43° 46′ *†	29.57	751.1	58	14.4	81	wnw.	.....	.....	7	.....	8	.....	wnw.	1 h'r	1 h'r	h'vy	r'gh	cloudy.
S. S. Elbe, Fire Id, N. Y.	29.73	755.1	.....	.....	.....	e	.....	.....	5	.....	9	.....	e.	0	0	mod.	e.	cloudy.
S. S. Eider, N. 49° 03′, W. 20° 14′	.....	.....	52.7	11.5	.....	ssw.	.....	.....	6	.....	10	.....	ssw.	12 h'r	12 h'r	cross	ssw.	rain & mist.
S. S. Helvetia, N. 42° 31′, W. 41° 44′	29.18	741.2	52	11.1	86	wnw.	.....	.....	6	.....	8	.....	nnw.	2 h'r	2 h'r	h'vy	nw.	cloudy.
Bk. Heinrich & Tonio, N. 37° 46′, W. 69° 07′ †..	29.58	751.3	59	15.0	82	ne.	.....	.....	0–1	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Lord Clive, N. 50° 52′, W. 15° 13′	.....	.....	.....	.....	.....	sse.	.....	.....	5	.....	10	.....	.....	.....	.....	mod.	nnw.	misty.
Bg. L. & W. Armstrong, N. 31° 10′, W. 69° 05′ *†	29.98	761.5	.....	.....	.....	sw.	.....	.....	5	.....	1	.....	sw.	0	0	mod.	cross	fine.
S. S. Lone Star, N. 26° 18′, W. 79° 52′*†	30.08	764.0	70	21.1	.....	nw.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	hazy.
S. S. Llandaff City, N. 40° 26′, W. 53° 58′	.....	.....	56	13.3	.....	nw.	.....	.....	2	.....	2	.....	.....	rain	rain	sm'h	.....	clear.
Schr. Maggie Abbott, N. 36° 40′, W. 71° 00′*†	29.55	750.6	.....	.....	.....	wsw.	.....	.....	0–1	.....	5	.....	nw.	hv'y	hv'y	.....	.....	cloudy.
S. S. Madrid, N. 36° 50′, W. 75° 35′†	29.63	752.6	47	8.3	92	w.	.....	.....	6	.....	5	.....	w.	4 h'r	4 h'r	sm'h	se.	fair.
S. S. Main, N. 40° 36′, W. 66° 10′	29.84	757.9	51.8	11.0	.....	ne.	.....	.....	2	.....	3	.....	ne.	2 h'r	2 h'r	sm'h	ne.	fair.
S. S. Marengo, N. 42° 06′, W. 42° 52′	.....	.....	52	11.1	.....	wnw.	.....	.....	7	.....	10	.....	nw.	4 h'r	4 h'r	h'vy	nw.	stormy.
S. S. Oregon, (Br) N. 48° 30′, W. 39° 09′	28.68	728.5	50	10.0	.....	n.	.....	.....	8	.....	10	.....	n.	15½	hours	h'vy	n;e.	cloudy.
S. S. Olbers, N. 23° 31′, W. 60° 46′	.....	.....	73.5	23.1	78	ne.	.....	.....	4	.....	3	.....	ne.	.....	.....	4	nw;n	fine.
S. S. P. Caland, N. 48° 12′, W. 21° 29′	.....	.....	56 1	13.4	.....	s.	.....	.....	5–6	.....	mist	.....	.....	.....	.....	6	sw.	raining.
S. S. Rosse, N. 39° 32′, W. 72° 54′	.....	.....	54	12.2	67	e.	.....	.....	5	.....	10	.....	sw.	3 h'r	3 h'r	sm'h	.....	raining.
S. S. State of Georgia, N. 51° 03′ W. 28° 42′†	28.94	735.1	54	12.2	.....	se.	.....	.....	6	.....	10	.....	.....	8 h'r	8 h'r	con.	.....	dense fog.
Bk. Tuck Sing, N. 36° 47′, W. 73° 27′	.....	.....	.....	.....	.....	w.	.....	.....	3	.....	8	.....	w.	0	0	short	cross	fair.
S. S. Valencia, N. 32° 29′, W. 71° 52′†	29.85	758.2	69	20.6	85	ssw.	.....	.....	8	.....	8	.....	sw.	0	0	h'vy	sw.	h'vy clouds.
S. S. Vaderland, N. 44° 55′ W. 36° 30′*†	28 71	729.2	55	12.8	.....	nw.	.....	.....	9	.....	8	.....	nw.	20 h'r	20 h'r	h'vy	nw.	squally.
S. S. Wieland, N. 46° 56′, W. 34° 33′ *	28.33	719.6	60	15.6	.....	s.	.....	.....	6	.....	5	.....	ssw.	0	0	r'gh	ssw.	stormy.
S. S. Weser, N. 49° 22′, W. 19° 16′	29.48	748 8	53.6	12.0	.....	s.	.....	.....	6	.....	10	.....	ssw.	½h'r	½hr	4	s.	light rain.
S. S. Westernland, Antwerp, Belgium	29.85	758.2	54	12.2	80	ne.	.....	.....	2	.....	5	.....	ne.	0	0	.....	.....	
S. S. Waesland, Antwerp, Belgium	29.91	759.7	55	12.8	.....	n.	.....	.....	6	.....	8	.....	n.	0	0	.....	.....	cloudy.
S. S. Lessing, N. 40° 21′, W. 55° 37′	29.79	756.7	50	10.0	.....	nnw.	.....	.....	5	.....	10	.....	n.	1 h'r	1 h'r	r'gh	nnw.	cloudy.
Bk. Alpha, N. 22° 27′, W 67° 00′ *†	30.05	763.3	77	25.0	.....	e.	.....	.....	5	.....	6	.....	e.	0	0	long	nw.	fair.
Schr Adda Doane, N. 18° 55′, W. 75° 20′†	30.07	763.8	.....	.....	.....	ne.	.....	.....	2	.....	3	.....	ne.	0	0	sm'h	.....	clear
S. S. America, Baltimore, Md	29.73	755.1	43	6.1	.....	n.	.....	.....	5	.....	5?	.....	ne.	snow	snow	.....	.....	covered.?
S. S. British Princess, N. 47° 20′, W. 31° 30′†	28.66	728.0	.....	.....	.....	se.	.....	.....	6	.....	8	.....	se.	2 h'r	2 h'r	high	var	cloudy
S. S. Caracas, N. 17° 50′, W. 67° 40′*†	30.10	764.5	79	26.1	82	e.	.....	.....	6	.....	5	.....	.....	0	0	light	se.	fair
S. S. Chalmette, Algiers, La†	30.17	766.3	60	15 6	.....	nnw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Devonia, N 41° 52′, W. 53° 10′†	29.85	758.2	40	4.4	.....	nne.	.....	.....	4	.....	10	.....	nne.	0	0	long	nne.	cloudy.
S. S. Erin, N. 46° 58′, W. 63° 25′	29.95	760.7	49	9.4	.....	sse.	.....	.....	1	.....	1	.....	w.	5 h'r	5 h'r	sl't	e.	clear.
S. S. England, N. 48° 02′, W. 29° 03′	28.84	732.5	.....	.....	.....	s.	.....	.....	5	.....	8	.....	s.	0	0	hv'y	ne.	hazy.
S. S. Foscolia, N. 41° 02′ W. 26° 43′	29.18	741.2	63	17.2	.....	sw.	.....	.....	6	.....	2	.....	wsw.	3 h'r	3 h'r	cross	sw.	light haze
S. S. Grecian, Boston, Mas	29.82	757.4	37	2.8	90	e.	.....	.....	4	.....	10	.....	.....	0	0	.....	.....	foggy.
S. S. Hohenstaufen, N. 49° 29′, W. 17° 20′	29.57	751.1	55	12.8	.....	ssw.	.....	.....	6	.....	9	.....	ssw.	2 h'r	2 h'r	mod.	ssw.	hazy.
S. S. Habsburg, N. 41° 30′, W. 41° 36′	29.30	744.2	.....	.....	.....	nw.	.....	.....	8–9	.....	9	.....	nnw.	8 h'r	8 h'r	cross	nw.	cloudy.
Bk. Idaho, N. 19° 43′, W. 74° 57′*†	30.05	763.3	.....	.....	.....	nnw.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bg. Lilian, N. 20° 12′, W. 56° 13′†	30.15	765.8	.....	.....	.....	ne.	.....	.....	1	.....	3	.....	.....	0	0	sm'h	.....	clear.
S. S. Labrador, N. 48° 20′, W. 28° 49′	.....	.....	59.0	15.0	.....	s.	.....	.....	5	.....	3	.....	sse.	12 mi	nutes	large	wsw.	fair.
S. S. Muriel, St. Lucia, W. I	30.04	763.0	80	26.7	.....	e.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Pennsylvania, N. 38° 57′, W. 71° 00′†	29.73	755.1	50	10.0	100	se.	.....	.....	4	.....	7	.....	e.	0	0	sm'h	e.	fair.
S. S. Prussian, N. 48° 33′, W. 35° 01′	.....	.....	53	11.7	.....	nne.	.....	.....	6	.....	7	.....	se.	6 h'r	6 h'r	h'vy	ssw.	fair.
S. S. Samaria, N. 43° 13′, W 48° 18′*	29.62	752.3	34	1.1	.....	ene.	.....	.....	6	.....	10	.....	ne.	0	0	h'vy	nne.	overcast.
Bk. Tros, N. 25° 20′, W. 63° 57′ *†	30.06	763 5	71	21.7	.....	s.	.....	.....	2	.....	6?	.....	ene.	0	0	sm'h	nnw.	clear ?
S. Tsernogora, N. 36° 46′, W. 71° 30′	.....	.....	.....	.....	.....	n.	.....	.....	4	.....	10	.....	var.	12 h'r	12 h'r	short	wnw.	raining.
S. S. Werra, N. 41° 21′. W. 51° 50′	.....	.....	40.1?	4.5?	.....	ese.	.....	.....	6–7	.....	6	.....	nnw.	0	0	high	nnw.	squally
U. S. S. Alliance, N. 20° 10′, W. 70° 45′	30.07	763.8	77	25.0	82	ne.	.....	.....	3	.....	2	.....	s.	0	0	long	.. ..	fair.
U. S. S. Galena, Cape Haytien, Hayti, W.I*	30.00	762.0	76	24.4	86	e.	.....	.....	1	.....	2	.....	ne.	.....	.....	sm'h	.....	fair.
U. S. S. Jamestown, N. 17° 14′. W. 62° 43′	30.14	765.5	79	26.1	78	nnw.	.....	.....	3	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Kearsarge, Jaffa, Syria	30.04	763.0	66	18.9	84	wnw.	.....	.....	2	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Lancaster, N. 32° 15′, E 34° 45′	30.02	762.5	68	20.6	100	ese.	.....	.....	3	.....	8	.....	e.	.....	.....	sm'h	.....	clear.
U. S. S. Portsmouth, N. 24° 46′, W. 69° 03′	30.06	763.5	72	22.2	80	e.	.....	.....	2	.....	0	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Quinnebaug, Tripoli, Tripoli	29.57	758.7	68	20.0	79	w.	.....	.....	1	.....	2	.....	w.	h'vy	h'vy	sm'h	.....	clear.
U. S. S. Saratoga, Lisbon, Portugal	29.89	759.2	58	14.4	94	calm	.....	.....	0	.....	2	.....	calm	0	0	.....	.....	fair.
U. S. S. Swatara, Matanzas, Cuba W. I	30.04	763.0	72	22.2	95	e.	.....	.....	1	.....	2	.....	calm	.....	.....	.....	.....	hazy.
U. S. S. Vandalia, Matanzas, Cuba, W. I.	30.04	763.0	71	21.7	85	s.	.....	.....	1	.....	5?	.....	s.	.....	.....	.....	.....	fair.
U. S. S. Yantic, Port Nipe, Cuba, W. I	30.04	763.0	73	22.8	90	ssw.	.....	.....	2	.....	4	ssw.	.....	.....	.....	.....	.....	cloudy ?
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	.....	.....	70	21.1	57	sw.	.....	.....	1	.....	3	.....	.....	.....	.....	2	ssw.	d. clouds.
H. M. S. Alecto, N. 5° 33. W. 0° 04′	23.86	758.4	83	28.3	.....	ne.	.....	.....	1	.....	2	ne.	.....	.....	.....	.....	.....	d. clouds.
H. M. S Inflexible, Zante, Ionian Ids	29.96	761.0	65	18.3	94	sse.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, Phalerum Bay, Greece	29.89	759.2	66	18.9	76	wsw.	.....	.....	3	.....	1	.....	wsw.	.....	.....	2	wsw.	misty.
H. M. S. Tyne, N. 34° 53′, E. 23° 39′	30.00	762.0	60	15.6	94	sw.	.....	.....	4	.....	10	.....	.....	5 h'r	5 h'r	3	se.	blue sky
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.95	760.7	79.0	26.1	92	nnw.	.....	.....	9	.....	6	.....	nnw.	3 h'r	3 h'r	h'vy	nnw.	thnd'r st'rm.
S. S. British Crown, N. 42° 09′, W. 43° 36′†	29.33	745.0	48	8.9	.....	ene.	.....	.....	3	.....	10	.....	.....	0	0	sm'h	.....	raining.
S. S. Lord Gough, N. 40° 30′, W. 67° 41′	.....	.....	44	6.7	.....	nne.	.....	.....	2	.....	7?	.....	ne.	0	0	.....	.....	foggy
S. S. Ohio (Am), Philadelphia, Pa †	29.75	755.6	39	3.9	91	nnw.	.....	.....	7	.....	10	.....	nnw.	sh'rs	sh'rs	high	var.	clear.?
S. S. Scandinavian, N. 43° 38′, W. 44° 47′	.....	.....	41	5.0	.....	n.	.....	.....	3	.....	5	.....	wnw.	2 h'r	2 h'r	sm'h	.....	overcast.
S. S. Sardinian, N. 37° 32′, W. 73° 37′	29.62	752.3	54	12.2	.....	ssw.	.....	.....	6	.....	10	.....	ssw.	4 h'r	4 h'r	mod	w.	fair.
S. S. Dorian, N. 39° 58′, W. 21° 20′	29.59	751.6	60	15.6	.....	se.	.....	.....	3	.....	5?	.....	se.	0	0	.....	.....	overcast.
S. S. Westphalia, Hamburg, Germany	29.87	758 7	53?	11.7?	.....	sse.	.....	.....	5	.....	10	.....	s.	10 h'r	10 h'r	mod.	s.	clear.?
S. S. Moravia, N. 48° 14′, W. 23° 16′	.....	.....	50.0	10.0	.....	ene.	.....	.....	4	.....	6	.....	ne.	0	0	.....	.....	misty.
S. S. Hevelius, Antwerp, Belgium†	29.83	757.7	54	12.2	.....	ese.	.....	.....	6	.....	10	.....	ese.	2 h'r	2 h'r	r'gh	ese.	cloudy.
S. S Donau, N. 49° 14′, W. 19° 56′	29.46	748.3	.....	.....	.....	s.	.....	.....	5	.....	10	.....	.....	0	0	h'vy	s.	raining.
S. S. Baltimore, N. 47° 50′, W. 27° 51′*	28.50	734.0	57.2	14.0	.....	ese.	.....	.....	4	.....	7	.....	ese.	rain	rain	.....	.....	foggy.
S. S. City of Augusta, New York, N. Y *†	29.74	755.4	.....	.....	.....	ssw.	.....	.....	5	.....	.....	.....	sw.	0	0	h'vy	nw.	cloudy.
S. S. Belgenland, N. 47° 45′, W 24° 41′	.....	.....	54	12.2	100	nne.	.....	.....	2	.....	5	.....	ne.	0	0	.....	.....	overcast.
S. S. Pennland, Antwerp, Belgium*†	29.80	756.9	50	10.0	86	ne.	.....	.....	6	.....	9	.....	ne.	14 h'r	14 h'r	.....	.....	fair.
S. S. W. A. Scholten, New York, N. Y.	29.86	758.4	41.0	5.0	95	ne.	.....	.....	8	.....	9	.....	nnw.	6 h'r	6 h'r	hv'y	nw;w	raining.
S. S. Zaandam, N 43° 45′, W. 41° 58′	29.22	742.2	58.5?	14.7?	92	nnw.	.....	.....	4	.....	9	.....	nw.	0	0	4	wnw.	rainy
S. S. Maasdam, N. 39° 50′, W. 50° 52′*	29.66	753.4	52	11.1	86	se.	.....	.....	3	.....	10	.....	ne.	1.0	25.	.....	ne.	cloudy.
S. S. Salerno, New York, N. Y†	29.78	756.4	42	5.6	.....	se.	.....	.....	2	.....	4	.....	se.	0	0	cross	var.	overcast.
Bg. Alcira, N. 18° 18′, W. 67° 29′	30.06	763.5	80	26.7	.....	se.	.....	.....	1	.....	1	.....	.....	0	0	.....	.....	clear.
S. S. Antonio Lopez, San Juan, Porto Rico W.I	30.11	764.8	78	25.6	82	ne.	.....	.....	1	.....	2	.....	ne.	0	0	sm'h	.....	fine.
Schr. Arthur Burton, Ponce, Porto Rico, W It	30.07	763.8	.....	.....	.....	se.	.....	.....	3	.....	3	.....	s.	0	0	mod.	nw.	clear.
Schr. Annie R. Lewis, N. 20° 37′, W. 66° 35′†	30.09	764 3	80	26.7	.....	sw.	.....	.....	5	.....	2	.....	sw.	0	0	mod.	sw.	clear.
Schr. Anna A. Holton, N. 28° 54′, W. 68° 17′ *†	29.95	760.7	66	18.9	.....	ne.	.....	.....	1	.....	8	.....	.....	0	0	sm'h	.....	cloudy
Bk. Aureola, N. 24° 43′, W. 29° 56′†	30.23	767.8	78?	25.6?	73	ese.	.....	.....	4	.....	6	.....	ese.	0	0	mod.	ese.	fair.
Bgt. Achsah, N. 20° 33′, W. 64° 28′ †	30.11	764.8	78	25.6	.....													

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bk. Adelaide, N. 11° 37′, W. 51° 33′ *†	30.13	765.3	81	27.2	.....	ene.	.....	.....	5	.....	1	.....	ene.	0	0	r'gh	ene.	clear.
Schr. Abbie H. Gheen, N. 37° 00′, W. 73° 10′	.....	.....	63	17.2	.....	se.	.....	.....	5	.....	.....	.....	ene.	1 h'r	1 h'r	.....	.....	cloudy.
Schr. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	78	25.6	.....	ene.	.....	.....	4	.....	10	.....	ene.	1 h'r	1 h'r	.....	.....	cloudy.
Bk. Cato, N. 54° 12′, E. 3° 00′†	30.03	762.7	48	8.9	92	nne.	.....	.....	4	.....	1	.....	ne.	0	0	.....	.....	clear.
S. Cornelius, N. 29° 44′, W. 20° 22′*†	30.12	765.0	69.1	20.6	.....	w.	.....	.....	2	.....	3	.....	w.	0	0	long	wnw.	fair.
Bk. Diamant, N. 39° 18′, W. 49° 06′	29.69	754.2	53.6	12.0	79	nnw.	.....	.....	5	.....	7	.....	n.	4 h'r	4 h'r	5	sw.	cloudy.
S. E. J. Spicer, N. 39° 34′, W. 53° 35′	.....	.....	53	11.7	93	nnw.	.....	.....	5	.....	10	.....	n.	rain	rain	mod.	unw.	overcast.
Schr. Edith R. Seward, N. 35° 00′, W. 71° 50′	.....	.....	62	16.7	.....	wsw.	.....	.....	3	.....	7	.....	wsw.	1 h'r	1 h'r	cross	wsw.	rainy.
U. S. Fish Com. S. S. Fish Hawk, Cape Henry, Va †	29.77	756.1	45†	7.2†	.....	wsw.	.....	.....	5	.....	10	.....	sw.	0	0	mod.	sw.	cloudy.
S. Ismir, N. 10° 20′, W. 49° 10′*†	30.08	764.0	.....	.....	.....	nne.	.....	.....	6	.....	4	.....	nne.	0	0	r'gh	ne.	fine.
Bg. George, N. 30° 02′, W. 68° 18′	.....	.....	56	13.3	87	sw.	.....	.....	3	.....	2	.....	sw.	0	0	mod.	nnw.	fair.
Bk. Gloire, N. 39° 00′, W. 60° 00′	29.93	760.2	61	16.1	88	se.	.....	.....	3	.....	.....	.....	s.	8 h'r	8 h'r	long	ne.	fair
S. Grecian, N. 45° 15′, W. 25° 05′ †	29.14	740.1	78	25.6	.....	s.	.....	.....	6	.....	9	.....	w	3 h'r	3 h'r	long	w.	cloudy.
Bk. Galeon, N. 13° 06′, W. 56° 15′†	30.10	764.5	63.1	17.3	87	ene.	.....	.....	3–5	.....	4	.....	e.	0	0	.....	.....	blue sky.
S. Hedwig, N. 40° 36′, E. 18° 24′	29.88	759.0	.....	.....	.....	sse.	.....	.....	1	.....	5	.....	sse.	0	0	2	se.	
Bk. Hattie G. McFarland, N. 25° 14′, W. 86° 33′	.....	.....	75	23.9	.....	nne.	.....	.....	2	.....	3	.....	n.	0	0	sm'h	.....	fine.
S. Henry, N. 41° 51′, E. 17° 44	.....	.....	58.5	14.7	.....	ssw.	.....	.....	3	9 ck	.....	.....	.....	.....	.....	4	wnw.	cloudy.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	84	28.9	.....	wnw.	.....	.....	2	.....	5	.....	nw.	4 h'r	4 h'r	.....	.....	fair.
Schr Jennie N. Huddell, Philadelphia, Pa†	29.69	754.1	42	5.6	.....	nne.	.....	.....	2	.....	10	.....	ne.	12 h'r	12 h'r	.....	.....	raining.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†.	30.02	762.5	.....	.....	.....	calm	.....	.....	0	.....	3	.....	.....	½ h'r	½ h'r	.....	.....	fair.
Bg. John Welsh, jr, Ponce, Porto Rico, W.I†	30.07	763.8	.....	.....	.....	nne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, Zaza, W.I*†	30.01	762.2	70	21.1	.....	ne.	.....	.....	1	.....	.....	.....	ne.	0	0	.....	.....	fine.
Schr. Jenny Greenbank, N. 17° 58′, W. 67° 40′*	30.07	763.8	77.5	25.3	.....	e.	.....	.....	3	.....	1	.....	e.	0	0	mod.	se.	clear.
Schr. Jenny R. Morse, Darien, Ga†	30.03	762.7	.....	.....	.....	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	fine.
Light-house tender Laurel, Key West, Fla†	30.07	763.8	72	22.2	.....	nne.	.....	.....	1–2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Mendoza, N. 24° 07′, W. 63° 10′	.....	.....	.....	.....	.....	ese	.....	.....	1	.....	.....	.....	nw.	2 h'r	2 h'r	long	nw.	clear.
Schr. Martinique, N. 30° 09′, W. 60° 59′	.....	.....	70	21.1	.....	nw.	.....	.....	6	.....	0	.....	.....	0	0	h'vy	nw.	clear.
Schr. Norena, N. 33° 10′ W. 67° 50′†	29.89	759.2	.....	.....	.....	sw.	.....	.....	6	.....	4	.....	sw.	3 h'r	3 h'r	high	sw.	smoky.
Bg. Rising Sun, N. 15° 13′, W. 50° 00′ †	30.05	763.3	78	25.6	.....	e.	.....	.....	4	.....	3	.....	e.	0	0	mod.	e.	
Bk. Rosalie, N. 22° 05′, W. 33° 30′*†	30.15	765.8	.....	.....	.....	nnw.	.....	.....	2	.....	0	.....	.....	0	0	mod.	wnw.	clear.
Bkt. Rosebud, N. 27° 49′, W. 19° 12′*	30.12	765.0	72	22.2	.....	n.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	fine.
S. Salisbury, N. 42° 09′, W. 31° 02′	28.74	730.0	58.3	14.6	91	s.	.....	.....	9	.....	0	.....	.....	6 h'r	6 h'r	sm'h	.....	clear.
Bg. Saga, N. 37° 28′, W. 41° 06′ †	29.58	751.4	62	16.7	.....	.....	.....	.....	9	7 ks	.....	.....	s.; w.	9 h'r	9 h'r	h'vy	s.; sw	cloudy.
Bk. Sunbeam, Lisbon, Portugal†	29.93	760.2	62	16.7	88	wsw.	.....	.....	4	8	.....	.....	.....	6¾ h'r	6¾ h'r	9	.....	squally.
Bgt. Sunlight, N. 36° 04′, W. 73° 10′†	29.70	754.4	.....	.....	.....	wsw.	.....	.....	4	9	.....	.....	wsw.	14 h'r	14 h'r	.....	.....	cloudy.
S. Stephen D. Horton, N. 41° 30′, W. 61° 04′	.....	.....	.....	.....	.....	e.	.....	.....	4	9	.....	.....	w.	2 h'r	2 h'r	mod.	wnw.	cloudy.
Bg. Teneriffe, N. 38° 35′, W. 73° 56′	29.03	752.6	78	25.6	.....	e.	.....	.....	4	8	.....	.....	e.	0	0	mod.	ne.	cloudy.
Schr. Viola Reppard, Sagua la Grande Cuba, W.I	.....	.....	.....	.....	.....	s.	.....	.....	4	5	.....	.....	sw.	4 h'r	4 h'r	3	se.	
Schr. John Bracewell, New Castle, Del†	29.72	754.9	40	4.4	.....	ne.	.....	.....	4	3	.....	.....	calm	0	0	.....	.....	clear.
District No. 2—South Atlantic.										10	.....	.....	sw.	6 h'r	6 h'r	.....	.....	rainy.
U. S. S. Brooklyn, Cape Town, Cape Colony	29.94	760.5	66	18.9	74	wsw.	13	5.8	.....	0	.....	.....	.....	0.15	3.8	.....	.....	clear.
U. S. S. Pensacola S. 1° 15′, W. 31° 41′ †	29.99	761.7	78	25.6	95	se.	.....	.....	2	10	.....	.....	se.	1.77	45.0	sm'h	.....	cloudy.
U. S. S. Shenandoah, S. 43° 23′, W. 62° 19′*	30.02	762.5	55	12.8	93	nw.	.....	.....	4	2	.....	.....	wnw.	.....	.....	sm'h	.....	fair.
H. M. S. Amethyst, Montevideo, Uruguay	29.82	757.4	57.5	14.2	72	sw.	.....	.....	1–4	9	.....	.....	sse.	.....	.....	3	sw.	showery.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.11	764.8	64	17.8	.....	s.	.....	.....	1	0	.....	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, S. 39° 43′, W. 18° 08′	30.34	770.6	53	11.7	78	ese.	.....	.....	3	4	ese.	.....	.....	.....	.....	2	sse	d. clouds.
Bk. Achille F., S. 21° 45′, W. 37° 30′*†	30.04	763.0	61.5	27.5	89	n.	.....	.....	5	5	.....	.....	nne.	0	0	.....	nne.	
Bk. Bore, S. 12° 23′, W. 33° 03′ *†	30.11	764.8	86	30.0	.....	se.	.....	.....	2	2	.....	.....	se.	0	0	sm'h	e.	clear.
Bk. Frank N. Thayer, S. 27° 23′, W. 22° 02′*	30.07	763.8	78	25.6	82	ese.	.....	.....	3	10	kn;	ks]	.....	n.	0	0	light	sse.	d. clouds.
S. Gatherer, S. 33° 43′, W. 46° 30′†	29.64	752.8	65	18.3	100	w.	.....	.....	5	5	.....	.....	w.	1 h'r	1 h'r	r'gh	sw.	fair.
Bkt. Levanter, S. 8° 15′, W. 34° 27′	30.05	763.3	84	28.9	.....	ese.	.....	.....	5	6	.....	.....	ese.	½ h'r	½ h'r	long	e.	fair.
S. Ringleader, S. 11° 15′, W. 31° 40′†	29.90	759.4	88	31.1	62	se.	.....	.....	3	2	.....	.....	se.	0	0	mod.	se.	clear.
S. S. Strassburg, S. 3° 41′, W. 31° 13′	30.02	762.5	79.0	26.1	91	ene.	.....	.....	5	10	.....	.....	ene.	10 h'r	10 h'r	3	e.	raining.
Bk. Xenia, S. 22° 29′, W. 28° 35′*†	30.18	766.6	83	28.3	.....	ene.	.....	.....	4	1	.....	.....	calm	0	0	sm'h	s.	clear.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.86	758.4	75.0	24.2	80	nw.	.....	.....	2	2	.....	.....	.....	0	0	1	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, N. 57° 14′, W. 135° 30′†	30.05	763.3	48	8.9	92	nw.	.....	.....	5	0	.....	.....	.....	.....	.....	.....	.....	clear.
U. S. Naval Hospital, Yokohama, Japan	.....	.....	46	7.8	84	ene.	.....	.....	1	10	.....	.....	ne.	0	0	.....	.....	cloudy.
U. S. S Alert, Shanghai, China	30.19	766.8	55	12.8	74	se.	.....	.....	4	10	.....	.....	se.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 15° 14′, E. 165° 10′	29.92	760.0	77	25.0	91	ene.	.....	.....	6	2	.....	.....	ene.	.....	.....	light	ene.	clear.
U. S. S. Juniata, Fernando Island, Corea	30.24	768.1	44	6.7	91	sse.	.....	.....	1	5	.....	.....	.....	0	0	.....	.....	fair.
U. S. S. Monocacy, Canton, China	30.06	763.5	61	16.1	82	calm	.....	.....	0	10	.....	.....	calm	light	light	.....	.....	cloudy.
U. S. S. Richmond, N. 21° 15′, E. 114° 00′	30.02	762.5	73	21.1	100	ene	.....	.....	3	10	.....	.....	ne.	0.6	15.	sm'h	.....	cloudy.
H.M.S. Audacious, Hong Kong, China	30.09	764 3	63	17.2	88	ene.	.....	.....	2	10	.....	one.	.....	.....	.....	.....	.....	overcast.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.15	765.8	53	11.7	100	se.	.....	.....	3	10	.....	.....	.....	.....	.....	2	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.17	766.3	54.2	12.3	81	ne.	.....	.....	4	10	.....	.....	.....	.....	.....	3	.....	squally.
H. P. M. S. Tamega, Macao, China	30.08	764.0	62.6	17.0	78	ne	.....	.....	3	10	.....	.....	.....	1 h'r	1 h'r	.....	.....	drizzling.
U. S. S. Palos, Shanghai, China	30.17	766.3	52	11.1	79	sse.	.....	.....	2	10	.....	.....	calm	.....	.....	.....	.....	cloudy.
S. S. Newbern N. 30° 58′, W. 116° 32′	.....	.....	62	16.7	88	s.	.....	.....	1	2	.....	.....	w.	0	0	small	wsw.	clear.
S. S. Arabic, N. 22° 51′, W. 164° 25′*†	29.96	761.0	74	23.3	86	ne.	.....	.....	3	2	.....	.....	ne.	0	0	sm'h	.....	blue sky.
S. S. City of Chester, San Francisco, Cal †	29.89	759.2	55	12.8	74	se.	.....	.....	2	2	.....	.....	.....	h'vy	h'vy	.....	.....	
S. S. Columbia, N. 40° 53′, W. 124° 32′*†	29.67	753 6	52	11.1	96	ese.	.....	.....	2	10	.....	.....	se.	0	0	sm'h	se.	rainy.
S. S. Oregon, San Francisco, Cal †	29.84	757.9	57	13.9	87	calm	.....	.....	0	10	.....	.....	sw.	.....	.....	.....	.....	light rain.
S. S. Alameda, San Francisco, Cal. †	29.81	757.2	56	13.3	87	se.	.....	.....	6	10	.....	.....	se.	12 h'r	12 h'r	.....	.....	overcast.
S. S. Orizaba, N. 33° 33′, W. 118° 06′†	29.96	761.0	62	16.7	83	se.	.....	.....	4	10	.....	.....	ese.	0	0	light	ssw.	overcast.
S. S. State of California, Portland, Oregon †	29.73	755.1	48	8.9	100	calm	.....	.....	0	10	.....	.....	s.	0	0	.....	.....	cloudy.
S. S. City of Pekin, Yokohama, Japan †	30.10	764.5	50	10.0	58	n.	.....	.....	2	7	.....	.....	.....	0	0	mod.	nw.	clear.
S. S. City of Rio de Janeiro, N 30° 40′, W. 168° 14′ †	30.02	762.5	56	13.3	.....	nw.	.....	.....	6	2	.....	.....	nnw.	.....	.....	large	nw.	clear.
S. S. Colima, N 18° 06′, W. 103° 19′†	29.97	761.2	76	24.4	77	ese.	.....	.....	2	6	.....	.....	se.	0	0	small	nw.	fair.
S. S. Granada, N. 15° 56′, W. 97° 42′ †	29.93	760.2	78	25.6	86	calm	.....	.....	0	6	.....	.....	.....	0	0	light	.....	hazy.
S. S. San Blas, Panama, Panama †	29.87	758.7	75	23.9	100	nw.	.....	.....	2	6	.....	.....	s.	0	0	.....	.....	fair.
S. S. Benalder, N. 10° 15′, E. 107° 15′	29.97	761.2	85	29.4	87	ene.	.....	.....	4–5	2	.....	.....	ene.	0	0	light	ene.	d. clouds.
District No. 4—South Pacific.										3	.....	.....	.....	.....	.....	.....	.....	
U. S. S. Iroquois, Arica, Peru	30.02	762.5	63	17.2	72	se.	.....	.....	2	2	.....	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	71	21.7	85	sse	.....	.....	2	10	.....	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao, Peru *†	30.03	762.7	70	21.1	100	s.	.....	.....	2	10	.....	.....	se.	.....	.....	short	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.97	761.2	59	15.0	94	nne.	.....	.....	1	10	.....	.....	calm	.....	.....	.....	.....	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	29.97	761.2	59	15.0	94	nnw.	.....	.....	1	10	.....	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Nelson, Sydney, N. S. W	30.31	769.9	65	18.3	84	se.	.....	.....	2	.....	8	se.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 29° 55′, W. 71° 20′	29.96	761.0	66	15.6	94	calm	.....	.....	0	.....	9	ne.	.....	.....	.....	.....	.....	foggy.
S. S. Australia, S. 34° 10′, E. 159° 11′*	30.01	762.2	66	18.9	89	.....	.....	.....	6	.....	4	.....	.....	0	0	.....	s.	
S. S. City of Sydney, S. 1° 09′, W. 166° 38′*†	29.85	758.2	78	25.6	86	ene.	.....	.....	2	2 cs	.....	ene.	.....	.....	.....	.....	.....	clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Columbo, Ceylon, India	29.85	758.2	87	30.6	88	ssw.	.....	.....	1	.....	8	.....	ssw.	.....	.....	sm'h	.....	cloudy.
H. M. S. Euryalus, Massuah, Abyssinia	29.80	756.9	82	27.8	83	ne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S. 10° 25′, E. 82° 37′	29.87	758.7	81.7	27.6	73	s.	.....	.....	1	.....	3	nw.	.....	.....	.....	3	se.	d. clouds.
H. M. S. Myrmidon, Suakin, Egypt	29.87	758.7	79	26.1	70	nne.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Bracadale, N. 24° 10′, E. 36° 30′	.....	.....	82	27.8	.....	nw.	.....	.....	3	.....	.....	.....	.....	0	0	light	nw.	clear.
Bk. Childwall, off Kingston, N. S. W*	29.97	761.2	66	18.9	84	e.	.....	.....	1	.....	.....	.....	.....	0	0	.....	.....	fine.
S. J. W. Gildemeister, S. 17° 08′, E 81° 15′	29.94	760.5	80.6	27	70	e.	.....	.....	4	.....	5 k	.....	n	0	0	.....	.....	clear.
Bk. Nouva Margherita, S. 9° 54′, E. 105° 05′ *†	29.73	755.1	.....	.....	.....	nw.	.....	.....	1–2	.....	.....	.....	sse.	0	0	.....	.....	d. clouds.
S. Orealia, N. 12° 15′, E. 82° 58′ *	29.81	757.2	.....	.....	.....	s.	.....	.....	5	.....	5	.....	var.	rain	rain	5	ese.	d. clouds.
S. S. Lepanto, N. 17° 21′, E. 40° 15′	.....	.....	82	27.8	.....	calm	.....	.....	0	.....	4	.....	sw.	0	0	5	long	cloudy.
													se.	0	0	sm'h	sw.	clear.

International Chart I. April 9, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 10, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Remours	.....	.....	29.92	759.9	68.7	20.4	67	e.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	Koziere.
Algiers	.....	.....	29.93	760.1	63.0	17.2	68	wnw.	.....	.....	3	.....	0	.....	.....	0.024	0.6	clear..	Théve.
La Calle	.....	.....	29.89	759.3	66.6	19.2	83	nnw.	.....	.....	3	.....	4	.....	.....	inap.	inap.	cloudy	Fontrède.
Tunis	.....	.....	29.87	758.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Gerriville	.....	.....	29.98	761.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.99	761.7	67.6	19.8	.....	ne.	.....	.....	1	.....	0	.....	.....	0.386	9.8	clear.....	Abraham.
Biskra	.....	.....	30.00	762.1	69.1	20.6	45	calm	.....	.....	0	.....	0	.....	.....	inap.	inap.	clear.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.24	768.1	65.0	18.3	42	w	8	3.6	.....	3 cs	.....	.....	.....	0	0	fine.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.91	759.7	30.10	764.5	66.5	19.2	65	nnw.	10	4.5	.....	.....	10	.....	w.	0	0	cloudy.....	Com. J. Shortt, R.N.
Melbourne, Victoria	30.16	766.0	30.25	768 3	63.3	17.4	70	ne.	2	0.9	.....	.....	9	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.34	745.2	29.89	759.0	58.1	14.5	33	se.	.....	.....	3	.....	7	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.11	739.4	29.89	759.1	46.0	7.8	68	ene.	7.4	3.3	.....	.....	8	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.01	736.9	29.89	759.1	54.3	12.4	63	s	.....	.....	2	.....	9 s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.60	726.3	29.83	757.6	57.4	14.1	44	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.48	723.5	29.91	759.7	56.1	13.4	82	se.	.....	.....	2	.....	10	.....	.....	0	0	.....	Prof. A. Gortschling
Kremsmunster, Obs'y	28.39	721.2	29.71	754.7	56.3	13.5	56	ne.	.....	.....	1	.....	3	.....	.....	0.012	0.3	.....	The Staff.
Lemberg	28.99	736.3	29.99	761.8	44.2	6.8	77	se	.....	.....	2	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.78	756 3	29.89	759.1	56.5	13.6	70	se.	.....	.....	3	.....	5	.....	.....	0.209	5.3	.....	I. R. Hydrographic Office.
Szathmar	29.44	747.7	.....	.....	52.2	11.2	89	w.	.....	.....	2	.....	10	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.61	752.1	29.89	759.2	54.5	12.5	72	s.	.....	.....	1	.....	7	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.83	757.6	29.93	760.1	55.4	13.0	65	nw.	.....	.....	1	.....	1	.....	.....	0	0	.....	Royal Academy.
Vienna	29.11	739.3	29.82	757.3	50.8	13.8	37	se.	.....	.....	4	.....	7	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	40.1	4.5	91	sw.	.....	.....	2	.....	2	.....	.....	.....	.....	snowing.....	
Brussels	29.59	751.5	29.79	756.7	42.4	5.8	76	wnw.	.....	.....	3	.....	10	.....	wnw.	0.102	2.6	.....	
Furnes	29.82	757.4	29.84	757.9	47.7	8.7	82	nne.	.....	.....	2	.....	4	.....	.....	0.138	3.5	.....	
Maeseyck	29.66	753.4	29.79	756.6	41.9	5.5	86	n.	.....	.....	2	.....	10	.....	.....	0.059	1.5	foggy.....	
BRITISH.																			
Aberdeen	30.01	762.2	30.11	764.8	45.8	7.7	80	se.	14	6.3	.....	.....	2	.....	.....	blank	blank	blue sky.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.04	763 0	47.1	8.4	66	ne.	11	4.9	.....	.....	8	.....	.....	.....	.....	d. clouds.....	John Hartnup.
Bolton, Sharples	29.50	749.3	30.04	763.0	46.0	7.8	69	e.	6	2.7	.....	.....	8	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.64	752 8	30.04	763.0	47.9	8.8	60	ne.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds.....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.01	762.2	30.04	763.0	82.0	27.8	79	ne.	.....	.....	3	.....	1	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E	29.76	755.9	29.94	760.5	46.5	8.1	78	ne.	.....	.....	3	.....	9	.....	.....	.....	.....	gloomy.....	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.77	756.1	30.00	762.0	50.0	10.0	68	sse.	.....	.....	3	.....	2	.....	.....	.....	.....	blue sky.....	The Staff.
Fort Napier, Natal	27.68	703.1	29.99	761.7	77.0	25.0	49	n.	.....	.....	2	.....	3	.....	.....	.....	.....	blue sky.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	29.62	752.3	29.85	758.2	81.0	27.2	87	w.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds.....	J. W. Smith.
Galway, Queen's College	29.85	758.2	29.88	758.9	55	12.8	74	se.	.....	.....	1	.....	3	.....	.....	0	0	blue sky.....	Wm. Ryan.
Gibraltar, Mediterranean	29.87	758.7	29.98	761.5	66.3	19.1	90	w.	.....	.....	4	.....	2	.....	.....	.....	.....	blue sky.....	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.79	756.7	29.96	761.0	49.3	9.6	71	nne.	.....	.....	5	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Guernsey	29.68	753.9	29.98	761.5	50.5	10.3	68	ne.	.....	.....	2	.....	4	.....	.....	0	0	d. clouds.....	A. Collenette, F.R.M.S
Kew, Observatory	29.94	760.5	29.97	761.2	48.0	8.9	50	n.	17	7.6	.....	.....	8	.....	.....	.....	.....	d. clouds ...	The Staff.
Leicester, Museum	29.75	755.6	30.01	762.2	48.4	9.1	53	ne.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.70	754.4	29.78	756.4	61.4	16.3	49	sw.	.....	.....	4	.....	6	.....	.....	0	0	d. clouds.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.01	762.2	30.05	763.3	77.0	25.0	66	nw.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.77	756.1	30.00	762.0	47.1	8.4	62	nne.	.....	.....	3	.....	4	.....	.....	.....	.....	blue sky.....	The Staff.
Plymouth	29.90	759.4	29.97	761.2	54.0	12.2	47	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	blue sky.....	John Merrifield.
Sandwick Manse, Orkneys	29.95	760.7	30.05	763.3	48.9	9.4	78	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. H. Lyne.
Sheffield	29.76	755.9	30.04	763.0	49.5	9.7	65	ne.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	30.04	763.0	30.07	763.8	52.8	11.6	79	e.	.....	.....	2	.....	2	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.00	763.5	49.2	9.6	60	ene.	8	3.6	.....	.....	.....	.....	.....	0	0	blue sky.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	50.2	10.1	68	ne.	.....	.....	2.0	.....	7	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.83	757.7	29.85	758.2	56.7	13.7	61	se.	36	16.1	.....	.....	4	.....	.....	.....	.....	d. clouds.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.57	751.1	29.96	761.0	62.2	16.8	75	se.	2.5	1.1	.....	4 c	6 n	w.	se.	0	0	hazy.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.86	758 4	29.98	761.5	64.0	17.8	99	e.	19	8.5	.....	.....	10 s	.....	.....	0	0	overcast.....	The Staff.
CANADIAN.																			
Bathurst, N. B	29.60	751.8	29.64	752.8	33	0.6	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.55	750 6	29.59	751.6	31	— 0.6	80	ne.	6	2.7	.....	.....	10 n	.....	.....	inap.	inap.	light snow..	H. J. Cundall, C. E.
Chatham, N. B*	29.57	751.1	29.03	752.6	31	— 0.6	81	ne.	2	0.9	.....	2 k	8 ks	ne.	ne.	0	0	cloudy.....	G. A. Blair.
Cornwall, Ontario	29.38	746.2	29.58	751.3	37.1	2.8	96	e.	.....	.....	1	10 n	.....	.....	.....	0.13	3.3	overcast.....	Jas. Smith, M. A.
Dalhousie, N. B	29.61	752.1	29.66	753.4	31.5	— 0.3	.....	calm	.....	.....	0	10 s	.....	.....	s.	0	0	overcast.....	H. A. Johnson.
Father Point, Quebec*	29.58	751.3	29.60	751.8	33	0.6	88	s.	14	6.3	.....	4 cs	4 k	.....	.....	0	0	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.45	748.0	30.37	771 4	9	—12.8	100	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	James Stewart.
Fredericton, N. B	29 49	749.0	29.56	750.8	34.0	1.1	90	ne.	4	1.8	.....	.....	10 n	.....	.....	0.040	1.0	snowing.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.42	747.3	29.48	748.8	34	1.1	92	e.	14	6.3	.....	.....	n	.....	.....	0.22	5.6	sleeting.....	J. Chipman Seeley
Granton, Ontario	28.76	730.5	29.59	759.2	32.1	0.1	97	nw.	9	4.0	.....	6 cs	0	nw.	.....	0	0	d. clouds	Jas. Grant.
Halifax, N. S*	29.33	745.0	29.47	748.5	34	1.1	96	n.	12	5.4	.....	.....	10 n	.....	e.	0.670	17.0	light rain.....	A. Allison.
Hamilton, Ontario	29.37	746 0	29.78	756.4	40.2	4.6	92	nw.	.....	.....	1	8 ck	0	.....	nw.	0	0	d. clouds.....	Geo. Dickson, B. A.
Kingston, Ontario*	29.32	744.7	29.66	753.4	38	3.3	92	n.	2	0.9	.....	8 ck	0	.....	.....	0.02	0.5	fair.....	A. P. Knight, M. A
Little Glace Bay, N. S	29.55	750.6	29.57	751.1	32.0	0.0	93	e.	.....	.....	3	.....	10 n	.....	.....	0	0	overcast.....	C. H. Rigby.
London, Ontario	28.96	735.6	29.89	759.2	32.8	0.4	88	nw.	.....	.....	2	0	4	.....	.....	0	0	d clouds.....	E. B. Reed.
Medicine Hat, N. W. T	27.72	704.1	30.09	764.3	28	— 2.2	92	ne.	1	0.4	.....	0	0	.....	.....	0	0	blue sky	John Ewart.
Minnedosa, N. W. T	28.30	718 8	30.35	770.9	23	— 5.0	92	nw.	5	2.2	.....	.....	0	.....	.....	.....	.....	cloudy	Rev. J. M. Wellwood.
Montreal, Quebec*	29.39	746 5	29.59	751.6	37	2.8	85	n.	12	5.4	.....	.....	10 s	.....	nw.	inap.	inap.	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.42	747 3	29.65	753.1	36.6	2.6	93	ne.	.....	.....	.....	.....	10 s	.....	.....	0	0 -	raining	A. McGill, M. A.
Parry Sound, Ontario*	29.10	739.1	29.80	750.9	37	2.8	89	n.	9	4.0	.....	5 k	3 ks	n.	n.	0.06	1.5	fair.....	Rev. R. Mosley.
Peterboro, Ontario	28.97	735.8	29.73	755.1	35.7	2.1	78	nw.	.....	.....	1	.....	10 ks	.....	.....	0	0	fair.....	Wm. O'Connor, M.A.
Port Arthur	29.44	747.8	30.18	766.6	31	— 0.6	88	nw.	6	2.7	.....	.....	10 n	.....	.....	0	0	cloudy.....	W. P. Cooke.
Port Dover, Ontario	29.12	739.6	29.83	757.7	37	2.8	81	nw.	11	4.9	.....	10 k	0	nw.	.....	0	0	cloudy.....	H. Morgan.
Port Stanley, Ontario	29 22	742.2	29.88	758.9	34	1.1	79	w.	2	0.9	.....	2 c	2 k	nw.	nw.	inap.	inap.	cloudy.....	M. Payne.
Qu Appelle, N. W. T	27.86	707.6	30.23	767.8	27	— 2.8	.....	s.	14	6.3	.....	.....	10 s	.....	s.	0	0	cloudy	Leslie Gordon.
Quebec, Quebec*	29.23	742.4	29.59	751.6	36	2.2	96	calm	0	0	.....	10 ck	0	s.	.....	0	0	cloudy.....	Capt. A he, R. N.
Rockliffe, Ontario*	29.26	743.2	29.70	754.4	36	2.2	92	nw.	10	4.5	.....	.....	9 s	.....	n.	inap	inap.	light rain.....	W. H. McIntyre.
St. Andrews, N. B	29.41	747.0	29.46	748.3	34	1.1	100	ne.	4	1.8	.....	.....	10 n	.....	.....	0.10	2.5	snowing.....	
St. John, N. B	29.33	745 0	29.48	748.8	33.8	1.0	94	ne.	8	3.6	.....	.....	10 n	.....	.....	0.550	14.0	snowing.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.80	757 0	35.6	2.0	.....	sw.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.12	739.6	29.85	758.2	34	1.1	88	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy.....	
Stratford, Ontario	28.55	725.2	29.88	758.9	32.0	0.0	92	w.	8	3.6	.....	.....	10 s	.....	.....	.....	.....	d. clouds.....	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS
CANADIAN.—Continued.																			
Sydney, C. B*	29.60	751.8	29.66	753.4	32	0.0	88	ne.	6	2.7	.....	9 k?	3 ks?	.....	ne.	0	0	fair?.....	T.C.Hill, C.E.
Toronto, Ontario*	29.41	747.0	29.80	756.9	39	3.9	70	nw.	12	5.4	.....	.....	10 ks	.....	n.	0	0	cloudy.....	Magnetic Observatory.
Woodstock, Ontario	28.78	731.0	29.88	758.9	34.4	1.3	79	w.	17.0	4.9	.....	.....	10 s	.....	.....	0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.34	745.2	29.41	747 0	37	2.8	96	e.	2	0.9	.....	.....	fg	.....	.....	0.21	5.3	dense fog.....	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.70	754 4	29.73	755.1	70.0	21.1	95	ne.	.....	.....	.....	0	9 s	.....	.....	0	0	fine.....	I. Garfelt.
Cape Town, The Castle	29.63	752.6	.....	.....	66.0	18.9	64	nw.	.....	.....	.....	c	3 s	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.87	707.9	.....	.....	68	20.0	48	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	59.0	15.0	91	nw.	.....	.....	8	.....	10 n	.....	nw.	1.874	47.6	cloudy	Leon Herrera.
Valparaiso	29.85	758.1	29.99	761 7	57 .0	13.9	89	n.	.....	.....	1	0	c	.....	.....	0	0	clear.....	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.99	761.7	30.01	762.3	54.0	12.2	97	sw.	4.9	2.2	.....	.....	7	.....	.....	0	0	very cloudy	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.96	761.0	30.01	762.2	44.6	7.0	69	ene.	25	11	.....	.....	10	.....	.....	.....	.....	.....	Oversergent Fischer.
Fandö	29.95	760.6	29.97	761.1	48.0	8.9	63	ene.	...	.....	4	.....	5	.....	.....	.....	.....	.....	Overloerer Lauridsen.
Godthaab, Greenland	29.46	748.2	29.50	749 3	28.6	— 1.9	86	nne.	.....	.....	2-4	.....	10	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Greenland	29.25	743.0	29.27	743 5	42.4	5.8	.....	sw.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	30.10	764.5	30.14	765.6	37.4	3.0	71	e.	.....	.....	6	.....	0	.....	.....	.....	.....	.....	A. O. Thorlacius.
Thorshavn	30.11	764.8	30.13	765.4	46.8	8.2	71	n.	13	6	.....	.....	3	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	29.84	757.9	29.89	759.1	— 0.9	—18.3	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	snowing.....	
Vestervig	29.92	759.9	30.01	762.2	48.0	8.9	71	ene.	.....	.....	4	.....	9	.....	.....	.....	.....	.....	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.83	757.7	.....	.....	88.7	31.5	.....	ne.	2.2	1.0	.....	0	0	.....	.....	0	0	.....	Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. Laroque, Director.
Alençon, Normal School	29.45	747.9	30.00	761.9	49.3	9.6	67	ne.	.....	.....	1	.....	8 kn	.....	s.	0	0	very cloudy	M. Nicot, Director.
Arras, Normal School	29.58	751.4	29.83	757.6	49.1	9.5	53	w.	.....	.....	2	.....	5	.....	s.	0.024	0.6	cloudy.....	M. Ungerer, Director.
Avignon, Normal School	29.78	756.5	29.86	758.5	66.2	19.	36	nnw.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	M. Giraud, Director.
Bar-sur-Seine	29.32	744.8	29.89	759.1	47.3	8.5	67	sw.	.....	.....	2	.....	8	.....	nw.	0.118	3.0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.63	752.7	29.91	759.6	44.6	7	78	nnw.	.....	.....	2	10	.....	.....	nnw.	0	0	covered	M. Frere Eugène Marie.
Besançon, Normal School	28 93	734.8	29.83	757 6	50.4	10.2	68	sw.	.....	.....	1	ck	.....	.....	s.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.65	753.2	29.91	759.8	61.0	16.1	52	w.	.....	.....	1	.....	5	.....	w.	0	0	cloudy.....	M. Rayet, Director.
Bourges, Normal School	29.36	745.7	29.91	759.8	50.9	10.5	80	w.	.....	.....	2	.....	2	.....	sw.	0	0	slightly cl'dy	M. Sauvageot, Director.
Brest, Naval Observatory	29.76	755.9	30.00	762.1	61.5	16.4	83	e.	.....	.....	1	.....	8	.....	e.	0	0	misty.....	M. de Kermarec, Dir.
Caen, Normal School	29.83	757.7	29.91	759.6	53.6	12.0	76	nw.	.....	.....	2	.....	5	.....	nw.	0	0	cloudy.....	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.44	747.8	29.76	755.9	47.1	8.4	83	w.	.....	.....	6	.....	10	.....	wnw.	0.008	0.2	covered.....	M. Jadot, Director.
Charleville, Normal School	29.22	742.2	29.74	755.4	45.7	7.6	83	w.	.....	.....	1	.....	8	.....	.....	0.039	1.0	¼ covered..	M. Noël, Director.
Clermont-Ferrand Obs'y	28.52	724.4	29.87	758.6	54.9	12.7	48	w.	.....	.....	2	.....	10	.....	.....	0.024	0.6	.....	M. Allnard, Director.
Cluny, Normal School	29.03	737.4	29.89	759.1	53.6	12.0	44	w.	.....	.....	2	.....	3	.....	w.	0	0	.....	M. de Villemonté, Dir.
Commercy, Normal School	28.99	736.3	29.82	757 4	47.1	8.4	55	w.	.....	.....	6	.....	kn	w.	w.	0	0	.....	Dr. Coulet, Director.
Gap, Normal School	27.31	693.6	29.74	755 3	56.5	13.6	48	sw.	.....	.....	2	.....	6 k	.....	.....	0	0	.....	M. Jarach, Director.
Gréasque, du Rhone	28.73	729 7	29.84	757.8	63.5	17.5	32	w.	.....	.....	2	.....	2	.....	sw.	0	0	.....	M. Kina, Director.
Grenoble, Normal School	29.07	738.3	29.83	757.6	59.7	15.4	33	wnw.	.....	.....	1	.....	k	.....	sw.	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28 33	719.5	29.91	759.8	49.5	9.7	62	nw.	.....	.....	1	ck	.....	.....	e.	0	0	.....	M. Delorme, Dir.
Lamballe Normal School	29.69	754.1	29.97	761.1	52.2	11.2	69	ne.	.....	.....	1	2 c	.....	ne.	.....	0	0	slightly cl'dy	M. Polipre, Dir.
Lescar, Normal School	29.35	745 4	29.91	759.7	67.6	19.8	38	nw.	.....	.....	1	2 c	.....	.....	.....	0	0	slightly cl'dy	M. Ohanvin, Director.
Lorient, Naval Observatory	29.89	759 1	29.99	761.7	58.6	14.8	68	s.	.....	.....	1	.....	5	.....	sw.	0	0	½ covered ..	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28.80	731.6	29.85	758.2	57.2	14.0	49	nw.	.....	.....	2	.....	8	.....	w.	0	0	very cloudy	M. Audié, Director.
Mans, Normal School	29.67	753.6	29.98	761.6	50.2	10.1	64	ne.	.....	.....	4	.....	5 kn	.....	n.	0	0	cloudy.....	M. Richard, Director
Marseille, Observatory	29.58	751.4	29.85	758.1	64.4	18.0	62	sw.	.....	.....	2	.....	3	.....	ene.	0	0	.....	M. Stephan, Director.
Montlouis	24.67	626.7	29.52	749 7	44.6	7.0	51	e.	13.0	5.8	.....	.....	8	se.	.....	0	0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.72	755.0	29.84	757.8	64.4	18.	74	s.	.....	.....	4	.....	1	w.	.....	0	0	clear	M. Gulzin, Director.
Nancy, Normal School	29.00	736.7	29.79	756.6	48.2	9.0	50	w.	.....	.....	2	ck	n	.....	.....	0.055	1.4	.....	M. Hasse, Director.
Nantes, Observatory	29.80	756 9	29.97	761.3	57.4	14.1	42	e.	.....	.....	0-1	.....	2 k;kn	.....	nnw.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29.78	756.3	29.89	759.1	65.3	18.5	41	n.	5.6	2.5	.....	.....	7	.....	.....	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	21.06	535.0	.....	.....	28.6	— 1.9	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	clear.....	M. Vaussenat, Director.
Privas, Normal School	28.80	731 4	29.84	758.0	62.6	17.	63	n.	.....	.....	1	.....	5	.....	w.	0	0	cloudy..	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.98	634.5	.....	.....	34.9	1.6	87	wnw.	.....	.....	3	.....	8	.....	w.	0.079	2.0	.....	M. Allnard.
Rochefort, Naval Obs'y	29.92	760.0	29.95	760.8	64.4	18.0	56	ne.	.....	.....	1	.....	2	.....	ne.	0	0	¼ covered...	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.69	754.0	29.90	759.5	56.5	13.6	58	se.	.....	.....	1	.....	.....	.....	.....	0	0	.....	M. Brotlier, Director.
Rodez, Normal School	27.77	705.3	29.93	760.1	58.5	14.7	45	n.	.....	.....	1	.....	5	.....	se.	0	0	fair.....	M. Seger, Director.
Rouen, Normal School	29.87	758.8	29.92	760.0	50.4	10.2	52	n.	.....	.....	4	.....	5	.....	n.	0	0	cloudy.....	M. Mouillot, Dir.
Saint Maur, Observatory	29.72	754 9	29.89	759 1	48.0	8.9	55	nw.	.....	.....	1	.....	.....	.....	wnw.	0	0	.....	M. Renou, Director.
Toulouse, Observatory	29.23	742.5	29.95	760.8	63.3	17.4	34	nnw.	.....	.....	1	.....	2	w.	.....	0	0	slightly cl'dy	M. Baillaud, Director.
Tours	29.67	753.7	29.93	760.3	55.0	12.8	55	nw.	.....	.....	1	.....	5	n.	nnw.	0	0	cloudy.....	M. de Tastes.
Versailles, Observatory	29.40	746.7	29.89	759.2	44.2	6.8	69	nw.	.....	.....	2	.....	8	.....	.....	0.126	3.2	very cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.77	756.2	29.92	760.0	66.4	19.1	46	se.	4.0	1.8	.....	c	2 k	.....	.....	0	0	.....	M. Carlier, Director.
GERMAN.																			
Anshach	28.35	720.1	29.82	757.3	45.7	7.6	78	sw.	.....	.....	2	.....	10	sw.	.....	0	0	.....	Prof. Jnedt.
Bamberg	28.92	734.6	29.76	755.9	46.8	8.2	75	w.	.....	.....	1	.....	10 n	.....	w.	0.142	3.6	.....	Prof. Dr. Hoh.
Berlin	29.69	754.0	29.83	757.6	52.5	11.4	50	ne.	.....	.....	1	.....	2	.....	.....	0	0	.....	Meteorological Institute
Breslau	29.39	746.5	29.92	759.9	46.6	8.1	66	ese.	.....	.....	4	.....	10	.....	.....	0	0	.....	Royal University Obs'y
Carlsruhe	29.36	745.8	29.82	757 5	48.2	9.0	58	nw.	.....	.....	1	.....	10	sw.	.....	0.083	2.1	.....	Albert Senz.
Cassel	29.10	739.0	29.81	757.1	44.8	7.1	70	sw.	.....	.....	2	.....	8	sw.	.....	0.327	8.3	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.41	747.1	29.78	756 4	45.7	7.6	68	sse.	.....	.....	1	.....	7	.....	.....	0.466	10.3	.....	Physical Society.
Friedrichshafen	28.42	721.8	29.88	759.0	48.9	9.4	80	sw.	.....	.....	3	.....	10	sw.	.....	0.311	7.9	.....	Wilhelm, Chief Tel.
Hamburg	29.79	756.6	29.88	758 9	50.7	10.4	62	e.	.....	.....	4	.....	3	ese	.....	0	0	.....	E. Preller.
Kiel	29.91	759 7	29.93	760.1	45.5	7.5	66	ene.	.....	.....	4	.....	7	.....	.....	0 016	0.4	.....	Prof. Dr.G. Karsten.
Leipsic, Astrom'l Obs'y	29.37	745.9	29.79	756.6	53.6	12.0	66	e.	.....	.....	2	.....	9	s.	.....	.....	.....	sprinkling....	H. Leppig, Asst.
Magdeburg	29.61	752.0	29.80	756.8	52.7	11.5	59	ese.	.....	.....	3	.....	10	.....	.....	0	0	.....	Weather Observatory.
Memel	30.06	763 5	30.11	764.7	42.6	5.9	88	sse.	.....	.....	2	.....	10 s	.....	.....	.....	.....	raining.....	Issermann.
Munich	27.98	710 5	29.84	757.8	50.5	10.3	66	nw.	.....	.....	2	.....	9	w.	.....	.....	.....	light rain.....	Central Station.
Neufahrwasser	30.02	762.4	30.04	763.1	42.8	6.0	78	ne.	.....	.....	3	.....	10	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.24	742.8	29.77	756.1	48.6	9.2	72	s.	.....	.....	2	.....	7	s.	.....	0.091	2.3	raining..	Prof. Dicknether.
Stuttgart	28 85	732.8	29.75	755 6	47.8	8.8	69	n.	.....	.....	1	.....	8	w.	.....	0.016	0.4	.....	Prof. Dr. Schoder.
Wustrow	29.88	759 0	29.91	759.6	49.6	9.8	70	ese.	.....	.....	3	.....	10 s	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.59	751 5	29.97	761.1	69.8	21.0	.....	s.	.....	.....	1.0	7	.....	.....	.....	0	0	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.73	755.2	29.78	756.5	80.1	26.7	77	wsw.	38.0	17.0	.....	.....	8	.....	wsw.	0	0	misty.....	
Deesa	29.29	743.8	29.75	755.6	93.6	34.2	17	wsw.	22.0	9.8	.....	.....	0	.....	.....	0	0	blue sky.....	
Bombay	29.84	758.0	29.88	758.9	83.1	28.4	75	nw.	15.0	6.7	.....	.....	0	.....	.....	0	0	blue sky.....	
Poona, Yarrowda	28.00	711.2	29.81	757.2	92.6	33.7	17	nw.	26.0	11.6	.....	.....	0	.....	.....	0	0	blue sky	
Trichinopoly	29.56	750 7	29.83	757.6	98.3	36.8	29	ene.	0.2	0.1	.....	.....	6	nne.	nne.	0	0	d. clouds.....	
Bellary	28.31	719 1	29.72	754.9	101.0	38.3	17	w.	4.0	1.8	.....	.....	5	.....	.....	0	0	d. clouds	
Belgaum	27.31	693.7	29.79	756.7	88.2	31.2	38	wsw.	10.0	4.5	.....	.....	3	.....	n.	0	0	d. clouds	
Lahore	28.88	733 6	29.61	752.1	88.1	31.2	25	e.	6.0	2.7	.....	.....	8	.....	.....	0	0	d. clouds	
Roorkee	28.83	732.3	29.71	754.7	88.2	31.2	18	e.	5.0	2.2	.....	.....	10	w.	.....	0	0	overcast.....	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	01–0	0–10	0–10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Agra	29.15	740.3	29.69	754.1	97.1	36.2	36	w.	2.0	0.9			4		w.	0	0	d. clouds	
Nagpur	28.69	728.6	29.69	754.1	100.5	38.1	14	w.	12.0	5.4			4		w.	0	0		
Jubbulpore	28.41	721.5	29.71	754.7	98.0	36.7	13	sw.	4.0	1.8			0			0	0	blue sky	
Lucknow	29.34	745.1	29.70	754.4	97.0	36.1	21	e.	3.0	1.3			5	e.		0	0	d. clouds	
Allahabad	29.37	746.0	29.67	753.6	100.1	37.8	17	nw.					0			0	0	misty	
Patna	29.54	750.3	29.72	754.8	98.3	36.8	18	nnw.	2.8	1.2			2	nnw.	nnw.	0	0		
Hazaribagh	27.75	704.9	29.71	754.6	91.5	33.1	14	nnw.	4.0	1.8			0			0	0	blue sky	
Cuttack	29.73	755.0	29.81	757.1	85.7	29.8	68	w.	5.0	2.2			0			0	0	blue sky	
Calcutta, Alipore	29.76	755.9	29.78	756.4	85.5	29.7	61	ssw.	9.0	4.0			0			0	0	blue sky	
Chittagong	29.77	756.2	29.86	758.5	81.7	27.6	79	sw.	8.2	3.7			4			0	0	d. clouds	
Sibsagar	29.54	750.4	29.89	759.2	68.4	20.2	93	ne.	2.0	0.9			10	w.	w.	0.05	1.3	overcast	
Jeypore	28.30	718.8	29.71	754.5	91.7	33.2	14	wnw	18.6	8.3			9	wsw.		0	0	d. clouds	
Zanzibar	29.82	757.4			88.5	31.4	64	ene.	3.2	1.4			5	ese.				d. clouds	
ITALIAN.																			
Udine	29.49	749.0	29.80	759.3	55.0	12.8	65	sw.	1.8	0.8			9			0	0		Prof. Giovanni Clodig.
Milan	29.37	745.0	29.88	758.0	57.9	14.4	61	ne.	6.3	2.8			10	sse.		0.039	1.0		Prof. G.V. Schiapparelli
Padua	29.73	755.1	29.84	757.8	60.1	15.6	55	sse.	8.7	3.9			3	sw.		0.012	0.3		Prof. Dott. Lorenzoni.
Moncalieri	28.95	735.2	29.84	758.0	55.0	12.8	72	nne.	3.8	1.7			9	n.		1.098	27.9		Prof. F. F. Denza.
Genoa	29.68	753.8	29.87	758.7	54.9	12.7	70	e.	4.9	2.2			10	s.		0.819	20.8		Prof. G. M. Garibaldi.
Pesaro	29.83	757.7	29.88	758.9	54.3	12.4	77	n.	8.7	3.9			10	s.		0.154	3.9		Prof. Luigi Guidi.
Florence	29.58	751.4	29.84	757.8	60.6	15.9	54	ne.			2		5			0.110	2.8		Prof. Costantino Pittei.
Leghorn	29.72	755.0	29.81	757.1	34.9	1.6	74	w.	3.1	1.4			10	s.		0	0		Prof. P. Monte.
Rome	29.71	754.7	29.89	759.1	63.5	17.5	54	w.	10.5	4.7			6	sw.		0.130	3.3		Prof. P. Tacchini.
Lecce	29.64	752.9	29.89	759.2	65.8	18.3	47	sw.	12.5	5.6			10	se.		0	0		Prof. C. de Giorgi.
Cosenza	29.02	737.0	29.91	759.6	61.2	16.2	77	w.	2.5	1.1			9	sw.		0	0		Prof. D. Conti.
Palermo	29.65	753.2	29.90	759.5	64.4	18.0	56	ne.	4.3	1.9			10	w.		0.047	1.2		Prof. G. Caccintore
Syracuse	29.84	757.9	29.88	759.0	66.6	19.2	70	sse.	4.9	2.2			10	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.37	746.0			53.4	11.9	91	n.	0	0			10			0.614	15.6		Prof. F. Brioschi.
Stelvio	21.90	556.3			31.8	— 0.1	93	w.			2		10			0	0	covered.	Prof. P. F. Denza.
Valdobbia	21.95	557.5			35.1	1.7	61	sw.			6		8			0	0	covered.	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.36	771.1	30.39	772.0	36.6	2.6	86	calm			0	0	0			0	0	clear	H. Hattori.
Awomori	30.34	770.6	30.37	771.4	32.0	0.0	75	se.	0.5	0.2		0	0			0	0	clear	K. Ogawa.
Hakodate	30.35	770.8	30.36	771.1	39.8	4.3	64	wsw.	1.8	0.8		1 c	0			0	0	clear	Y. Souma.
Hamamatsu	30.35	770.9	30.45	773.4	45.3	7.4	87	calm			0	3 cs	0			0	0	fair	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.31	769.9	30.32	770.2	49.7	9.8	79	nw.	1.2	0.5		10 cs	0	w.		0	0	cloudy	Y. Okamoto.
Kagoshima	30.26	766.5	30.27	768.8	59.6	15.3	61	e.			2		10 s			0.154	3.9	overcast	
Kanazawa	30.25	768.4	30.36	771.1	44.0	6.7	83	e.	8.2	3.7		0	1 s			0	0	fair	S. Endo.
Kioto	30.22	767.5	30.39	771.9	45.7	7.6	74	n.	2.5	1.1			10 s			0	0	cloudy	M. Tojima.
Kochi	30.36	771.2	30.39	771.7	53.0	11.7	76	ne.	4.8	2.1			10 s			inap.	inap.	overcast	K. Kusunose.
Miasaka	30.29	769.3	30.32	770.0	57.2	14.0	71	se.			2	0	4 ck;ks		se.	0	0	fair	K. Masusaki & T. Ishnain.
Miyako	30.29	769.4	30.40	772.2	34.8	1.6	83	wsw.	3.5	1.5		0	0			0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	30.00	762.0	30.20	767.1	59.9	15.5	63	se.	7.5	3.3			10 s			0.200	5.1		
Nemuro	30.17	766.3	30.22	767.6	33.6	0.9	79	w.	3.0	1.3		0	3 s			0	0	fair	A. Shibuya.
Niigata	30.35	770.9	30.38	772.6	42.1	5.6	84	ne.	1.3	0.5		0	0			0	0	clear	Satoo & Tomikawa.
Nobiru	30.42	772.6	30.43	773.0	41.8	5.4	86	sw.	10.4	4.6		0	0			0	0	clear	Yoslino & Midzushina.
Numadzu	30.43	772.9	30.47	773.9	43.7	6.5	81	e.			2	0	4 s			0	0	fair	T. Ohgi.
Osaka	30.38	771.6	30.39	772.0	47.7	8.7	75	ene.	5.0	2.2		0	9 s			0	0	cloudy	H. Omura.
Saga	30.18	766.6	30.20	767.2	56.4	13.6	79	calm	0	0			10 s			0.099	2.5	overcast	A. Matsuhayashi.
Sakai	30.26	768.6	30.27	768.8	48.8	9.3	87	nw.			2		10 ks			0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	30.21	767.2	30.27	768.9	37.0	2.8	64	s.	5.4	2.4		0	0			0	0	clear	S. Kimura.
Shimonoseki	30.09	764.2	30.23	767.9	54.0	12.2	78	ene.			4		10 s			0.094	2.4	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	30.39	771.8	30.46	773.8	48.8	9.3	76	ssw.	9.7	4.3		0	0			0	0	clear	The Staff.
Wakayama	30.31	769.8	30.36	771.1	50.1	10.1	75	e.	2.2	1.0		2 ck	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.79	756.7	29.98	761.5	79.7	26.5	70	e.	16.0	7.2		2 ck	3 ku;ks		ese.	0	0	fair	The Staff.
MEXICAN.																			
Leon	24.33	618.0	30.04	763.0	54.7	12.6	63	n.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.69	754.2	29.95	760.8	69.0	20.6	52	nnw.	1.6	0.8		1 cs	0			0	0	clear	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.81	757.1	29.81	757.1	41.5	5.3		nnw.			4					0.063	1.6		
Groningen	29.72	755.0	29.78	756.4	50.2	10.1		ene.			3					0.236	6.0		
Helder	29.80	756.9	29.80	756.9	45.7	7.6		ne.			6					0.114	2.9		
Hellevoetsluis	29.80	756.8	29.80	756.8	40.8	4.9	84	calm			0					0.165	4.2		
Utrecht	29.76	755.8	29.80	757.0	41.0	5.0	80	ne.			2		7			0.358	9.1	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.94	760.4			75.6	24.2	95	w	0	0			10			0	0		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.00	761.9	30.06	763.5	49.3	9.6	47	nw.	7	3			1			0	0		
Brono	29.95	760.7	29.99	761.7	42.4	5.8	82	sw.			6		10			0.031	0.8		
Christiania	29.91	759.8	30.06	763.5	54.9	12.7	50	ssw.	9	4			2			0	0		
Gjæsvær	29.65	753.0	29.67	753.6	40.5	4.7		nw.			6		10			0.016	0.4		
PORTUGUESE.																			
Funchal, Madeira	29.87	758.7	29.96	760.9	64.9	18.3	79	sw.	11.2	5.0			4	nw.		0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.63	752.7	29.97	761.2	58.6	14.8	83	ssw.	11.9	5.3			10			0	0		The Staff.
Ponta Delgada, Azores	29.60	751.7	29.67	753.5	62.6	17.0	70	nw.	9.4	4.2			3			0.094	2.4		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.95	760.7	29.98	761.6	69.1	20.6	69	ne.			4		2			0	0		
San Salvador, Congo																			
Serra da Estrella	25.20	640.0	29.98	761.5	42.1	5.6	100	ssw.	0.7	0.3			10			0.118	3.0	foggy	
RUSSIAN.																			
Akmolinski	28.92	734.6	30.11	764.8	5.2	—14.9	82	n.	4	2		0	0			blank	blank		Major K. Lasarew.
Archangel	29.86	758.5	29.88	759.0	32.9	0.5	83	w.	4	2			10			0	0		Capt. Sseliwerstow
Ashurada	30.17	766.3	30.08	763.9	60.1	15.0	77	nnw.	13	6		0	2 ks			0	0		
Astrakhan	30.37	771.3	30.29	769.4	45.5	7.5	50	e.	16	8		0	0			0	0		Capt. Wisganow.
Baku	30.21	767.2	30.16	766.0	51.4	10.8	79	se.	4	2		1 cs	0						
Barnaul	29.56	750.8	30.11	764.8	7.0	—13.9	63	wsw.	13	6			0			0	0		Meteorological Office.
Bieloserak	29.57	751.0	30.04	763.0	45.1	7.3	59	wnw.	7	3		0	0			0	0		
Dorpat	29.96	760.9	30.20	767.1	57.0	13.9	40	ese.	4	2		10 c	0			0	0		Rosenthal.
Ekaterinburg	28.94	735.0	29.96	760.9	20.7	— 6.3	43	wsw.	18	8			10					light snow	Meteorological Obs'y.
Elissawetgrad	29.58	751.4	30.03	762.8	55.6	13.1	58	ese.	9	4			9 s			0.008	0.2	light clouds	
Kasalinsk	29.98	761.5	30.16	766.0	33.1	0.6	100	n.	9	4									Butkewitsch.
Kasan	29.67	753.5	29.95	760.6	39.0	4.2	76	ssw.	11	5		10 ck;cs	0			0	0		Observatory.
Kem	29.82	757.5	29.87	758.8	45.1	7.3	65	calm	0	0			9 ks			0	0		
Kertch	29.93	760.3	29.90	760.9	52.5	11.4	81	calm	0	0			10 n			0	0		Lazerio & Sastyre.
Kieff	29.42	747.2	30.06	763.6	48.0	8.9	63	e.	13	6		ck;cs	5 ks			0.055	1.4		Observatory.
Koslov	29.74	755.3	30.26	768.6	37.2	2.9	77	ssw.	7	3		0	0			0	0		
Lgov	29.69	754.0	30.29	769.4	40.3	4.6	70	e.	9	4			2			0	0		R. I. Ssaweljew, Engin'r.
Libau	30.07	763.7	30.09	764.3	53.2	11.8	40	e.	9	4			5			0	0	light clouds	L. Quass.
Lugan	29.93	760.2	30.13	765.4	48.0	8.9	53	ene.	18	8			0			0	0		Meteorological Obs'y.
Moscow	29.74	755.3	30.22	767.6	48.7	9.3	37	calm	0	0		0	0			0	0		Meteorological Obs'y.
Nertschinsk	27.48	698.0	29.80	757.0	35.8	2.1	40	calm	0	0			10			0.098	2.5		
Nikolaiev	29.91	759.7	29.98	761.5	49.3	9.6	94	calm	0	0						0.260	6.6		Capt. Kurdakow.

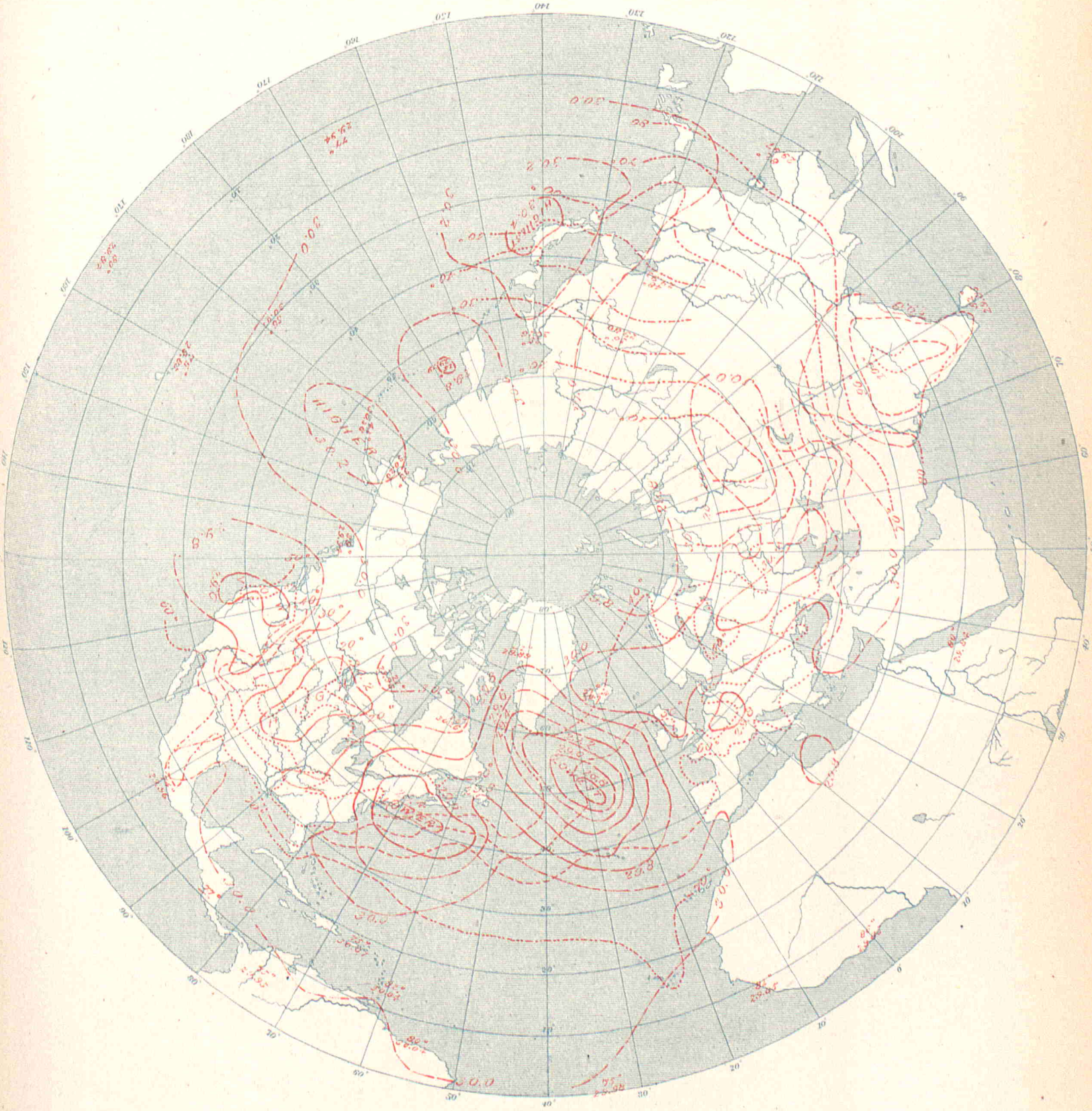
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.07	763.8	30.16	766.0	24.6	— 4.1	66	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.79	756.6	29.93	760.2	48.2	9.0	72	se.	3.4	1.5	.....	0	8 n	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.80	756.9	30.15	765.9	56.7	13.7	18	nnw.	3.4	1.5	.....	0	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.80	756.8	29.99	761.8	49.8	9.9	44	nw.	16	7	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.60	751.9	30.11	764.9	39.0	3.9	88	e.	18	8	.....	.....	10 s	.....	.....	0	0	.....	
Poti	29.99	761.7	30.02	762 5	52.3	11.3	94	ssw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.14	765.6	30.17	766.2	43.5	6.4	65	wnw.	9	4	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.60	701.1	30.11	764.9	46.4	8.0	82	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.43	747.5	30.14	765.6	15.3	— 9.3	63	nw.	9	4	.....	.....	10	.....	.....	0.024	0.6	.....	Major Lasarew
Sevastopol	29.76	755.9	29.98	761 4	47.5	8.6	95	w.	16	7	.....	.....	10 n	.....	.....	blank	blank	.....	
Staroi Bykhov	29.63	752.6	30.19	766 9	47.1	8.4	61	ese.	7	3	.....	.....	10	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.39	721.0	30.07	763.8	51.4	10.8	65	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.64	727.4	30.04	763.1	61.0	16.1	50	s.	7	3	.....	.....	10	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.37	695.3	29.88	759.0	48.2	9.0	68	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.38	746.3	30.03	762.8	35.6	2.0	71	w.	9	4	.....	.....	9	.....	.....	inap.	inap.	.....	
Vladivostock	30.13	765.2	30.19	766.9	39.0	3.9	91	se.	22	10	.....	.....	10 n	.....	.....	0	0	.....	
Warsaw	29.58	751.4	30.02	762 4	43.0	6.1	69	se.	9	4	.....	.....	10 ks	.....	.....	.....	.....	h'vy clouds	Astronomical Obs'y.
Yeniseisk	29.63	752.7	29.95	760.6	8.8	—12.9	59	calm	0	0	.....	.....	2	.....	.....	0.020	0.5	snowing	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.60	751.8	30.13	765.3	49.1	9.5	43	wsw.	7.4	3.3	.....	0	0	.....	.....	0	0	clear	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y	29.81	757 2	29.92	760.0	61.2	16.2	72	ne.	.....	.....	.....	0	4 kn	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.85	758.2	29.91	759.7	69.3	20.7	47	nw.	1.3	0.6	.....	0	0	.....	.....	0	0	clear	Angel de Uralde.
Burgos, Met. Obs'y	27.01	686 0	29.97	761.3	53.6	12.0	85	w.	2.5	1.1	.....	.....	9	.....	.....	0.181	4.6	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.74	704.5	29.95	760.8	63.7	17.6	67	se.	7.6	3.4	.....	0	5	.....	.....	0	0	cloudy	The Staff.
Murcia, Met. Obs'y	29.78	756.5	29.90	759.4	69.3	20.7	69	e.	3.8	1.7	.....	2	3	wnw.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.97	735.7	29.86	758.4	55.8	13.2	85	s.	5.6	2.5	.....	.....	10	.....	.....	0	0	covered	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.01	762.3	30.08	764.0	67.6	19.8	86	ese.	2.2	1.0	.....	0	1 ks	.....	s.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.95	760.8	30.01	762.3	80.3	26.8	62	ese.	6.6	3.0	.....	.....	k	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.93	760.2	30.03	762.7	63.1	17.3	78	wnw.	15.5	6.9	.....	1	6	w.	w.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.	29.98.	761.4	30.07	763.7	75.2	24.0	86	calm	0	0	.....	2 s	0	.....	.....	0	0	clear	Enrique Gadea, Civ Eng
SWEDISH.																			
Haparanda	29.87	758.7	29.91	759.7	37.0	2.8	86	w.	.....	.....	2	.....	5	.....	.....	0	0	.....	
Umea	29.95	760.6	30.00	761.9	35.2	1.8	90	ssw.	.....	.....	2	.....	5	.....	.....	0	0	.....	
Hernosand	29.98	761.4	30.03	762.7	48.6	9 2	48	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Stockholm	29.95	760.7	30.13	765.2	48.2	9.0	58	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Wisby	30.07	763.8	30.13	765.3	50.7	10.4	53	se.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.02	762.5	30.11	764.7	46.4	8.0	59	ssw.	9.6	4.3	.....	.....	0	.....	.....	0.004	0.1	.....	H.H.Hildebrandsson
SWISS																			
Geneva	28.42	721.9	29.84	757 9	57.0	13.9	48	wnw	.....	.....	2	.....	10	.....	.....	0	0	covered	The Observatory.
TURKISH.																			
Constantinople	.....	.....	30.02	762.5	60.1	15.6	59	n.	9	4.0	.....	.....	8	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	30.007	761.97	67.6	19.8	.....	s.	.....	.....	2	.....	8	.....	.....	0	0	¼ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	30.00	762.0	70.0	21.1	61	wsw.	.....	.....	1	4 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York	29.46	748.3	29.54	750.3	42.7	5.9	76	nw.	6	2.7	.....	.....	10 n	.....	nw.	0.62	15.7	light rain	J. O. Barnes.
Alpena, Michigan	29.25	742.9	29.91	760 5	35	1.7	79	nw.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.90	632.4	29.82	757.4	36.8	2.7	68	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assiniaboine, Ft., Montana	27.14	689.3	30.06	763.5	27.7	— 2.4	92	e.	12	5.4	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28 85	732.8	30.04	763 0	44.0	6.7	48	s.	9	4.0	.....	hz.	6 k	.....	w.	0	0	fair	S. W. Beall.
Atlantic City, New Jersey	29.58	751.3	29.59	751.6	42.0	5.6	73	w.	13	5.8	.....	0	1 k	.....	w.	0.35	8.9	clear	B.A.Blundon.
Augusta, Georgia	29.90	759 4	30.10	764 5	41.5	5.3	82	w.	1	0.4	.....	0	hz.	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	29.72	754.9	29.77	756.1	43.6	6.4	68	nw.	12	5.4	.....	7 cs	0	nw	.....	0.89	22.6	fair	Geo. W. Felger.
Barnegat City, New Jersey	29.54	750.3	29.56	750.8	41.6	5.3	82	nw.	27	12.1	.....	.....	10 s	.....	n.	0.06	1.5	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.66	728.0	30.30	769.6	32.6	0.3	90	ne.	3	1.3	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	A. Pritchard.
Benton, Fort, Montana	27.17	690.1	30.03	762.7	26.5	— 3.1	72	ne.	10	4.5	.....	0	4 s	.....	w.	0	0	fair	O.S.Bennett.
Bismarck, Dakota	28.44	722.4	30.32	770.1	25.8	— 3.4	88	ne.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.36	745.7	29.39	746.5	36.0	2.2	89	n	18	8.0	.....	0	9 s	.....	n.	0.23	5.8	cloudy	J. T. Elker.
Boise City, Idaho	26.76	679.7	29.60	751.8	55.5	13.1	60	se.	11	4.9	.....	.....	10 s	.....	se.	0.03	0.8	cloudy	James Keneally.
Boston, Massachusetts	29.23	742.4	29.39	746.5	34 1	1.2	100	n.	13	5.8	.....	.....	10n;fg	.....	n.	0.38	9.7	light rain	O. B. Cole.
Brownsville, Texas	29.91	759.7	29.97	761.2	66.0	18.9	100	e.	5	2.2	.....	0	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.02	737.1	29.79	756.7	33.6	0.9	94	sw.	8	3.6	.....	.....	10 s	.....	w.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.16	715.3	30.26	768.6	29.0	— 1.7	86	e.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	A. Schneider.
Cairo, Illinois	29.67	753.6	30.08	764.0	38.0	3 3	89	ne.	16	7.2	.....	.....	10 s	.....	ne.	0.11	2.8	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.43	747.5	29.63	752 6	48.5	9.2	95	calm	0	0	.....	.....	fg.	.....	.....	0.01	0.3	dense fog	J.H.Young.
Cape Henry, Virginia	29.83	757.7	29.85	758.2	42.5	5.8	58	sw.	18	8.0	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	29.03	752.6	29.60	753.4	41.7	5.4	73	w.	46	20.6	.....	0	0	.....	.....	0.23	5.8	clear	W.E.Smith.
Cape Mendocino, California	28.88	733.5	29.57	751.1	49	9.4	86	se.	16	7.2	.....	.....	10n;fg	.....	.....	0.16	4.1	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.10	764.5	30.12	765.0	53.2	11.8	55	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.99	761.7	30.05	763.3	46.9	8.3	56	w.	7	3.1	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.15	740.4	30.01	762.2	41.7	5.4	59	w.	3	1.3	.....	10 cs	fg	w.	.....	0	0	cloudy	D. O'Donognue.
Chattanooga, Tennessee.	29.19	741.4	30.02	762.5	39.5	4.2	86	e.	2	0.9	.....	.....	10s;fg	.....	nw.	0	0	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.98	609.1	30.00	762.0	25.1	— 3.8	87	s.	18	8.0	.....	.....	10 s	.....	.....	0	0	cloudy	E. McGovern.
Chicago, Illinois	29.32	744.7	30.05	763.3	35.8	2.1	78	nw.	4	1.8	.....	4 k	4 ks	w.	w.	inap.	inap.	cloudy	T.B.Jennings.
Chincoteague, Virginia	29.73	755.1	29.75	755.6	43.0	6.1	71	nw.	28	12.5	.....	0	hz.	.....	.....	0.33	8.4	clear	C. F. Dickens.
Cincinnati, Ohio	29.30	745.7	30.02	762.5	42.0	5.6	84	w.	4	1.8	.....	3 c	3 s	nw.	w.	0.01	0.3	fair	L. Dunne.
Cleveland, Ohio	29.18	741 2	29.94	760 5	37.8	3.2	89	w.	10	4.5	.....	2 ck	7 s	ne.	w.	0	0	cloudy	W. Line.
Columbus, Ohio	29.10	739.1	29.96	761.0	36	2.2	74	w.	7	3.1	.....	3 ck	7 s	w.	w.	0.02	0.5	cloudy	F.T. Williams.
Concho, Fort, Texas	28.11	714 0	30.05	763 3	52.6	11.4	86	ne.	14	6.3	.....	.....	10 s	.....	ne.	0	0	threatening	C. E. King.
Custer, Fort, Montana	26.78	680.2	29.96	761.0	30.7	— 0.7	78	e.	4	1.8	.....	hz.	0	.....	.....	0	0	dense haze	W.J.Daily.
Davenport, Iowa	29.44	747.8	30.12	765.0	36.7	2.6	77	nw.	7	3.1	.....	.....	10 k	.....	nw.	0	0	cloudy	R. R. Martin.
Davis, Fort, Texas	25.18	639.6	29.96	761 0	54.0	12.2	86	n.	8	3.6	.....	.....	10 ks	.....	n.	0	0	cloudy	J. Williams.
Dayton, Washington Ty.	27.82	706.6	29.58	751.3	50.2	10.1	66	e.	2	0.9	.....	.....	10 ks	.....	.....	0	0	cloudy	H.S.Blandford.
Deadwood, Dakota	25.41	645.4	30.10	764.5	21.0	— 6.1	87	ne.	2	0.9	.....	1 c	0	.....	.....	0	0	clear	G.Kingsbury.
Delaware Breakwater, De.	29.69	754.1	29.71	754.6	41.8	5.4	74	nw.	30	13.4	.....	0	5 k	.....	w.	0.07	1.8	fair	G.A.Martin.
Denver, Colorado	24.72	627.9	29.99	761.7	33.3	0.7	76	calm	0	0	.....	4 c	0	.....	.....	inap.	inap.	fair	F. M. Neal.
Des Moines, Iowa	29.29	744.0	30.22	767.6	34.8	1.6	70	n	4	1.8	.....	.....	10 s	.....	n.	inap.	inap.	cloudy	F. W. Conrad.
Detroit, Michigan	29.24	742.7	29.97	761.2	38.0	3.3	73	nw.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	N.B.Conger.
Dodge City, Kansas	27.63	701.8	30.27	768.8	28.8	— 1.8	74	n.	6	2.7	.....	3 ck	0	nw.	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.41	747.0	30.14	765 5	36.5	2.5	65	nw.	5	2.2	.....	.....	10 s	.....	nw.	0	0	cloudy	A.W.Browne.
Duluth, Minnesota	29.42	747.3	30.19	766.8	32.2	0.1	86	nw.	16	7.2	.....	0	7 s	.....	nw.	0.07	1.8	fair	E.R.Brace.
Eastport, Maine	29.39	746.5	29.40	748.3	34.0	1.1	94	ne.	14	6.3	.....	.....	10n;fg	.....	ne.	0.14	3.6	light snow	D. C. Murphy.
Elliott, Fort, Texas	27.39	695 7	30.17	766.3	33.3	0.7	60	ne.	24	10.7	.....	.....	10 s	.....	.....	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.16	664.5	29.90	759.4	60.0	15.6	28	nw.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	F. Belford.
Erie, Pennsylvania	29.14	740.1	29.89	759.2	37.1	2.8	83	sw.	10	4.5	.....	.....	10 s	.....	w.	0.04	1.0	cloudy	P. Wood.
Escanaba, Michigan	29.36	745 7	30.04	763.0	30.0	— 1.1	80	n.	8	3.6	.....	.....	10 n	.....	n.	0.03	0.8	light snow	L.M.Pindell.
Fort Smith, Arkansas	29.08	753.9	30.16	766.1	43.5	6.4	68	n.	12	5.4	.....	.....	10 s	.....	n.	0	0	cloudy	J. B. Campbell.
Galveston, Texas	30.03	762.7	30.07	763.8	64.0	17.8	78	s.	3	1.3	.....	hz.	1 ks	.....	.....	0	0	dense haze	E. O'C. Macinerny
Grand Haven, Michigan	29.34	745.2	30.02	762.5	36.0	2.2	77	nw.	6	2.7	.....	.....	10 s	.....	nw.	inap.	inap.	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.14	638.5	29.87	758.7	56.1	13.4	21	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.89	759.2	29.90	759.4	46.2	7.9	58	nw.	25	11.2	.....	0	0	.....	.....	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	c=10	c=10	c=10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.71	653.0	29.92	760 0	36	2.2	72	w.	6	2.7	.....	o	8 ks	.....	w.	o	o	cloudy	S. W. Morrison.
Huron, Dakota	28.89	733.8	30.34	770.6	29.7	— 1.3	79	n.	5	2.2	.....	.....	10 s	.....	.....	o	o	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.20	741.7	30.02	762.5	37.0	2.8	72	n.	5	2.2	.....	o	9 k	.....	n.	0.01	0.3	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.99	761.7	30.02	762.5	63.2	17.4	98	s.	11	4.9	.....	o	2 k	.....	s.	o	o	clear	I. A. Reed.
Jacksonville Florida	30.06	763.5	30.10	764.5	48.5	9.2	74	nw.	4	1.8	.....	o	o	.....	.....	o	o	clear	J. W. Smith.
Keokuk, Iowa	29.46	748.3	30.13	765.3	35.2	1.8	81	nw.	4	1.8	.....	o	3 k	.....	nw.	inap.	inap.	clear	F. Z. Gosewisch.
Key West, Florida	30.05	763.5	30.08	764.0	71.8	22.1	74	n.	12	5.4	.....	o	4 k	.....	n.	o	o	fair	J. Harvey Smith.
Kittyhawk, North Carolina	29.85	758.2	29.87	758.7	44.4	6.9	73	nw.	22	9.8	.....	o	o	.....	.....	o	o	clear	Wesley Blake.
Knoxville, Tennessee	28.98	736.1	30.02	762.5	40	4.4	76	s.	2	0.9	.....	.....	10 n	.....	.....	inap.	inap.	light rain	J. A. Cody.
La Crosse, Wisconsin	29.32	744.7	30.12	765.0	35.0	1.7	75	n.	3	1.3	.....	.....	10 s	.....	.....	o	o	cloudy	S. C. Emery.
Leavenworth, Kansas	29.34	745.2	30.25	768.3	34	1.1	78	nw.	9	4.0	.....	o	3 s	.....	nw.	0.06	1.5	clear	C. Dill.
Lewiston, Idaho	28.73	729.7	29.58	751.3	52.0	11.1	76	ne.	1	0.4	.....	o	4 k	.....	.....	o	o	fair	C. E. Butler.
Little Rock, Arkansas	29.78	756.4	30.10	764.5	49.0	9.4	63	n.	12	5.4	.....	o	o	.....	.....	o	o	clear	W. U. Simons.
Los Angeles, California	29.51	749.5	29.91	759.7	55.0	12.8	90	s.	6	2.7	.....	.....	10 n	.....	.....	2.20	55.9	light rain	T. S. Collins.
Louisville, Kentucky	29.45	748.0	30.02	762.5	39.5	4.2	86	nw.	4	1.8	.....	.....	10 n	.....	w.	0.07	1.8	light rain	E. B. Garriott.
Lynchburg, Virginia	29.21	741.9	29.92	760.0	43.0	6.1	60	nw.	8	3.6	.....	4 cs	o	.....	.....	inap.	inap.	fair	Jno. Healy.
Mackinaw City, Michigan	29.31	744.5	29.99	761.7	35.0	1.7	90	nw.	6	2.7	.....	.....	10 s	.....	.....	o	o	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.95	760.7	29.96	761.0	43.5	6.4	51	nw.	20	8.9	.....	o	hz.	.....	.....	o	o	clear	William Daly.
Maginnis, Fort, Montana	25.43	645.9	29.93	760.2	28.3	— 2.1	47	se.	3	1.3	.....	10 c	o	.....	.....	o	o	cloudy	F. Burke.
Marquette, Michigan	29.36	745.7	30.11	764.8	30.3	— 0.8	88	n.	11	4.9	.....	.....	10 s	.....	nw.	0.03	0.8	cloudy	J. Gilligan.
Memphis, Tennessee	29.65	753.1	29.99	761.7	48.5	9.2	71	nw.	24	10.7	.....	hz.	hz; r s	.....	nw.	o	o	dense haze	D. T. Flannery.
Milwaukee, Wisconsin	29.30	744.2	30.07	763.8	35.4	1.9	83	n.	4	1.8	.....	9 ck	o	n.	.....	inap.	inap.	cloudy	S. W. Rhode.
Mobile, Alabama	30.06	763.5	30.10	764.5	48.3	9.1	74	sw.	2	0.9	.....	o	o	.....	.....	o	o	clear	H. U. Jones.
Montgomery, Alabama	29.83	757.7	30.06	763.5	43.2	6.2	80	sw.	1	0.4	.....	o	fg.	.....	.....	o	o	clear	S. M. Leitzell.
Moorhead, Minnesota	29.26	743.2	30.29	769.4	29.0	— 1.7	77	n.	9	4.0	.....	.....	10 s	.....	.....	inap.	inap.	clear	L. M. Dey.
Mt. Washington, N. H.	23.15	588 0	29.56	750.8	17.8	— 7.9	100	ne.	12	5.4	.....	.....	10n; fg	.....	ne.	0.05	1.3	light snow	E. A. Beals.
Nashville, Tennessee	29.37	746.0	29.95	760.7	41.2	5.1	73	ne.	8	3.6	.....	.....	10 n	.....	w.	inap.	inap.	light rain	L. N. Jesunofsky
New Haven, Connecticut	29.36	745.7	29.48	748.8	38.1	3.4	87	n.	11	4.9	.....	5 ck	o	n.	.....	0.51	13.0	fair	J. H. Sherman.
New London, Connecticut	29.37	746.0	29.42	747.3	37.0	2.8	94	nw.	8	3.6	.....	.....	10 s	.....	w.	0.24	6.1	cloudy	J. G. Lynch.
New Orleans, Louisiana	30.05	763.3	30.11	764.8	59.4	15.2	83	w	1	0.4	.....	o	hz.	.....	.....	o	o	clear	M. Herman.
New York, New York	29.38	746.2	29.56	750.8	40.3	4.6	88	nw.	1	0.4	.....	o	9 k	.....	nw.	0.68	17.3	clearing	W. Finn.
Norfolk, Virginia	29.81	757.2	29.84	757.9	46.0	7.8	56	w.	10	4.5	.....	o	o	.....	.....	o	o	clear	Wm. Davis.
North Platte, Nebraska	27.27	692.6	30.23	767.8	29.6	— 1.3	66	calm	0	0	.....	o	5 s	.....	.....	o	o	fair	E. F. Brady.
Olympia, Washington Ter	29.57	751.1	29.61	752.1	53.5	11.9	83	calm	0	0	.....	.....	10 s	.....	.....	0.27	6.9	cloudy	J. Dascomb
Omaha, Nebraska	29.08	738.6	30.30	769.6	32.2	0.1	76	n.	8	3.6	.....	.....	10 s	.....	.....	1.50	38.1	cloudy	A. Pollak
Oswego, New York	29.35	745.5	29.69	754.1	37.4	3.0	86	nw.	6	2.7	.....	3ck; hz	4s; hz	nw.	nw.	inap.	inap.	fair	J. G. Linsley.
Palestine, Texas	29.52	749.8	30.08	764.0	52.5	11.4	80	sw.	4	1.8	.....	o	o	.....	.....	o	o	clear	P. T. Jenkins.
Pensacola, Florida	30.07	763.8	30.10	764.5	49.1	9.5	85	ne.	2	0.9	.....	o	sk.	.....	.....	o	o	clear	M. McGauran.
Philadelphia, Pa	29.52	749.8	29.64	752.8	42	5.6	65	w.	22	9.8	.....	3 c	hz.	w.	.....	0.24	6.1	clear	T. F. Townsend.
Pike's Peak, Colorado	17.60	449.3	29.97	761.2	12.0	—11.1	76	sw.	34	15.2	.....	6 cs	o	w.	.....	o	o	fair	H. Hall.
Pittsburg, Pennsylvania	29.07	738.4	29.90	759.4	39.4	4.1	77	w.	11	4.9	.....	.....	10 s	.....	nw.	0.05	1.3	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	24.5	— 4.2	93	.....	.....	.....	.....	.....	10 s	.....	.....	o	o	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.18	741.2	29.88	758.9	33.0	0.6	85	nw.	7	3.1	.....	o	o	.....	.....	o	o	clear	M. H. Perry
Portland, Maine	29.38	746 2	29.43	747.5	36.6	2.6	89	ne.	17	7.6	.....	.....	10n; fg	.....	nw.	0.16	4.1	light rain	W. W. Eichelberger.
Portland, Oregon	29.52	749.8	29.59	751.6	51.0	10.6	93	calm	0	0	.....	.....	10 s	.....	.....	0.15	3.8	cloudy	M. L. Hearne.
Prescott, Arizona	24.58	624.3	29.85	758.2	45.0	7.2	83	s.	13	5.8	.....	o	3 s	.....	s.	o	o	clear	J. Glover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. N. Kitchel.
Red Bluff, California	29.29	744.0	29.65	753.1	52	11.1	100	n	4	1.8	.....	.....	10 n	.....	.....	0.33	8.4	light rain	J. R. Williams.
Rio Grande City, Texas	29.77	756.1	30.01	702.2	69.0	20.6	90	se	5	2.2	.....	o	9 s	.....	se.	o	o	cloudy	L. G. Schultz.
Rochester, N. Y	29.07	738.4	29.76	755.9	36	2.2	79	nw.	12	5.4	.....	.....	10k; sk	.....	nw.	inap.	inap.	cloudy	E. W. McGann.
Roseburg, Oregon	29.04	737.6	29.60	751.8	49.2	9.6	93	s	2	0.9	.....	.....	10 s	.....	s.	0.73	18.5	threatening	J. J. Nanry.
Sacramento, California	29.55	750.6	29.62	752.3	54.7	12.6	88	se.	14	6.3	.....	.....	10 n	.....	se.	0.58	14.7	light rain	J. A. Barwick.
St. Louis, Missouri	29.50	749 3	30.13	765.3	37.2	2.9	87	nw.	9	4.0	.....	.....	10k; sk	.....	nw.	0.27	6.9	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	30.16	766 1	30.20	767.1	33	0.6	100	s.	6	2.7	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.29	744.0	30.17	766.3	39.8	4.3	59	nw.	7	3.1	.....	.....	10 k	.....	n	inap.	inap.	cloudy	P. F Lyons.
St. Vincent, Minnesota	29 43	747.5	30.34	770.6	22	— 5.6	87	nw.	4	1.8	.....	.....	10 s	.....	.....	o	o	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.40	645 1	29.77	756.1	52.0	11.1	61	se.	16	7.2	.....	o	1 k	.....	sw.	0.87	22.1	threatening	J. Craig.
San Diego, California	29.87	758.7	29.94	760.5	58.2	14.6	93	s.	7	3.1	.....	.....	10 ks	.....	w.	o	o	clear	F. R. Day.
Sandusky, Ohio	29.29	744.0	29.99	761.7	38.5	3.6	78	w.	11	4.9	.....	.....	10 k	.....	nw.	0.54	13.7	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.53	750.0	29.56	750.8	42.2	5.7	83	nw.	21	9.4	.....	.....	10 k	.....	.....	o	o	cloudy	V. P. Chappel.
Sanford, Florida	30.04	763.0	30.09	764.3	53.0	11.7	80	nw.	7	3.1	.....	o	o	.....	.....	o	o	clear	J. B. Marbury
San Francisco, California	29.51	749 5	29.58	751.3	56.2	13.4	92	sw.	9	4.0	.....	.....	10n; fg	.....	s.	0.83	21.1	light rain	N. Gorom.
Savannah, Georgia	29.99	761.7	30.08	764.0	47.3	8.5	55	w.	2	0.9	.....	o	o	.....	.....	o	o	clear	H. W. Ford.
Shaw, Fort, Montana	26.35	669.3	30.02	762.5	30	— 1.1	80	nw.	4	1.8	.....	2 cs	o	.....	.....	o	o	clear	A. L. Mathews.
Shreveport, Louisiana	29.86	758 4	30.10	764.5	51.4	10.8	71	sw.	1	0.4	.....	o	2 s	.....	.....	o	o	clear	E. N. Meekins.
Sitka, Alaska	29.87	758.7	29.94	760.5	38.6	3.7	67	e.	4	1.8	.....	o	o	.....	.....	o	o	clear	F. W. Fickett.
Smithville, North Carolina	29.97	761.2	30.01	762.2	42.3	5.7	56	nw.	6	2.7	.....	o	o	.....	.....	o	o	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.55	699.8	29.61	752.1	53.2	11.8	57	e.	5	2.2	.....	o	7 k	.....	e.	o	o	fair	D. Moore.
Springfield, Illinois	29.42	747.3	30.12	765.0	42.4	5.8	71	n.	4	1.8	.....	.....	10 s	.....	nw.	0.01	0.3	cloudy	W. Norrington.
Stockton, Fort, Texas	26.86	682.2	29.89	759.2	56.5	13.6	90	calm	0	0	.....	.....	10 s	.....	.....	o	o	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.54	750.3	29.64	752.8	48.9	9.4	95	sw.	4	1.8	.....	.....	10 n	.....	sw.	0.31	7.9	light rain	R. Connor.
Thomas, Camp, Arizona	27.15	689.6	29.88	758.9	46 5	8.1	60	calm	.....	.....	.....	o	o	o	.....	o	o	clear	R. C. Lords
Toledo, Ohio	29.25	742.9	29.96	761.0	38	3.3	82	nw.	4	1.8	.....	.....	10 s	.....	nw	inap.	inap.	cloudy	A. Buell.
Unalashka, Alaska	30.36	771.1	30.38	771.6	41	5.0	73	s.	3	1.3	.....	.....	10 s	.....	.....	o	o	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.81	757.2	30.07	763.8	53	11.7	66	s.	4	1.8	.....	o	o	.....	.....	o	o	clear	F. W. Mixer.
Washington, D. C	29.67	753.6	29.79	756.7	42.2	5.7	65	nw.	12	5.4	.....	2 c	hz.	nw.	.....	0.24	6.1	clear	T. B. Harrison.
West Las Animas, Colorado	26.15	664.2	30.10	764.5	26.5	— 3.1	77	se.	5	2.2	.....	o	o	.....	.....	o	o	clear	F. H. Brandenburg.
Wilmington, N Carolina	29.96	761.0	30.02	762.5	45.0	7.2	45	nw.	3	1.3	.....	o	o	.....	.....	o	o	clear	L. H. Albrecht.
Yankton, Dakota	28.98	736.1	30.32	770.1	30.3	— 0.9	88	n.	8	3.6	.....	.....	10 s	.....	n.	0.02	0.5	cloudy	E. H. Thompson.
Yuma, Arizona	29.70	754 4	29.85	758.2	58.6	14.8	81	s.	1	0.4	.....	o	1 s	.....	.....	o	o	clear	W. S Delano.
Sub-series.																			
Behringsland, Kamchatka	29.77	756.1	29.79	756.7	15.2	— 9.3	.....	nw.	4	1.8	.....	o	8 n	.....	w.	inap.	inap.	cloudy	George Oherwick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	85	29.4	.....	nw.	.....	.....	3	o	9 n	.....	n.	0.18	4.6	raining	W. P. Jackson.
Bogota, U. S. C	22.03	559.7	.....	.....	51.8	11.0	86	calm	o	o	.....	4 fc	o	w.	.....	o	o	cloudy	Joaquin Gomez.
Chimo, Fort, Ungava	30.01	762.2	30.16	766.1	13	—10.6	100	nw.	7	3.1	.....	.....	10 s	.....	nw.	o	o	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.07	763.8	77	25.0	74	n.	1	0.4	.....	o	1 s	.....	e.	o	o	fine	Robert Johnstone.
Paramaribo, S. A	30.04	763.0	30.04	763.0	80	26.7	82	e.	.....	.....	2	4 ck	4 s	e.	.....	0.120	3.0	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.39	746.5	29.95	760.7	75	23.9	94	s.	.....	.....	1	.....	10 k	.....	calm	o	o	foggy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	29.87?	758.7?	30.03?	762.7?	77	25.0	84	ne.	.....	.....	1	.....	3 ks	.....	ne.	o	o	fair	Earl Flint.
York Factory, B. A	29.89	759.2	29.96	761.0	—21.0	—29.4	.....	nw.	13	5.8	.....	o	1 s	.....	nw.	o	o	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fastiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S.S. Arizona, N. 45° 00′, W. 37° 08′	29.45	748.0	45	7.2	.....	nw.	.....	.....	7-9	.....	7	.....	n.	0	0	high	nnw.	hail squ'lls.
S. S. Alvo, Jacmel, Hayti, W.I*	29.99	761.7	75	23.9	.....	s.	.....	.....	1-2	.....	9	.....	calm	1 h'r	1 h'r	long	.....	overcast.
S. S. Alps, Aguadilla, Porto Rico, W. I *†	30.03	762.7	83	28.3	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	chop	n.	clear.
S. S. Ailsa, N. 11° 48′, W. 82° 27′	.....	.....	79.5	26.4	89	n.	.....	.....	2	.....	2	.....	n.	3 h'r	3 h'r	sm'h	.....	fair.
S. S. Abyssinia, N. 46° 44′, W. 33° 03′*	29.30	744.2	46	7.8	84	nnw.	.....	.....	9	.....	4	.....	nw.	11 h'r	11 h'r	hv'y	nnw.	hazy.
S. S. Assyrian Monarch, N. 42° 10′, W. 60° 02′ †.....	29.40	746.7	.....	.....	.....	ssw.	.....	.....	5	.....	6	.....	wsw.	6 h'r	6 h'r	h'vy	wsw.	hazy.
S. S. Bohemia, N. 44° 40′, W. 33° 54′	.....	.....	.....	.....	.....	nw.	.....	.....	8-9	.....	8	.....	nw.	o	o	r'gh	nw.	squally.
S. S. Britannic, N. 42° 00′, W 54° 22′*†	29.46	748.3	53	11.7	.....	s.	.....	.....	5	.....	7	.....	w.	4 h'r	4 h'r	mod.	nw.	squally.
S. S. City of Washington, N. 21° 20′, W. 89° 38′*†	30.10	764 5	85	29.4	.....	s.	.....	.....	3	.....	2	.....	s.	o	o	.....	.....	clear.
Bk. U. S. Bushnell, N. 38° 52′, W. 11° 40′	29.93	760.2	.....	.....	.....	ssw.	.....	.....	4	.....	8	.....	sw.	o	o	long	w.	foggy.
S. S. Circassian, N. 46° 48′ W. 38° 20′	.....	.....	41	5.0	91	wnw	.....	.....	6	.....	7	.....	wnw.	.....	.....	6	nw.	showery.
S. S. Denmark, N. 44° 57′, W. 33° 46′	.....	.....	54	12.2	67	wnw.	.....	.....	9	.....	4	.....	wnw.	sh'rs	sh'rs	h'vy	nw.	clear.
S. E. B. Sutton, N. 37° 00′, W. 45° 50′*†	30.07	763.8	58	14.4	82	s.	.....	.....	1	.....	5	.....	.....	o	o	h'vy	cross	fair.
S. S. Elbe, N. 40° 33′, W. 66° 53′	29.41	747.0	41 0	5.0	.....	sse.	.....	.....	4	.....	9	.....	s.	2 h'r	2 h'r	mod.	s.	cloudy.
S. S. Elder, N. 50° 10′ W. 11° 20′*	29.81	757.1	51.8	11.0	.....	sse.	.....	.....	4	.....	10	.....	se.	2 h'r	2 h'r	mod.	sse	hazy.
S. S. Fulda, N. 50° 40′, W. 0° 02′	29.91	759.8	49.1	9.5	92	nne.	.....	.....	5	.....	5	.....	nnw.	o	o	mod.	nne.	hazy.
S. S. Gellert, N. 49° 41′, W. 12° 03′	.....	.....	54	12.2	.....	ese.	.....	.....	4	.....	3?	.....	se.	1 h'r	1 h'r	mod.	ese.	covered.?
S. S. Helvetia, N. 41° 34′, W. 46° 28′	29.90	759.4	51	10.6	79	sse.	.....	.....	2	.....	10	.....	.....	o	o	h'vy	n.	overcast.
Bk. Heinrich & Tonio, N. 39° 20′, W. 69° 30′	.....	.....	43	6.1	92	wnw.	.....	.....	6	.....	6	.....	wnw.	rain	rain	.....	w.	squally.
Bg. L. & W. Armstrong, N. 33° 34′, W. 69° 30′*†	29.76	755.9	.....	.....	.....	wnw.	.....	.....	7	.....	2	.....	wnw.	½ h'r	½ h'r	high	cross	
S. S. Lone Star, N. 31° 15′, W. 79° 10′*†	30.00	762.0	60	15.6	.....	nnw.	.....	.....	5	.....	0	.....	.....	o	o	r'gh	nnw.	clear.
S. S. Llandaff City, N. 40° 34′, W. 62° 38′ *†	29.40	746.7	54	12.2	.....	w.	.....	.....	5	.....	3	.....	wsw.	rain	rain	high	w.	clear.
Schr. Maggie Abbott, N. 38° 20′, W. 70° 10′ *†	29.30	744.2	.....	.....	.....	w.	.....	.....	6	.....	8	.....	w.	h'vy	h'vy	.....	.....	cloudy.
S. S. Madrid, N. 38° 05′, W. 76° 15′	.....	.....	44	6.7	84	nw.	.....	.....	0?	.....	9	.....	.....	4 h'r	4 h'r	.....	.....	fair?
S. S. Main, N. 40° 30′, W. 73° 00′	29.49	749.0	39.2	4.0	.....	n.	.....	.....	5	.....	6?	.....	n.	2 h'r	2 h'r	mod.	n.	covered.?
S. S. Marengo, N. 41° 32′, W. 47° 00′	29.91	759.7	42	5.6	.....	wsw.	.....	.....	3	.....	5	.....	nw.	3 h'r	3 h'r	h'vy	n.	overcast.
S. S. Nova Scotian, N. 56° 54′ W. 13° 56′	.....	.....	52	11.1	.....	ese.	.....	.....	4	.....	10	.....	s.	.....	.....	long	s.	cloudy.
S. S. Oregon, (Br.) N. 45° 27′, W. 39° 26′	29.61	752.1	41	5.0	.....	nw.	.....	.....	8	.....	9	.....	nw.	10 h'r	10 h'r	h'vy	n.	cloudy.
S. S. Olbers, N. 26° 29′, W. 64° 00′	.....	.....	74.5	23.6	88	sw.	.....	.....	6	.....	9	.....	w.	.....	.....	2	nw.	hazy.
S. S. P. Caland, N. 47° 11′, W. 26° 30′	28.77	730.7	55.8	13.2	.....	var.	.....	.....	7	.....	mist	.....	.....	6 h'r	6 h'r	6	wnw.	stormy.
S. S. Republic, N. 50° 41′, W. 15° 09′	.....	.....	53	11.7	.....	s.	.....	.....	5	.....	10	.....	.....	7 h'r	7 h'r	r'gh	w;sw	raining.
S. S. State of Georgia, N. 48° 48′, W. 34° 25′†	28.98	736.1	47	8.3	.....	wnw.	.....	.....	9	.....	10	.....	nw.	hail	hail	r'gh	wnw.	raining.
Bk. Tuck Sing, N. 37° 53′, W. 73° 08′	.....	.....	.....	.....	.....	wnw.	.....	.....	6	.....	10	.....	.....	½ h'r	½ h'r	short	wnw.	cloudy.
S. S. The Queen N. 51° 50′, W. 7° 45′	.....	.....	55	12.8	.....	se.	.....	.....	4	.....	0	.....	.....	o	o	sm'h	sw.	clear.
S. S. Valencia, N. 35° 04′, W. 72° 56′ †	29.74	755.4	54	12.2	80	wnw.	.....	.....	8	.....	9	.....	nw.	o	o	h'vy	wnw.	squally.
S. S. Vaderland, N. 44° 30′, W. 39° 03′*†	29.63	752.6	45	7.2	.....	nw.	.....	.....	9	.....	5	.....	nw.	10 h'r	10 h'r	mod.	w.	squally
S. S. Wieland, N. 48° 57′, W. 27° 13′	.....	.....	54	12.2	.....	nw.	.....	.....	5	.....	10	.....	s.	rain	rain	r'gh	se.	squally.
S. S. Weser, N. 48° 21′, W. 25° 39′	28.91	734.3	51.8	11.0	.....	s.	.....	.....	7	.....	10	.....	s.	8 h'r	8 h'r	5	s	cloudy.
S. S. Westernland, Antwerp, Belgium	29.81	757.2	49	9.4	85	nw.	.....	.....	2	.....	10	.....	nw.	o	o	.....	.....	overcast.
S. S. Waesland, Antwerp, Belgium	29.82	757.4	47	8.3	.....	nw.	.....	.....	6	.....	10	.....	nw.	2 h'r	2 h'r	.....	.....	rainy.
S. S. Lessing, N. 40° 55′, W. 62° 36′	29.35	745.5	58	14.4	.....	w.	.....	.....	5	.....	10	.....	w.	2 h'r	2 h'r	r'gh	w.	squally.
Bk. Alpha, N. 23° 40′, W. 68° 30′ *†	30.02	762.5	77	25.0	.....	ssw.	.....	.....	3	.....	4	.....	s.	2 h'r	2 h'r	sm'h	.....	fair.
Schr. Adda Doane, Port Antonio, Jamaica, W. I.	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	4	.....	e.	o	o	short	se.	fair.
S. S. British Princess, N. 49° 00′, W. 25° 00′†	28.86	733.0	.....	.....	.....	se.	.....	.....	7	.....	8	.....	se.	3 h'r	3 h'r	high	var.	cloudy.
S. S. Caracas, N. 13° 32′, W. 68° 23′ *†	30.10	764.5	79	26.1	80	e.	.....	.....	6	.....	3	.....	ese.	1 h'r	1 h'r	short	ese.	clear.
S. S. Chalmette, N. 28° 55′. W. 89° 00′†	30.15	765.8	60	15.6	.....	nw	.....	.....	3	.....	0	.....	.....	o	o	sm'h	.....	clear.
S. S. Devonia, N. 43° 30′. W. 47° 43′†	29.88	758.9	36	2.2	.....	nw.	.....	.....	2	.....	10	.....	nw.	o	o	h'vy	ne.	cloudy.
Bk. Esmeralda, Calf of Man, Irish Sea	30.05	763.3	.....	.....	.....	e.	.....	.....	4	.....	0	.....	.....	o	o	sm'h	.....	clear.
S. S. Erin, N. 40° 41′, W. 69° 04′	29.40	746.7	38	3.3	.....	sw.	.....	.....	1	.....	10	.....	wsw.	2 h'r	2 h'r	short	sw.	dull.
S. S. England, N. 49° 35′, W. 22° 55′	29.00	736.6	.....	.....	.....	ssw.	.....	.....	5	.....	0	.....	.....	6 h'r	6 h'r	h'vy	w.	clear.
S. S. Foscolia, N. 40° 23′, W 28° 08′	29.48	748.8	59	15.0	.....	nw.	.....	.....	6	.....	2	.....	wnw.	2 h'r	2 h'r	h'vy	wnw.	squally.
S. S. Habsburg, N. 42° 16′. W. 36° 07′	29.63	752.6	.....	.....	.....	nw.	.....	.....	6-7	.....	8	.....	nw.	10 h'r	10 h'r	h'vy	var.	squally.
Bk. Idaho, N. 19° 36′, W. 75° 43′ *†	30.05	763.3	.....	.....	.....	nnw.	.....	.....	2	.....	0	.....	.....	o	o	sm'h	.....	clear.
Bg. Lilian. N 18° 40′, W. 56° 40′	.....	.....	.....	.....	.....	ese.	.....	.....	3	.....	1?	.....	.....	o	o	sm'h	se.	fair?
S. S. Labrador. N. 47° 16′, W. 34° 45′	.....	.....	51.8	11	.....	nnw.	.....	.....	7	.....	5	.....	nw.	.....	.....	h'vy	nw.	fair.
S. S. Muriel, Dominica, W. I	.....	.....	80	26.7	.....	e	.....	.....	3	.....	0	.....	.....	o	o	.....	.....	clear.
S. S. Pennsylvania, N. 39° 01′, W. 65° 20′	.....	.....	47	8.3	92	ssw.	.....	.....	1	.....	6	.....	sw.	2 h'r	2 h'r	mod	ssw.	fair.
S. S. Prussian, N. 50° 14′, W. 31° 14′	.....	.....	50	10.0	.....	nnw.	.....	.....	4	.....	10	.....	nw.	10 h'r	10 h'r	cross	.....	drizzling.
S. S. Samaria, N. 45° 09′ W. 43° 47′*	29.72	754.9	38	3.3	.....	n.	.....	.....	5	.....	7	.....	nw.	o	o	h'vy	ne.	fair.
Bk. Tros, N. 26° 07′. W. 65° 39′*†	29.95	760.7	73	22.8	.....	wsw.	.....	.....	2	.....	3?	.....	.....	2 h'r	2 h'r	mod.	sw	cloudy.?
S. Tsernogora, N. 38° 33′, W. 70° 13′ *†	29.35	745.5	.....	.....	.....	w.	.....	.....	8	.....	5	.....	w.	.....	.....	[illegible]	w.	heavy gale.
S. S. Werra, N. 41° 26′, W. 59° 45′*	29.41	747.0	58.1	14.5	.....	ssw.	.....	.....	6	.....	6	.....	sw.	2 h'r	2 h'r	mod.	sw.	fine.
U. S. S. Alliance, N. 20° 22′, W. 71° 27′	30.04	763.0	79	26.1	86	sw.	.....	.....	1	.....	8	.....	se.	hv'y	hv'y	sm'h	.....	cloudy.
U. S. S. Galena, Cape Haytien, Hayti, W.I *	30.03	762.7	78	25.6	86	calm	.....	.....	0	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Jamestown, St. Kitts, W.I.	30.12	765.0	78	25.6	69	ese.	.....	.....	2	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Kearsarge, Beirut, Syria	30.05	763.3	70	21.1	75	nw.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Lancaster, Beirut, Syria	30.02	762.5	73	22.8	85	nw.	.....	.....	2	.....	1	.....	nw.	.....	.....	sm'h	.....	clear.
U. S. S. Pensacola, N. 0° 27′, W. 33° 24′†	29.98	761.5	75	23.9	100	n.	.....	.....	3	.....	10	.....	n.	0.66	16.8	con.	.....	cloudy.
U. S. S. Portsmouth, N. 26° 14′, W. 69° 47′	29.99	761.7	71	21.7	90	w.	.....	.....	3	.....	2	.....	w.	.....	.....	sm'h	.....	clear.
U. S. S. Quinnebaug, Tripoli, Tripoli	29.74	755 4	66	18.9	79	ene.	.....	.....	3	.....	2	.....	ene.	.....	.....	sm'h	.....	fair.
U. S. S. Saratoga, Lisbon, Portugal	29.98	761.5	58	14.4	94	w.	.....	.....	2	.....	2?	.....	w.	o	o	sm'h	.....	overcast?
U. S. S. Swatara, Matanzas, Cuba, W. I.	30.05	763.3	70	21.1	95	sw.	.....	.....	1	.....	0	.....	.....	o	o	.....	.....	clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.07	763.8	69	20.6	85	sw.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Yantic, N. 21° 32′, W. 76° 30′	30.10	764.5	76	24.4	82	ene.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	.....	.....	69	20.6	70	e.	.....	.....	1	.....	10	.....	e.	.....	.....	.....	.....	overcast.
H. M. S. Alecto, N. 5° 33′, W. 0° 04′	29.85	758.2	86	30 0	.....	ssw.	.....	.....	2	.....	2	.....	.....	.....	.....	3	ssw.	d. clouds.
H. M. S. Himalaya, N. 37° 30′, E. 9° 40′	29.87	758.7	68	20.0	79	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Inflexible, Zante, Ionian Ids	29.98	761.5	64	17.8	100	ene.	.....	.....	1	.....	1	ene.	.....	.....	.....	1	.....	blue sky
H. M. S. Minotaur, Phalerum Bay, Greece	29.96	761.0	63	17.2	72	sse.	.....	.....	3	.....	8	.....	.....	.....	.....	.....	.....	misty.
H. M. S. Tyne, N. 35° 23′, E. 18° 58′	29.94	760.5	61	17.8	83	ese.	.....	.....	2	.....	1	calm	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.87	758 7	89.2	31.8	72	se.	.....	.....	4	.....	1	.....	se	9	0	4	sse.	blue sky.
S. S. British Crown, N. 40° 45′, W. 49° 00′†	29.86	758.4	50	10 0	.....	sse.	.....	.....	5	.....	9	.....	s.	4 h'r	4 h'r	h'vy	con.	
S. S. British Prince, N. 51° 34′, W. 8° 43*	29.85	758.2	56	13.3	87	se.	.....	.....	2	.....	6	.....	se.	o	o	.....	.....	fine.
S. S. Lord Gough, N. 39° 12′, W. 72° 47′	.....	.....	39	3.9	.....	wnw.	.....	.....	6	.....	8	.....	wnw.	o	o	mod.	wnw	cloudy.
S. S. Scandinavian, N. 41° 54′, W. 48° 27′	.....	.....	37	2.8	.....	se.	.....	.....	2	.....	8	.....	ese.	o	o	con.	var.	1. clouds.
S. S. Sardinian, N. 40° 32′, W. 68° 01′	29.38	746.2	42	5.6	.....	n.	.....	.....	2	.....	7	.....	nw.	1½ hr	1½ hr	mod.	w.	cloudy.
S. S. Dorian, N. 40° 31′, W. 24° 45′	29.61	752.1	58	14 4	.....	w.	.....	.....	5	.....	6	.....	w.	4 h'r	4 h'r	long	w.	fine.
S. S. Westphalia, N. 52° 10′, E. 3° 30′	29.89	759.2	40	4.4	.....	e.	.....	.....	3	.....	5?	.....	e.	o	o	.....	.....	clear.?
S. S. Moravia, N. 49° 33′, W. 17° 16′	.....	.....	50.0	10	.....	sse.	.....	.....	5	.....	9	.....	s.	6 h'r	6 h'r	sm'h	s.	misty.
S. S. Hevelius, N. 51° 10′, E. 2° 00′†	29.79	756.7	46	7.8	.....	ene.	.....	.....	6	.....	7	.....	ne.	1 h'r	1 h'r	.....	.....	cloudy.
S. S. Archimede (It), Palermo, Sicily †	29.92	760.0	66	18.9	.....	nnw.	.....	.....	2	.....	4	.....	nnw.	o	o	.....	.....	fair.
S. S. Donau, N. 48° 12′, W. 27° 55′	28 78	731.0	.....	.....	.....	s.	.....	.....	6	.....	10	.....	s.	12 h'r	12 h'r	r'gh	s;w.	covered.
S. S. Baltimore, N. 49° 11′, W. 22° 10′	.....	.....	55.4	13.0	.....	ssw.	.....	.....	6	.....	0	.....	.....	o	o	mod.	s.	clear.
S. S. City of Augusta, New York, N. Y.	.....	.....	.....	.....	.....	nne.	.....	.....	4	.....	10	.....	nnw.	o	o	.....	.....	cloudy.
S. S. Belgenland, N. 46° 33′, W. 29° 15′	.....	.....	51	10.6	100	wnw.	.....	.....	7	.....	.....	.....	wnw.	o	o	h'vy	wnw.	overcast.
S. S. Penniand, Antwerp, Belgium	.....	.....	.....	.....	92	n.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	.....	rainy.
S. S. Amsterdam, Amsterdam, Holland	.....	.....	56.5	13.6	91	s.	.....	.....	3	.....	10	.....	s.	18 h'r	18 h'r	.....	.....	raining.
S. S. Zaandam, N. 44° 40′ W. 39° 02′	.....	.....	50.2	10.1	84	nw.	.....	.....	6	.....	8	.....	nw.	7 h'r	7 h'r	h'vy	nw.	hazy.
S. S. Maasdam, N. 39° 49′. W. 55° 36′*	29.50	749.3	64	17.8	92	sw.	.....	.....	6	.....	10	.....	wsw.	5 h'r	5 h'r	4	s	overcast.
Bg. Alcira. N. 15° 22′, W. 68° 15′	30.02	762.5	80	26.7	.....	ese.	.....	.....	3	.....	2	.....	se.	o	o	short	sse.	hazy.
S. S. Antonio Lopez, San Juan, Porto Rico, W. I	30.10	764 5	75.5	24.2	.....	s.	.....	.....	1	.....	2	.....	.....	o	o	.....	.....	clear.
Schr. Arthur Burton, Ponce, Porto Rico, W.I†	30.07	763.8	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	ne.	o	o	sm'h	.....	fine.
Schr. Annie R. Lewis, N. 19° 45′, W. 69° 01′†	30.04	763.0	80	26.7	.....	s.	.....	.....	2	.....	1	.....	w.	o	o	mod.	n.	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Amount and kind.		Direction.						
									Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																	
Schr. Annie A. Holton, N 29° 19′, W. 69° 40′*†	29.85	758.2	70	21.1		nw.			5		8		nw.	½ hr	½ hr	rg'h	sw.	fair.
Bk. Aureola, N. 22° 37′, W. 29° 36′†	30.22	767.6			73	nnw.			2		5			0	0	sm'h		fair.
Bk. Abbie Clifford, Port of Spain, Trinidad, W.I†	29.98	761.5	76	24.4		ese.			1		9		calm	0	0			overcast.
Bgt. Achsah, N. 22° 05′, W. 64° 37′†-	30.09	764.3	79	26.1		s.			3		4		s.	0	0	mod.	se.	clear.
Bk. Adelaide, N. 14° 13′, W. 54° 28′			80	26.7		e.			5		4		ene.	0	0	r'gh	ene.	fair.
Schr. Abbie H. Gheen, N. 38° 00′, W. 72° 40′			54	12.2		wnw.			9									squally.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†-	30.00	762.0	80	26.7		ene.			4		8		ene.	6 h'r	6 h'r			cloudy.
Bk. Cato, N. 55° 30′, E 3° 00′†-	30.06	763.5	49	9.4	89	ene			3		4		ene.	0	0			clear.
S. Cornelius, N. 28° 58′. W. 20° 28′*†	30.05	763.3	68.4	20.2		sw.			3		4		w.	0	0	long	wnw.	fair.
Bk. Diamant, N. 39° 52′, W. 46° 10′	30.00	762.0	49.6	9.8	63	nw.			4		5		nnw.	0	0	5	ne.	fair.
Bk. E. J. Spicer, N. 40° 00′, W. 51° 20′	29.83	757.7	57	13.9	94	se.			6		10		ne; s.	6 h'r	6 h'r	mod.	nne.	raining.
S. E. J. Spicer, N. 40° 00′, W. 51° 20′			57	13.9	94	se.			6		8		wnw.	1 h'r	1 h'r	h'vy	wnw.	rainy.
Schr. Edith R. Seward, N. 35° 56′, W. 71° 45′			54	12.2		wnw.			6		2		wnw.	0	0	mod.	nw.	clear.
U.S.Fish Com. S.S. Fish Hawk, Point Lookout, Md†-	29.83	757.7	46	7.8		wnw.			6		2		ne.	0	0	mod	ne.	fine.
S. Ismir, N. 12° 06′, W. 52° 26′*†	30.08	764.0				ne.			5		4		w.	rain	rain	r'gh	wnw.	fair.
Bg. George, N. 32° 00′, W. 69° 05′						w.			4		2		wsw.	8 h'r	8 h'r	short	sw.	raining.
Bk. Gloire, N. 40° 00′, W. 59° 00′			58	14.4	94	sw.			2		1		sw.	3 h'r	3 h'r	cross	var.	hazy.
S. Grecian, N. 47° 10′, W. 20° 14′†-	29.34	745.2	60	15.6	82	s.			6		1		e.	light	light			misty.
Bk. Galeon, N. 13° 06′, W. 58° 45′†	30.11	764.8	80	26.7		e.			5		4		var.	0	0	2	se.	hazy.
S. Hedwig, N. 39° 50′, E. 18° 38′	29.95	760.7	60.3	15.7	93	sse.			5		8		ne.	0	0	sm'h		fine
Bk. Hattie G. McFarland, N. 26° 07′, W. 86° 47′			72	22.2		nne.			2		4		ne.	0	0	sm'h		fine
S. Henry, N. 41° 17′, E. 18° 46′*	29.81	757.2	59.9	15.5		s.			4–5	7 ck						2-3	s.	hazy.
Bk. Horace Scudder, Gaboon river, Guinea			88	31.1		sse.			4		5		sw.	0	0			fair.
Bg. John Wesley, Sagua la Grande, Cuba, W. I *†-	30.06	763.5				n.			2		3		nnw.	0	0			fair.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†-	30.07	763.8				nne.			2		0							clear.
Schr. John Bird, Zaza, W.I *†	30.04	763.0				ne.			5				ne.	0	0			fine.
Schr. Jenny Greenbank, N 19° 40′, W. 68° 55′ *-	30.04	763.0	77	25.0		sse.			3		1		sse.	0	0	sm'h		clear.
Schr. Jennie R. Morse, Darien, Ga†	30.08	764.0				w.			2		0			0	0			fine.
Lighthouse Tender Laurel, Dry Tortugas, Fla†-	30.06	763.5	70	21.1		nw.			2		2		n.	c	0			clear.
S. S. Mendoza, N. 25° 57′, W. 65° 02′						sw.			2				w.	1 h'r	1 h'r	sm'h	nw.	clear.
Schr. Martinique, N. 29° 06′, W. 58° 58′			65	18.3		sw.			4		10		sw.	rain	rain	mod.	sw.	raining.
Schr. Norena, N. 31° 44′, W. 66° 19′†-	29.80	756.9				wnw.			3		3		nw.	10 h'r	10 h'r	high	wnw.	clear.
Bg. Rising Sun, N. 12° 44′, W. 57° 25′ †-	30.05	763.3	78	25.6		ene.			5		4		ene.	0	0	short	ese.	
Bk. Rosalie, N. 21° 30′, W. 34° 40′*†	30.14	765.5				nne.			2		2		ne.	0	0	mod.	nw.	clear.
Bkt. Rosebud, N. 27° 26′, W. 19° 26′ *	30.03	762.7	70	21.1		n.			1		0					sm'h		fine.
S Salisbury, N. 42° 06′, W. 29° 54′	29.42	747.2	54.3	12.4	78	w.			9–10		5		wnw.	3 h'r	3 h'r	h'vy	wnw.	fair.
Bk Saga, N. 38° 17′, W. 38° 40′†	29.97	761.1	56	13.3					5–8		7			4½ hr	4½ hr	9		raining.
Bgt. Sunlight, N. 37° 40′, W. 73° 00′						wnw.			8		10		nw.	3 h'r	3 h'r	h'vy	wnw.	gale.
S. Stephen D. Horton, N. 41° 56′, W. 63° 20′						wsw.			4		0			12 h'r	12 h'r	mod.	ese.	clear.
Bg. Teneriffe, N. 37° 10′, W. 73° 55′	29.71	754.6				wnw.			6		3		nw.	0	0	o	w.	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†-	30.11	764.8	78	25.6		n.			1		0			0	0			clear.
Schr. John Bracewell, Reedy Island, Del.†	29.72	754.9	41	5.0		wnw.			5		1		nw.	10 h'r	10 h'r			clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, Cape Town, Cape Colony	29.59	751.6	64	17.8	89	nw.	15	6.7			5		nw.	0	0			fair.
U. S. S. Shenandoah, S. 45° 30′, W. 04° 00′*	29.49	749.0	57	13.9	87	w.			3		0					sm'h	se.	clear.
H. M. S. Amethyst, Montevideo, Uruguay	29.83	757.7	55.8	13.2	75	nw.			2		4		sw.					d. clouds.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.69	754.1	67	19.4		wnw.			1–3		4		wnw.					squally.
H. M. S. Sylvia, S. 39° 38′, W. 17° 27′	30.42	772 7	55.2	12.9	77	nne.			2		3		calm			1	sse.	blue sky.
Bk Achille F., S. 23° 30′, W. 38° 45′*†	30.06	763.5	74.5	23.6	95	n.			5		10		n.	rain	rain			
Bk. Bore, S. 14° 45′, W. 34° 08′*†	30.10	764.5	85	29.4		se.			3				se.	0	0	sm'h	e.	clear.
S Frank N. Thayer, S. 29° 37′, W. 21° 46′*	30.16	766.1	77	25.0	82	e.			5	3 ck				0	0	light	sse.	blue sky.
S. Gatherer. S. 35° 30′, W. 40° 56′ †	29.72	751.9	69	20.6	95	sw.			2		8		sw.	2 h'r	2 h'r	r'gh	sw.	cloudy.
Bkt. Levanter, S. 4° 53′, W. 34° 17′	29.95	760.7	85	29.4		sse.			4		3		se.	0	0	light	se.	fair.
S. Ringleader, S. 12° 20′, W. 31° 40′†	29.90	759.4	84	28.9	64	sse.			4		3		se.	0	0	mod.	se.	clear.
S. S. Strassburg, S. 0° 07′, W. 30° 36′	29.98	761.5	80.5	26.9	87	ene.			3		10		ne.	15 h'r	15 h'r	3	nnw.	light rain.
Bk. Xenia, S. 24° 42′, W. 27° 36′*†	30.20	767.1	82	27.8		ene.			4		2		ene.	0	0	sm'h	s.	clear.
H.P.M.S.Rainha de Portugal, Mossamedes, Benguela.	29.87	758.8	78.8	26.0	69	ene.			2		2			½ h'r	½ h'r			blue sky.
District No. 3—North Pacific.						nw.												
U. S. S. Adams, N. 57° 14′, W. 135° 30†-	29.99	761.7	38	3.3	63	nne.			1		0							clear.
U. S. Naval Hospital, Yokohama, Japan			48	8.9	74	calm			0		0			0	0			clear.
U. S. S. Alert, Shanghai, China	30.04	763.0	66	15.6	88	calm			0		2		calm					misty.
U. S. S. Essex, N. 12° 33′, E. 165° 09′	29.94	760.5	77	25.0	91	ene.			4		2					sm'h		clear.
U. S. S. Juniata, Fernando Island, Corea	30.10	764.5	49	9.4	91	w.			1		10			light	light			cloudy.
U. S. S. Monocacy, Canton, China	29.95	760.7	67	19.4	89	nnw.			2		10			light	light			cloudy.
U. S. S. Richmond, N. 19° 12′, E. 113° 38′	29.96	761.0	78	25.6	95	sse.			4		2		sse.	0	0	sm'h		clear.
H. M. S. Audacious, Hong Kong, China	30.00	762.0	67	19.4	95	ene.			2		4		ne.					misty.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	29.97	761.2	62	16.7		calm			0		10					1		overcast.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.13	765.3	55.2	12.9	90	calm			0		10						e.	d. clouds.
H. P. M. S. Tamega, Macao, China	29.96	761.0	71.6	22.0	74	se.			3		10		se.	1 h'r	1 h'r			overcast.
U. S. S. Palos, Shanghai, China	30.02	762.5	55	12.8		calm			3		10		calm					foggy.
S. S. Newbern, N. 27° 20′, W. 114° 50′			63	17.2	88	sw.			2		10					light	w.	clear.
S. S. Arabic, N. 22° 12′, W. 159° 58′*†	29.85	758.2	70	24.4	82	calm			0		10		ne.	0	0	sm'h		raining.
S. S. City of Chester, near Cape Mendocino, Cal†	29.53	750.0	55	12.8	93	se.			4		10			0	0	long	se.	
S. S. Columbia, N. 45° 57′, W. 124° 05′*†	29.57	751.1	51	10.6	93	e.			2		2		calm	0	0	sm'h	e.	clear.
S. S. Willamette, N. 46° 34′, W. 124° 40′†-	29.62	752 3	51	10.6	85	calm			2		6		sse.	0.05	1.3	sm'h		clear.
S. S. Alameda, San Francisco, Cal †	29.60	751.8	56	13.3		sse.			0		0		calm	24 h'r	24 h'r			overcast.
S. S. Orizaba, N. 34° 22′, W. 119° 38′†	29.86	758.4	59	15.0	88	sw.			1		10		ssw.	9 h'r	9 h'r	mod.	sw.	
S. S. State of California, Portland, Oregon†	29.61	752.1	50	10.0		calm			3		5		s.					light rain.
S. S. City of Pekin, N. 35° 16′, E. 141° 14′ †	30.41	772.4	52	11.1	66	e.			0		0			0	0	sm'h		hazy.
S. S. City of Rio de Janeiro, N. 36° 37′, W. 172° 27′†	30.01	762.2	56	13.3		nnw.			2		0					long	nw.	overcast
S. S. City of Sydney, N. 3° 32′, W. 165° 21′*†	29.84	757.9	80	26.7	82	e.			5		7		nnw.			light	ene.	clear.
S. S. Colima, Acapulco, Mexico†	29.96	761.0	74	23.3	72	calm			2	c	2 8		e.					clear.
S. S. Granada, Acapulco, Mexico†	29.93	760.2	75	23.9	90	calm			0		4		calm	0	0			clear.
S. S. San Blas, Panama, Panama†	29.87	758.6	76	24.4	95	nw.			0		0			0	0			clear.
S. S. Benalder, N. 13° —′ E. 109° 45′	29.97	761.2	82	27.8	87	ene.			2		4		sw.	0	0			clear.
District No. 4—South Pacific.									3		0			0	0	light	ne.	clear.
U. S. S. Iroquois, Arica, Peru	30.01	762.2	66	18.9	74	se.			1		2					sm'h		clear.
U. S. S. Lackawanna, Callao, Peru	29.92	760.0	70	21.1	95	sse.			1		10							cloudy.
U. S. S. Onward, Callao, Peru *†	30.04	763.0	70	21.1	100	se.			3		10		se.			long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.99	761.7	60	15.6	82	ese.			3		0							hazy.
U. S. S. Wachusetts, Valparaiso, Chili	29.97	761.2	56	13.3	87	se.			1		2					long	nw.	fair.
H. M. S. Nelson, Sydney, N. S. W.	30.26	768.6	67	19.4	95	ne.			1		8							d. clouds.
H. M. S. Sappho, S. 29° 55′, W. 71° 20′	29.99	761.7	55	12.8	93	calm			1		0							misty.
S. S. Australia, S. 33° 49′, E. 153° 08′ *	30.18	766.6	72	22.2	85	e.			2		10							
District No. 5—Indian Ocean.											4		w.	0	0			
H S. S. Trenton, Columbo, Ceylon, India	29.85	758.2	82	27.8	96	sw.			1		10					sm'h		cloudy.
H. M. S. Magpie, S. 10° 45′, E. 80° 44′	29.88	758.9	82.6	28.1	78	e.			2		2					3	ese.	blue sky.
H. M. S. Myrmidon, Suakin, Egypt	29.84	757.9	79.8	26.0	85	ene.			3		0							blue sky.
S. S. Bracondale, N. 20° 40′ E. 38° 15′			85	29.4		n.			2		0			0	0	light	nw.	clear.
Bk. Childwall, off Kingston N.S.W.*	30.06	763.5	66	18.9	68	ene.			3									fine.
S. J. W. Gildemeister, S. 18° 09′, E. 78° 35′	29.97	761.2	79.7	26.5	73	ene.			3		2 k		e.	0	0	4	ese.	d. clouds.
Bk. Nouva Margherita, S. 11° 13′, E. 103° 44′*†	29.77	756.1				ne.			2–3				ene.	o	o	4	ese.	d. clouds.
S. Orealia, N. 13° 57′, E. 82° 40′ *	29.85	758.2				s.			5		5		wnw.	rain	rain	long	sw.	raining.
S. S. Lepanto, N. 14° 36′, E. 42° 24′			81	27.2		s e.			5		8		sw.	0	0	sm'h		fair.
									0				se.	0	0	r'gh	ese.	hazy.

International Chart I. April 10, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War:
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 11, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
ALGERIAN.																			
Nemours	.....	.....	29.92	759.9	67.3	19.6	76	se.	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	29.95	760.7	65.1	18.4	62	ne.	.....	.....	2	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.92	760.0	62.6	17.0	82	ne.	.....	.....	3	.....	2	.....	.....	0	0	fair	Fourrède.
Tunis	.....	.....	29.89	759.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.02	762.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.01	762.2	72.7	22.6	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	30.01	762.3	70.5	21.4	57	e.	.....	.....	2	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.23	767.8	72.5	22.5	33	se.	4	1.8	.....	1 c	.....	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	.....	.....	.....	.....	.....	.....	.....	s.	10	4.5	.....	.....	10	.....	w.	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	30.18	766.6	30.27	768.8	59.7	15.4	88	ne.	1	0.4	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.17	741 0	29.71	754.6	63.3	17.4	42	ne.	.....	.....	3	.....	10	.....	.....	0.295	7.5	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.98	736.1	29.74	755.4	54.1	12.3	71	ene.	6.3	2.8	.....	.....	8	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	28.89	733.9	29.76	755.9	57.2	14.0	65	n.	.....	.....	1	.....	10 k	.....	.....	inap.	inap.	.....	Julius Mikolik.
Gratz	28.49	723.7	29.74	755.4	51.8	11.0	63	sw.	.....	.....	5	.....	10	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.35	720.0	29.76	756.0	54.7	12.6	75	sse.	.....	.....	3	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28 43	722.1	29.80	756.8	41.0	5.0	92	wnw.	.....	.....	2	.....	10	.....	.....	0.382	9.7	rain & snow	The Staff.
Lemberg	28.84	732.4	29.82	757.3	52.0	11.1	70	se.	.....	.....	1	.....	8	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.61	752.0	29.72	754.8	52.0	11.1	89	ssw.	.....	.....	3	.....	10	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.29	743 9	.....	.....	57.7	14.3	66	sw.	.....	.....	2	.....	10	.....	.....	0.283	7.2	.....	Joseph Midlinszky, S. J
Szegedin	29.44	747.7	29.71	754.7	59.4	15.2	60	s.	.....	.....	1	.....	8	.....	.....	0.067	1.7	.....	Karl Stancel.
Trieste	29.62	752.3	29.72	754.8	60.4	15.8	51	sw	.....	.....	3	.....	10	.....	.....	0.047	1.2	raining	Royal Academy.
Vienna	29.04	737.7	29.76	755.8	55.9	13.3	64	calm	.....	.....	0	.....	8	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	45.5	7.5	68	ne.	.....	.....	2	.....	3	.....	.....	0.276	7.0	.....	.....
Brussels	29.78	756.5	29.99	761.7	48.4	9.1	73	wnw.	.....	.....	3	.....	10	nnw.	nnw.	0.004	0.1	.....	.....
Furnes	30.02	762.4	30.04	762.9	48.2	9.0	77	nne.	.....	.....	2	.....	8	.....	.....	0.287	7.3	.....	.....
Maeseyck	29.86	758.5	29.99	761.7	54.3	12.4	70	nw.	.....	.....	2	.....	4	.....	.....	0.047	1.2	foggy	.....
BRITISH.																			
Aberdeen	29.99	761.7	30.09	764.3	43.2	6.2	79	ene.	15	6.7	.....	.....	7	.....	.....	0.120	3.0	showery	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.04	763.0	50.0	10.0	72	ese.	9	4.0	.....	.....	0	.....	.....	.....	.....	misty	John Hartnup.
Bolton, Sharples	29.50	749.3	30.04	763 0	49.4	9.7	58	se.	.....	.....	.....	.....	.....	.....	.....	.....	.....	blue sky	Thomas Mackereth.
Bradford, Yorkshire	29.65	753.1	30.04	763.0	47.5	8.6	62	e.	.....	.....	2	.....	2	.....	.....	0	0	blue sky	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.05	763.3	30.08	764.0	82.6	28.1	66	ne.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.O
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E.	29.87	758.7	30.05	763.3	45.3	7.4	70	e.	.....	.....	1	.....	9	.....	.....	blank	blank	gloomy	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.80	756.9	30.03	762 7	50.6	10.3	70	se.	.....	.....	4	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.54	699 5	29.85	758.2	87.2	30.7	32	nw.	.....	.....	4	.....	1	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.O.
Freetown, Sierra Leone	29.64	752.8	29.88	758.9	83.0	28.3	71	n.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	29.90	759.4	29.93	760.2	53	11.7	67	e.	.....	.....	2	.....	3	.....	.....	0	0	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	29.73	755.1	29.84	757.9	64.4	18.0	90	e.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A. H.O.
Greenwich, Royal Obs'y	29.88	758.9	30.06	763.5	47.9	8.8	63	ene.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.76	755.9	30.06	763.5	53.0	11.7	77	ese.	.....	.....	1	6 c	.....	ssw.	.....	0	0	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	30.03	762 7	30.06	763.5	47.2	8.4	59	nne.	5	2.2	.....	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.80	756.9	30.07	763.8	43.1	6.2	71	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.88	758.9	29.95	760.7	64.2	17.9	75	nw.	.....	.....	4	.....	4	.....	.....	0.16	4.1	d. clouds	Corpl. H. Keene, A. H. O.
Nassau, Bahamas	30.05	763.3	30.10	764.5	74.0	23.3	59	nw.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.84	757.9	30.06	763.5	45.8	7.7	69	ne.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.95	760.7	30.03	762.7	55.1	12.8	54	se.	.....	.....	4	.....	8	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	30.03	762.7	30.13	765.3	45.2	7.3	74	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	d. clouds	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.78	756.4	29.85	758.2	60.2	15.7	71	calm	.....	.....	0	.....	10	.....	.....	.....	.....	misty	W. H. Lyne.
Sheffield	29.78	756.4	30.07	763.8	45.4	7.4	?	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	30.01	762 2	30.04	763.0	51.2	10.7	79	wnw.	.....	.....	1	.....	0	.....	.....	0.065	1.6	blue sky	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.06	763.5	50.6	10.3	57	e.	5	2.2	.....	.....	.....	.....	.....	0.038	1.0	blue sky	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	50.6	10.3	69	nw.	.....	.....	0.5	.....	3	.....	.....	.....	.....	d clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.88	758.9	29.91	759.7	51.5	10.8	75	se.	25	11.2	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.54	750.3	29.93	760.2	61.5	16.4	75	nw.	12.4	5.5	.....	0	8 n	.....	nw.	0.24	6.1	cloudy	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.91	759 7	30.02	762.5	68.4	20.2	98	ne.	5	2.2	.....	.....	10 n	.....	.....	.....	.....	drizzling	The Staff.
CANADIAN.																			
Bathurst, N. B	29.70	754.4	29.74	755.4	32	0.0	.....	nne.	7.5	3.4	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.52	749.8	29.56	750.8	29	— 1.7	97	n.	14	6.3	.....	.....	10 n	.....	.....	0.925	23.5	light snow	H. J. Cundall, C. E.
Chatham, N. B*	29.69	754.1	29.75	755.6	30	— 1.1	71	ne.	11	4.9	.....	.....	10 s	.....	ne.	0.17	4.3	cloudy	G. A. Blair.
Cornwall, Ontario	29.63	752.6	29.83	757.7	33.7	0.9	100	n.	.....	.....	1	.....	10 s	.....	.....	0.102	2.6	overcast	Jas. Smith, M. A.
Dalhousie, N. B	29.70	754.4	29.75	755.6	25.0	— 3.9	.....	e.	.....	.....	1	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec*	29.73	755.1	29.75	755.6	30	— 1.1	92	ne.	20	8.9	.....	.....	10 s	.....	ne.	0	0	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.19	741.4	30.07	763.7	28	— 2.2	80	sw.	11	4.9	.....	.....	10 n	.....	.....	0	0	cloudy	James Stewart.
Fredericton, N. B	29.67	753.6	29.74	755.4	33.0	0.6	65	ne.	8	3.6	.....	.....	10 s	.....	.....	0	0	overcast	W. F. Cooper.
Grand Manan, N. B	29.61	752.1	29.66	753.4	33	0.6	89	ne.	17	7.6	.....	.....	10 ks	.....	.....	0.300	7.6	cloudy	Dr. Thos. Harrison.
Granton, Ontario	28.85	732.8	29.99	761.7	32.1	0.1	97	nw.	2	0.9	.....	.....	10 n	.....	.....	0.57	14.5	overcast	J. Chipman Seeley
Halifax, N. S*	29.39	746.5	29.52	749.8	33	0.6	88	n.	5	2.2	.....	.....	10 n	.....	n.	0.153	3.9	d. clouds	Jas. Grant.
Hamilton, Ontario	29.54	750.3	29.96	761.0	38.5	3.6	88	nw.	.....	.....	1	4 ck	0	nw.	.....	0	0	light snow	Geo. Dickson, B. A.
Kingston, Ontario*	29.56	750.8	29.91	759.7	35	1.7	89	nw.	3	1.3	.....	.....	10 n	.....	calm	inap.	inap.	overcast	A. P. Knight, M. A
Little Grace Bay, N. S	29.44	747.8	29.48	748.8	31.0	— 0.6	89	ne.	.....	.....	2	.....	10 n	.....	.....	0.40	10.2	overcast	C. H. Rigby.
London, Ontario	29.12	739.6	30.06	763.5	33.3	0.7	89	nw.	.....	.....	1	.....	10 n	.....	.....	0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T	27.56	700.0	29.92	760.0	28	— 2.2	96	n.	1	0.4	.....	6 ck	0	.....	.....	0	0	d. clouds	John Ewart.
Minnedosa, N. W. T	28.01	711.4	30.02	762.5	25	— 3.9	88	w.	9	4.0	.....	2 c	2 s	w.	nw.	0	0	fair	Rev. J. M. Wellwood.
Montreal, Quebec*	29.60	751.8	29.81	757.2	38	3.3	79	nw.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.65	753.1	29.88	758.9	35.0	1.7	74	nnw.	.....	.....	.....	.....	10 ks	.....	.....	0	0	overcast	A. McGill, M. A.
Parry Sound, Ontario*	29.29	744.0	30.01	762.2	30	— 1.1	85	n.	6	2.7	.....	5 k	3 ks	nw.	nw.	0	0	fair	Rev. R. Mosley.
Peterboro, Ontario	29.15	740 4	29.91	759.7	35.7	2.1	77	nw.	.....	.....	2	0	7 k	.....	.....	0.03	0.8	d. clouds	Wm. O'Connor, M.A.
Port Arthur	29.34	745.2	30.06	763.5	34	1.1	79	s.	1	0.4	.....	.....	10 n	.....	.....	0	0	cloudy	W. P. Cooke.
Port Dover, Ontario	29 30	744 2	30.01	762.2	36	2.2	80	nw.	8	3.6	.....	8 k	0	nw.	.....	0	0	fair	R Morgan.
Port Stanley, Ontario	29.37	746.0	30.03	762.7	35	1.7	79	w.	10	4.5	.....	.....	10 n	.....	nw.	0	0	cloudy	M. Payne.
Qu Appelle, N. W. T	27.66	702.6	29.99	761.7	31	— 0.6	.....	ne.	6	2.7	.....	4 cs	0	e.	.....	0	0	fair	Leslie Gordon.
Quebec, Quebec*	29.41	747.0	29.78	756.4	34	1.1	92	n.	8	3.6	.....	10 ck	0	n.	.....	0.02	0.5	cloudy	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.48	748.8	29.96	761.0	29	— 1.7	88	nw.	10	4.5	.....	.....	9 s?	.....	n	0	0	clear?	W. H. McIntyre.
St. Andrews, N. B	29.59	751.6	29.64	752.8	33	0.6	93	ne.	8	3.6	.....	.....	10 k	.....	n	0.10	2.5	cloudy	.....
St. John, N. B	29.49	749.0	29.64	752.8	32.0	0.0	82	n.	24	10.7	.....	.....	10 n	.....	.....	inap.	inap	overcast	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.33	745.0	27.3	— 2.6	.....	ne.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sangeen, Ontario*	29.30	744.2	30.04	763.0	33	0.6	96	n.	2	0.9	.....	.....	10 ks	.....	.....	0	0	cloudy	.....
Stratford, Ontario	28.72	729.5	30.05	763.3	32.8	0.4	90	nw.	2.4	1.1	.....	.....	10 s	.....	.....	0	0	d. clouds	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers
Canadian.—Continued.																			
Sydney, C. B*	29.40	746.7	29.46	748.3	30	— 1.1	92	ne.	18	8.0			10 n			0.55	14.0	cloudy	**T. C. Hill, C. E.**
Toronto, Ontario*	29.63	752 6	30.02	762.5	35	1.7	72	nw.	17	7.5		5 cs	0	nw.		0	0	clear	**Magnetic Observatory.**
Woodstock, Ontario	28.96	735.6	30.06	763.5	33.8	1.0	95	w.	8.0	3.6			10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.53	750.0	29.60	751.8	33	0.6	88	n.	9	4.0			10			0.02	0.5	light snow	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt. House	29.98	761.5	30.01	762.2	62.5	16.9	97	sw.					10 n			0	0	threatening	I. Garfelt.
Cape Town, The Castle	30.20	767.1			67.0	19.4	60	nw.				0	0			0.12	3.0		**Capt. R. Gardner Warton**
Springbok Fontein	27.95	709.9			53	11.7	93									0	0		J. F. Eustace
Chilian.																			
Iquique																			Rafael Moreno.
Niebla																			**Federico Köhling.**
Punta Caldera																			**Manuel Tobar.**
Punta Corona																			**Francisco Alvarado.**
Quiriquina					59.0	15.0	89	nw.			8		10 n		nw.	0.449	11.4	cloudy	**Leon Herrera.**
Valparaiso	29.81	757.2	29.95	760.8	57.9	14.4	89	n.			1	0?	0?			0	0	cloudy?	**Paez-i-Ampuero.**
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.09	764.3	30.11	764.9	54.1	12.3	87	ese.	10.7	4.8		0	0			0	0	clear	**M. Marc Dechevrens, S. J**
Danish.																			
Copenhagen	29.85	758.2	29.90	759.4	46.8	8.2	60	sw.	11	5			8						Oversergent Fischer.
Fanöe	29.92	759.9	29.94	760.4	47.8	8.8	59	wnw.			4		3						Overloerer Lauridsen.
Godthaab, Greenland	29.31	744.4	29.35	745.5	31.8	— 0.1	89	nne.			2		9					hazy	S. Kleinschmidt.
Ivigtut, Greenland	29.19	741.5	29.21	742.0	39.7	4.3		calm			0		10						
Stykkisholm, Iceland	30.19	766.8	30.23	767.9	39.9	4.4	76	e.			4		0						A. O. Thorlacius.
Thorshavn	30.25	768.3	30.27	768.9	43.2	6.2	81	ne.	11	5			6						Overloerer Bergh.
Upernavik, Greenland	29.72	754.9	29.77	756.1	— 1.5	—18.6		n.			4		10					snowing	
Vestervig	29.82	757.5	29.91	759.8	43.9	6.6	78	w.			4		10						Loerer Oesterhol.
Egyptian.																			
Cairo	29.74	755.3			98.6	37.		se.	3.8	1.7						0	0		**Albert Ismaïun, Dir.**
French.																			
Agen, Normal School																			M. Labroue, Director.
Alençon, Normal School	29.56	750.8	30.11	764.8	50.0	10.	64	nw.			1	2 cs			sw	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.79	756.7	30.04	763.0	47.1	8.4	77	nw.			2		10	s.	s.	0.260	6.6	covered	**M. Ungerer, Director.**
Avignon, Normal School	29.82	757.5	29.90	759.5	59.0	15.	38	nnw.			6		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.45	748.0	30.02	762.4	46.4	8.0	57	e.			1		8		nw.	0.138	3.5	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.76	755 9	30.03	762.7	50.9	10.5	56	n.			2		8		n.	0.028	0.7	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	29.02	737.1	29.90	759.4	43.5	6.4	70	sw.			1		10		w.	0.04	1.	covered	M. Gobin, Director.
Bordeaux, Observatory	29.71	754.6	29.97	761.2	57.6	14.2	44	e.			1		0			0	0	misty	M. Rayet, Director.
Bourges, Normal School	29.44	747.7	30.00	761.9	48.2	9	84	nw.			2		5		n.	0	0	cloudy	M. **Sauvageot**, Director.
Brest, Naval Observatory	29.80	757.0	30.04	763.1	60.1	15.6	68	sw.			1		8		sw.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.93	760.3	30.01	762.2	53.6	12.0	86	nw.			1		2		nw.	0	0	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N. Sch'	29.65	753 0	29.97	761.2	47.5	8.6	78	nnw.			1		8		nnw.	0.142	3.6	very cloudy	M. Jadot, Director.
Charleville, Normal School	29.48	748.8	30.00	762.0	50.4	10.2	93	n.			1	5 c				0.331	8.4	½ covered	M. **Noël, Director.**
Clermont-Ferrand Obs'y	28.61	726.7	29.98	761.4	49.1	9.5	51	n.			2		8		n.	0	0		M. Alluard, Director.
Cluny, Normal School	29.11	739.5	29.97	761.2	48.6	9 2	55	n.			1		7		n.	0	0		M. de Villemontés, **Dir.**
Commercy, Normal School	29.13	740.0	29.98	761 5	41.9	5.5	69	nw.			4		kn	nw.	nw.	0.520	13.2		Dr. Coulet, Director.
Gap, Normal School	27.25	692.2	29.71	754.7	51.1	10.6	28	nw.			1		1 k			0	0		M. Jarach, Director.
Grénasque, du Rhone	28.70	728.9	29.82	757.3	56.3	13.5	36	nw.			4		0			0	0		M. Kina, Director.
Grenoble, Normal School	29.15	740.5	29.91	759 6	63.3	17.4	60	nw.			6		n			0	0		M. Ablard, Director.
Guéret, Normal School	28.40	721.4	29.99	761.7	47.5	8.6	61	ne.			1		ks			0	0		M. Delorme, Dir.
Lamballe Normal School	29.71	754.6	29.98	761.6	48.0	8.9	86	nne.			4		2 k		nne.	0	0	slightly cl'dy	**M. Polipre, Dir.**
Lescar, Normal School	29.36	745 7	29.92	759.9	67.6	19.8	30	e.			1		0			0	0	clear	M. Chauvin, Director.
Lorient, Naval Observatory	29.93	760.3	30.04	762.9	62.6	17.0	59	sse.			3		5		e.	0	0	½ covered	**Lt. T. Carre**, Director.
Lyon, St. Genis-Laval	28 91	734 4	29.99	761.7	45.5	7.5	61	n.			1		8 n		nnw.	0	0	very cloudy	M. **André**, Director.
Mans, Normal School	29.69	754.1	30.00	762.0	50.7	10.4	60	e.			1		5 k		e.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.56	750.9	29.84	757.8	55.6	13.1	44	wnw.			6–8		0			0	0		M. Stephan, Director.
Montlouis	24.73	628.1	29.57	751.1	49.6	9.8	39	e.	9.4	4.2			0			0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.74	755.5	29.85	758.3	63.0	17.2	62	n.			2		0			0	0	clear	M. Galzin, Director.
Nancy, Normal School	29.14	740 2	29.95	760.6	43.5	6.4	77	nw.			1		n			0.079	2.0		**M. Hasse, Director.**
Nantes, Observatory	29.89	759.2	30.05	763.3	58.5	14.7	47	ese.			1–2	1 ck				0	0		M. Larocque, Director.
Perpignan, Observatory	29.80	756.9	29.91	759.7	62.8	17.1	54	se.	5.6	2.5			4		w.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.10	536.0			31.5	— 0.3		calm			0		5		w.	0	0	cloudy	**M. Vaussenat, Director.**
Privas, Normal School	28.86	733.0	29.89	759.2	51.8	11.0	43	n.			4		2		n.	0	0	slightly cl'dy	M. Tallieu.
Puy de Dôme Obs'y, Summit	25.02	635.6			28.6	— 1.9	89	nnw.			2		8 k			0.008	0.2		M. Alluard.
Rochefort, Naval Obs'y	29.98	761.6	30.02	762.4	61.5	16.4	41	e.			1		0			0	0	clear	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.81	757.2	30.02	762 6	58.3	14.6	50	e.			1			se.		0	0		M. Brothier, Director.
Rodez, Normal School	27 77	705.4	29.93	760.3	55.2	12.9	33	n.			1		1		se.	0	0	clear	M. Seger, Director.
Rouen, Normal School	30.00	762.0	30.05	763.2	53.6	12.	76	nw.			1		2		nw.	0	0	slightly cl'dy	M. Mouillot, Dir.
Saint Maur, Observatory	29.87	758.7	30.04	762.9	47.3	8.5	79	n.			4		8		n.	0.059	1.5	very cloudy	M. Renou, Director.
Toulouse, Observatory	29.26	743.2	29.98	761.6	61.5	16.4	40	n.			1		0			0	0	clear	M. Baillaud, Director.
Tours	29.84	758.0	30.02	762.6	54.3	12.4	52	nnw.			1		5		ne.	nne.	0	0	cloudy	M. de Tastes.
Versailles, Observatory	29.55	750.6	30.04	763.1	44.6	7.0	85	n.			2		5			0.012	0.3	fair	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.79	756 7	29.94	760.5	64.6	18.1	46	e.	9.8	4.4			0			0	0	misty	M. Carlier, Director.
German.																			
Ansbach	28.41	721.6	29.88	759 0	43.9	6.6	69	nw.			2		10	nw.		0.106	2.7		Prof. Jnedt.
Bamberg	29.00	736.5	29.84	757.8	46.4	8.0	77	nw.			1		10 n		w.	0.102	2.6		Prof. Dr. Hoh.
Berlin	29.69	754.1	29.83	757.7	55.8	13.2	47	ne.			1		4			0	0		**Meteorological Institute**
Breslau	29.28	743 6	29.80	757.0	60.4	15.8	46	sse.			2		5			0	0		**Royal University Obs'y**
Carlsruhe	29.51	749 6	29.98	761.5	43.3	6.3	79	sw.			2		10			0.067	1.7	raining	Albert Senz.
Cassel	29.18	741.1	29.89	759.2	51.8	11.0	48	n.			4		8		n.	0.008	0.2		Dr. H. Möhl.
Frankfort-on-the-Main	29.50	749 4	29.87	758.7	52.9	11.6	48	n.			1		5			0.016	0.4		Physical Society.
Friedrichshafen	28.47	723.1	29.91	759.8	42.8	6.0	63	w.			5		10	w.		0.209	5.3		Wilhelm, Chief Tel.
Hamburg	29.84	757.8	29.93	760.1	50.2	10.1	72	sw.			1		10			0	0		E. Preller.
Kiel	29.90	759.4	29.91	759.8	46.8	8.2	66	n.			1		10			0	0		Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.46	748.2	29.89	759 1	44.6	7.0	87	nw.			2		10	nnw.		0.043	1.1	foggy	H. Leppig, Asst.
Magdeburg	29.69	754.1	29.88	758 9	49.1	9.5	79	nnw.			2		7			0.295	7.5		Weather Observatory.
Memel	29.89	759.3	29.94	760.5	42.8	6.0	84	nw.			3	3 s							Issermann.
Munich	28.02	711.6	29.87	758.6	38.7	3.7	82	nw.			2		10			0.504	12.8	rain & snow	Central Station.
Neufahrwasser	29.88	759.0	29.91	759.8	45.1	7.3	74	ne.			2		5			0	0		A. Lothes.
Neustadt, Palatinate	29.34	745.3	29.87	758.6	47.3	8.5	69	w.			1		8	w.		0.008	0.2		Prof. Dicknether.
Stuttgart	28.89	733.7	29.79	756 7	45.5	7.5	74	w.			3		10			0.193	4.9		Dr. L. Meyer.
Wustrow	29.89	759.1	29.91	759.7	45.1	7.3	89	n.			2		8 8			0.039	1.0		Profs. Brandes & Reimer
Greek.																			
Athens	29.44	747.8	29.82	757 5	67.1	19.5		s.			0.5	10				0.012	0.3		Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.77	756.1	29.82	757.4	82.5	28.1	71	sw.	38.0	17.0			0			0	0	misty	
Deesa	29.33	744 9	29.79	756.6	94.2	34.6	21	w.	16.0	7.2			0			0	0	blue sky	
Bombay	29.83	757 7	29.87	758.7	84.1	28.9	65	nw.	17.0	7.6			0			0	0	blue sky	
Poona, Yarrowda	28.00	711 2	29.80	757.0	93.8	34.3	12	nw.	18.0	8.0			0			0	0	blue sky	
Trichinopoly	29.60	751.8	29.87	758.7	99.0	37.2	24	e.	0.1	0.04			0			0	0	blue sky	
Bellary	28.31	719.2	29.72	755 0	101.0	38.3	16	w.	4.0	1.8			5			0	0	d. clouds	
Belgaum	27.32	693.8	29.80	757.0	86.7	30.4	40	wsw.	10.0	4.5			3		e.	0	0	d. clouds	
Lahore	28.99	736.2	29.72	754 8	85.6	29.8	36	w.	2.0	0.9			2			0.07	1.8	blue sky	
Roorkee	28.84	732.5	29.71	754.7	92.7	33.7	16	calm	5.0	2.2			0			0	0	misty	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0-10	Clouds. Amount and kind. Upper. 0-10	Lower. 0-10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Agra	29.22	742.3	29.77	756.2	96.1	35.6	36	w.	2.0	0.9			2		w.	0	0	d. clouds	
Nagpur	28.74	729.9	29.74	755.4	100.5	38.1	12	calm	2.0	0.9			0			0	0	blue sky.....	
Jubbulpore	28.46	722.8	29.77	756.2	96.8	36.0	12	w.	4.0	1.8			1		w.	0	0	blue sky.....	
Lucknow	29.37	746.0	29.73	755.2	98.0	36.7	14	w.	8.0	3.6			0			0	0	misty.....	
Allahabad	29.45	747.9	29.75	755.6	98.2	36.8	15	calm	0	0			0			0	0	blue sky.....	
Patna	29.56	750.8	29.74	755.3	98.5	36.9	30	nne.	4.2	1.9			2		nne.	0	0		
Hazaribagh	27.77	705 4	29.72	755.0	92.7	33.7	16	nw.	6.0	2.7			0			0	0	blue sky.....	
Cuttack	29.71	754.6	29.79	756.6	81.5	27.5	78	w.	4.0	1.8			9			0	0	blue sky.....	
Calcutta, Allpore	29.77	756.2	29.79	756.7	85.5	29.7	68	s.	10.0	4.5			9		sw.	0	0	gloomy.....	
Chittagong	29.80	756.8	29.89	759.1	80.7	27.1	79	sw.	7.8	3.5			3			0	0	d. clouds	
Sibsagar	29.56	750.7	29.90	759.4	74.2	23.4	80	se.	2.0	0.9			4			0.02	0.5	blue sky.....	
Jeypore	28.36	720.3	29.78	756.3	80.2	31.8	15	wnw.	19.5	8.7			3		wnw.	0	0	d. clouds	
Zanzibar	29.83	757.7	.....	.....	86.6	30.3	69	sw.	4.6	2.1			9		se.	.....	.....	d. clouds.....	
ITALIAN.																			
Udine	29.30	744.2	29.71	754.5	51.4	10.8	81	sw.	6.3	2.8			10			0.480	12.2	.....	Prof. Giovanni Olodig.
Milan	29.17	740.9	29.68	753.9	57.2	14.0	51	w.	6.9	3.1			7		sw.	0.217	5.5	.....	Prof. G.V.Schiapparelli
Padua	29.55	750.6	29.66	753.3	55.2	12.9	69	sse.	6.3	2.8			4		sw.	0.232	5.9	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.70	730.4	29.65	753.1	59.0	15.0	17	w.	7.4	3.3			1			0	0	.....	Prof. F. F. Denza.
Genoa	29.45	748.1	29.65	753.0	60.8	16.0	66	s.	4.3	1.9			0			0	0	.....	Prof. G. M. Garibaldi.
Pesaro	29.72	754.8	29.70	756.0	50.7	10.4	82	n.	11.9	5.3			10		ssw.	0.209	5.3	.....	Prof. Luigi Guidi.
Florence	29.42	747.2	29.67	753.6	62.1	16.7	45	sw.	.....	.....		8	5		sw.	0.217	5.5	.....	Prof. Costantino Pittei.
Leghorn	29.57	751.0	29.65	753.1	61.2	16.2	53	sw.	11.9	5.3			1			0	0	.....	Prof. P. Monte.
Rome	29.63	752.6	29.80	757.0	60.1	15.6	65	sw.	9.4	4.2			8			0	0	.....	Prof. P. Tacchini.
Lecce	29.54	750.4	29.79	756.7	65.8	18.8	54	e.	8.1	3.6			2		se	0	0	.....	Prof. C. de Giorgi.
Cosenza	28.99	736.3	29.87	758.7	63.3	17.4	78	sw.	2.5	1.1			9		w.	0	0	.....	Prof. D. Conti.
Palermo	29.64	752.9	29.89	759.2	63.1	17.3	63	w.	3.8	1.7			5		w.	0.346	8.8	.....	Prof. G. Cacciatore
Syracuse	29.80	756.9	29.84	758.0	65.8	18.8	71	sse.	3.8	1.7			10		nne.	0.039	1.0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.35	745.4	.....	.....	58.8	14.9	72	sw.	2.5	1.1			5		wnw.	0.055	1.4	.....	Prof. F. Brioschi.
Stelvio	21 80	553.6	.....	.....	20.1	— 6.6	97	ene.	.....	.....		2	10			0.756	19.2	misty.....	Prof. P. F. Denza.
Valdobbia	21.81	554.0	.....	.....	24.1	— 4.4	54	wnw.	.....	.....		6	8			0	0	misty.....	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.25	768.3	30.28	769.2	51.3	10.7	58	calm	.....	.....	0	.....	10 k	.....	.....	0.201	5.1	cloudy.....	H. Hattori.
Awomori	30.24	768.1	30.28	769.1	38.2	3.4	88	calm	0	0	.....	.....	10s;ks	.....	.....	0.071	1.8	overcast.....	K. Ogawa.
Hakodate	30.29	769.4	30.30	769 7	42.5	5.8	84	calm	0	0	.....	.....	10 s	.....	.....	0	0	covered.....	Y. Souma.
Hamamatsu	30.32	770.1	30.42	772.6	54.3	12.4	77	ene.	.....	.....	4	.....	10 n	.....	.....	0	0	overcast.....	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.21	767.3	30.23	767.8	52.0	11.1	94	sw.	0.3	0.1	.....	.....	10 n	.....	s.	0.862	21.9	raining.....	Y. Okamoto.
Kagoshima	30.17	766.3	30.18	766.6	60.2	15.7	87	calm	.....	.....	0	.....	10 s	.....	.....	0.307	7.8	light rain.....	
Kanazawa	30.11	764.9	30.22	767.5	53.4	11.9	76	nne.	2.0	0.9	.....	.....	10ks;s	.....	.....	0.170	4.3	overcast.....	S. Endo.
Kioto	30.15	765.9	30.33	770.3	54.5	12.5	81	nnw.	2.5	1.1	.....	.....	10 n	.....	.....	0.147	3.7	light rain.....	M. Tojima.
Kochi	30.27	769.0	30.30	769.5	60.0	15.6	83	ese.	13.7	6.1	..	.....	10 s	.....	.....	0.355	9.0	overcast.....	K. Kusunose.
Kofu	30.20	767.0	30.22	767.7	60.4	15.8	92	sse	.....	.....	2	.....	10 n	.....	s.	0.488	11.9	raining.....	K. Masusaki&T. Ishiain.
Minsaka	30.24	768.1	30.35	770.9	42.8	0.0	86	sw.	0.3	0.1	.....	.....	10 s	.....	.....	0	0	cloudy.....	N. Honno & K. Suwa.
Miyako	30.24	768.1	30.35	770.9	42.8	0.0	86	sw.	0.3	0.1	.....	.....	10 s	.....	.....	0	0	.....	
Nagasaki, I. M. Obs'y	29.95	760.7	30.15	765.8	58.3	14.6	91	e.	1.8	0.8	.....	.....	10 s	.....	w.	0.220	5.6	overcast.....	
Nemuro	30.35	770.9	30.40	772.2	31.9	— 0.1	89	calm	0	0	.....	1 c	0	.....	.....	0	0	clear.....	A Shibuya.
Niigata	30.23	767.8	30.26	768.6	55.9	13.3	57	se.	9.8	4.4	.....	.....	10 s	.....	.....	0.080	2.0	covered.....	Satoo & Tomikawa.
Nobiru	30.34	770.6	30.35	771.0	48.0	8.9	90	s.	10.0	4.5	..	10 cs	0	.....	.....	0	0	covered.....	Yoshino & Midzushina.
Numadzu	30.40	772.1	30.43	773.0	54.0	12.2	72	wnw.	.....	.....	1	5 cs	5 s	.....	.....	0	0	overcast.....	T. Ohgi.
Osaka	30.29	769.4	30.31	769.8	52.8	11.6	90	e.	7.2	3.2	.....	.....	10 n	.....	.....	0.075	1.8	light rain.....	H. Omura.
Saga	30.12	765.1	30.14	765.7	56.1	13.4	94	nw.	1.7	0.7	.....	.....	10 n	.....	.....	0.638	16.2	raining.....	A. Matsuhayashi.
Sakai	30.14	765.6	30.15	765.8	56.1	13.4	86	ssw.	.....	.....	2	.....	10 n	.....	ssw.	0.346	8.8	raining.....	Yamawchi & Sakamoto.
Sapporo	30.19	766.8	30.26	768.5	42.1	5.6	63	se.	6.0	2.7	.....	.....	10 s	.....	.....	0	0	covered.....	S. Kimura.
Shimonoseki	30.00	762.1	30.15	765.8	54.1	12.3	95	ene.	.....	.....	4	.....	10 n	.....	e.	0.654	16.6	raining.....	S. Sakano.
Tokei Obs'y, Yeddo	30.35	770.8	30.42	772 7	55.0	12.8	74	sw.	6.3	2.8	.....	.....	10s;ks	.....	w.	0	0	cloudy.....	The Staff.
Wakayama	30.23	767.8	30.28	769 1	59.7	15.4	67	se.	4.9	2.2	.....	.....	10 n;s	.....	.....	0.015	0.4	cloudy.....	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.77	756.1	29.96	761.0	79.6	26.4	70	ese.	11.0	4.9	.....	.....	8ks;k	.....	ese.	0.02	0.5	cloudy	The Staff.
MEXICAN.																			
Leon	24.29	617.0	30.00	762.0	55.0	12.8	60	nne.	0.9	0.4	.....	6 c	0	.....	.....	0	0	cloudy.....	M. Leal & M. Pina
Mazatlan	29.65	753.1	29.91	759.7	68.0	20.0	90	s.	0.9	0.4	.....	8 cs	0	w.	.....	0	0	hazy.....	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	30.01	762.3	30.01	762.3	49.6	9.8	.....	n.	.....	.....	4	.....	.....	.....	.....	0.220	5.6	.....	
Groningen	29.90	759.4	29.95	760.8	46.4	8.0	.....	ne.	.....	.....	1	.....	.....	.....	.....	0.343	8.7	.....	
Helder	29.97	761.2	29.97	761.2	47.5	8.6	.....	ne.	.....	.....	3	.....	.....	.....	.....	0.035	0.9	.....	
Hellevoetsluis	29.98	761.6	29.98	761.6	50.2	10.1	65	n.	.....	.....	2	.....	.....	.....	.....	0.098	2.5	.....	
Utrecht	29.95	760.6	29.99	761.8	49.1	9.5	73	n.	.....	.....	2	.....	7	.....	.....	0.094	2.4	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.91	759.6	.....	.....	78.6	25.9	90	nw.	0	0	.....	.....	5	.....	.....	0.354	9.0	.....	Lt. J. J. Roptman, R. D. N
NORWEGIAN.																			
Bergen	29.78	756.5	29.85	758.1	45.0	7.2	66	nnw.	11	5	.....	.....	8	.....	.....	0	0	.....	
Brono	29.92	759.9	29.90	760.9	45.9	7.7	73	nw.	.....	.....	4	.....	2	.....	.....	0.220	5.6	.....	
Christiania	29.65	753.2	29.80	756.9	48.0	8.9	67	sse.	4	2	.....	.....	10	.....	.....	0	0	.....	
Glæsvær	29.87	758.6	29.89	759.2	32.7	0.4	.....	w.	.....	.....	6	.....	10	.....	.....	0.118	3.0	.....	
PORTUGUESE.																			
Funchal, Madeira	29.78	756 5	29.87	758.7	64.9	18.3	45	nw.	9.8	4.4	.....	.....	1	nw.	.....	0.748	19.0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.45	748.1	29.79	756.6	60.6	15.9	76	ssw.	8.1	3.6	.....	.....	10	.....	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	29.95	760.6	30.02	762.4	56.1	13.4	62	nnw.	8.7	3.9	.....	.....	4	.....	.....	0.031	0.8	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.00	762.0	30.04	762.9	70.5	21.4	78	nne.	.....	.....	4	.....	9	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	25.11	637.7	29.84	757.8	45.3	7.4	98	ese.	28.0	12.5	.....	.....	10	.....	.....	0.004	0.1	.....	
RUSSIAN.																			
Akmolinski	28.89	733.9	30.06	763.6	12.9	—10.6	100	sw.	27	12	.....	.....	9 n	.....	.....	0.020	0.5	snow-drift...	Major K. Lasarew.
Archangel	29.71	754.5	29.72	755.0	37.4	3.0	83	sw.	4	2	.....	.....	10	.....	.....	0	0	light clouds	Capt. Sselliwerstow.
Ashurada	30.16	766.0	30.06	763.6	60.8	16.0	80	wnw.	9	4	.....	0	5 k	.....	.....	0.012	0.3	.....	
Astrakhan	30.30	769.6	30.22	767.7	52.2	11.2	38	ese.	11	5	.....	0	0	.....	.....	0	0	.....	Capt. Wisganow.
Baku	30.19	766.8	30.14	765.6	54.5	12.5	83	s.	4	2	.....	3 cs	0	.....	.....	.....	.....	.....	
Barnaul	29.72	754.9	30.27	768.9	8.2	—13.2	65	s.	13	6	.....	.....	5 s	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.46	748.3	29.93	760.1	51.4	10.8	51	w.	4	2	.....	4 ck	0	.....	.....	0	0	solar halo...	
Dorpat	29.09	754.1	29.94	760.4	47.1	8.4	77	sse.	2	1	.....	.....	10ks;n	.....	.....	0.016	0.4	.....	Rosenthal.
Ekaterinburg	28.96	735.5	29.97	761.1	27.1	— 2.7	47	s.	4	2	.....	.....	10	.....	.....	0.055	1.4	solar corona	Meteorological Obs'y.
Elisawetgrad	29.50	749.2	29.95	760 7	48.6	9.2	78	se.	7	3	.....	.....	9 s	.....	.....	0	0	.....	
Kasalinsk	30.10	764.6	30.28	769.1	39.9	4.4	42	w.	7	3	.....	.....	.....	.....	.....	.....	.....	.....	Butkewitsch.
Kasan*	29.69	754 2	29.97	761.2	44.4	6.9	65	wsw.	9	4	.....	0	3	.....	.....	0	0	.....	Observatory.
Kem	29.80	756.8	29.85	758.1	42.8	6.0	67	w.	9	4	.....	.....	7 k	.....	.....	0	0	.....	
Kertch	29.96	760.9	29.98	761.5	48.2	9.0	86	s.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Lazorio & Sastyres.
Kieff	29.28	743.8	29.92	759.9	54.0	12.2	56	se.	7	3	.....	0	6 ks	.....	.....	0	0	.....	Observatory.
Koslov	29.61	752.0	30.13	765.2	40.5	4.7	76	sse.	2	1	.....	2 cs	0	.....	.....	0	0	.....	
Lgov	29.48	748.7	30.08	764 0	41.2	5.1	78	s.	11	5	.....	.....	3	.....	.....	0	0	.....	R. I. Sawoljew, Engin'r.
Libau	29 88	758.9	29.90	759.5	42.6	5.9	87	s.	7	3	.....	.....	10	.....	.....	0.205	5.2	.....	F. Quass.
Lugan	29.82	757.3	30.02	762.0	45.1	7.3	85	se.	22	10	.....	.....	10	.....	.....	0.012	0.3	.....	Meteorological Obs'y.
Moscow	29.58	751.4	30.06	763.6	52.0	11.1	31	wnw.	2	1	.....	cs	7 s	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27.75	704.9	30.13	765.4	28.8	— 1.8	60	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Nikolaiev	29.80	758.4	29.93	760.2	50.5	10.3	86	sw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Capt. Kurdakow.

*Interpolated from the noon and evening observations.

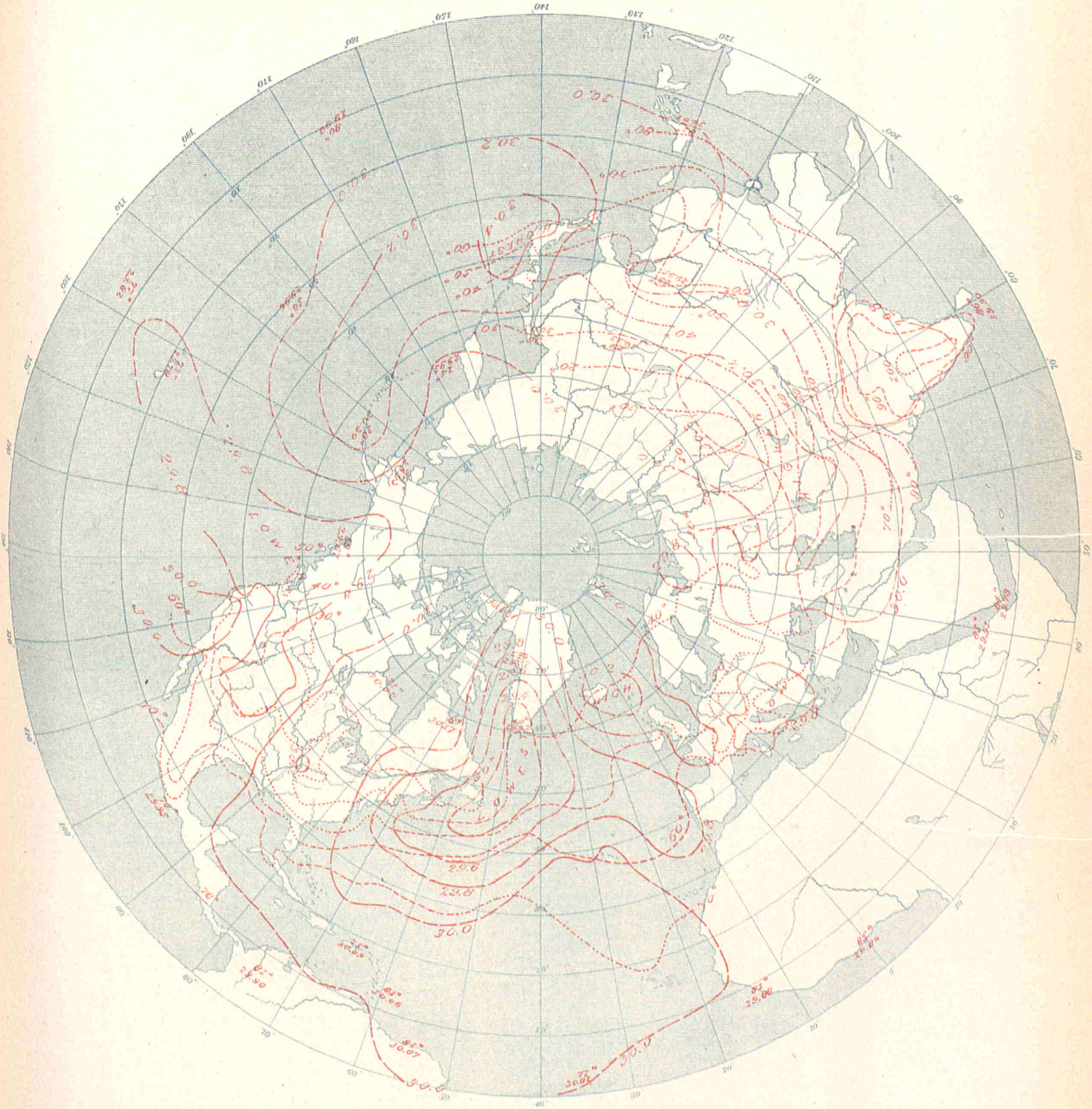
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.96	761.0	30.05	763.2	29.8	— 1.2	76	se.	4	2	.....	.....	9 n	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.80	757.0	29.95	760.6	63.3	17.4	44	calm	0	0	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.94	760.5	30.30	769.6	54.7	12.6	12	ene.	4	2	.....	0	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.69	754.0	29.88	759.0	47.3	8.5	56	wnw.	9	4	.....	0	5 s	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.43	747.4	29.93	760.1	46.9	8.3	82	ene.	9	4	.....	.....	10 s	.....	.....	0	0	.....	
Poti	29.98	761.6	30.02	762.4	60.1	15.6	89	sw.	4	2	.....	0	3 ks	.....	.....	0	0	.....	
St. Petersburg	29.93	760.2	29.95	760.8	51.3	10.7	36	sw.	7	3	.....	0	7	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.70	703.5	30.22	767.5	46.9	8.3	71	e.	7.8	3.5	.....	1 c	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.70	754.3	30.43	772.8	9.5	—12.5	73	s.	9	4	.....	.....	7	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.76	756.0	29.95	761.5	50.0	10.0	76	w.	11	5	.....	.....	9 n	.....	.....	0	0	.....	
Staroi Bykhov	29.41	747.0	29.97	761.1	52.5	11.4	57	ese.	9	4	.....	c	9 ks	.....	.....	0.016	0.4	light clouds	Carl Hagen.
Tashkend, Laboratory	28.50	724.0	30.20	767.1	50.4	10.2	48	nw.	4	2	.....	.....	4 k	.....	.....	.....	.....	.....	Terch, A. at
Tiflis	28 68	728.5	30.10	764.6	55.8	13.2	72	se.	4	2	.....	.....	9 ks	.....	.....	0.169	4.3	.....	Physical Observatory
Vernoe	27.59	700.8	30.17	766.4	38.7	3.7	66	calm	0	0	.....	0	3 k	.....	.....	.....	.....	.....	Larionow.
Viatka	29.53	750.1	30.19	766.7	35.6	2.0	69	s.	4	2	.....	.....	7	.....	.....	0	0	.....	
Vladivostock	29.95	760.7	30.02	762.4	38.3	3.5	98	se.	22	10	.....	.....	10 n	.....	.....	0.228	5.8	.....	
Warsaw	29.41	747.0	29.83	757.6	56.5	13.6	52	se.	4	2	.....	c	8 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.80	756.8	30.11	764.8	7.2	—13.8	49	sw.	2	1	.....	.....	2	.....	.....	blank	blank	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.47	748.5	29.96	761.0	52.2	11.2	30	wsw.	4.9	2.2	.....	4 cs	0	sw.	.....	0	0	fair	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.78	756.3	29.89	759.1	63.3	17.4	71	ne.	.....	.....	.....	0	8 k	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.82	757.3	29.87	758.8	72.1	22.3	45	se.	2.0	0.9	.....	0	0	.....	.....	0	0	clear	Angel de Uralde.
Burgos, Met. Obs'y	26.95	684.6	29.87	758.6	60.8	16.0	64	sw.	3.1	1.4	.....	0	0	.....	.....	0	0	clear	Domingo Martin.
Madrid, Royal Obs'y	27.69	703.2	29.86	758.4	66.9	19.4	61	s.	4.0	1.8	.....	0	1	.....	.....	0	0	almost clear	The Staff.
Murcia, Met. Obs'y	29.72	754.9	29.84	757.9	75.0	23.9	63	s.	4.0	1.8	.....	0	0	.....	.....	0	0	clear	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.87	733.3	29.74	755.4	67.8	19.9	59	se.	0.7	0.3	.....	.....	8	.....	.....	0	0	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.01	762.2	30.08	763.9	68.3	20.2	85	e.	2.2	1.0	.....	0	0	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.96	760.9	30.01	762.3	81.0	27.2	62	ese.	6.6	3.0	.....	0	0	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.74	755.4	29.84	757.8	69.8	21.0	54	e.	16.4	7.3	.....	0	0	.....	.....	0.076	1.9	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.00	761.9	30.09	764.2	74.8	23.8	89	calm	0	0	.....	3 c	0	.....	.....	0	0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	29.94	760.4	29.98	761.4	39.6	4.2	68	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	
Umea	29.89	759 2	29.94	760.5	45.3	7.4	57	e.	.....	.....	4	.....	8	.....	.....	0	0	.....	
Hernosand	29.83	757.6	29.88	758.9	41.0	5.0	76	ne.	.....	.....	4	.....	4	.....	.....	0	0	.....	
Stockholm	29.69	754.0	29.86	758.5	45.7	7.6	68	sse.	.....	.....	2	.....	9	.....	.....	0	0	.....	
Wisby	29.80	756.9	29.86	758.4	42.1	5.6	82	nw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.72	755.0	29.81	757.2	50.0	10.0	60	ssw.	4.5	2.0	.....	.....	3	.....	.....	inap.	inap.	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.51	724.2	29.96	760.9	48.6	9.2	37	n.	.....	.....	2	.....	7	.....	.....	0.008	0.2	cloudy	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.90	759 5	63.9	17.7	66	se.	0	0	.....	.....	9	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.92?	759.9?	69.4	20.8	.....	s.	.....	.....	2	.....	5	.....	.....	0	0	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.98	761.5	68.0	20.0	74	ne.	.....	.....	1	10 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.75	755.6	29.83	757.7	42.7	5.9	76	w.	12	5.4	.....	2 cs	5 s	w.	w.	0.04	1.0	fair	J. O. Barnes.
Alpena, Michigan	29.42	747.3	30.11	764.8	30	— 1.1	77	nw.	10	4.5	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.85	031 2	29.77	756.1	40.7	4.8	93	sw.	16	7.2	.....	0	5 ks	.....	sw.	0.29	7.4	fair	J. B. Turton.
Assinnaboine, Ft., Montana	27.01	686.0	29.92	760 0	37.0	2.8	88	sw.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	J.J.O'Connor.
Atlanta, Georgia	28.95	735.3	30.14	765.5	38.0	3.3	77	nw.	5	2.2	.....	2 c	fg.	nw.	.....	0	0	clear	S. W. Beall
Atlantic City, New Jersey	29.83	757.7	29.84	757.9	41.0	5.0	74	w.	10	4.5	.....	0	0	.....	.....	0	0	clear	B.A.Blundon.
Augusta, Georgia	29.99	761.7	30.18	766.6	43.7	6.5	78	nw.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	29.92	760.0	29.97	761.2	43.6	6.4	54	nw.	10	4.5	.....	4 cs	0	w.	.....	0	0	fair	Geo. W. Folger.
Barnegat City, New Jersey	29.82	757.4	29.84	757.9	43.6	6.4	74	n.	18	8 0	.....	2 cs	0	.....	.....	0	0	clear	J.P.Sherry.
Bennett, Fort, Dakota	28.30	718.8	29.94	760.5	35.2	1.8	80	se.	7	3.1	.....	4 k	5 s	nw.	.....	0	0	cloudy	A. Pritchard.
Benton, Fort, Montana	27.09	688.1	29.95	760.7	30.5	— 0.8	100	w.	6	2.7	.....	.....	10 s	.....	.....	0	0	threatening	C.S.Bennett.
Bismarck, Dakota	28.11	714.0	29.99	761.7	27.5	— 2.5	77	e.	8	3.6	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.72	754.9	29.76	755.9	40.7	4.8	90	ne.	9	4.0	.....	3cs;ck	0	n.	.....	0.07	1.8	clear	J. T. Elker.
Boise City, Idaho	26.91	683.5	29.75	755 6	46.3	7.9	76	s.	5	2.2	.....	.....	10 n	.....	sw.	0.11	2.8	light rain	James Kenealy.
Boston, Massachusetts	29.61	752.1	29.77	756.1	39.5	4.2	86	nw.	6	2.7	.....	2 c	2 s	n.	nw.	0.20	5.1	fair	O. B. Cole.
Brownsville, Texas	29.78	756.4	29.84	757.9	72.0	22.2	90	se.	12	5.4	.....	.....	10 s	.....	se.	inap.	inap.	cloudy	John McGlone.
Buffalo, New York	29.23	742 4	30 00	762.0	34.5	1.4	90	w.	4	1.8	.....	.....	10 s	.....	w.	0.04	1.0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	27.84	707.1	29.94	760.5	27.5	— 2.5	82	ne.	8	3.6	.....	3 c	0	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.81	757.2	30.22	767.6	43.0	6.1	60	e.	3	1.3	.....	0	0	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.52	749.8	29.72	754.9	47.9	8.8	87	s.	31	13.9	.....	0	6 k	.....	sw.	0.27	6.9	fair	J.H.Young.
Cape Henry, Virginia	29.96	761.0	29.98	761.5	45.0	7.2	68	nw.	24	10.7	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	29.87	758.7	29.90	759.4	41.5	5.3	73	nw.	24	10.7	.....	7cs;ck	0	w.	.....	0	0	fair	W.E.Smith.
Cape Mendocino, California	29.09	738.9	29.78	756.4	45.3	7.4	83	se.	48	21.5	.....	.....	10 n	.....	.....	0.15	3.8	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.05	763.3	30.07	763.8	61.8	16.6	81	nw.	4	1.8	.....	1 cs	0	w.	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	30.01	762 2	30.07	763.8	47.6	8.7	64	n.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.26	743.2	30.12	765.0	42.2	5.7	64	nw.	4	1.8	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.34	745.2	30.17	766 3	39.0	3.9	82	ne.	2	0.9	.....	4 cs	fg.	.....	.....	0	0	fair	B. L. Goulding.
Cheyenne, Wyoming	23.71	602.2	29.73	755 1	28.2	— 2.1	70	nw.	6	2.7	.....	0	4 s	.....	.....	0	0	fair	E. McGovern.
Chicago, Illinois	29.43	747 5	30.16	766.1	38.9	3.8	78	w.	5	2.2	.....	.....	10 s	.....	w.	inap.	inap.	cloudy	T.B.Jennings.
Chincoteague, Virginia	29.91	759.7	29.93	760.2	42.6	5.9	63	nw	19	8.5	.....	0	0	.....	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.50	749.3	30.17	766.3	40.5	4.7	73	n.	7	3.1	.....	0	7 s	.....	n.	0	0	fair	L.Dunne.
Cleveland, Ohio	29.34	745.2	30.10	764.5	37.0	2.8	85	nw.	4	1.8	.....	.....	10 ks	.....	nw.	inap.	inap.	cloudy	W.Line.
Columbus, Ohio	29.25	742.9	30.12	765.0	35.3	1.8	72	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	F.T. Williams.
Concho, Fort, Texas	27.97	710.4	29.91	759.7	45.7	7.6	93	ne.	4	1.8	.....	.....	10 n	.....	.....	0.16	4.1	light rain	C. E. King.
Custer, Fort, Montana	26.63	676 4	29.81	757.2	38	3.3	72	n.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	W.J.Daily.
Davenport, Iowa	29.48	748.8	30.15	765.8	44.1	6.7	74	nw.	3	1.3	.....	0	9 k	.....	nw.	0	0	cloudy	R. R. Martin.
Davis, Fort, Texas	25.09	637.3	29.87	758.7	44.5	6.9	86	sw.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty'y	27.95	709.9	29.71	754.6	44.2	6.8	100	e.	1	0.4	.....	.....	10 ks	.....	.....	0.43	10.9	cloudy	H.S.Blandford.
Deadwood, Dakota	25 10	637.5	29.78	756.4	34.3	1.3	79	W.	3	1.3	.....	4 k	0	W.	.....	0	0	fair	G.Kingsbury.
Delaware Breakwater, Del	29.90	759.4	29.92	760 0	42.3	5.7	69	nw.	18	8.0	.....	8 ck	0	nw.	.....	0	0	cloudy	G.A.Martin.
Denver, Colorado	24.44	620.8	29.71	754.6	34.0	1.1	74	nw.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	F. M. Neal.
Des Moines, Iowa	29.22	742.2	30.14	765 5	36	2.2	69	calm	0	0	.....	0	sk.	.....	.....	0	0	clear	F. W. Conrad.
Detroit, Michigan	29.40	746.7	30.12	765 0	36.0	2.2	69	W.	4	1.8	.....	0	1 s	.....	.....	0.01	0.3	clear	N.B.Conger.
Dodge City, Kansas	27.24	691.9	29.88	758.9	43.6	6.4	53	se.	16	7.2	.....	.....	10 s	.....	se.	0	0	cloudy	J.E.Lanouette.
Dubuque, Iowa	29.42	747.3	30.15	765 8	38.2	3.4	70	calm	0	0	.....	.....	10 s	.....	sw.	0	0	cloudy	A.W.Browne.
Duluth, Minnesota	29.36	745.7	30.13	765.3	32.9	0.5	89	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	E.R.Brace.
Eastport, Maine	29.59	751.6	29.66	753.4	33.0	0.6	83	n.	17	7.6	.....	.....	10 s	.....	n.	0.28	7.1	cloudy	D. C. Murphy.
Elliott, Fort, Texas	27.09	688.1	29.87	758.7	41	5.0	70	s.	8	3.6	.....	.....	10 s	.....	s.	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.12	663 4	29.86	758.4	50.4	10.2	53	W.	7	3.1	.....	0	0	.....	.....	0	0	clear	F.Belford.
Erie, Pennsylvania	29.30	744.2	30.05	763.3	36.6	2.6	81	w.	10	4.5	.....	.....	10 ks	.....	w.	0	0	cloudy	P.Wood.
Escanaba, Michigan	29.45	748.0	30.14	765.5	26.0	— 3.3	76	W.	1	0.4	.....	2 ck	fg.	W.	.....	inap	inap.	clear	L.M.Pindell.
Fort Smith, Arkansas	29.60	751.8	30.08	764.0	43.8	6.6	83	e.	12	5.4	.....	.....	10 s	.....	e.	0.02	0.5	cloudy	J. B. Campbell.
Galveston, Texas	29.92	760.0	29.96	761.0	67.7	19.8	90	e.	8	3.6	.....	.....	10 s	.....	se.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.47	748.5	30.16	766.1	36.0	2.2	79	n.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	Joseph E. Mueller.
Grant, Fort, Arizona	25.14	638.5	29.87	758.7	46.7	8.2	60	nw.	10	4.5	.....	0	2 k	.....	W.	inap.	inap.	clear	Chas. A. Read.
Hatteras, North Carolina	29.97	761.2	29.98	761.5	48.5	9.2	68	nw.	14	6.3	.....	0	7 k	.....	nw.	0	0	fair	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. c=10	Clouds. Amount and kind. Upper. c=10	Clouds. Amount and kind. Lower. c=10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.67	652.0	29.88	758.9	35	1.7	82	n.	6	2.7			10 n			0.08	2.0	light snow..	S. W. Morrison.
Huron, Dakota	28.60	726.4	30.05	763.3	30.0	— 1.1	77	se.	11	4.9		0	2 s			0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.34	745.2	30.16	766.1	38.0	3.3	66	n.	3	1.3		0	4 k		n.	0	0	fair	C. F. R. Wappenhans.
Indianola, Texas	29.86	758.4	29.89	759.2	67.8	19.9	95	s.	15	6.7		0	6 s		sw.	0	0	cloudy..	I. A. Reed.
Jacksonville Florida	30.03	762.7	30.07	763.8	54.8	12.7	69	nw.	6	2.7		hz.	0			0	0	clear	J. W. Smith.
Keokuk, Iowa	29.49	749.0	30.16	766.1	37.4	3.0	82	calm	0	0		0	0			0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.06	763.5	30.08	764.0	71	21.7	64	ne.	5	2.2		0	0			0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.98	761.5	30.00	762.0	46.0	7.8	51	nw.	12	5.4		0	hz.			0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.13	739.9	30.17	766.3	34.1	1.2	92	calm	0	0		0	fg.			0.10	2.5	clear	J. A. Cody.
La Crosse, Wisconsin	29.30	744.2	30.10	764.5	40.0	4.4	67	w.	2	0.9			10 s			0	0	cloudy	S. C. Emery.
Leavenworth, Kansas	29.20	741.7	30.11	764.8	39	3.9	73	se.	3	1.3		0	6 k		s.	0	0	fair	C. Dill.
Lewiston, Idaho	28.90	734.0	29.75	755.6	44.6	7.0	78	ne.	3	1.3			10 s			0.16	4.1	cloudy	C. E. Butler.
Little Rock, Arkansas	29.81	757.2	30.13	765.3	44 6	7.0	74	e.	10	4.5			10 n			0.29	7.4	light rain	W. U. Simons.
Los Angeles, California	29.71	754.6	30.11	764.8	51.8	11.0	88	ne.	4	1.8			10 ks		nw.	0.08	2.0	cloudy	T. S. Collins.
Louisville, Kentucky	29.58	751.3	30.15	765.8	43.8	6.6	62	w.	3	1.3		0	7 s		w.	0.05	1.3	fair	E. B. Garriott.
Lynchburg, Virginia	29.34	745.2	30.05	763.3	40.5	4.7	78	w.	2	0.9		0	1 k;sk		nw.	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.45	748.0	30.13	765 3	29.4	— 1.4	75	sw.	6	2.7		0	0			0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	30.00	762.0	30.01	762.2	46.1	7.8	69	n.	17	7.6		0	4 k;hz		nw.	0	0	fair	William Daly.
Maginnis, Fort, Montana	25.39	644.9	29.89	759.2	25.7	— 1.3	52	ne.	18	8.0			10 k		ne.	0	0	cloudy	F. Burke.
Marquette, Michigan	29.38	746.2	30.14	765.5	28.8	— 1.8	76	w.	5	2.2		0	3 k		nw.	inap.	inap.	clear	J. Gilligan.
Memphis, Tennessee	29.80	756.9	30.14	765.5	42.0	5.6	74	ne.	4	1.8			10s; fg			0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.38	746.2	30.15	765.8	39.3	4.1	79	se.	9	4.0		0	9 s		nw.	0	0	cloudy	S. W. Rhods.
Mobile, Alabama	30.05	763.3	30.09	764.3	53	11.7	62	ne.	9	4.0		5 ck	sk.	w.		0	0	fair	H. U. Jones.
Montgomery, Alabama	29.91	759.7	30.14	765.5	45.1	7.3	65	ne.	7	3.1		8 cs	0	nw.		0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.04	737.6	30.07	763.8	31.2	— 0.4	86	se.	5	2.2			10 s			0	0	cloudy	L. M. Dey.
Mt. Washington, N. H	23.39	594.1	29.80	756.9	20.2	— 6.6	100	nw.	10	4.5			fg.		nw	0.15	3.8	dense fog	E. A. Beals.
Nashville, Tennessee	29.59	751 6	30.17	766.3	38.0	3.3	82	e.	1	0.4		0	0			inap.	inap.	clear	L. N. Jesunofsky
New Haven, Connecticut	29.68	753.9	29.80	756.9	44	6.7	73	nw.	10	4.5		3 c	0			0	0	clear	J. H. Sherman.
New London, Connecticut	29.72	754.9	29.77	756.1	46.0	7.8	68	nw.	4	1.8		3 c	0	w.		0.10	2.5	clear	J. G. Lynch.
New Orleans, Louisiana	29.98	761.5	30.04	763.0	58.0	14.4	70	ne.	5	2.2		6 cs	hz.	w		0	0	fair	M. Herman.
New York, New York	29.67	753.6	29.85	758.2	43.4	6.3	72	nw.	11	4.9		2 ck	5 ks	nw.	nw.	0	0	fair	W. Finn.
Norfolk, Virginia	29.93	760.2	29.96	761.0	45.2	7 3	67	nw.	8	3.6		0	0			inap.	inap.	clear	Wm. Davis.
North Platte, Nebraska	26.94	684.3	29.90	759.4	36.1	2.3	72	se.	9	4.0		0	5 s			0	0	fair	E. F. Brady.
Olympia, Washington T'y	29.61	752.1	29.65	753.1	50.5	10.3	90	s.	16	7.2			10 n			0.48	12.2	light rain	J. Dascomb
Omaha, Nebraska	28.92	734.6	30.12	765.0	36.0	2.2	79	s.	2	0.9		3 cs	5 s	s.	s.	0	0	cloudy	A. Pollak
Oswego, New York	29.60	751.8	29.94	760.5	36.0	2.2	89	nw.	7	3.1			10 s		nw.	0.05	1.3	cloudy	J. G. Linsley.
Palestine, Texas	29.39	746.5	29.95	760.7	55.2	12.9	100	ne.	10	4.5			10s; fg			0.46	11.7	cloudy	P. T. Jenkins.
Pensacola, Florida	30.06	763.5	30.09	764.3	54.3	12.4	57	ne.	11	4.9		5 cs	hz.	w.		0	0	fair	M. McGauran.
Philadelphia, Pa	29.76	755.9	29.90	759.4	41	5.0	92	nw.	16	7.2		1 cs	hz.			0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.48	444.0	29.76	755.9	8.0	—13.3	83	nw.	10	4 5			10 s			0	0	cloudy	H. Hall.
Pittsburg, Pennsylvania	29.22	742.2	30.05	763.3	39.2	4.0	87	w	6	2.7			10 s		w.	0.03	0.8	cloudy	O. D. Stewart.
Poplar River, Montana					24.2	— 4.3	88					0	0			0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.37	746.0	30.07	763.8	34.0	1.1	88	nw.	4	1.8			10 s		n.	0.07	1.8	cloudy	M. H. Perry
Portland, Maine	29.70	754.4	29.75	755.6	42.5	5.8	81	ne.	3	1.3		0	fg; sk			0.13	3.3	clear	W. W. Eichelberger.
Portland, Oregon	29.72	754.9	29.80	756.9	48.4	9.1	76	s.	15	6.7			10 s			0.30	7.6	cloudy	M. L. Hearne.
Prescott, Arizona	24.60	624.8	29.87	758.7	38.5	3.6	86	sw.	13	5.8		0	4 s		sw.	0.34	8.6	fair	J. Glover.
Provincetown, Mass																			O. N. Kitchel.
Red Bluff, California	29.64	752.8	30.00	762.0	47.5	8.6	91	s.	18	8.0			10 ks		s.	0.35	8.9	cloudy	J. R. Williams.
Rio Grande City, Texas	29.60	751.8	29.84	757.9	73.0	22.8	86	s.	5	2.2		0	8 ks		se.	0	0	cloudy	L. G. Schultz.
Rochester, N. Y	29.29	744.0	29.98	761.5	33.2	0.7	100	nw.	10	4 5			10 n			0.12	3.0	light snow	E. W. McGann.
Roseburg, Oregon	29.30	744.2	29.86	758.4	44.2	6.8	80	calm	0	0		0	5 s		s.	0.30	7.0	fair	J. J. Naury.
Sacramento, California	29.99	761.7	30.06	763.5	49.7	9.8	89	s.	8	3.6			10 s		se.	0.32	8.1	cloudy	J. A. Barwick
St. Louis, Missouri	29.58	751.3	30.20	767.1	41.7	5.4	76	n.	1	0.4			sk.			0	0	dense smoke	J. H. Weber.
St. Michael, Fort, Alaska	29.90	759.4	29.93	760.2	32	0.0	100	s.	30	13.4			10 n			0.05	1.3	light snow	Fred. H. Clarke.
St. Paul, Minnesota	29.25	742.9	30.13	765 3	35.7	2.1	79	s	3	1.3			10 k		s.	0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.20	741.7	30.11	764.8	33	0.6	72	calm	0	0			10 s			0	0	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.39	644 9	29.76	755.9	45.7	7.6	62	calm	0	0			10 ks		sw.	inap.	inap.	cloudy	J. Craig.
San Diego, California	30.00	762.0	30.08	764.0	55.0	12.8	88	nw.	3	1.3		0	7 k		w.	0.14	3.6	fair	F. R. Day.
Sandusky, Ohio	29.36	745.7	30.06	763.5	38	3.3	78	nw.	14	6.3			10 ks		nw.	inap.	inap.	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.82	757.4	29.85	758 2	43.0	6.1	81	nw.	17	7.6		0	5 k		nw.	0	0	fair	V. P. Chappel.
Sanford, Florida	30.01	762.2	30.06	763.5	59.0	15.0	87	nw.	3	1.3		0	0			0	0	clear	J. B. Marbury
San Francisco, California	29.99	761.7	30.06	763.5	52.3	11.3	86	s.	5	2.2			10 s		sw.	0.72	18.3	cloudy	N. Gorom.
Savannah, Georgia	30.02	762.5	30.10	764.5	48.3	9.1	67	n.	4	1.8		0	0			0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.68	677.7	29.95	760.7	34	1.1	88	nw.	2	0.9			10 s			0.02	0.5	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.81	757.2	30.05	763.3	51.0	10.6	83	e.	10	4.5			10 n		e.	0.14	3.6	light rain	E. N. Meekins.
Sitka, Alaska	29.60	751.8	29.67	753.0	37.6	3.1	46	se.	6	2.7		0	0			0	0	clear	F. W. Fickett.
Smithville, North Carolina	30.02	762.5	30.06	763.5	44.2	6.8	54	n.	10	4.5		0	0			0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.67	702.8	29.73	755.1	44.0	6.7	86	sw.	2	0.9		0	0			0	0	cloudy	D. Moore.
Springfield, Illinois	29.49	749.0	30.19	766.8	43.2	6.2	59	nw.	1	0.4		0	8 s		sw.	0.09	2.3	clear	W. Norrington.
Stockton, Fort, Texas	26.86	682.2	29.89	759.2	47.8	8.8	100	se.	3	1.3			10 n			0	0	light rain	J. W. Byram.
Tatoosh Id., Wash. Ter	29.54	750.3	29.63	752.6	48.0	8.9	100	s.	18	8.0			10 n		s.	0.02	0.5	light rain	R. Connor.
Thomas, Camp, Arizona	27.21	691.1	29.94	760.5	51.2	10.7	74	w.			1	0	8 s		sw.	0.12	3.0	cloudy	R. O. Lord.
Toledo, Ohio	29.39	746.5	30.10	764.5	36	2.2	74	nw.	5	2.2		0	6 k		nw.	0	0	fair	A. Buell.
Unalashka, Alaska	30.28	769.1	30.30	769.6	38	3.3	89	s.	1	0.4		0	1 s		sw.	inap.	inap.	clear	Samuel Applegate
Vicksburg, Mississippi	29.84	757.9	30.10	764.5	47.5	8.6	67	e.	8	3.6			10 s		w.	0.01	0.3	cloudy	F. W. Mixer.
Washington, D. C	29.88	758.9	30.00	762.0	40.3	4.6	64	nw.	10	4.5		0	0			0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25 68	652.3	29.63	752.6	38.2	3.4	59	w.	2	0.9			10 s		w.	0	0	cloudy	F. H. Brandenburg.
Wilmington, N Carolina	30.02	762.5	30.08	764.0	46.3	7.9	56	n.	4	1.8		0	sk.			0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.74	730.0	30.08	764.0	33.7	0.9	85	se.	4	1.8		7 ck	0	s.		0	0	fair	E. H. Thompson.
Yuma, Arizona	29.82	757.4	29.97	761.2	59.7	15.4	50	nw.	15	6.7		0	0			0	0	clear	W. S Delano.
(Sub-series).																			
Behringisland, Kamchatka	29.93	760.2	29.95	760.7	13.0	—10.2		se.	3	1.3		0	2 s			inap.	inap.	clear	George Oherulck.
Bluefields, Nicaragua, C. A					84	28.9		nw.			2	1 c	3 k		ne.	0.21	5.3	fair	W. F. Jackson.
bogota, U. S. C	21.89	556.1			55.4	13.0	81	calm	0	0		2 ck	2 k	nw.	w	0	0		Joaquin Gomez.
Chimo, Fort, Ungava	30.02	762.5	30.17	766.3	8	—13.3	100	calm	0	0			10 s		nw.	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I			30.03	762.7	70	24.4	82	calm	0	0		2 cs	6 s		e.	0	0	cloudy	Robert Jonstone.
Paramaribo, S. A	30.07	763.8	30.07	763.8	80.5	26.9	76	e.			1	4 c	3 s	e.		0	0		Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.34	745.2	29.90	759.4	81	27.2	90	s.			1	3 ck		s.		0	0	fair	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	29.887	758.9?	30.04?	763.0?	78	25.6	85	ne.			1					0	0	clear	Earl Flint.
York Factory, B. A	29.95	760.7	30.02	762.5	—20.5	—29.2		w.	17	7.6		2 c	1 s	w.	w.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon																			P. Fasiani.
Naos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Arizona, N. 47° 34′, W. 29° 47′	29.70	754.4	49	9.4	.....	nnw.	.....	.....	3	.....	5	.....	n.	0	0	high	n.	½ covered.
S. S. Alvo, Aux Cayes, Hayti, W.I*	30.01	762.2	78	25.6	.....	e.	.....	.....	3	.....	5	.....	e.	0	0	.....	.....	light haze.
S. S. Alps, Aguadilla, Porto Rico, W. I *†	30.04	763.0	85	29.4	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Ailsa, N. 15° 46′, W. 80° 52′	.....	.....	79.5	26.4	90	ne.	.....	.....	3	.....	8	.....	nne.	0	0	sm'h	ene.	cloudy.
S. S. Abyssinia, N. 44° 44′, W. 37° 43′ *	29.76	755.9	53	11.7	80	sw.	.....	.....	4	.....	4?	.....	w.	0	0	mod.	nnw.	overcast.?
S. S. Assyrian Monarch, N. 41° 32′, W. 64° 25′ †	29.44	747.8	.....	.....	.....	wnw.	.....	.....	6	.....	4?	.....	wnw.	0	0	mod.	w.	cloudy?
S. S. Bohemia, N 43° 26′, W. 37° 58′	.....	.....	.....	.....	.....	var.	.....	.....	6–7	.....	9	.....	nw;sw	3 h'r	3 h'r	r'gh	var.	rainy.
S. S. Britannic, N. 41° 32′, W. 61° 10′*†	29.42	747.3	44	6.7	.....	wnw.	.....	.....	6	.....	7	.....	nw.	3 h'r	3 h'r	high	nw.	showery.
S. S. City of Washington, N. 19° 50′, W. 90° 49′	.....	.....	83	28.3	.....	e	.....	.....	3	.....	2	.....	ese.	0	0	.....	.....	clear.
S. S. Canada, (Fr) N. 50° 09′, W. 3° 09′†	30.11	764.8	55	12.8	93	se.	.....	.....	2	.....	8	.....	sse.	0	0	sm'h	.....	hazy.
S. S. Circassian, N. 45° 00′, W. 42° 00′	.....	.....	52	11.1	93	s.	.....	.....	6	.....	10	.....	s.	.....	.....	4	s.	raining.
S. S. Cienfuegos, N. 37° 26′, W. 74° 25′	29.96	761.0	43	6.1	.....	w.	.....	.....	4	.....	0	.....	.....	0	0	small	nw.	hazy.
Bk. C. S. Bushnell, N. 39° 10′, W. 14° 04′	29.62	752.3	.....	.....	.....	nnw.	.....	.....	4	.....	10	.....	sw.	driz.	driz	long	w.	rainy.
S. S. Denmark, N. 43° 43′, W. 37° 07′†	29.70	754.4	62?	16.7?	88	ssw.	.....	.....	6	.....	10	nw.	sw.	6 h'r	6 h'r	mod.	wnw.	cloudy.
S. S. E. B. Sutton, N. 38° 00′, W. 47° 48′*†	29.78	756.4	65	18.3	89	wsw.	.....	.....	4	.....	10	.....	w.	2 h'r	2 h'r	h'vy	r'gh	raining.
S. S. Elbe, N 40° 37′, W. 60° 00′	29.50	749.3	51.8	11.0	.....	nw.	.....	.....	6	.....	9	.....	nw.	18 h'r	18 h'r	long	ne.	cloudy
S. S. Elder, off Needles, Eng	30.05	763.3	48.2	9.0	.....	se.	.....	.....	2	.....	4	.....	sw.	0	0	sm'h	s.	hazy.
S. S. Fulda, N. 49° 45′, W. 8° 40′	29.91	759.8	52.7	11.5	93	sse.	.....	.....	4–5	.....	9	.....	s.	½ h'r	½ h'r	long	sw.	misty.
S. S. Gellert, N. 49° 14′, W. 20° 00′	.....	.....	54.5	12.5	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	r'gh	sw.	clear.
S. S. Gallia, N. 51° 16′, W. 10° 46′	29.90	759.4	54	12.2	.....	se.	.....	.....	6	.....	10	.....	.....	.....	.....	con.	.....	misty.
S. S. Helvetia, N. 40° 56′, W. 51° 08′	29.42	747.3	52	11.1	93	sw.	.....	.....	5	.....	4	.....	sw.	4 h'r	4 h'r	h'vy	sw.	fair.
Bk. Heinrich & Tonio, N. 39° 35′, W. 69° 52′	.....	.....	45	7.2	92	nnw.	.....	.....	3	.....	.....	.....	.....	3 h'r	3 h'r	mod	w.	clear.
Bg. L. & W. Armstrong, N. 34° 52′, W. 69° 04′*†	29.80	756.9	.....	.....	.....	nw.	.....	.....	1	.....	3	.....	wnw.	1 h'r	1 h'r	high	nw.	squally.
S. S. Lone Star, N. 34° 57′, W. 75° 19′ *†	29.93	760.2	53	11.7	.....	n.	.....	.....	4	.....	4	.....	n.	1 h'r	1 h'r	mod.	n.	clear.
S. S. Llandaff City, N. 40° 43′, W. 66° 03′*†	29.50	749.3	44	6.7	.....	nnw.	.....	.....	6	.....	5	.....	nw.	4 h'r	4 h'r	high	nw.	fair.
Schr. Maggie Abbott, N. 38° 00′, W. 68° 00′*†	29.62	752.3	.....	.....	.....	nw.	.....	.....	5	.....	6	.....	nw.	0	0	h'vy	.....	fair.
S. S. Marengo, N. 40° 30′, W. 49° 56′	.....	.....	60	15.6	.....	wsw.	.....	.....	6	.....	.....	.....	wsw.	4 h'r	4 h'r	h'vy	wsw.	clear.
S. S. Nurnberg, off Portland Bill, Eng	30.06	763.5	57.2	14.0	.....	e.	.....	.....	1	.....	6	.....	w.	0	0	sm'h	.....	fair.
S. S. Nova Scotian, N. 50° 06′, W. 21° 10′	.....	.....	53	11.7	.....	se.	.....	.....	4	.....	5	.....	wsw.	.....	.....	high	var.	fair.
S. S. Orinoco, N. 34° 19′, W. 66° 33′ †	29.88	758 9	64	17.8	.....	w.	.....	.....	4	.....	8	.....	w.	2 h'r	2 h'r	r'gh	wnw.	cloudy.
S. S. Oregon, (Br) N. 44° 53′, W. 44° 57′	29.45	748.0	56	13.3	.....	wsw.	.....	.....	4	.....	4	.....	wsw.	5 h'r	5 h'r	h'vy	n.	fine.
S. S. Olbers, N. 29° 29′, W. 67° 13′	.....	.....	70	21.1	59	w.	.....	.....	6	.....	3	.....	wnw.	.....	.....	6	wnw.	squally.
S. S. Polynesian, off Inishowen, Ireland	.....	.....	47	8.3	.....	sw.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	.....	hazy.
S. S. P. Caland, N. 46° 22′, W. 30° 06′	29.68	753.9	53.2	11.8	.....	wsw.	.....	.....	3	.....	7	.....	n.	rain	rain	5	wnw.	fair.
S. S. Republic, N. 49° 37′, W. 22° 52′ †	29.74	755.4	50	10.0	.....	nw.	.....	.....	4	.....	8	.....	nw.	0	0	h'vy	w.	d, clouds.
S. S. State of Georgia, N. 46° 48′, W. 38° 37′†	29.60	751.8	52	11.1	.....	sse.	.....	.....	6	.....	9	.....	sse.	rain	rain	long	nnw.	cloudy.
Bk. Tuck Sing, N. 36° 58′, W. 74° 09′	.....	.....	.....	.....	.....	nw.	.....	.....	4	.....	0	.....	.....	0	0	short	nw.	hazy.
S. S. The Queen, N. 50° 55′, W. 14° 20′	29.80	756.9	56	13.3	.....	ese.	.....	.....	2	.....	10	.....	se.	7 h'r	7 h'r	mod	wsw.	foggy.
S. S. Valencia, N. 37° 56′ W. 73° 45′ †	29.86	758.4	51	10.6	79	wnw.	.....	.....	6	.....	1	.....	nw.	0s	0	mod.	nw.	clear.
S. S. Vaderland, N. 43° 31′, W. 42° 00′ *†	29.67	763.6	63	17.2	.....	wsw.	.....	.....	5	.....	5	.....	nw.	4 h'r	4 h'r	mod.	w.	fair.
S. S. Wieland, N. 50° 25′, W. 20° 28′	.....	.....	55	12.8	.....	s.	.....	.....	4	.....	8	.....	sw.	rain	rain	mod.	sw.	squally.
S. S. Weser, N. 47° 41′, W. 29° 20′	.....	.....	50.0	10.0	.....	nw.	.....	.....	5	.....	7	.....	nw.	2 h'r	2 h'r	6	wnw.	fair.
S. S. Westernland, Antwerp, Belgium	29.96	761.0	49	9.4	85	nne.	.....	.....	1	.....	10	.....	nne.	8 h'r	8 h'r	.....	.....	overcast.
S. S. Waesland, Antwerp, Belgium	29.99	761.7	50	10.0	.....	n.	.....	.....	4	.....	9	.....	n.	6 h'r	6 h'r	.....	.....	cloudy.
S. S. Lessing, N. 40° 45′, W. 69° 12′	.....	.....	44	6.7	.....	nw.	.....	.....	5	.....	7	.....	nnw.	2 h'r	2 h'r	long	nw.	fair.
Bk. Alpha, N. 23° 32′, W. 69° 45′ *†	30.05	763.3	76	24.4	.....	nnw.	.....	.....	1	.....	2	.....	sw.	1 h'r	1 h'r	sm'h	.....	clear.
Schr. Adda Doane, Port Antonio, Jamaica, W.I †	30.03	762.7	.....	.....	.....	se.	.....	.....	1	.....	2	.....	w.	0	0	.....	.....	clear.
S. S. America, N. 37° —′, W. 75° —′	.....	.....	46	7.8	.....	nw.	.....	.....	3	.....	5	.....	.....	0	0	sm'h	nnw.	fair.
S. S. British Princess, N. 50° 40′, W. 17° 30′ †	29.75	755.6	.....	.....	.....	se.	.....	.....	2	.....	9	.....	se.	0	0	sm'h	.....	overcast.
S. S. Caracas, Curacoa, W. I *†	30.01	762.2	79.5	26.4	84	e.	.....	.....	4	.....	3	.....	e.	½ h'r	½ h'r	light	ese.	clear.
S. S. City of Merida, N. 37° 44′, W. 74° 30′	.....	.....	.....	.....	.....	nw.	.....	.....	3	.....	.....	.....	.....	0	0	light	nw.	fine.
S. S. Chalmette, N. 25° 30′, W. 84° 43′ †	30.12	765.0	64	17.8	.....	se.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Devonia, N. 46° 35′, W. 42° 50′ †	29.44	747.8	54	12.2	.....	ssw.	.....	.....	3	.....	6	.....	wnw.	8 h'r	8 h'r	long	s.	light haze.
Bk. Esmeralda, Pt. Lynas, Wales	30.01	762.2	.....	.....	.....	sse.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. England, N. 50° 30′, W. 15° 59	29.70	754.4	.....	.....	.....	e.	.....	.....	3	.....	fg	.....	e.	0	0	h'vy	w.	foggy.
S. S. Foscolia, N. 38° 47′ W. 30° 44′ †	29.98	761.5	60	15.6	.....	nw.	.....	.....	5	.....	8	.....	nw.	0	0	h'vy	nw.	squally.
S. S. Hohenstaufen, N. 47° 18′, W. 29° 14′	29.76	755.9	49	9.4	.....	w.	.....	.....	6	.....	8	.....	nw.	4 h'r	4 h'r	cross	.....	cloudy.
S. S. Habsburg, N. 44° 12′, W. 30° 18′	29.88	758.9	.....	.....	.....	nnw.	.....	.....	4	.....	6	.....	n.	6 h'r	6 h'r	h'vy	n.	fair.
Bk. Idaho, N. 19° 39′, W. 76° 58′*†	30.05	763.3	.....	.....	.....	e.	.....	.....	2	.....	1	.....	e.	0	0	long	se.	clear.
Bg. Lillian, N. 16° 00′, W. 57° 00′†	30.13	765.3	.....	.....	.....	e.	.....	.....	3	.....	3	.....	ese.	0	0	r'gh	se;e.	clear.
S. S. Labrador, N. 45° 43′, W. 39° 41′*†	29.65	753.0	59.0	15	.....	s.	.....	.....	6	.....	4	.....	w.	rain	rain	large	w.	fair.
S. S. Muriel, Antigua, W.I	30.06	763.5	81	27.2	.....	e.	.....	.....	3	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
S. S. Pennsylvania, N. 38° 58′, W. 58° 15′	.....	.....	57	13.9	94	w.	.....	.....	4	.....	6	.....	wsw.	3 h'r	3 h'r	mod	wsw.	showery.
S. S. Prussian, N. 52° 02′, W. 25° 09′	29 68	753 9	49	9.4	.....	w.	.....	.....	4	.....	7	.....	w.	7 h'r	7 h'r	mod	wsw.	fair.
S. S. Samaria, N. 47° 11′, W. 37° 31′ *	29.56	750.8	41?	5.0?	.....	s.	.....	.....	5	.....	7	.....	s;e.	8 h'r	8 h'r	long	s;e.	threatening.
Bk. Tros, N. 27° 10′, W 65° 59′*†	29.98	761.5	72	22.2	.....	wsw.	.....	.....	2	.....	4	.....	wsw.	0	0	mod	nnw.	fair.
S. Tsernogora, N. 39° 00′, W. 70° 32′*†	29.67	753.6	.....	.....	.....	nnw.	.....	.....	4	.....	2	.....	n.	0	0	long	w.	clear.
S. S. Werra, N. 40° 49′, W 66° 50′	.....	.....	39.2	4.0	.....	wnw.	.....	.....	5–6	.....	10	.....	nw.	3 h'r	3 h'r	r'gh	nw	raining.
U. S. S. Alliance, N. 20° 22′, W. 72° 18′	30.07	763.8	79	26.1	82	n.	.....	.....	2	.....	2	.....	n.	light	light	sm'h	.....	fair.
U. S. S. Galena, N. 19° 47′, W. 69° 06′ *	30.02	762.5	78	25.6	82	se.	.....	.....	2	.....	10	.....	se.	.....	.....	sm'h	.....	cloudy.
U. S. S. Jamestown, St. Kitts, W I	30.11	764.8	78	25.6	78	ese.	.....	.....	1	.....	5	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Pensacola, N. 2° 48′, W. 35° 32′ †	30.02	762.5	77	25.0	95	nne.	.....	.....	2	.....	8	.....	ne.	2.27	57.7	con.	ne.	fair.
U. S. S. Portsmouth, N 27° 00′, W. 69° 38′	30.06	763.5	72	22.2	80	wnw.	.....	.....	3	.....	.....	.....	.....	.....	.....	long	nw.	clear.
U. S. S. Quinnebaug, Tripoli, Tripoli	29.94	760.5	66	18.9	74	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Swatara, Matanzas, Cuba, W. I	30.05	763.3	68	20.0	95	calm	.....	.....	0	.....	0	.....	.....	light	light	.....	.....	clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.05	763.3	68	20.0	84	s.	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S Yantic, N 22° 54′, W. 79° 07′	30.08	764.0	75	23.9	72	n.	.....	.....	2	.....	2	.....	.....	.....	.....	sm'h	.....	clear
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.90	759.4	65	18.3	78	nnw	.....	.....	2	.....	1	nnw.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Alecto, N. 5° 33′, W. 0° 04′	29.89	759.2	85	29.4	.....	ssw.	.....	.....	2	.....	4	.....	.....	.....	.....	3	ssw.	d, clouds.
H. M. S. Himalaya, N. 37° 36′, E. 4° 34′	29.92	760.0	67	19.4	74	var.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Inflexible, N. 38° 00′, E. 20° 40′	29.80	756.9	64	17.8	100	wnw.	.....	.....	3	.....	8	wnw.	.....	.....	.....	2	wnw.	showery.
H. M. S. Minotaur, N. 36° 20′, E. 22° 27′	29.82	757.4	62.5	16.9	74	nne.	.....	.....	4	.....	8	wsw.	.....	.....	.....	.....	.....	misty.
H. P. M. S. Bengo, Cachéo, Senegambia	30.00	762.1	75.2	24.0	91	sw.	.....	.....	2	.....	0	.....	.....	0	0	1	.....	blue sky.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.93	760.2	76.5	24.7	92	sw.	.....	.....	4	.....	10	.....	sw.	4 h'r	4 h'r	3	se.	raining.
S. S. British Crown, N. 40° 11′, W. 53° 29′†	29.50	749.3	57	13.9	.....	wsw.	.....	.....	6	.....	9	.....	wsw.	2 h'r	2 h'r	high	wsw.	
S. S. British Prince, N. 50° 39′ W. 16° 17′ *	29.78	756.4	53.5	11.9	100	s.	.....	.....	1	.....	10	.....	sw.	5 h'r	5 h'r	h'vy	sw.	dense fog.
S. S. Scandinavian, N. 41° 57′, W. 53° 38′ —	29.40	746.7	52	11.1	.....	w.	.....	.....	6	.....	10	.....	w.	sh'rs	sh'rs	high	ssw.	overcast.
S. S. Sardinian, N. 44° 18′, W. 63° 45′	29.48	748.8	34	1.1	.....	n.	.....	.....	4	.....	9	.....	nne.	6 h'r	6 h'r	long	ne.	cloudy.
S. S. Dorian, N. 40° 28′, W. 27° 30′	30.01	762.2	54	12.2	.....	n.	.....	.....	6	.....	6	.....	n.	sh'rs	sh'rs	r'gh	nw.	fine.
S. S. California, N. 53° 10′, E. 4° 23′	.....	.....	.....	.....	.....	e.	.....	.....	5	.....	7	.....	e.	0	0	long	e	cloudy.
S. S. Westphalia, N. 50° 04′, W. 4° 44′	30.03	762.7	55	12.8	.....	sse.	.....	.....	4	.....	4	.....	e.	0	0	.....	.....	clear.
S. S. Moravia, N. 49° 48′, W. 10° 28′	.....	.....	48.2	9	.....	se.	.....	.....	4	.....	10	.....	se.	5 h'r	5 h'r	mod	s.	misty.
S. S. Hammonia, N. 40° 12′, W. 70° 00′	.....	.....	43	6.1	.....	wnw.	.....	.....	5	.....	3	.....	wnw.	½ h'r	½ h'r	sm'h	nw.	fair.
S. S. Venetian, N. 51° 20′, W. 9° 25′*	29.98	761.5	50	10.0	.....	sse.	.....	.....	6	.....	10	.....	s.	3 h'r	3 h'r	.....	var.	misty.
S. S. Havelius, N. 49° 50′, W. 5° 11′	.....	.....	46	7.8	.....	ese.	.....	.....	5	.....	7	.....	wnw.	1 h'r	1 h'r	.....	.....	cloudy.
S. S. Donau, N. 46° 55′, W. 32° 54′	.....	.....	.....	.....	.....	wsw.	.....	.....	2	.....	2	.....	wsw.	2 h'r	2 h'r	r'gh	wnw.	clear.
S. S. Strassburg, N. 3° 27′, W. 29° 35′	30.057	763.37	82 5	28.1	79	nne.	.....	.....	2	.....	8	.....	nne.	17 h'r	17 h'r	3	var.	cloudy
S. S. Baltimore, N. 49° 34′, W. 16° 16′	.....	.....	55.4	13.0	.....	se.	.....	.....	2	.....	5	.....	s.	0	0	mod.	w.	foggy.
S. S. Belgenland, N. 44° 57′, W. 33° 14′	.....	.....	52	11.1	93	nw.	.....	.....	6	.....	.....	.....	nw.	0	0	h'vy	nnw.	cloudy.
S. S. Pennland, Antwerp, Belgium *†	29.90	759.4	52	11.1	66	n.	.....	.....	2	.....	8	.....	ne.	9 h'r	9 h'r	.....	.....	fair.
S. S. Amsterdam, Amsterdam, Holland	.....	.....	.....	.....	.....	s.	.....	.....	1	.....	9	.....	s	12 h'r	12 h'r	.....	.....	threatening.
S. S. W. A. Scholten, N. 40° 15′, W. 68° 44′	.....	.....	43.5	6.4	92	nw.	.....	.....	1	.....	8	.....	nw.	0	0	2	w.	fair.
S. S. Zaandam, N. 45° 53′, W. 34° 45′	.....	.....	50.9	10.5	77	sse.	.....	.....	3	.....	6	.....	var.	0	0	long	nw.	cloudy.

Vessels, with position at time of observation.	Barometer reduced to sea-level. Inch.	Barometer Mill.	Temperature of the air. Fah.	Temperature Cent.	Relative humidity Per cent.	Wind. Direction. From.	Wind Velocity Miles p. hr.	Wind Velocity Mtrs. p. sec	Wind Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds Amount Lower. 0–10	Clouds Direction. Upper. From.	Clouds Direction Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall Mill.	Sea-swell. Character.	Sea-swell Direction from.	Weather.
District No 1 – North Atlantic.—Continued.																		
S. S. Maasdam, N. 39° 56′, W 58° 34′*	29.43	747.5	60	15.6	71	w.			6		4?		w.	10 h'r	10 h'r	6	w.	cloudy?
S S. Baltic, N. 40° 20′, W. 70° 07′*†	29.74	755.4				nnw.			4		5		nnw.	0	0	light	nnw.	fair.
Bg. Alcira, N. 12° 18′, W. 69° 48′			80	26.7		e.			4		3		e.	0	0	short	ese.	hazy.
S. S. Antonio Lopez, N. 19° 52′, W. 63° 41′			76.5	24.7	84	se.			1		2			0	0	sm'h		clear.
Schr. Arthur Burton, Ponce, Porto Rico, W I†	30.07	763.8				ne.			1		2		ne.	0	0	sm'h		fine.
Schr. Annie R Lewis, N. 20° 00′, W. 70° 14′†	30.06	763.5	82	27.8		ssw.			1		5?		w.	0	0		s.	cloudy.?
Schr. Anna A. Holton, N. 27° 52′, W. 70° 09′*†	29.89	759.2	70	21.1		wnw.			4		5		w.	5 mi	nutes	mod	sw.	fair.
Bk. Aureola, N. 20° 30′, W. 29° 47′			76?	24.4?	73	nne.			5		5		ne.	0	0	sm'h		fair.
Bg. Abbie Clifford Port of Spain, Trinidad, W. I†	29.98	761.5	78	25.6		ese.			2		3		ese.	0	0			fine.
Bgt. Achsah, N 23° 47′, W. 64° 54′ †	30.08	764.0	78	25.6		sw.			3		5?		sw.	0	0	sm'h	se.	clear.?
Bk. Adelaide, N. 16° 26′, W. 56° 44′			80	26.7		e.			4		1		ene.	0	0	mod.	e.	clear
Schr. Abbie H. Gheen, N. 38° 30′, W. 72° 30′*†	29.75	755.6	54	12.2		nw.			6									fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.04	763.0	80	26.7		ene.			4		6		ene.	1 h'r	1 h'r			smoky.
Bk. Cato, N. 56° 00′, E 3° 56′ †	30.03	762.7	48	8.9	89	wnw.			3		5?		nw.	0	0			cloudy.?
S. Cornelius, N. 26° 50′ W 22° 30′ *†	30.14	765.5	68.4	20.2		nnw.			6		1		n.	0	0	long	nw.	fair.
Bk. Diamant, N. 40° 30′, W. 42° 14′	29.74	755.3	64.0	17.8	88	ssw.			6		9		ssw	2 h'r	2 h'r	5	sw.	covered
S. E. J. Spicer, N. 40° 48′, W. 47° 00′	29.67	753.6	65	18.3	94	ssw.			5		10		sw.	8 h'r	8 h'r	high	sw.	overcast.
Schr. Edith R. Seward, N. 35° 52′, W. 71° 30′			56	13.3		nw.			6		7		nnw.	¼h'r	¼h'r	r'gh	nw.	cloudy.
S. Ismir, N. 13° 56′, W. 54° 47′						ne.			5		4		ne.	0	0	mod.	ne.	fine.
Bg. George, N. 32° 45′, W. 69° 10′						wnw.			4		2		wnw.	rain	rain	r'gh	wnw	fair.
Bk. Gloire, N. 40° 25′, W. 55° 30′	29.51	749.5	56	13.3		w.			6				w.	rain	rain	rg'h	wsw.	cloudy.
S. Grecian, N 47° 42′, W. 17° 50′†	29.72	754.9	60	15.6	76	wnw.			1		1			0	0	long	wsw.	clear.
Bk. Galeon, N. 13° 06′, W. 54° 36′†	30.11	761.8	79.5	26.4		ese.			5		3		ese.	light	light			blue sky.
S. Hedwig, N 39° 20′ E. 18° 08′	29.87	758.6	64.9	18.3	89	s.			1		3		s.	1 h'r	1 h'r	1	sw.	clear.
Bk. Hattie G. McFarland, N. 26° 50′, W. 86° 59′			72	22.2		e.			2		4		e.	0	0	sm'h		fine.
S. Henry, N. 40° 25′, E. 18° 57′			59.0	15.0		s.			3		5 s					2	s.	hazy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.06	763.5				s.			1		3		sw.	0	0			fair.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†	30.07	763.8				nne.			2		0							clear.
Schr. John Bird, N. 20° 11′ W. 80° 46′*†	30.02	762.5				se			5				se.	0	0	mod.	se.	fine.
Schr. Jenny Greenbank, N. 20° 05′, W. 70° 15′*	30.06	763.5	78	25.6		calm			0		3		sw.	0	0	mod.	ese.	fair.
Schr. Jenny R Morse, Darien, Ga †	30.08	764.0				n.			2		0			0	0			fine.
Light-house tender Laurel, Dry Tortugas, Fla†	30.06	763.5	70	21.1		nne.			1–2		2		nne.	0	0			clear.
S. S. Mendoza, N. 26° 54′, W. 65° 02′						w.			1				wnw.	0	0	sm'h	nw.	clear.
Schr. Martinique, N. 28° 16′, W. 58° 40′			60?	15.6?		wsw.			4		10		sw.	rain	rain	mod.	sw.	raining.
Schr. Norena, N. 28° 52′, W. 65° 40′†	29.94	760.5				wnw.			3		2		w.	0	0	mod.	nw.	clear.
Bg. Rising Sun, N. 10° 00′, W. 57° 09′†	30.04	763.0	80	26.7		ene.			5		3		ene	0	0	mod.	ene.	
Bk. Rosalie, N 21° 02′, W. 38° 00′*†	30.17	766.3				ene.			4		1		e.	0	0	mod.	wnw.	clear.
Bkt. Rosebud, N. 25° 06′, W 20° 22′*	30.04	763.0	70	21.1		wnw.			5		0			0	0	short	wnw.	fine.
S. Salisbury, N. 41° 05′, W. 25° 06′	29.86	758.4	52.9	11.6	86	nw.			7–8		6 k		nw.	½ h'r	½ h'r	h'vy	nw: n	fair.
Bk. Saga, N. 39° 15′, W. 36° 50′†	30.07	763.7	61	16.1					5		4			¼ h'r	¼ h'r	9		clear.
Bgt. Sunlight, N. 38° 52′, W. 72° 26′						nw.			4		2		nw.	0	0	mod.	nw.	clear.
S. Stephen D. Horton, N. 40° 51′, W. 64° 11′						wnw.			6		8		wnw.	6 hr	6 hr	cross	var.	cloudy,
Bg. Teneriffe, N. 35° 58′, W. 73° 40′.	29.85	758.2				nw.			6		3		w.	1 h'r	1 h'r	3	nw.	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.10	764.5	76	24.4		s.			1		0			0	0			clear.
Schr. John Bracewell, N. 40° 30′, W. 73° 30′†	29.81	757.2	40	4.4		nw.			4		4		nw.	0	0	sm'h	ssw.	fair.
District No. 2—South Atlantic.																		
U. S. S. Shenandoah, S. 48° 23′, W. 64° 44′*	29.47	748.5	50	10.0	100	wsw.			4		2		w.			sm'h		fair.
H. M. S. Amethyst, Montevideo, Uruguay	29.95	760.7	59	15.0	76	nne.			1		0							blue sky.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.00	762.0	62	16.7		wnw.			2		3	wnw.						squally.
H. M. S. Sylvia, S. 39° 50′, W. 13° 44′	30.34	770.6	60	15.6	80	n.			5		8	calm				2	n.	d. clouds.
Bk. Achille F., S. 24° —′, W. 39° 15′*†	30.16	766.1	75.5	24.2	90	sse.			4		8		se.	8 h'r	8 h'r		sw.	
Bk. Bore, S. 16° 51′, W. 35° 03′ *†	30.19	766.8	85	29.4		ese.			3		3		se.	0	0	sm'h	e.	clear.
S. Frank N. Thayer, S. 32° 41′, W. 19° 57′*	30.26	768.6	72	22.2	71	ne.			5		10			0	0	light	ese.	d. clouds.
S. Gatherer, S. 37° 18′, W. 46° 35′†	30.08	764.0	71	21.7	95	w.			3		2		w.	0	0	rg'h	sw.	clear.
Bkt. Levanter, S. 2° 28′, W. 35° 17′	30.02	762.5	82	27.8		ene.			1		10			1 h'r	1 h'r	mod.	e.	cloudy.
S. Ringleader, S. 14° 25′, W. 32° 00′ †	29.93	760.2	85	29.4	64	se.			3		3		se.	1 h'r	1 h'r	mod.	se.	fine.
Bk. Xenia, S 26° 50′, W. 26° 20′*†	30.27	768.8	80	26.7		e.			3		2		e.	0	0	mod.	wsw.	clear.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.85	758.1	77.0	25.0	76	wnw.			4		2			0	0	2		blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, N. 57° 20′, W. 135° 20′†	29.68	753.9	33	0.6	89	calm			0		0							clear.
U. S. Naval Hospital, Yokohama, Japan	30.37	771.4	56	13.3	75	ssw.			2		10		w.	0	0			hazy.
U. S. S. Alert, Shanghai, China	30.16	766.1	61	16.1	62	e.			1		2							clear.
U. S. S. Essex, N. 9° 58′, E. 165° 22′	29.90	759.4	80	20.7	91	ene.			3		5		ene.			sm'h	ene.	fair.
U. S. S. Juniata, Fernande Island, Corea	30.13	765.3	41	5.0	100	calm			0		10			0	0			foggy.
U. S. S. Monocacy, Canton, China	29.97	761.2	69	20.6	90	ese.			2		10		calm	light	light			cloudy
U. S. S. Richmond, N. 16° 34′, E. 113° 58′	29.98	761.5	81	27.2	83	se.			3		2		se.	0	0	sm'h		clear.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.11	764.8	61	16.1	82	sw.			1		0					1		blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 42′	30.09	764.3	59	15.0	93	ne.			4		10					1		misty.
H. P. M. S. Tamega, Macao, China	30.08?	763.9?	71.6	22.0	82	calm			0		10			1 h'r	1 h'r			foggy.
U. S. S. Palos, Shanghai, China	30.14	765.5	56	13.3	87	se.			1		0							clear.
S. S. Newbern, N. 24° 53′, W 112° 30′			64	17.8	89	nw.			3		0			0	0	light	wnw.	clear.
S. S. Arabic, Honolulu, Sandwich Ids*†	29.79	756.7	72	22.2	85	var.			2		10		sw.	rain	rain	sm'h		showery.
S. S. City of Chester, Hookton, Cal †	29.90	759.4	51	10.6	86	se.			4		10			h'vy	h'vy			
S. S. Willamette, N. 42° 56′, W. 124° 46′†	29.81	757.2	51	10.6	93	ssw.			6		5		ssw.	0.04	1.0	mod.	sw.	raining.
S. S. Orizaba, N. 36° 45′, W. 122° 14′†	30.08	764.0	59	15.0	54	ssw.			3		8		sw.	1 h'r	1 h'r	r'gh	sw.	cloudy.
S. S. State of California, N. 43° 05′, W. 124° 40′ †	29.77	756.1	48	8.9		sse.			5		0		sse.	0	0	short	s.	cloudy.
S. S. City of Pekin, N. 36° 53′ W. 145° 50′†	30.54	775.7	60	15.6	65	se.			2		2		s.	0	0	light	e.	clear.
S. S. City of Rio de Janeiro, N 30° 34′, W. 176° 55′†	29.96	761.0	58	14.4		n.			5		2		n.			mod.	nnw.	clear.
S. S. City of Sydney, N. 8° 15′, W. 163° 32′ *†	29.82	757.4	77	25.0	91	e.			2		8?		e.			light	ene.	clear.?
S. S. Colima, N. 15° 44′, W. 97° 30′†	29.95	760.7	76	24.4	77	ene.			2		2		calm	0	0	small	wnw.	fair.
S. S. Granada, N. 18° 00′, W. 102° 45′†	29.91	759.7	74	23.3	68	calm			0		0			0	0	light	w.	clear.
S. S. San Blas, Panama, Panama†	29.91	759.7	73	22.8	100	n.			2		5		s.	0	0			fair.
S. S. Benalder, N. 16° 15′, E. 111° 15′	29.97	761.2	81	27.2	91	se.			4		4		se.	0	0			fair.
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 18° 05′, E. 70° 09′	29.99	761.7	69	20.6	85	se.			2		2		se.			sm'h		clear.
U. S. S. Lackawanna, Callao, Peru	29.90	759.4	72	22.2	90	sse.			1		5		se.					fair.
U. S. S. Onward, Callao, Peru*†	30.02	762.5	71	21.7	95	se.			3		5		se.			long	w.	fair.
U. S. S. Pinta, Valparaiso, Chili	29.98	761.5	57	13.9	87	e.			1		5		calm					fair.
U. S. S. Wachusetts, Valparaiso, Chili	29.99	761.7	57	13.9	94	se.			1		2					long	nw.	fair.
H. M. S. Nelson, Sydney, N.S.W	30.27	768.8	66	18.9	95	calm			0		6							d clouds.
H. M. S. Sappho, S. 29° 55′, W. 71° 20′	29.92	760.0	55	12.8	100	calm			0		9							misty.
S. S. Australia, S. 33° 51′, E. 151° 18′*	30.19	766.8	70	21.1	70	ne.			2		4			0	0			clear.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, Colombo, Ceylon, India	29.90	759.4	86	30.0	88	sw.			3		5					sm'h		fair.
H. M. S. Euryalus, Massuah, Abyssinia	29.75	755.6	85	29.4	83	ne.			1		0							blue sky.
H. M. S. Magpie, S 11° 04′, E. 78° 52′	29.91	759.7	81.4	27.4	80	ene.			3		6	nw.				4	ese.	d. clouds.
H. M. S. Myrmidon, Suakin, Egypt	29.82	757.4	80	26.7	93	ene.			3		0							blue sky.
S. S. Bracadaile, N. 17° 39′, E. 40° 10′			85	29.4		se.			5		0			0	0	light	se	clear.
Bk. Childwall, off Kingston, N.S.W*	29.90	759.4	69	20.6	61	w.			7				w.	0	0			fine.
S. J. W. Gildemeister, S. 19° 05′, E 76° 27′	29.98	761.5	80.6	27	76	ene.			3		8		ene.	0	0	3	ese.	overcast.
Bk. Nouva Margherita, S. 12° 08′, E. 103° 57′*†	29.71	754.6				wnw.			1				var.	0	0	r'gh	sw.	fair.
S. Orealia, N. 15° 31′, E. 84° 27′*	29.85	758.2				s.			5		5		s.	0	0	mod.	s.	fair.
S. S. Lepanto, N. 12° 27′ E. 44° 06′	29.78	756.4	84	28.9		ene.			6		4		e.	0	0	r'gh	e.	hazy.

International Chart I. April 11, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.
Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 12, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.84	757.8	63.3	17.4	78	se.	.....	.....	1	.....	10	.....	.....	0.039	1.0	covered	Roziere.
Algiers	.....	.....	29.88	758 9	66.6	19.2	61	ne.	.....	.....	3	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.92	760.0	64.8	18.2	82	ese.	.....	.....	3	.....	3	.....	.....	0	0	pretty fair	Fonfrède.
Tunis	.....	.....	29.89	759.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.98	761.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.00	761.9	81.0	27.2	.....	ne.	.....	.....	5	.....	3	.....	.....	0	0	.....	Abraham.
Biskra	.....	.....	30.01	762.2	77.4	25.2	55	calm	.....	.....	0	.....	2	.....	.....	0	0	.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.04	763.0	71.5	21.9	39	nw.	10	4.5	.....	9 os	.....	.....	.....	0	0	cloudy	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.09	764.3	30.28	766.1	59	15.0	89	se.	5	2.2	.....	.....	1	.....	sw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.07	763.8	30.16	766.0	63.9	17.7	77	e	7	3.1	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.32	744.8	29.87	758.6	58.5	14.7	53	ne.	.....	.....	3	.....	8	.....	.....	0.008	0.2	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.08	738.7	29.84	758.0	57.6	14.2	49	e.	9.8	4.4	.....	.....	7	.....	...	0	0	.....	Dr. Wierzbiski
Eperies	28.95	735.4	29.83	757.6	54.5	12.5	67	n.	.....	.....	3	.....	10 ks	.....	s.	0.181	4.6	.....	Julius Mikolik.
Gratz	28.67	728 2	29.91	759.6	59.5	15.3	37	nw.	.....	.....	4	.....	3	.....	.....	0.173	4.4	.....	Andreas Rospini.
Hermannstadt	28.30	718.8	29.71	754.7	55.9	13.3	70	sw.	.....	.....	3	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.70	729.0	30.08	764.0	41.2	5.1	89	nw.	.....	.....	2	.....	10	.....	.....	0.146	3.7	cloudy	The Staff.
Lemberg	28.86	733.1	29.84	758.0	54.1	12.3	64	e.	.....	.....	1	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.80	756.8	29.91	759.6	57.6	14.2	75	wnw.	.....	.....	4	.....	3	.....	.....	0.236	6.0	.....	I. R. Hydrographic Office.
Szathmar	29.24	742.7	.....	.....	60.4	15.8	59	n.	.....	.....	2	.....	3	.....	.....	0.008	0.2	.....	Joseph Midlinesky, S. J
Szegedin	29.49	749.1	29.77	756.1	56.8	13.8	77	w.	.....	.....	2	.....	8	.....	.....	0.071	1.8	.....	Karl Stancel.
Trieste	29.84	757 9	29.94	760.4	57.2	14.0	64	sw.	.....	.....	1	.....	2	.....	.....	0.110	2.8	.....	Royal Academy.
Vienna	29.23	742.4	29.95	760.7	48.4	9.1	72	w.	.....	.....	4	.....	7	.....	.....	0.016	0.4	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	50.9	10.5	63	e.	.....	.....	2	.....	2	.....	.....	0.004	0.1	.....	.....
Brussels	29.84	758.0	30.05	763.2	50.0	10.0	60	sw.	.....	.....	1	5	4	.....	wsw.	0	0	.....	.....
Furnes	30.03	762.8	30.05	763.3	46.9	8.3	75	wsw.	.....	.....	1	.....	10	.....	.....	0	0	.....	.....
Maeseyck	29.96	761.0	30.09	764.2	50.7	10.4	66	w.	.....	.....	1	.....	10	.....	.....	0	0	foggy	.....
BRITISH.																			
Aberdeen	30.00	762.0	30.10	764.5	45.1	7.3	70	n.	20	8.9	.....	.....	7	.....	.....	0.040	1.0	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.07	763.8	49.3	9.6	60	nw.	8	3.6	.....	.....	5	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	29.51	749.5	30.03	762.7	46.7	8.2	59	nne.	3	1.3	.....	.....	5	.....	.....	.....	.....	d clouds	Thomas Mackereth.
Bradford, Yorkshire	29.64	752.8	30.04	763 0	48.4	9.1	59	ne.	.....	.....	3	.....	6	.....	.....	0.07	1.8	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.07	763.8	30.10	764.5	82.6	28.1	74	ne.	.....	.....	3	.....	4?	.....	.....	.....	.....	overcast?	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E.	29.85	758.2	30.02	762.5	49.5	9.7	77	e.	.....	.....	1	.....	9	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.81	757.2	30.04	763.0	50.0	10.0	77	e.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.81	706.4	30.12	765.0	55.2	12.9	95	se.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	29.63	752.6	29.86	758.4	82.0	27.8	87	s	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	30.01	762.2	30.04	763.0	53	11.7	67	e.	.....	.....	2	.....	0	.....	.....	0	0	blue sky	Wm. Ryan.
Gibraltar, Mediterranean	29.58?	751.3?	29.68?	753.9?	60.4	15.8	94	nw.	.....	.....	3	.....	10	.....	.....	.....	.....	raining	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.85	758.2	30.02	762.5	52.3	11.3	63	e.	.....	.....	1	.....	5	.....	.....	.....	.....	misty	The Staff.
Guernsey	29.72	754.9	30.02	762.5	53.5	11.9	70	ne.	.....	.....	1	7 c	.....	.....	wnw.	0	0	d. clouds	A. Collenette, F.R.M.S.
Kew, Observatory	29.99	761.7	30.03	762.7	47.2	8.4	64	ne.	5	2.2	.....	.....	.....	.....	.....	.....	.....	misty	The Staff.
Leicester, Museum	29.79	756.7	30.05	763.3	41.7	5.4	91	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.81	757 2	29.89	759.2	62.4	16.9	74	sw.	.....	.....	4	.....	3	.....	.....	0	0	blue sky	Capt. H. Keene, A. H. C.
Nassau, Bahamas	30.10	764.5	30.15	765.8	76.2	24.6	59	se.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.80	756.9	30.03	762.7	50.0	10.0	58	nne.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.94	760.5	30.02	762.5	53.0	11.7	64	ese.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	30.09	764.3	30.19	766.8	44.9	7.2	78	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	blue sky	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.65	753.1	29.71	754.6	64.8	18.2	32	ne.	.....	.....	2	.....	1	.....	.....	blank	blank	blue sky	W. H. Lyne.
Sheffield	29.78	756.4	30.06	763.5	50.9	10.5	59	ne.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	30.06	763.5	30.09	764.3	49.7	9.8	80	n.	.....	.....	2	.....	7	.....	.....	0.010	0.3	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.08	764.0	47.9	8.8	53	n.	8	3.6	.....	.....	7	.....	.....	0.008	0.2	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	53.0	11.7	73	n.	.....	.....	0.5	.....	10	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	30.03	762.7	30.06	763.5	50.5	10.3	82	e.	16	7.2	.....	.....	10	.....	.....	blank	blank	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.59	751.6	29.98	761.5	63.3	17.4	70	w.	9.0	4.0	.....	0	0	.....	.....	0	0	clear	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.85	758.2	29.96	761.0	66.4	19.1	94	ne.	7	3.1	.....	.....	5 k	.....	.....	1.385	35.2	d. clouds	The Staff.
CANADIAN.																			
Bathurst, N. B	29.84?	757.9?	29.84?	757.9?	28	— 2.2	.....	calm	0	0	.....	0	1 n	.....	.....	0	0	blue sky	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.85	758.2	29.89	759.2	25	— 3.9	63	w.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	H. J. Cundall, C. E.
Chatham, N. B*	29.87	758.7	29.93	760.2	22	— 5.6	96	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	G. A. Blair.
Cornwall, Ontario	29.82	757 4	30.02	762.5	36.3	2.4	85	w.	.....	.....	1	.....	10 s	.....	.....	inap.	inap.	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	29.85	758.2	29.90	759.4	28.5	— 1.9	.....	e.	.....	.....	1	0	0	.....	.....	0	0	.....	H. A. Johnson.
Father Point, Quebec*	29.86	758.4	29.88	758.9	26	— 3.3	84	calm	0	0	.....	0	2 k	.....	calm	0	0	clear	J. McWilliams
Fort Garry, Manitoba*	29.18	741.2	30.06	763.5	21	— 0.1	87	se.	3	1.3	.....	8 cs	2 n	s.	.....	0	0	fair	James Stewart.
Fredericton, N. B	29.88	758 9	29.95	760.7	31.1	— 0.5	79	w.	1	0.4	.....	0?	0?	.....	.....	0	0	fair	Dr. Thos. Harrison.
Grand Manan, N. B	29.90	759 4	29.95	760.7	39	3.9	65	n.	8	3.6	.....	hz.	0	.....	.....	0	0	clear	J. Chipman Seeley
Granton, Ontario	29.04	737.6	30.19	766.8	33.0	0.6	100	calm	0	0	.....	8 cs	0	W.	.....	0	0	d. clouds	Jas. Grant.
Halifax, N. S*	29.82	757.4	29.76	755.9	28	— 2.2	77	s.	1	0.4	.....	8 k	0	nw.	.....	0.068	1.7	cloudy	A. Allison.
Hamilton, Ontario	29.70	754.4	30.12	765.0	40.0	4.4	85	w	.....	.....	1	9 os	0	sw.	.....	0	0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.76	755.9	30.11	764.8	35	1.7	79	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A
Little Grace Bay, N. S	29.70	754 4	29.74	755.4	32.8	0.4	90	nw.	.....	.....	2	0	0	.....	.....	0	0	blue sky	C. H. Rigby.
London, Ontario	29 24	742.7	30.17	766 3	34.3	1.3	93	calm	.....	.....	0	.....	0	.....	.....	0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T	27 18	690.4	29.45	748 0	40	4.4	92	s.	10	4.5	.....	0	0	.....	.....	0	0	blue sky	John Ewart.
Minnedosa, N. W. T	27.94	709.7	29.95	760.7	25	— 3.9	92	e.	13	5.8	.....	.....	10 s	.....	sw.	0	0	cloudy	Rev. J. M. Wellwood.
Montreal, Quebec*	29.82	757.4	30.03	762.7	35	1.7	82	sw	14	6.3	.....	0	8 ks	.....	.....	0	0	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.82	757.4	30.05	763.3	30.4	2.4	74	w.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.30	740.5	30.11	764.8	31	— 0.6	88	sw.	5	2.2	.....	10 k	0	W.	.....	0	0	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.35	745.5	30.12	765.0	32.7	0.4	77	w.	.....	.....	2	.....	10 k	.....	.....	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.44	747.8	30.16	766.1	36	2.2	79	ne	2	0.9	.....	8 k cs	0	n.	.....	0	0	cloudy	W. P. Cooke.
Port Dover, Ontario	29.45	748.0	30.17	766.3	35	1.7	87	sw.	4	1.8	.....	10 k	0	sw.	.....	0	0	cloudy	h Morgan.
Port Stanley, Ontario	29.47	748 5	30.14	765.5	36	2.2	89	w.	3	1.3	.....	0	5 k?	.....	sw.	0	0	cloudy	M. Payne.
Qu Appelle, N. W. T	27.36	694.9	29.64	752.8	35	1.7	.....	s.	20	8.9	.....	.....	10 s	.....	s.	0	0	cloudy	Leslie Gordon.
Quebec, Quebec*	29.60	751 8	29.99	761 0	33	0.6	95	sw.	8	3.6	.....	5 c	0	sw.	.....	0	0	fair	Capt. A. Ahe, R. N.
Rockliffe, Ontario*	29.55	750.6	30 02	762.5	30	— 1.1	78	calm	0	0	.....	8 ck	0	W.	.....	0	0	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.89	759.2	29.91	760.5	35	1.7	85	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear	.....
St. John, N. B	29.79	756.7	29.91	760.5	31.1	— 0.9	95	ne.	4	1.8	.....	0	0	.....	.....	0	0	blue sky	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.72	755.0	35.6	2.0	.....	n.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.40	746.7	30.14	765.5	33	0.6	96	calm	0	0	.....	0	0	.....	.....	0	0	clear	.....
Stratford, Ontario	28.74	730.0	30.07	763.8	34.0	1.1	80	w.	2	0.9	.....	8 k	0	W.	.....	.....	.....	d. clouds	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper 0–10	Lower 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill	Weather.	OBSERVERS
CANADIAN.—Continued.																			
Sydney, C. B*	29.75	755.6	29.81	757.2	28	— 2.2	77	w.	10	4.5		0	0			0	0	clear	T.C.Hill, C.E.
Toronto, Ontario*	29 78	756.4	30.18	766.6	33	c.6	88	sw.	5	2.2			10 ks		w.	c	0	cloudy	Magnetic Observatory.
Woodstock, Ontario	29.09	738.9	30.20	767.1	34.0	1.1	73	e.	7.5	3.4			10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.89	759.2	29.96	761.0	38	3.3	89	nw.	8	3.6		0	0			0.04	1.0	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.27	768.8	30.30	769.6	63.5	17.5	78	sw.				0	0			0.020	0.5	fine	I. Garfelt.
Cape Town, The Castle	30.23	767.8			61.5	16.4	52	nw.				5 ck	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.91	708.9			69	20.6	44									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					56.3	13.5	85	w.			2		2 sk		w.	0	0	clear	Leon Herrera.
Valparaiso	29.85	758.3	30.00	761.9	60.6	15.9	88	n.			1	0?	0?			0	0	cloudy?	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.15	765.8	30.17	766 4	52.7	11.5	93	ne.	4.5	2.0			10			0	0	covered	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.95	760 7	30.00	761.9	45.9	7.7	82	sw.	11	5			9						Oversergent Fischer.
Fanöe	29.97	761.2	29.99	761.7	46.2	7.9	72	wsw.			2		5						Overloerer Lauridsen.
Godthaab, Greenland	29.43	747.5	29.47	748.6	35.8	2.1	78	s.			2–4		10						S. Kleinschmidt.
Ivigtut, Greenland	29.46	748.3	29.48	748.8	36.3	2.4		calm			0		10					rain & snow	
Stykkisholm, Iceland	30.21	767.2	30.25	768.3	48.2	9.0	67	s.			2		0						A. O. Thorlacius.
Thorshavn	30.30	769.7	30.33	770.3	43.3	6.3	74	n.	13	6			7						Overloerer Bergh.
Upernavik, Greenland	29.71	754.6	29.76	755 8	— 3.3	—19.6		n.			4		10					snowing	
Vestervig	29.87	758.8	29.97	761.1	44.6	7.0	67	wsw.			4		3						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.78	756.4			86.9	30.5		sw.	7.4	3.3						0	0		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School																			M. Laroque, Director.
Alençon, Normal School	29.48	748.8	30.03	762.8	50.4	10.2	76	se.			1		2 ns		nw.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.80	756.8	30.04	763.0	49.1	9.5	72	nw.			1		10	e.	e.	0	0	covered	M. Ungerer, Director.
Avignon, Normal School	29.92	760.0	30.00	762.0	64.4	18.	30	nnw.			1		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.43	747.5	29.98	761 6	57.4	14.1	47	se.			1		2		e.	0	0	slightly cl'dy	M. Saillard, Director.
Beauvais, Normal School	29.77	756.2	30.04	763.0	51.4	10.8	44	e.			1		5			0	0	cloudy	M. Frere Eugène Marie.
Besançon, Normal School	29.03	737 4	29.92	759.9	50.0	10	89	ese.			1					0	0		M. Gobin, Director.
Bordeaux, Observatory	29.57	751.0	29.83	757.6	61.3	16.3	45	e.			1		2 c			0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.40	746 7	29.95	760.7	56.5	13.6	52	e.			2		2		e.	0	0	slightly cl'dy	M. Sauvageot, Director.
Brest, Naval Observatory	29.78	756.4	30.02	762.6	60.4	15.8	56	e.			1		4		e.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.90	759.4	29.97	761.1	59.9	15.5	87	sw.			1		5		sw.	0	0	cloudy	M. Herson, Director.
Châlons-sur-Marne, N.Sch'l	29.67	753.6	29.99	761.8	50.4	10.2	76	ne.			1		2			0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.47	748.0	30.03	762.8	57.2	14.0	89	w.			1		5			0	0	½ cloudy	M. Noël, Director.
Clermont-Ferrand Obs'y	28.56	726.0	29.93	760.1	57.2	14.0	40	e.			1	5 c				0	0		M. Alluard, Director.
Cluny, Normal School	29.13	740 0	29.99	761.7	54.0	12.2	48	ne.			1		0			0	0		M. de Villemontés, Dir.
Commercy, Normal School	29.21	741.8	30.04	763.1	50.9	10.5	62	e.			1		k	e.	e	0	0		Dr. Goulet, Director.
Gap, Normal School	27.43	696 7	29.89	759.2	59.9	15.5	19	sw.			1		3 k			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.80	733 0	29.98	761 4	63.5	17.5	34	s.			4		1		sw.	0	0		M. Kina, Director.
Grenoble, Normal School	29.16	740.7	29.92	760.0	57.9	14.4	35	e.			1		s			0	0		M. Ablard, Director.
Guéret, Normal School	28.31	719.1	29.90	759.4	57.2	14.	44	se.			1		kn		e.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.67	753 6	29.95	760 6	55.8	13.2	47	ne.			4		5 kn		ne.	0	0	cloudy	M. Polipre, Dir.
Lescar, Normal School	29.21	741.8	29.72	755.0	79.0	26.1	19	ne.			1		0			0	0	clear	M. Ohauvin, Director.
Lorient, Naval Observatory	29.86	758.5	29.97	761.1	59.0	15.0	66	e.			2		2			0	0	¼ covered	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28.93	734.7	29.98	761.6	53.8	12.1	40	se.			1	5 c				0	0	cloudy	M. Audié, Director.
Mans, Normal School	29.72	754.9	30.03	762.7	53.1	11.7	57	e.			4		5 s		e.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.72	754.8	29.98	761.6	63.9	17.7	53	s.			4		0			0	0		M. Stephan, Director.
Montlouis	24.72	627.9	29.56	750.9	52.2	11.2	37	e.	5.6	2.5			5	w.		0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.84	758.0	29.95	760.8	62.2	16.8	63	s.			2		0			0	0	clear	M. Gaizin, Director.
Nancy, Normal School	29.16	740.7	29.95	760.7	50.4	10.2	81				1		k			0.169	4.3		M. Hasse, Director.
Nantes, Observatory	29.82	757.4	29.98	761.5	55.9	13.3	46	ne.			4	1 c				0	0		M. Larocque, Director.
Perpignan, Observatory	29.86	758 5	29.98	761.4	56.5	13.6	45	e.	1.8	0.8			2	w.		0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.14	537.0			37.9	3.3		calm			0		1		sw.	0	0	clear	M. Vaussenat, Director.
Privas, Normal School	28.93	734.8	29.99	761.8	56.8	13 8	40	s			4		5		w.	0	0	cloudy	M. Tallieu.
Puy de Dôme Obs'y, Summit	25.04	636.0			36.9	2.7	62	sse.			3	5 c				0.004	0.1		M. Alluard.
Rochefort, Naval Obs'y	29.86	758.4	29.89	759.2	62.2	16.8	33	ene.			4		2		ene.	0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.70	754.3	29.91	759.7	58.1	14.5	47	ene.			2			ene.		0	0		M. Brotlier, Director.
Rodez, Normal School	27.96	705.0	29.92	760.0	63.1	17.3	33	nw.			2		1		se.	0	0	clear	M. Seger, Director.
Rouen, Normal School	29.98	761.6	30.03	762.8	56.5	13.6	61	s.			1		2		s.	0	0	foggy	M. Mouillot, Dir.
Saint Maur, Observatory	29.86	758.4	30.02	762.6	56.1	13.4	40	sw.			1				ese.	0	0		M. Renou, Director.
Toulouse, Observatory	29.17	741 0	29.89	759.3	64.9	18.3	28	sse.			6		0			0	0	clear	M. Baillaud, Director.
Tours	29.78	756.5	29.97	761.1	58.3	14.6	47	e.			1		1	sw.		0	0	clear	M. de Tastes.
Versailles, Observatory	29.53	750.1	30.02	762.6	55.4	13.0	45	se.			1		0			0	0	clear	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.63	752.6	29.78	756 4	70.9	21 6	83	ne.	7.8	3.5		1 ck			se.	0	0		M. Garlier, Director.
GERMAN.																			
Ansbach	28.59	726.1	30.04	762.9	54.3	12.4	45	ne.			2		2		ne.	0.012	0.3		Prof. Jnedt.
Bamberg	29.16	740.7	30.00	762.1	54.1	12.3	55	nw.			2		5 k		w.	0	0		Prof. Dr. Hoh.
Berlin	29.85	758.1	29.99	761.7	53.6	12.0	54	w.			1		10			0	0		Meteorological Institute
Breslau	29.49	749.0	30.02	762.5	49.5	9.7	84	nnw.			3		10			0.024	0.6		Royal University Obs'y
Carlsruhe	29.58	751.4	30.06	763.4	54.0	12.2	55	e.			1		5		ne.	0	0		Albert Senz.
Cassel	29.33	744.9	30.04	763.0	49.3	9.0	59	n.			2		7		n.	0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.66	753.4	30.02	762.6	55.0	12.8	51	sse.			1		6			0	0		Physical Society.
Friedrichshafen	28.60	726.4	30.02	762.6	50.7	10.4	71	ne.			4		6		ne.	0	0		Wilhelm, Chief Tel.
Hamburg	29.96	761 0	30.05	763.3	46.9	8.3	75	wsw.			2		9			0.055	1.4		E. Preller.
Kiel	30.00	761.9	30.01	762.3	46.2	7.9	75	calm			0		10			0.051	1.3		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.62	752.4	30.04	763.1	52.9	11.6	57	ssw.			1		7	sw.		0	0		H. Leppig, Asst.
Magdeburg	29.84	758.0	30.04	762 9	51.6	10.9	59	wnw.			2		10			0	0		Weather Observatory.
Memel	29.96	761.0	30.01	762.2	42.1	5.6	85	nw.			4		8 k						Issermann.
Munich	28.23	717.1	30.10	764.5	46.6	8.1	72	calm			0		10		w.	0.441	11.2		Central Station.
Neufahrwasser	29.96	761.0	29.99	761.7	46.6	8.1	64	e.			1		10			0	0		A. Lothes.
Neustadt, Palatinate	29.14?	740.1?	29.66?	753.3?	55.9	13.3	54	calm			0		5		se.	0	0		Prof. Dicknether.
Stuttgart	29.08	738.5	29 97	761.3	52.3	11.3	60	ne.			1		8		s.	0	0		Dr. L. Meyer.
Wustrow	29.99	761.8	30.02	762.4	45.9	7.7	75	ene.			1		10 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.38	746.2	29.75	755-7	71.4	21.9		s.			1.0	0				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.81	757.1	29.86	758.3	85.0	29.4	30	wsw.	26.0	11.6			0			0	0	misty	
Deesa	29.33	744.9	29.79	756.6	94.0	34.4	21	sw.	10.0	4.5			0			0	0	blue sky	
Bombay	29.83	757.6	29.87	758.6	82.1	27.8	72	nw.	18.0	8.0			0			0	0	blue sky	
Poona, Yarrowda	28 00	711.1	29 80	756.8	94.4	34.7	9	nw	25.0	11.2			0			0	0	blue sky	
Trichinopoly	29.59	751.7	29.87	758.6	96.8	36.0	36	ene.	0.2	0.1			0			0	0	blue sky	
Bellary	28.30	718.8	29.72	754.8	99.0	37.2	17	e.	6.0	2.7			7			0	0	d. clouds	
Belgaum	27.29	693.2	29.78	756.4	86.1	30.1	43	wsw.	12.0	5.4			4	e.	n.	0	0	d. clouds	
Lahore	29.01	736.8	29.74	755.5	83.6	28 7	40	calm	0	0			0			0.20	5.1	blue sky	
Roorkee	28.88	733.6	29.76	755.8	93.6	34.2	14	w.	2.0	0.9			8	w.		0	0	misty	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather	Observers.
INDIAN.—Continued.																			
Agra	29.22	742.1	29.76	756.0	98.1	36.7	31	w.	4.0	1.8			0			0	0	blue sky	
Nagpur	28.72	729.5	29.72	754.9	100.3	37.9	17	w.	3.0	1.3			3		w.	0	0		
Jubbulpore	28.45	722.6	29.76	755.9	97.7	36.5	17	w.	6.0	2.7			4	w.		0	0	d. clouds	
Lucknow	29.40	746.7	29.76	755.9	98.0	36.7	16	wsw.	10.0	4.5			0			0	0	misty	
Allahabad	29.45	748.1	29.75	755.7	97.7	36.5	22	calm	0	0			0			0	0	blue sky	
Patna	29.56	750.8	29.74	755.3	99.7	37.6	26	wnw.	3.9	1.7			0			0	0	blue sky	
Hazaribagh	27.80	706.0	29.76	755.8	90.7	32.6	13	nnw.	6.0	2.7			0			0	0	blue sky	
Cuttack	29.70	754.5	29.78	756.5	89.1	31.7	56	wsw.	9.0	4.0			0			0	0	blue sky	
Calcutta, Alipore	29.76	755.8	29.78	756.3	89.5	31.9	65	sse.	12.0	5.4			2			0	0	d. clouds	
Chittagong	29.76	756.0	29.86	758.3	81.7	27.6	80	sw.	5.4	2.4			1			0	0	d. clouds	
Sibsagar	29.49	749.1	29.83	757.7	75.9	24.4	79	se.	2.0	0.9			0			0	0	blue sky	
Jeypore	28.37	720.5	29.78	756.3	91.7	33.2	21	wsw.	4.0	1.8			8	w.		0	0	d. clouds	
Zanzibar	29.87	758.7			83.5	28.6	73	se.	6.1	2.7			9		ese.			d. clouds	
ITALIAN.																			
Udine	29.51	749.5	29.91	759.8	63.1	17.3	48	sw	2.5	1.1			2			0.209	5.3		Prof. Giovanni Clodig.
Milan	29.46	748.2	29.97	761.2	59.4	15.2	32	nw.	4.9	2.2			0			0	0		Prof. G.V.Schiapparelli
Padua	29.84	757.8	29.94	760.5	59.7	15.4	50	sw.	9.4	4.2			1	sw.		0.039	1.0		Prof. Dott. Lorenzoni.
Moncalieri	29.05	737.9	29.95	760.6	60.8	16.0	34	sse.	1.3	0.6			0			0	0		Prof. F. F. Denza.
Genoa	29.75	755.6	29.94	760.5	64.8	18.2	26	nw.	4.9	2.2			0			0	0		Prof. G. M. Garibaldi.
Pesaro	29.93	760.3	29.98	761.5	55.4	13.0	75	n.	19.2	8.6			1			0.201	5.1		Prof. Luigi Guidi.
Florence	29.69	754.0	29.94	760.4	59.7	15.4	40	ne.			6		1			0	0		Prof. Costantino Pittei.
Leghorn	29.83	757.6	29.91	759.7	59.5	15.3	42	w.	4.9	2.2			0			0	0		Prof. P. Monte.
Rome	29.70	754.3	29.87	758.7	61.3	16.3	37	n.	15.4	6.9			1			0	0		Prof. P. Tacchini.
Lecce	29.56	750.8	29.81	757.1	59.4	15.2	55	nnw.	23.7	10.6			8	w.		0.055	1.4		Prof. C. de Giorgi.
Cosenza	28.97	735.8	29.85	758.2	59.0	15.0	76	wnw.	3.1	1.4			7	nw.		0	0		Prof. D. Conti.
Palermo	29.67	753.7	29.92	760.0	63.3	17.4	56	w.	18.6	8.3			5	w.		0	0		Prof. G. Cacciatore
Syracuse	29.77	756.1	29.81	757.2	70.9	21.6	65	w.	3.8	1.7			5	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.35	745.6			60.4	15.8	55	w.	10.5	4.7			2	sw.		0	0		Prof. F. [illegible]
Stelvio	22.07	560.6			32.4	0.2	69	w.			2		0			0	0	clear	Prof.P.F.Denza.
Valdobbia	22.12	561.7			30.9	2.7	43	e.			3		0			0	0	misty	Prof.P.F.Denza.
JAPANESE.																			
Akita	30.15	765.8	30.18	766.7	49.0	9.4	94	e.			2		10 n			0.390	9.9	raining	H. Hattori.
Awomori	30.08	764.0	30.12	765.6	44.5	6.9	92	calm	0	0			10 s;n		w.	0.060	1.5	overcast	K. Ogawa.
Hakodate	30.10	764.4	30.11	764.7	49.2	9.6	92	wsw.	5.4	2.4			10 s			0.086	2.2	covered	Y.Souma.
Hamamatsu	30.18	766.6	30.28	769.1	57.7	14.3	89	e.			2		10 s		sw.	0.575	14.6	overcast	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.21	767.3	30.23	767.8	56.6	13.7	94	s.	0.1	0.04			10 s		w.	0.055	1.4	cloudy	Y. Okamoto.
Kagoshima	30.16	766.2	30.18	766.5	62.0	16.7	94	e.			2		10 s			0.678	17.2	overcast	
Kanazawa	30.07	763.9	30.18	766.5	56.2	13.4	72	e.	3.0	1.3			10 s;ks			0.012	0.3	overcast	S. Endo.
Kioto	30.05	763.2	30.22	767.6	56.5	13.6	96	calm	0	0			10 s;ck			0.857	21.8	cloudy	M. Tojima.
Kochi	30.21	767.2	30.23	767.7	59.5	15.3	98	e.	2.0	0.9			10 n			1.270	32.3	raining	K. Kusunose
Miasaka	30.17	766.3	30.20	767.0	62.2	16.8	96	sse.			1		10 n		s.	0.283	7.2	raining	K. Masusaki&T.Ishuain.
Miyako	30.08	764.0	30.19	765.8	52.0	11.1	80	s.	1.0	0.4		1 ck	9 s	sw.	sw.	0	0	cloudy	N.Honno & K.Suwa.
Nagasaki, I. M. Obs'y	29.96	761.0	30.16	766.0	60.9	16.1	95	calm	0	0			10 s			0	0	misty	
Nemuro	30.06	763.5	30.11	764.8	37.1	2.8	95	ssw.	3.0	1.3			10 s			0	0	foggy	A. Shibuya.
Niigata	30.16	766.0	30.19	766.8	52.5	11.4	94	se.	3.7	1.6			10 n		sw.	0.520	13.2	light rain	Satoo & Tomikawa.
Nobiru	30.19	766.8	30.20	767.2	50.2	10.1	96	se.	1.7	0.7			10 ns			0.120	3.0	covered	Yoslino & Midzushina.
Numadzu	30.25	768.3	30.28	769.2	55.9	13.3	94	wnw.			1		10 n;ks			0.020	0.5	light rain	T.Ohgi.
Osaka	30.20	767.1	30.22	767.5	56.6	13.7	96	ene.	6.8	3.0			10 n			0.545	13.8	light rain	H. Omura.
Saga	30.12	765.1	30.14	765.7	62.9	17.2	92	calm	0	0			10 s			0	0	overcast	A.Matsuhayashi.
Sakai	30.16	766.0	30.17	766.2	59.5	15.3	85	n.			2		10 ks		wsw.	0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	30.00	761.9	30.06	763.6	40.1	4.5	91	se.	17.5	7.8		0	0			0	0	clear	S. Kimura.
Shimonoseki	30.03	762.9	30.18	766.6	56.2	13.4	98	e.			1		10 s			0	0	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	30.19	766.7	30.26	768.6	57.3	14.1	85	sw.	12.1	5.4			10ck;ks		sw.	0	0	cloudy	The Staff.
Wakayama	30.16	766.0	30.21	767.3	59.6	15.4	90	s.	3.0	1.3			10 n;s		s.	0.556	14.1	cloudy	K.Sakai.
MAURITIUS.																			
Mauritius R. A.Observatory	29.73	755.1	29.92	760.0	78.1	25.6	68	e.	16.5	7.4		8cs	2 k			0	0	overcast	The Staff.
MEXICAN.																			
Leon	24.31	617.5	29.99	761.7	57.2	14.0	62	calm	0	0		5 ck	0			0	0	fair	M. Leal & M.Pina
Mazatlan	29.66	753.4	29.92	760.0	63.0	17.2	86	w.	0.9	0.4		1 cs	0			inap.	inap.	hazy	L. I.Gutierrez.
NETHERLANDS.																			
Flushing	30.08	764.0	30.08	764.0	47.1	8.4		ssw.			2					0	0		
Groningen	29.97	761.3	30.03	762.7	46.4	8.0		wnw.			1					0	0		
Helder	30.03	762.7	30.03	762.7	44.6	7.0		w.			2					0	0		
Hellevoetsluis	30.06	763.5	30.06	763.5	46.6	8.1	69	w.			3					0	0	very cloudy	H. van der Brink.
Utrecht	30.01	762.3	30.06	763.5	51.3	10.7	69	wsw.			2		7			0	0		
Sub-series.																			
Batavia, Java	29.87	758.6			81.3	27.4	81	n.	0	0			3			0	0		Lt.J.J. Roptman,R.D.N
NORWEGIAN.																			
Bergen	29.90	759.5	29.97	761.1	52.2	11.2	41	n	2	1			6			0	0		
Brono	30.05	763.2	30.09	764.2	39.2	4.0	70	w.			6		10			0	0		
Christiania	29.89	759.2	30.04	763.0	41.9	5.5	82	e.	4	2			10			0.118	3.0		
Gjæsvær	29.76	756.0	29.79	756.6	28.6	−1.9		ne.			2		10			0.173	4.4	snowing	
PORTUGUESE.																			
Funchal, Madeira	29.85	758.2	29.94	760.4	60.8	16.0	50	wnw.	4.9	2.2			10			0.039	1.0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.41	747.0	29.74	755.4	59.0	15.0	66	ssw.	13.0	5.8			3			0.142	3.6		The Staff.
Ponta Delgada, Azores	30.02	762.6	30.10	764.4	59.0	15.0	78	nw.	6.9	3.1			3			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	30.04	762.9	30.07	763.8	70.7	21.5	65	ne.			4		6			0	0		
San Salvador, Congo																			
Serra da Estrella	25.02	635.4	29.78	756.3	41.0	5.0	100	sse.	23.0	10.3			10			0.535	13.6	rain & fog	
RUSSIAN.																			
Akmolinsk	28.99	736.3	30.12	765.1	28.6	−1.9	100	wsw.	16	7			10 n			0.004	0.1		Major K. Lasarew.
Archangel	29.72	754.9	29.74	755.4	35.8	2.1	69	w.	4	2		0	6 ks			0	0		Capt. Sseliwerstow.
Ashurada	30.16	766.1	30.07	763.7	59.5	15.3	79	nw.	4	2			9 k			0	0		
Astrakhan	30.14	765.6	30.07	763.8	59.0	15.0	33	sse.	25	11		0	0			0	0		Capt. Wisganow.
Baku	30.05	763.2	30.00	762.0	58.5	14.7	73	ssw.	4	2		3 cs	0						
Barnaul	29.76	756.0	30.30	769.7	18.3	−7.0	72	sw.	13	6			10			0.075	1.9	light clouds	Meteorological Office.
Bieloserk	29.35	745.4	29.81	757.2	50.7	10.4	33	calm	0	0			9 ks			0.035	0.9		
Dorpat	29.64	752.9	29.89	759.2	40.8	4.9	81	wnw.	7	3			10 ks			0.035	0.9		Rosenthal.
Ekaterinburg	29.04	737.5	30.03	762.8	32.4	0.2	65	w.	9	4			10			0	0		Meteorological Obs'y.
Elissawetgrad	29.45	748.0	29.89	759.3	58.1	14.5	42	ssw.	4	2		0	7 ks			0	0		
Kasalinsk	30.10	764.5	30.28	769.0	53.1	11.7	42	s.	7	3									Butkewitsch.
Kasan	29.72	755.0	30.00	762.0	48.7	9.3	67	sw.	4	2		0	0			0	0		Observatory.
Kem	29.75	755.7	29.80	757.0	38.5	3.6	43	calm	0	0			9 ks			0	0	h'vy clouds	
Kertch	29.82	757.4	29.84	758.0	46.4	8.0	92	n.	4	2			10 n			0.091	2.3		Lagerlo & Sustyres.
Kieff	29.22	742.2	29.86	758.4	48.2	9.0	71	nne.	18	8		0	6 ks			0	0		Observatory
Koslov	29.39	746.6	29.91	759.8	35.8	2.1	94	sse.	9	4			10 s			0	0		
Lgov	29.34	745.2	29.94	760.4	41.4	5.2	92	calm	0	0			10			0.035	0.9		R. I. Ssaweljew, En'clu'r.
Libau	29.96	760.9	29.98	761.5	41.0	5.0	84	wnw.	9	4			0			0	0		E. Quass.
Lugan	29.70	754.3	29.90	759.4	57.4	14.1	59	e.	13	6			10			0	0		Meteorological Obs'y.
Moscow	29.43	747.4	29.91	759.7	43.3	6.3	60	calm	0	0		0	5 ks			0	0		Meteorological Obs'y.
Nertschinsk	27.54	699.4	29.82	757.4	44.6	7.0	44	nw.	16	7			10			0	0		
Nikolaiev	29.81	757.2	29.88	759.0	57.2	14.0	77	calm	0	0		0	6 k			0	0		Capt. Kurdakow.

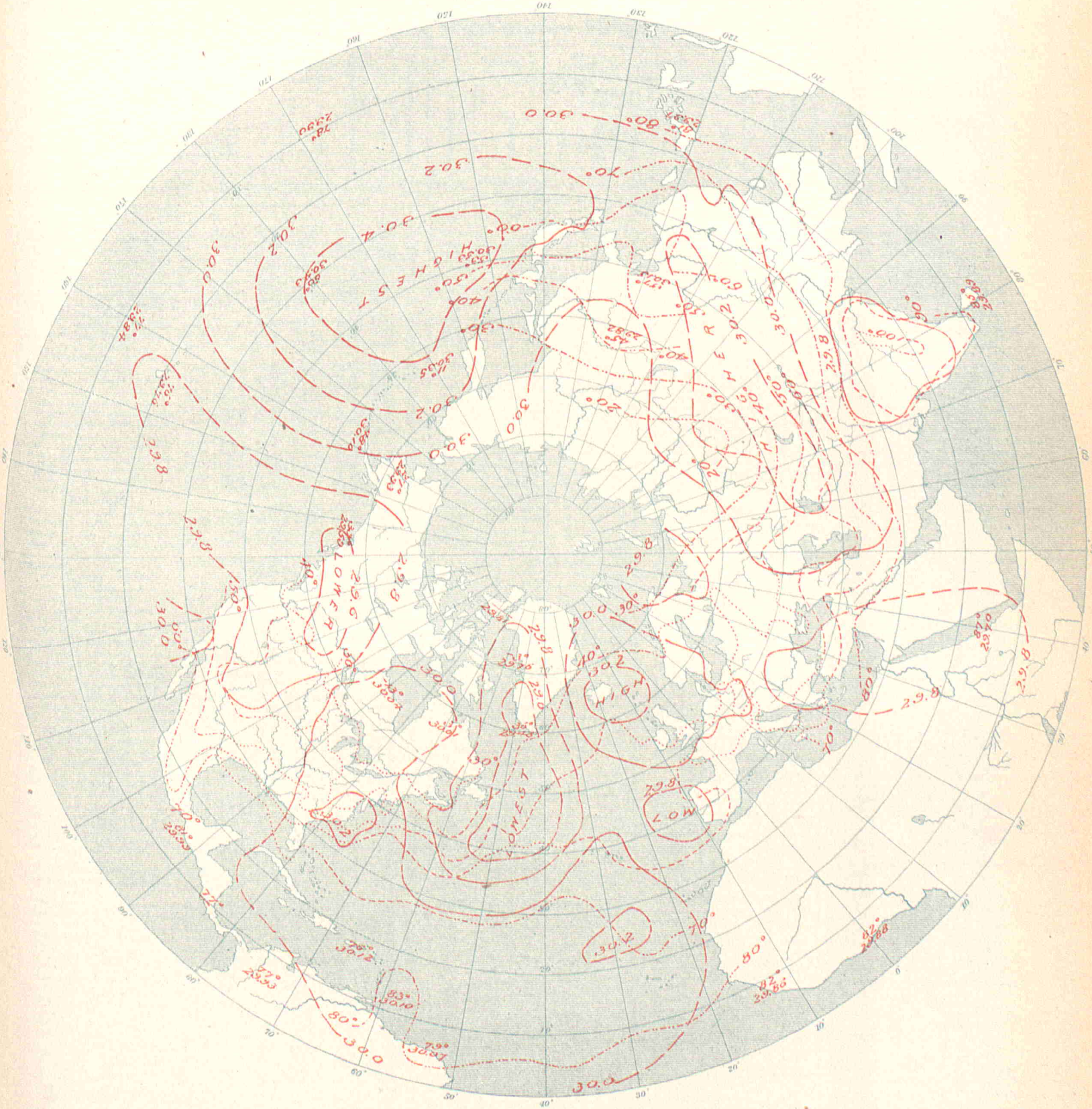
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mil.	Inch.	Mil.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mil.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.93	760 2	30.02	762.4	29.5	— 1.4	82	n.	2	1	.....	.....	10 n	.....	... .	.....	.....	snowing.....	Iwanow.
Pekin, China	30.01	762.2	30.15	765.8	57.4	14.1	56	calm	0	0	.....	0	3 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.86	758.5	30.21	767.4	63.0	17.2	5	ene.	4	2	.. ....	0	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.60	751 7	29.80	756.8	41.4	5.2	71	se.	9	4	.....	0	3 ks	.....	.....	0 004	0.1	.....	Dr. Bergmann.
Pinsk	29.40	746.7	29.89	759 3	54.3	12.4	69	e.	4	2	.....	.....	9 ks	.....	.....	0.012	0.3	.....	.....
Poti	29.86	758.5	29.89	759 3	70.9	21.6	74	e.	4	2	.....	.....	4 k	.....	.....	0	0	.....	.....
St. Petersburg	29.81	757.1	29.83	757.7	45.5	7.5	64	ssw.	4	2	.....	.....	10	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.70	793.5	30.15	765.9	59.2	15.1	49	ne.	7.8	3.5	.....	0	6 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.70	754.4	30.41	772 3	26.8	— 2.9	81	sw.	13	6	.....	.....	9	.....	.....	(nap.	(nap.	.....	Major Lasarew
Sevastopol	29.51	752.1	29.82	757.5	49.3	9.6	86	calm	0	0	.....	.....	10 n	.....	.....	0.047	1.2	.....	.....
Staroi Bykhov	29.31	744.4	29.85	758.3	57.9	14.4	49	ese.	9	4	.....	c	6 ks	.....	.....	0	0	light clouds	Carl Hagen.
Tashkend, Laboratory	28.54	724.9	30.22	767.5	56.1	13.4	39	nw.	4	2	.....	.....	2 k	.....	.....	.....	.....	.....	Teren, A. M
Tiflis	28.56	725.5	29.96	760 9	65.1	18.4	44	se.	4	2	.....	7 cs	0	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.70	703.5	30.24	768 1	47.5	8.6	53	n.	4	2	.....	2 cs	0	.....	.....	.....	.....	.....	Larionow.
Viatka	29.24	742.7	29.88	758.9	43.5	6.4	54	wsw.	2	1	.....	.....	8	.....	.....	0	0	.....	.....
Vladivostock	30.06	763.5	30.13	765.2	42.6	5.9	92	nw.	9	4	.....	.....	5 k	.....	.....	0	0	.....	.....
Warsaw	29.51	749.0	29.93	760 3	55.6	13.1	45	nnw.	7	3	.....	0	0	... .	.....	.....	.....	.....	.....
Yeniseisk	29.84	757.8	30.14	765.6	17.8	— 7.9	60	s.	16	7	.....	.....	10	.....	.....	0.004	0.1	snowing.....	Astronomical Obs'y.
Sub-series.																			M. O. Marks.
Petrowsky Academy	29.30	744.2	29.83	757.7	46.1	7.8	58	se.	8.0	3.6	.....	6 s	0	s.	.....	0	0	fair.....	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.86	758.5	29.97	761.3	60.3	15.7	67	ne.	.....	.....	.....	0	0	.....	.....	0	0	misty.....	B. Jelin.
Bilbao, Met. Obs'y	29.66	753.3	29.72	754 8	77.7	25.4	63	s.	2.2	1.0	.....	2	3	sw.	.....	0	0	cloudy.....	Angel de Uraldo.
Burgos, Met. Obs'y	26.87	682.6	29.76	755.8	64.4	18.0	53	s.	5.6	2.5	.....	.....	9	.....	.....	0	0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.65	702 2	29.87	758.7	55.2	12.9	86	sw.	9.2	4.1	.....	.....	10	.....	.....	0.039	1.0	covered.....	The Staff.
Murcia, Met. Obs'y	29.72	755 0	29.87	758.7	65.5	18.6	69	ene.	5.6	2.5	.....	3	6	W.	.....	0.283	7.2	raining.....	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.80	731.6	29.68	753.8	62.2	16.8	77	sw.	4.3	1.9	.....	.....	9	.....	.....	0.567	14.4	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.99	761.8	30.06	763.5	72.2	22.3	83	se.	8.1	3.6	.....	0	0	.....	.....	0	0	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.91	759.8	29.97	761.3	81.2	27.3	70	se.	13.2	5.9	.....	0	8	.....	.....	0	0	clear.....	F. Faura, S. J.
San Fernando, Naval Obs'y	29.76	755.9	29.86	758.4	54.7	12.6	93	se.	7.5	3.4	.....	.....	10	.....	se.	0.973	24.7	raining	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.03	762.8	30.12	765.1	75.6	24.2	90	calm	0	0	.....	0	2 s	.....	.....	0	0	clear.....	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	29.83	757.6	29.87	758.6	37.8	3.2	66	n.	.....	.....	2	.....	10	.....	.....	0	0	.....	.....
Umea	29.87	758.8	29.93	760.1	48.9	9.4	44	wnw.	.....	.....	2	.....	6	.....	.....	0	0	.....	.....
Hernosand	29.94	760.5	29.99	761.8	50.4	10.2	41	s.	.....	.....	2	.....	5	.....	.....	0	0	.....	.....
Stockholm	29.82	757.4	30.00	761 9	43.7	6.5	65	nnw.	.....	.....	2	.....	2	.....	.....	0	0	.....	.....
Wisby	29.91	759.6	29.97	761.1	41.4	5.2	72	nne.	.....	.....	4	.....	5	.....	.....	0	0	.....	.....
Sub-series.																			
Upsala	29.91	759.7	30.00	761.9	40.5	4.7	65	nnw.	9.8	4.4	.....	.....	9	.....	n.	0	0	.....	H.H.Hildebrandsson
Swiss																			
Geneva	28.57	725.7	30.02	762.4	48.2	9.0	49	nw.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.74	755 4	57.9	14.1	66	n.	17	7.5	.....	.....	1	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.89?	759.2?	61.7	16.5	.....	sw.	.....	.....	3	.....	10	.....	.....	0	0	covered.....	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.67	753.7	91.6	33.1	22?	ese.	.....	.....	4	c	6 n	....	sw.	0.014	0.4	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.05	763 3	30.13	765.3	46	7.8	60	n.	3	1.3	.....	3 cs	1 s	.....	.....	(nap.	(nap.	fair.....	J. O. Barnes.
Alpena, Michigan	29.47	748.5	30.16	766.1	29.8	— 1.2	78	w.	1	0.4	.....	.....	10 s	.....	w.	(nap.	(nap.	cloudy.....	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.88	631.9	29.80	756 9	34.8	1.6	84	e.	3	1.3	.....	0	5 s	.....	.....	0	0	fair.....	J. B. Turton.
Assinnaboine, Ft., Montana	26.75	679.4	29.66	753.4	33.0	0.6	81	calm	0	0	.....	0	0	.....	.....	(nap.	(nap.	clear.....	J.J.O'Connor.
Atlanta, Georgia	28.94	735.1	30.13	765.3	48.0	8.9	71	se.	14	6.3	.....	.....	10 n	.....	.....	(nap.	(nap.	light rain....	S. W. Beall
Atlantic City, New Jersey	30.18	766.6	30.19	766.8	42.0	5.6	65	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	B.A.Blundon.
Augusta, Georgia	30.02	762.5	30.22	767 6	52.3	11.3	62	e.	3	1.3	.....	10 cs	hz.	sw.	.....	0	0	cloudy.....	W.J.Evans.
Baltimore, Maryland	30.20	767.1	30.25	768 3	44.7	7.1	63	nw.	2	0.9	.....	hz.	0	.....	.....	0	0	clear.....	Geo. W. Fisher.
Barnegat City, New Jersey	30.17	766.3	30 19	766.8	44.3	6.8	58	n.	11	4.9	.....	0	0	.....	.....	0	0	clear.....	J.P.Sherry.
Bennett, Fort, Dakota	28.23	717.0	29.87	758.7	40.0	4.4	82	se.	12	5.4	.....	3 ck	3 s	nw.	se.	0	0	fair.....	A. Pritchard.
Benton, Fort, Montana	26.82	681.2	29.68	753.9	34.5	1.4	73	sw.	12	5.4	.....	.....	10 s	.....	.....	0	0	cloudy.....	U.S.Bennett.
Bismarck, Dakota	27.99	710.9	29.87	758 7	39.8	4.3	82	se.	11	4.9	.....	.....	10 k	.....	w.	0	0	cloudy.....	B. O. Lenoir.
Block Island, Rhode Island	30.09	764.3	30.12	765.0	39.0	3.9	82	nw.	10	4.5	.....	0	0	.....	.....	0.02	0.5	clear.....	J. T. Elker.
Boise City, Idaho	26.90	683.2	29.74	755.4	40.2	4.6	62	e.	1	0.4	.....	3 cs	0	.....	.....	0.07	1.8	clear.....	James Kenealy.
Boston, Massachusetts	29.93	760.2	30.09	764.3	39.8	4.3	78	w.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	O. B. Cole.
Brownsville, Texas	29.74	755.4	29.80	756.9	72.6	22.6	97	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy.....	John McGlone.
Buffalo, New York	29.40	746.7	30.17	766.3	32.3	0.2	83	sw.	6	2.7	.....	0	3 k	.....	w.	0	0	clear.....	D.Cuthbertson.
Buford, Fort, Dakota	27.68	703.1	29.78	756.4	35.5	1.9	95	ne.	8	3.6	.....	0	9 n	.....	s.	0.01	0.3	light rain....	A. Schneider.
Cairo, Illinois	29.57	751.1	29.98	761 5	46.0	7.8	93	se.	15	6.7	.....	.....	10 n	.....	se.	0.18	4.6	light rain....	W. H. Ray.
Canby, Fort, Washington Ter	29.56	750.8	29.76	755.9	44.8	7.1	85	e.	1	0.4	.....	0	4 s	.....	.....	0	0	fair.....	J.H.Young.
Cape Henry, Virginia	30.23	767.8	30.25	768.3	44.0	6.7	83	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	A. K. Alderson.
Cape May, New Jersey	30.18	766.6	30.21	767.3	44.0	6.7	76	nw.	9	4.0	.....	0	0	.....	.....	0	0	clear.....	W.E.Smith.
Cape Mendocino, California	29.12	739.6	29.81	757.2	43.8	6.6	83	se.	6	2.7	.....	0	8 ks	.....	se.	0.40	10.2	cloudy.....	A. P. Leavitt.
Cedar Keys, Florida	30.01	762.2	30.03	762.7	61.2	16.2	93	ne.	9	4.0	.....	.....	10 n	.....	ne.	0.32	8.1	thund'r st'm	G. W. Davis.
Charleston, S. Carolina	30.09	764.3	30.15	765.8	56.0	13.3	72	ne.	6	2.7	.....	.....	10 s	.....	ne.	0	0	cloudy.....	J. H. Smith.
Charlotte, N. Carolina	29.34	745 2	30.20	767 1	44.4	6.9	57	ne.	5	2.2	.....	10 cs	fg.	w.	.....	0	0	cloudy.....	D. O'Donoghue.
Chattanooga, Tennessee	29.25	742.9	30.08	764.0	52.0	11.1	56	se.	9	4.0	.....	.....	10 n	.....	sw.	(nap.	(nap.	light rain....	B. L. Gouldins.
Cheyenne, Wyoming	23.75	603 2	29.77	756 1	31.7	— 0.2	62	nw.	6	2.7	.....	0	0	.....	.....	0.08	2.0	clear.....	E. McGovern.
Chincoteague, Virginia	29.38	746 2	30.11	764.8	42.3	5.7	70	e.	4	1.8	.....	4 k	5 ks	e.	e.	0	0	cloudy.....	T.B.Jennings.
Cincinnati, Ohio	30.22	767.6	30.24	768.1	43.0	6.1	74	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	C. F. Dickens
Cleveland, Ohio	29.47	748.5	30.14	765.5	43.0	6.1	83	e.	3	1.3	.....	2 c	3 s	W.	e.	0	0	fair.....	L. Dunne.
Columbus, Ohio	29.43	747.5	30.19	766.8	35.0	1.7	81	se.	7	3.1	.....	0	sk.	.....	se.	0	0	clear.....	W. Line.
Concho, Fort, Texas	29.28	743.7	30.15	765.8	38	3.3	66	w.	2	0.9	.....	3 cs	0	w.	.....	0	0	clear.....	F.T. Williams.
Custer, Fort, Montana	27.96	710.2	29.90	759.4	46.1	7.8	71	nw.	6	2.7	.....	0	0	.....	.....	(nap.	(nap.	clear.....	C. E. King.
Davenport, Iowa	26.48	672.6	29.66	753.4	33	0.6	88	se.	8	3.6	.....	4 cs	0	.....	.....	0	0	fair.....	W.J.Daily.
Davis, Fort, Texas	29.35	745 5	30.02	762.5	44.3	0.8	64	e.	10	4.5	.....	3 ck	6 s	w.	sw.	0	0	cloudy.....	R. R. Martin.
Dayton, Washington T'y	25.12	638 0	29.90	759 4	44.2	6.8	85	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	J. Williams.
Deadwood, Dakota	28.07	713 0	29.83	757 7	30.5	2.5	77	se.	7	3.1	.....	0	0	.....	.....	0.21	5.3	clear.....	H.S.Blandford.
Delaware Breakwater, Del	25.10	637.5	29.79	756 7	32.2	0.1	81	sw.	3	1.3	.....	0	0	.....	.....	(nap.	(nap.	clear.....	G.Kingsbury.
Denver, Colorado	30.22	767.6	30.24	768.1	41.8	5.4	71	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	G.A.Martin.
Des Moines, Iowa	24.49	622.0	29.76	755.9	35.2	1.8	73	s.	9	4.0	.....	0	0	.....	.....	(nap.	(nap.	clear.....	F. M. Neal.
Detroit, Michigan	29.05	738.1	29.99	761.7	42.6	5.9	79	se.	4	1.8	.....	.....	10 n	.....	se.	0.18	4.6	light rain....	F. W. Conrad.
Dodge City, Kansas	29.44	747.8	30.17	766 3	44.0	6.7	76	calm	0	0	.....	10 cs	0	.....	.....	0	0	cloudy.....	N.B.Conger.
Dubuque, Iowa	27.22	691 4	29.85	758.4	41.6	5.3	86	nw.	8	3.6	.....	.....	10 s	.....	n.	0.38	9.7	cloudy.....	J.E.Lamouette.
Duluth, Minnesota	29.33	745.0	30.06	763.5	41.2	5.1	76	calm	0	0	.....	.....	10 ks	.....	se.	0	0	cloudy.....	A.W.Browne.
Eastport, Maine	29.33	745.0	30.10	764.5	35.3	1.8	79	n.	8	3.6	.....	.....	10 s	.....	w.	0	0	cloudy.....	E.R.Brace.
Elliott, Fort, Texas	29.88	758.9	29.95	760 7	37.0	2.8	82	w.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	D. C. Murphy.
El Paso, Texas	27.05	687 1	29.83	757 7	44	6.7	89	n.	16	7.2	.....	.....	10 s	.....	n.	0	0	cloudy.....	J. G. Rickli.
Erie, Pennsylvania	26.16	664.5	29.90	759.4	48.8	9.3	34	w.	4	1.8	.....	0	0	... ...	.....	0	0	clear.....	F.Belford.
Escanaba, Michigan	29.43	747.5	30.18	766.6	37.5	3.1	71	s.	5	2.2	.....	2 k	fg.	.....	.....	0	0	clear.....	P. Wood.
Fort Smith, Arkansas	29.43	747.5	30.12	765.0	32.0	0.0	85	w.	1	0.4	.....	.....	10 ks	.....	nw.	(nap.	(nap.	cloudy.....	L.M.Pindell.
Galveston, Texas	29.36	745 7	29.84	757 9	45.0	7.2	93	e.	5	2.2	.....	.....	10 s	.....	.....	0.54	13.7	cloudy.....	J. B. Campbell.
Grand Haven, Michigan	29.51	757.2	29.85	758.2	66.0	18.9	92	se.	3	1.3	.....	.....	10 s	.....	sw.	1.96	49.8	cloudy.....	E. O'C. Macinerney
Grant, Fort, Arizona	29.45	748.0	30.14	765.5	41.1	5.1	82	sw.	4	1.8	.....	.....	10 s	.....	sw.	0	0	cloudy.....	Joseph E. Mueller.
Hatteras, North Carolina	25.11	637.8	29.84	757 9	44.2	6.8	34	ne.	2	0.9	.....	5 cs	0	.....	.....	0	0	fair.....	Chas. A. Read.
	30.22	767.6	30.23	767.8	49.6	9.8	63	ne.	2	0.9	.....	0	hz.	.....	.....	0	0	clear.....	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.53	648.5	29.74	755.4	36	2.2	77	w.	4	1.8	.....	0	1 k	.....	.....	0.03	0.8	clear	S. W. Morrison.
Huron, Dakota	28.52	724.4	29.97	761.2	31.5	1.4	79	s.	6	2.7	.....	0	5 s	.....	.....	0	0	fair	S. W. Glenn.
Indianapolis, Indiana	29.28	743.7	30.10	764.5	41.0	5.0	57	se.	6	2.7	.....	10 s	.....	.....	se.	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.79	756.7	29.82	757.4	68.0	20.0	100	s.	4	1.8	.....	0	8 ks	.....	sw.	0.13	3.3	cloudy	I. A. Reed.
Jacksonville Florida	30.04	763.0	30.08	764.0	65.5	18.6	75	se.	12	5.4	.....	.....	10 s	.....	se.	0	0	cloudy	J. W. Smith.
Keokuk, Iowa	29.31	744.5	29.98	761.5	44.2	6.8	74	e.	9	4.0	.....	.....	10 s	.....	e.	0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	30.02	762.5	30.04	763.0	77	25.0	82	se.	13	5.8	.....	0	0	.....	.....	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	30.21	768.1	30.26	768.6	45.6	7.6	81	nw.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.06	738.1	30.10	764.5	44.8	7.1	70	ne.	4	1.8	.....	.....	10 s	.....	s.	0	0	threatening	J. A. Cody.
La Crosse, Wisconsin	29.24	742 7	30.04	763.0	43.3	6.3	68	se.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	S. C. Emery.
Leavenworth, Kansas	28.97	735.8	29.88	758.9	43	6.1	87	e.	4	1.8	.....	.....	10 s	.....	e.	0.63	16.0	cloudy	C. Dill.
Lewiston, Idaho	28.96	735.6	29.81	757.2	37.6	3.1	72	calm	0	0	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	C. E. Butler.
Little Rock, Arkansas	29.54	750.3	29.86	758.4	48.0	8.9	90	e.	2	0.9	.....	.....	10 s	.....	.....	0.53	13.5	cloudy	W. U. Simons.
Los Angeles, California	29.62	752.3	30.02	762.5	51.0	10.6	86	nw.	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	T. S. Collins.
Louisville, Kentucky	29.51	749.5	30.08	764.0	47.0	8.3	66	se.	4	1.8	.....	.....	10 s	.....	se.	inap.	inap.	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.53	750.0	30.24	768.1	36.5	2.5	84	calm	0	0	.....	0	sk.	.....	.....	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.46	748 3	30.14	765.5	36.0	2.2	69	calm	0	0	.....	.....	10 s	.....	sw.	0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.22	767.6	30.24	768.1	50.9	10.5	87	nw.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	William Daly.
Maginnis, Fort, Montana	25 15	638.8	29.65	753.1	34.4	1.3	38	nw.	18	8.0	.....	10 ck	0	nw.	.....	c	0	cloudy	F. Burke.
Marquette, Michigan	29.39	746.5	30.14	765.5	30.8	2.7	64	w.	5	2.2	.....	.....	10 s	.....	w.	0	0	cloudy	J. Gilligan.
Memphis, Tennessee	29.56	750.8	29.90	759.4	49.0	9.4	86	e.	5	2.2	.....	.....	10s;fg	.....	.....	0.19	4.8	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.34	745.2	30.11	764.8	40.1	4.5	81	ne.	1	0.4	.....	.....	10 s	.....	ne.	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	29.84	757.9	29.88	758.9	60.4	15.8	90	se.	7	3.1	.....	.....	10 s	.....	se.	0.58	14.7	cloudy	S. M. Leitzell.
Montgomery, Alabama	29.74	755.4	29.97	761.2	52.7	11.5	83	e.	8	3.6	.....	.....	10 s	.....	e.	0.17	4.3	cloudy	L. M. Dey.
Moorhead, Minnesota	28.95	735.3	29.98	761.5	33.5	0.8	83	se.	6	2.7	.....	0	9 s	.....	s.	0	0	cloudy	E. A. Beals.
Mt. Washington, N. H.	23.55	598.2	29.96	761.0	16.0	— 8.9	93	nw.	58	26.0	.....	0	fg.	.....	nw.	0.13	3.3	clear	L. N. Jesunofsky
Nashville, Tennessee	29.43	747.5	30.01	762.2	45.6	7.6	87	e.	7	3.1	.....	.....	10 n	.....	sw.	0.04	1.0	light rain	J. H. Sherman.
New Haven, Connecticut	30.03	762.7	30.15	765.8	40.3	4.6	65	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. G. Lynch.
New London, Connecticut	30.08	764.0	30.12	765.0	44.0	6.7	60	nw.	5	2.2	.....	hz.	0	.....	.....	0	0	clear	M. Herman.
New Orleans, Louisiana	29.79	756.7	29.85	758.2	64.0	17.8	92	sw.	1	0.4	.....	.....	10 s	.....	sw.	1.83	46.5	cloudy	W. Finn.
New York, New York	30.00	762.0	30.18	766.6	41.1	5.1	70	w.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	Wm. Davis.
Norfolk, Virginia	30.20	767.1	30.23	767.8	48.0	8.9	76	calm	0	0	.....	0	0	.....	.....	0	0	clear	E. F. Brady.
North Platte, Nebraska	26.89	683 0	29.85	758.2	36.6	2.6	79	e.	4	1.8	.....	.....	10 s	.....	.....	0.07	1.8	cloudy	J. Dascomb
Olympia, Washington T'y	29.72	754.9	29.76	755.9	39.0	3.9	94	calm	0	0	.....	.....	fg.	.....	.....	0.39	9.9	dense fog	A. Pollak
Omaha, Nebraska	28.77	730.7	29.98	761.5	39.2	4.0	89	e	3	1.3	.....	.....	10s;fg	.....	.....	0.17	4.3	cloudy	J. G. Linsley.
Oswego, New York	29.80	756.9	30.14	765.5	38.1	3.4	73	sw.	0	2.7	.....	1 cs	hz.	.....	.....	inap.	inap.	clear	P. T. Jenkins.
Palestine, Texas	29.29	744.0	29.85	758.2	59.4	15.2	100	s.	6	2.7	.....	.....	10s;fg	.....	.....	0.90	22.9	cloudy	M. McGauran.
Pensacola, Florida	29.86	758.4	29.89	759.2	62.3	16.8	96	e.	10	4.5	.....	.....	10 n	.....	se.	1.29	32.8	light rain	T. F. Townsend.
Philadelphia, Pa	30.11	764.8	30.24	768.1	41	5.0	73	w.	6	2.7	.....	0	sk.	.....	.....	0	0	clear	H. Hall.
Pike's Peak, Colorado	17.56	446.0	29.84	757.9	3.0	—16.1	91	w.	17	7.6	.....	0	0	.....	.....	0.02	0.5	clear	O. D. Stewart.
Pittsburg, Pennsylvania	29.35	745.5	30.18	766.6	35.7	2.1	85	n.	1	0.4	.....	0	fg.	.....	.....	inap.	inap.	clear	Geo. A. Carden.
Poplar River, Montana	.....	.....	.....	.....	28.1	— 2.2	79	.....	.....	.....	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Port Huron, Michigan	29.43	747.5	30.13	765.3	34.3	1.3	88	s.	3	1.3	.....	0	5 s	.....	.....	0.01	0.3	fair	W. W. Eichelberger.
Portland, Maine	29.97	761.2	30.02	762.5	42.5	5.8	70	w.	4	1.8	.....	0	9 k	.....	w.	inap.	inap.	cloudy	M. L. Hearne.
Portland, Oregon	29.67	753 6	29.74	755.4	45.2	7.3	82	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. Glover.
Prescott, Arizona	24.55	623.6	29.82	757.4	40.3	4.6	66	s.	4	1.8	.....	5 c	0	.....	.....	0	0	fair	O. N. Kitchel.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. R. Williams.
Red Bluff, California	29.45	748.0	29.81	757.2	44.5	6.9	100	s.	3	1.3	.....	0	5 ks	.....	s.	0.48	12.2	fair	L. G. Schultz.
Rio Grande City, Texas	29.62	752.3	29 86	758 4	74.6	23.7	86	se.	2	0.9	.....	.....	fg.	.....	se.	0	0	dense fog	E. W. McGann.
Rochester, N. Y	29.48	748.8	30.17	766.3	32.5	0.3	83	sw.	8	3.6	.....	0	sk.	.....	.....	inap.	inap.	clear	J. J. Naury.
Roseburg, Oregon	29.21	741.9	29.77	756.1	44.4	6.9	91	s.	6	2.7	.....	.....	10 n	.....	sw.	0.41	10.4	light rain	J. A. Barwick
Sacramento, California	29.77	756.1	29.84	757.9	48.0	8.9	86	sw.	6	2.7	.....	0	5 s	.....	sw.	1.00	25.4	fair	J. H. Weber.
St. Louis, Missouri	29.34	745.2	29.97	761.2	43.9	6.6	95	e.	16	7.2	.....	.....	10 n	.....	e.	0.18	4.6	heavy rain	Fred. H. Clarke.
St. Michael, Fort, Alaska	29.90	759.4	29.93	760.2	26.5	— 3.1	94	ne.	10	4.5	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	P. F. Lyons.
St. Paul, Minnesota	29.14	740.1	30.02	762.5	42.8	6.0	74	se.	4	1.8	.....	.....	10 k	.....	s.	0	0	cloudy	C. B. Dilley.
St. Vincent, Minnesota	29.11	739.4	30.02	762.5	31	— 0.6	83	se.	2	0.9	.....	.....	8 k	.....	.....	0	0	cloudy	J. Craig.
Salt Lake City, Utah	25.29	642.4	29.66	753.4	44.7	7.1	78	calm	0	0	.....	.....	10 ks	.....	sw.	0.24	6.1	cloudy	F. R. Day.
San Diego, California	29.97	761.2	30.04	763.0	54.4	12.4	79	n.	3	1.3	.....	.....	10 s	.....	w.	0.05	1.3	cloudy	B. F. Hough.
Sandusky, Ohio	29.49	749.0	30.19	766.8	41	5.0	65	s.	10	4.5	.....	0	0	.....	.....	0	0	clear	V. P. Chappel.
Sandy Hook, New Jersey	30.10	766.1	30.19	766.8	42.0	5.6	74	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. B. Marbury
Sanford, Florida	29.97	761 2	30.02	762.5	68.0	20.0	92	se.	6	2.7	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	J. B. Marbury
San Francisco, California	29.81	757.2	29.88	758.9	49.4	9.7	86	nw.	6	2.7	.....	1 cs	2 s	nw.	nw.	1.62	41.1	clear	N. Gorom.
Savannah, Georgia	30.05	763.3	30.14	765.5	59	15.0	65	se.	9	4.0	.....	10 ck	0	sw.	.....	0	0	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.04	661.4	29.71	754.6	40	4.4	67	sw.	17	7.6	.....	0	2 k	.....	w.	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.63	752.6	29.87	758.7	53.5	11.9	91	se.	1	0.4	.....	.....	fg.	.....	.....	0.50	12.7	dense fog	E. N. Meekins.
Sitka, Alaska	29.52	749.8	29.59	751.6	39.2	4.0	42	e.	2	0.9	.....	0	6 ks	.....	e.	0	0	fair	F. W. Fickett.
Smithville, North Carolina	30.17	766.3	30.21	767.3	54.0	12.2	70	se.	8	3.6	.....	1 ck	0	nw.	.....	0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.07	702.8	29.73	755.1	43.4	6.3	68	calm	0	0	.....	.....	10 s	.....	.....	0.07	1.8	cloudy	D. Moore.
Springfield, Illinois	29.34	745.2	30.04	763.0	47.5	8.6	69	se.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	W. Norrington.
Stockton, Fort, Texas	29.90	683.2	29.92	760.0	46.0	7.8	50	sw.	3	1.3	.....	0	4 s	.....	.....	inap.	inap.	fair	J. W. Byram.
Tatoosh Id., Wash. Ter	29.67	753.6	29.76	755.9	43.0	6.1	98	calm	0	0	.....	1 c	5 ks	nw.	nw.	0.21	5.3	fair	R. Connor.
Thomas, Camp, Arizona	27.15	689.6	29.88	758.9	40.2	4.6	73	calm	.....	.....	0	1 cs	hz.	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.44	747.8	30.15	765.8	43	6.1	68	calm	0	0	.....	0	sk.	.....	.....	0	0	densesmoke	A. Buell.
Unalashka, Alaska	30.08	764.0	30.10	764.5	48	8.9	86	s.	8	3.6	.....	0	0	.....	.....	0	0	clear	Samuel Applegate.
Vicksburg, Mississippi	29.64	752.8	29.90	759.4	54	12.2	86	s.	3	1.3	.....	.....	10s;sk	.....	.....	0.14	3.6	cloudy	F. W. Mixer.
Washington, D. C	30.14	765.5	30.26	768.6	38.0	3.3	82	calm	0	0	.....	0	fg.	.....	s.	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.82	655.8	29.77	756.1	29.2	— 1.0	100	calm	0	0	.....	.....	fg.	.....	.....	0.04	1.0	dense fog	T. B. Harrison.
Wilmington, N Carolina	30.18	766.0	30.24	768.1	50.6	10.3	76	calm	0	0	.....	0	1s;sk	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.04	727.4	29.98	761.5	37.3	2.9	94	se.	5	2.2	.....	.....	10 n	.....	.....	0.06	1.5	light rain	E. H. Thompson.
Yuma, Arizona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	30.33	770.4	30.35	770.9	10.9	—11.7	.....	sw.	6	2.7	.....	0	0	.....	.....	0.02	0.5	clear	George Oberuick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	85	29.4	.....	ne.	.....	.....	3	1 c	1 k	.....	ne.	0	0	fair	W. F. Jackson.
Bogota, U. S. C.	22.00	558.9	.....	.....	53.6	12.0	81	w.	2	1	.....	2 fc;cs	2 k	e.	s.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.86	758.4	30.01	762.2	3	—16.1	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	L. M. Turner.
Kingston, Jamaica, W. I.	.....	.....	30.03	762.7	75	23.9	73	n.	1	0.4	.....	0	0	.....	.....	0	0	fine	Robert Johnston.
Paramaribo, S. A.	30.06	763.5	30.07	763.8	79	26.1	87	e.	.....	.....	2	4 c	5 k	e.	.....	0.030	0.8	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.37	746.0	29.93	760.2	77	25.0	84	n.	.....	.....	1	.....	3 k	.....	s.	1.44	36.6	fair	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	29.887	758.9[illegible]	30.04[illegible]	763.0[illegible]	77	25.0	83	ne.	.....	.....	2	.....	5 ks	.....	ne.	0	0	fair	Earl Flint.
York Factory, B. A.	29.87	758.7	30.04	763.0	—12.5	—24.7	74	nw.	9	4.0	.....	0	0	.....	.....	0	0	clear	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Arizona, N. 50° 02′, W. 22° 08′	29.88	758.9	49	9.4	.....	ne	.....	.....	3	.....	5	.....	ne.	sh'rs	sh'rs	mod.	nw.	½ covered.
S. S. Alvo, Aux Cayes, Hayti, W. I *	30.05	763.3	74	23.3	.....	ese.	.....	.....	2–3	.....	5	.....	ese.	0	0	.....	.....	fine.
S. S. Alps, N. 17° 29′, W. 67° 57′ *†	30.10	764.5	86	30.0	.....	ene.	.....	.....	4	.....	2	.....	e.	0	0	sm'h	ese.	clear.
S. S. Ailsa, N. 18° 44′, W. 78° 13′	.....	.....	79	26.1	91	ne	.....	.....	4	.....	2	.....	ne.	0	0	light	.....	fine.
S. S. Abyssinia, N. 42° 43′, W. 42° 54′ *	29.51	749.5	56	13.3	94	wnw.	.....	.....	4	.....	5	.....	w.	4 h'r	4 h'r	r'gh	w	hazy.
S. S. Assyrian Monarch, N. 40° 47′, W. 70° 15′	.....	.....	.....	.....	.....	w.	.....	.....	4	.....	2	.....	w	2 h'r	2 h'r	sm'h	.....	clear.
S. S. Bohemia, N. 42° 07′, W. 41° 40′	.....	.....	.....	.....	.....	var.	.....	.....	5–6	.....	9	.....	var.	7 h'r	7 h'r	h'vy	var.	cloudy.
S. S. Britannic, N. 40° 44′, W. 68° 56′	.....	.....	41	5.0	.....	w.	.....	.....	2	.....	4	.....	nw.	0	0	sm'h	.....	d. clouds.
S. S. City of Washington, N. 18° 41′, W. 92° 44′	.....	.....	85	29.4	.....	var.	.....	.....	3	.....	5	.....	e.	0	0	.....	.....	fine.
S. S. Canada, (Fr) N. 49° 57′, W. 9° 40′	30.04	763.0	57	13.9	94	ese.	.....	.....	2	.....	10	.....	.....	4 h'r	4 h'r	mod.	w.	overcast.
S. S. Circassian, N. 43° 20′, W. 47° 30′	29.48	748.8	42?	5.6?	100	w.	.....	.....	3	.....	10	.....	w.	.....	.....	4	w.	raining.
S. S. Cienfuegos, N. 32° 39′, W. 75° 13′	30.22	767.6	60	15 6	.....	se.	.....	.....	3	.....	0	.....	.....	0	0	small	ese.	clear.
S. S. Denmark, N. 42° 21′, W. 41° 12′ †	29.50	749.3	63	17.2	86	sw.	.....	.....	5	.....	10	nw.	sw.	7 h'r	7 h'r	mod.	sw.	cloudy.
S. S. E. B. Sutton, N. 38° 30′, W. 49° 20 *†	29.62	752.3	63	17.2	77	w.	.....	.....	3	.....	10	.....	nw.	.....	.....	h'vy	cross	rainy
S. S. Elbe, N. 40° 52′, W. 52° 26′	.....	.....	48.2	9.0	.....	nw.	.....	.....	4	.....	9	.....	nw.	3 h'r	3 h'r	mod.	nw.	cloudy.
S. S. Eider, N. 53° 46′, E. 6° 19′	30.03	762.7	44.6	7.0	.....	e.	.....	.....	1	.....	7	.....	.....	0	0	sm'h	s.	fair.
S. S. Fulda, N. 48° 37′, W. 17° 32′	29.95	760.8	51.8	11.0	100	n.	.....	.....	3	.....	10	.....	n.	0	0	sm'h	nw.	foggy.
S. S. Gellert, N. 47° 53′, W. 27° 02′	.....	.....	52.0	11.1	.....	wsw.	.....	.....	2	.....	2	.....	wsw.	0	0	r'gh	sw.	clear
S. S. Gallia, N. 50° 23′, W. 19° 39′	29.91	759.7	55	12.8	.....	e.	.....	.....	2	.....	fg	.....	.....	.....	.....	long	w.	foggy
S. S. Helvetia, N. 40° 26′, W. 53° 47′	29.57	751.1	47	8.3	92	nnw.	.....	.....	4	.....	5	.....	n	2 h'r	2 h'r	mod	nw.	fair.
Bk. Heinrich & Tonio, N. 38° 40′, W. 71° 10′	.....	.....	47	8.3	85	nw.	.....	.....	3	.....	2	.....	nw.	0	0	mod.	nw.	fair.
Bg. L. & W. Armstrong, N. 35° 03′, W. 69° 16′ *†	30.08	764.0	.....	.....	.....	nw.	.....	.....	1	.....	3	.....	nw.	1 h'r	1 h'r	mod.	nw.	hail squalls
S. S. Lone Star, N. 38° 48′, W. 74° 20′*†	30.18	766.6	46	7.8	.....	nw.	.....	.....	2	.....	2	.....	.....	0	0	sm'h	.....	clear.
S. S. Llandaff City, N. 40° 30′, W. 70° 41′	.....	.....	45	7.2	.....	nw.	.....	.....	4	.....	5	.....	wnw.	0	0	sm'h	.....	fine.
Schr. Maggie Abbott, N. 37° 55′, W. 68° 37′	.....	.....	.....	.....	.....	nw.	.....	.....	5	.....	5	.....	nw.	shr's	sh'rs	short	.....	fair.
S. S. Marengo, N. 40° 16′, W. 53° 20′	29.57	751.1	49	9.4	.....	nnw.	.....	.....	6	.....	10	.....	nnw.	4 h'r	4 h'r	high	nnw.	squally.
S. S. Nurnberg, N. 49° 32, W. 10° 00′	29.95	760.7	57.2	14.0	.....	e.	.....	.....	2	.....	10	.....	se.	0	0	sm'h	ese.	covered.
S. S. Nova Scotian, N. 48° 57′, W. 27° 48′	.....	.....	51	10.6	.....	sse.	.....	.....	3	.....	10	.....	sw.	.....	.....	mod.	wnw.	cloudy.
S. S. Nessmore, N. 37° 10′, W. 73° 32′	30.22	767.6	51	10.6	86	ne.	.....	.....	2	.....	2	.....	ne.	0	0	sm'h	e.	clear.
S. S. Orinoco, N. 36° 43′, W. 69° 30 †	30.10	764.5	64	17.8	.....	n.	.....	.....	2	.....	7	.....	n.	1 h'r	1 h'r	long	nnw.	fine.
S. S. Oregon, (Br) N. 44° 23′, W. 50° 08′	29.54	750.3	32	0.0	.....	nnw.	.....	.....	3	.....	6	.....	nnw.	0	0	long	sw.	hazy.
S. S. Olbers, N. 32° 35′, W. 69° 26′	.....	.....	64	17.8	48	nnw.	.....	.....	5	.....	3	.....	nnw.	.....	.....	6	nnw.	clear.
S. S. Polynesian, N. 54° 50′, W 12° 36′	.....	.....	50	10.0	.....	ene.	.....	.....	3	.....	0	.....	.....	0	0	mod.	sw.	clear.
S. S. P. Caland, N. 45° 30′, W. 32° 45′	29.68	753.9	57.9	14.4	.....	ssw.	.....	.....	4	.....	9	.....	ne.	0	0	5	wnw.	cloudy
S. S. Republic, N. 48° 16′, W. 30° 28′	.....	.....	55	12.8	.....	s.	.....	.....	5	.....	10	.....	.....	1 h'r	1 h'r	r'gh	w.	foggy.
S. S. State of Georgia, N. 44° 42′ W. 42° —†	29.41	747.0	56	13.3	.....	calm	.....	.....	0	.....	10	.....	sw.	hv'y	hv'y	mod.	sw.	raining.
Bk. Tuck Sing, N. 37° 27′, W. 73° 57′	.....	.....	.....	.....	.....	n.	.....	.....	2	.....	0	.....	.....	.....	0	sm'h	.....	clear.
S. S. The Queen, N. 49° 43′, W. 21° 38′	29.95	760.7	54	12.2	.....	n.	.....	.....	4	.....	8	.....	n.	.....	.....	long	wnw.	fine.
S. S. Vaderland, N. 41° 33′ W. 45° 30′	.....	.....	62	16.7	.....	w.	.....	.....	5	.....	4	.....	w.	4 h'r	4 h'r	mod.	nnw.	fair.
S. S. Wieland, N. 50° 08′, W. 12° 17′	.....	.....	55	12.8	.....	e.	.....	.....	3	.....	10	.....	ese.	.....	.....	mod.	ese.	cloudy.
S. S. Weser, N. 46° 21′, W. 34° 54′	29.67	753.6	53.6	12.0	.....	s.	.....	.....	4	.....	8	.....	s.	9 h'r	9 h'r	3	s.	cloudy.
S. S. Westernland, Antwerp, Belgium	30.05	763.3	52	11.1	79	nw.	.....	.....	2	.....	10	.....	nw.	.....	.....	.....	.....	hailing.
S. S. Waesland, Antwerp, Belgium	30.09	764 3	54	12.2	.....	nw.	.....	.....	5	.....	9	.....	nw.	0	0	.....	.....	cloudy.
Bk. Alpha, N. 24° 00′, W. 70° 50′ *†	30.12	765.0	76	24.4	.....	ne.	.....	.....	3	.....	2	.....	ne.	0	0	sm'h	.....	clear.
Schr Adda Doane, Port Antonio, Jamaica, W.I †	30.10	764.5	.....	.....	.....	ese.	.....	.....	1	.....	3	.....	se.	0	0	.....	.....	clear.
S. S. America, N. 37° —′, W. 68° —′	30.11	764.8	57	13.9	.....	n.	.....	.....	4	.....	2	.....	n.	0	0	sm'h	n.	clear
S. S. British Princess, N. 51° 25′, W. 9° 55′	.....	.....	.....	.....	.....	ese.	.....	.....	3	.....	10	.....	.....	0	0	sm'h	.....	light haze
S. S. Caracas, Curacoa, W. I *†	30.01	762.2	79	26.1	86	e.	.....	.....	5	.....	10	.....	e.	1 h'r	1 h'r	light	ese.	overcast.
S. S. City of Merida, N. 34° co′, W. 77° 00′	.....	.....	.....	.....	.....	se.	.....	.....	1	.....	0	.....	.....	0	0	light	ne.	fine.
S. S. Chalmette, N. 25° 05′, W. 80° 08′	.....	.....	70	21.1	.....	se.	.....	.....	5	.....	5	.....	se.	0	0	mod.	se.	fair
S. S. Devonia, N. 49° 26′, W. 36° 20′†	29.53	750.0	52	11.1	.....	sse.	.....	.....	3	.....	8	.....	sw.	5 h'r	5 h'r	con.	.....	hazy.
S. S. England, off Stag Rock, Eng	30.10	764.5	...	.....	.....	se.	.....	.....	4	.....	10	.....	se.	0	0	sm'h	.....	cloudy.
S. S. Foscolia, N. 36° 54′ W. 34° 07′	30.04	763.0	69	20.6	.....	ssw.	.....	.....	4	.....	8	.....	sw.	0	0	mod.	sw.	overcast.
S. S. Habsburg, N. 45° 59′, W. 24° 10′	29.96	761.0	.....	.....	.....	n.	.....	.....	3	.....	7	.....	nne.	0	0	sm'h	w.	fair.
Bk. Idaho, N. 20° 18′, W. 78° 43′*†	30.06	763.5	.....	.....	.....	ene.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bg. Lilian, N. 13° 00′, W. 57° 27′ †	30.11	764.8	.....	.....	.....	ene.	.....	.....	3	.....	2	.....	.....	0	0	r'gh	var.	clear.
S. S. Labrador, N. 44° 31′, W. 45° 37′	.....	.....	44.6	7.0	.....	wnw.	.....	.....	3	.....	2†	.....	w.	.....	.....	r'gh	wsw.	covered.†
S. S. Muriel, Antigua, W. I	30.06	763.5	79	26.1	.....	e.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Pennsylvania, N. 38° 55, W. 51° 00′	.....	.....	60	15.6	88	var.	.....	.....	2	.....	7	.....	sw.	2 h'r	2 h'r	mod.	s.	showery.
S. S. Prussian, N. 53° 36′, W. 20° 03′	.....	.....	52	11.1	.....	ene.	.....	.....	4	.....	10	.....	ene.	0	0	mod.	w.	cloudy.
S. S. Samaria, N. 48° 51′, W. 30° 56′*	29.72	754.9	52	11.1	.....	se.	.....	.....	5	.....	6	.....	se.	10 h'r	10 h'r	mod.	se.	misty.
Bk. Tros, N. 28° 11′, W. 67° 05′ *†	30.11	764.8	66	18.9	.....	n.	.....	.....	2	.....	2	.....	w.	0	0	mod.	nw.	fair.
S. Tsernogora, N. 39° 28′, W. 71° 30′*†	30.10	764.5	.....	.....	.....	nnw.	.....	.....	4	.....	2	.....	nne.	0	0	sm'h	.....	clear.
U. S. S. Alliance, N. 20° 26′, W. 73° 50′	30.15?	765.8?	77	25.0	82	ene.	.....	.....	4	.....	2	.....	e.	.....	.....	sm'h	.....	fair.
U. S. S. Galena, San Juan, Porto Rico, W.I*	30.11	764.8	80	26.7	74	se.	.....	.....	1	.....	2	.....	se.	.....	.....	sm'h	.....	fair.
U. S. S. Lancaster, Beirut, Syria	29.68	753.9	90	32.2	70	se.	.....	.....	6	.....	5	.....	se.	.....	.....	sm'h	.....	squally
U. S. S. Pensacola, N. 4° 58′, W. 37° 28′ †	30.04	763.0	80	26.7	74	nne.	.....	.....	4	.....	5	.....	nne.	0.82	20.8	sm'h	.....	fair.
U. S. S. Portsmouth, N. 27° 50′, W. 70° 05′	30.19	766.8	66	18.9	79	n.	.....	.....	3	.....	2	.....	nw.	.....	.....	long	nw.	clear.
U. S. S. Quinnebaug, N. 32° 55′, E. 14° 05′	29.95	760.7	68	20.0	74	e.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Saratoga, Lisbon, Portugal	29.75	755.6	60	15.6	76	wsw.	.....	.....	1	.....	5	.....	sw.	light	light	sm'h	.....	fair.
U. S. S. Swatara, Matanzas, Cuba W. I	30.06	763 5	75	23.9	95	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.05	763.3	71	21.7	85	se.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Yantic, N. 23° 10′, W. 81° 30′	30.08	764.0	74	23.3	90	se.	.....	.....	4	.....	2	.....	.....	.....	.....	sm'h	.....	clear.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.96	761.0	69	20.6	61	wsw.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky
H. M. S. Alecto, N. 5° 33, W. 0° 04′	29.88	758.9	82	27.8	.....	se.	.....	.....	1	.....	10	.....	.....	.....	.....	3	ssw.	raining.
H. M. S. Himalaya, N. 37° 00′, W. 1° 04′	29.79	756.7	62	16.7	77	ne.	.....	.....	3	.....	7	.....	.....	.....	.....	3	ne.	d. clouds.
H. M. S Inflexible, Argostoli, Greece	.....	.....	67	19.4	89	wsw.	.....	.....	3	.....	3	.....	.....	.....	.....	2	wsw.	d. clouds.
H. M. S. Minotaur, N. 36° 08′, E. 19° 37′	.....	.....	62.5	16.9	74	w.	.....	.....	2	.....	9	.....	wsw.	.....	.....	.....	.....	d. clouds.
H. P. M. S. Bengo, N. 12° 17′, W. 14° 46′	.....	.....	80.6	27.0	63	nw.	.....	.....	2	.....	5	.....	se.	0	0	1	.....	blue sky
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.88	758.9	88.0	31.1	75	sse.	.....	.....	3	.....	8	.....	se.	5 h'r	5 h'r	4	se.	d. clouds.
S. S. British Crown, N. 39° 44′, W. 58° 00′†	29.73	755.1	43	6.1	.....	n.	.....	.....	6	.....	3	.....	n.	3 h'r	3 h'r	high	wnw.	clear.
S. S. British Prince, N. 49° 27′ W. 23° 01′ *	29.81	757.2	51	10.6	100	nw.	.....	.....	3	.....	4	.....	wnw.	0	0	h'vy	nw.	fine.
S. S. Scandinavian, N. 42° 06′, W. 58° 12′	.....	.....	36	2.2	.....	n.	.....	.....	5	.....	8	.....	n.	sh'rs	sh'rs	mod.	n.	d clouds.
S. S. Athos, N. 36° 40′, W. 74° 00′	.....	.....	.....	.....	.....	var.	.....	.....	7	.....	10	.....	nw.	7 h'r	7 h'r	r'gh	se.	hazy.
S. S. Dorian, N. 40° 44′, W. 31° 15′	30.00	762.0	60	15.6	.....	ssw.	.....	.....	5	.....	4	.....	ssw.	2 h'r	2 h'r	long	w.	fine.
S. S. California, N. 50° 29′, W. 1° 16′	.....	.....	58.5?	14.7?	.....	e.	.....	.....	1	.....	2	.....	e.	0	0	long	e.	clear.
S. S. St. Laurent, N. 49° 35′, W. 0° 20′	29.97	761.2	53.6	12.	.....	e.	.....	.....	2	.....	1	.....	.....	0	0	sm'h	.....	clear.
S. S. Westphalia, N. 48° 48′, W. 13° 08′	.....	.....	58	14.4	.....	se.	.....	.....	3	.....	6?	.....	s.	0	0	mod.	sse.	covered ?
S. S. Moravia, N. 50° 10′, W. 3° 00′	.....	.....	46.4	8.0	.....	s.	.....	.....	2	.....	10	.....	ne.	0	0	sm'h	w.	cloudy.
S. S. Hammonia, N. 40° 21′, W. 63° 10′	.....	.....	58?	14.4?	.....	nnw.	.....	.....	7	.....	2	.....	n.	1 h'r	1 h'r	mod.	nw.	fair.
S. S. Venetian, N. 51° 10′, W. 16° 45′*	29.96	761.0	52	11.1	.....	se.	.....	.....	3	.....	10	.....	.....	6 h'r	6 h'r	.....	sw.	foggy.
S. S. Hevelius, N. 52° 26′, W. 5° 23′	.....	.....	45	7.2	.....	ne.	.....	.....	5	.....	4	.....	ene.	0	0	.....	.....	clear.
S. S Donau, N. 44° 36′, W. 39° 10′	.....	.....	.....	.....	.....	ssw.	.....	.....	4	.....	10	.....	ssw.	6 h'r	6 h'r	r'gh	w.	covered.
S. S. Strassburg, N. 66° 55′, W. 28° 31′	30.06	763.5	83.0	28.3	64	nne.	.....	.....	4	.....	3	.....	nne.	0	0	3	nne.	clear.
S. S. Baltimore, N. 49° 24′, W. 10° 50′	.....	.....	55.4	13.0	.....	se.	.....	.....	3	.....	8	.....	se.	0	0	mod	e.	fair.
S. S. Belgenland, N. 43° 22′, W 38° 47′	.....	.....	55	12.8	93	sw.	.....	.....	.....	.....	4	.....	wnw.	rain	rain	mod.	nnw.	cloudy.
S. S. Pennland, Antwerp, Belgium	.....	.....	48	8.9	74	n.	.....	.....	1	.....	5	.....	n	0	0	.....	.....	fair.
S. S. Amsterdam, Amsterdam, Holland*	30.03	762.7	51.4	10.8	85	calm	.....	.....	0	.....	6	.....	se.	0	0	.....	.....	cloudy.
S. S. W. A. Scholten, N. 40° 09′, W. 62° 55′	29.95	760.7	47.7	8.7	84	n.	.....	.....	6	.....	8	.....	nnw.	1 h'r	1 h'r	4	wnw.	squally.
S. S. Zaandam, N. 47° 36′, W. 29° 28′	29.92	760.0	54.7	12.6	93	sse.	.....	.....	5	.....	10	.....	sse.	16 h'r	16 h'r	long	sse.	drizzling.
S. S. Maasdam, N. 40° 12′, W. 62° 22′*	29.82	757.4	48.5	9.2	89	var.	.....	.....	6	.....	8	.....	W;nw.	3 h'r	3 h'r	6	w.	cloudy.
S. S. Saxon, N. 41° 20′, W. 73° 30′	.....	.....	.....	.....	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Baltic, N. 40° 36′, W. 63° 09′	.....	.....	.....	.....	.....	nw.	.....	.....	6	.....	5	.....	nw.	hail	hail	r'gh	nw.	fair.
Bg. Alcira, N. 11° 02′, W. 70° 42′	.....	.....	79	26.1	.....	ene.	.....	.....	3	.....	2	.....	ne.	0	0	short	ne.	dense haze.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.						
								Force.	Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. S. Antonio Lopez, N. 22° 32′, W. 58° 47′	30.18	766.6	71	21.7	95	calm	.....	.....	0	.....	9	.....	.....	½ h'r	½ h'r	sm'h	.....	squally.
Schr. Arthur Burton, Ponce, Porto Rico, W.I †	30.13	765.3	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	ne.	0	0	sm'h	.....	fine.
Schr. Annie R. Lewis, Porto Plata, Hayti, W. I†	30.12	765.0	78	25.6	.....	s.	.....	.....	2	.....	1	.....	ne.	0	0	.....	s.	clear.
Schr. Annie A. Holton, N 25° 56′, W. 71° 29′	.....	.....	74	23.3	.....	nnw.	.....	.....	5	.....	5	.....	n.	0	0	mod.	w.	fair.
Bk. Aureola, N. 17° 25′, W. 29° 48′	.....	.....	72	22.2	85	ene.	.....	.....	6	.....	7	.....	ene.	0	0	mod.	nne.	cloudy.
Bg. Abbie Clifford, Port of Spain, Trinidad, W.I	.....	.....	76	24.4	.....	calm	.....	.....	0	.....	1	.....	e.	0	0	.....	.....	fine.
Bgt. Achsah, N. 25° 07′, W. 64° 33′ †	30.15	765.8	76	24.4	.....	nnw.	.....	.....	5	.....	2	.....	nnw.	0	0	mod.	nnw.	fair.
Bk. Adelaide, N. 18° 07′, W. 58° 28′	.....	.....	80	26.7	.....	e.	.....	.....	3	.....	1	.....	ene.	0	0	sm'h	e.	clear.
Schr. Abbie H. Gheen, N. 38° 00′, W. 72° 20′ *†	30.23	767.8	56?	13.3?	.....	nw.	.....	.....	5	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.02	762.5	80	26.7	.....	ene.	.....	.....	4	.....	6	.....	ene.	0	0	.....	.....	smoky.
Bk. Cato, N. 57° 26′, E. 5° 15′†	29.98	761.5	46	7.8	88	ene.	.....	.....	2	.....	3?	.....	ne.	0	0	.....	.....	cloudy.?
S. Cornelius, N. 25° 05′, W. 25° 03′ *†	30.23	767.8	68.4	20.2	.....	nne.	.....	.....	4	.....	1	.....	.....	0	0	long	ne.	fair.
Bk. Diamant, N. 41° 39′, W. 38° 31′	29.63	752.7	63.1	17.3	89	sw.	.....	.....	5	.....	4	.....	wsw.	3 h'r	3 h'r	5	sw.	hazy.
S. E. J. Spicer, N. 41° 45′, W. 42° 55′	29.56	750.8	66	18.9	94	ssw.	.....	.....	6	.....	10	.....	ssw.	6 h'r	6 h'r	mod.	sw.	overcast.
Schr. Edith R. Seward, N. 35° 20′, W. 72° 50′	.....	.....	57	13.9	.....	nw.	.....	.....	2	.....	5?	.....	nuw.	¼h'r	¼h'r	mod.	nw.	clear.?
S. Ismir, N. 15° 23′, W. 56° 30′ *†	30.17	766.3	.....	.....	.....	nne.	.....	.....	4	.....	3	.....	nne.	0	0	mod.	ne.	fine.
Bg. George, N. 33° 04′, W. 68° 30′ *†	30.05	763.3	.....	.....	.....	nnw.	.....	.....	2	.....	2	.....	n.	rain	rain	r'gh	w;nw	fair.
Bk. Gloire, N. 40° 40′, W. 51° 51′	29.63	752.6	53	11.7	86	nne.	.....	.....	3	.....	.....	.....	nuw.	0	0	short	w.	cloudy.
S Grecian, N. 47° 07′, W. 15° 20′ †	29.85	758.2	57	13.9	87	ene.	.....	.....	5	.....	10	.....	e.	rain	rain	long	wsw.	cloudy.
Bk. Galeon, Barbadoes, W. I†	30.10	764.5	78	25.6	.....	e.	.....	.....	3	.....	2	.....	e.	0	0	.....	.....	blue sky.
S. Hedwig, N. 38° 48′, E. 18° 34′	29.87	758.8	61.2	16.2	90	sw.	.....	.....	4	.....	1	.....	wnw.	0	0	1	w.	fine.
Bk. Hattie G. McFarland, N. 29° 08′, W. 87° 54′	.....	.....	72	22.2	.....	ese	.....	.....	2	.....	10	.....	w.	10 h'r	10 h'r	r'gh	se.	stormy.
S. Henry, N. 39° 20′, E. 18° 52′	.....	.....	59.9	15 5	.....	ssw.	.....	.....	3	4 cs	.....	.....	.....	.....	.....	2-3	ssw.	hazy.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	95	35.0	.....	ssw.	.....	.....	3	.....	2	.....	wsw.	5 h'r	5 h'r	.....	.....	clear.
Schr. Jennie N. Huddell, Philadelphia, Pa	.....	.....	58	14.4	.....	wnw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.07	763.8	.....	.....	.....	se.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. John Welsh, jr, Ponce, Porto Rico, W.I†	30.05	763.3	.....	.....	.....	nne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, N. 21° 21′, W. 83° 50′ *†	30.04	763.0	.....	.....	.....	se.	.....	.....	5	.....	.....	.....	se.	0	0	mod.	se.	fine.
Schr. Jenny Greenbank, N. 20° 10′, W. 71° 40′ *	30.11	764.8	78	25.6	.....	ene.	.....	.....	3	.....	3	.....	ene.	0	0	sm'h	.....	clear.
Schr. Jenny R. Morse, Darien, Ga†	30.08	764.0	.....	.....	.....	e.	.....	.....	2	.....	10	.....	e.	.....	.....	.....	.....	light rain.
S. S. Mendoza, N. 28° 29′, W. 65° 30′	.....	.....	.....	.....	.....	nnw.	.....	.....	3	.....	.....	.....	nnw.	0	0	long	nnw.	overcast.
Schr. Martinique, N. 26° 19′, W. 55° 40′	.....	.....	.....	.....	.....	wsw.	.....	.....	6	.....	6	.....	sw.	h'vy	h'vy	r'gh	ssw.	rainy.
Schr. Norena, N. 26° 10′ W. 65° 40′ †	30.10	764.5	.....	.....	.....	nnw.	.....	.....	3	.....	7	.....	nne.	0	0	light	nw.	clear.
Bg. Rising Sun, N. 7° 25′, W. 57° 55′	.....	.....	80	26.7	.....	ene.	.....	.....	3	.....	3	.....	ene.	0	0	mod.	ene.	
Bk. Rosalie, N. 20° 38′, W. 39° 03′ *†	30.17	766.3	.....	.....	.....	e.	.....	.....	3	.....	0	.....	.....	0	0	light	nw.	clear.
Bkt. Rosebud, N. 22° 03′, W. 22° 24′ *	30.14	765.5	70	21.1	.....	n.	.....	.....	2	.....	2	.....	nw.	0	0	.....	.....	flue.
S. Salisbury, N. 40° 04′, W. 21° 00′	29.82	757.3	55.0	12.8	81	nnw.	.....	.....	8	.....	6 ks	.....	nnw.	0	0	h'vy	nw.	fair.
Bk. Saga, N. 40° 28′, W. 33° 50′ †	29.95	760.8	62.5	16.9	.....	.....	.....	.....	5	.....	6	.....	.....	0	0	7	.....	foggy.
Bgt. Sunlight, N. 40° 00′, W. 72° 52′	.....	.....	.....	.....	.....	nnw.	.....	.....	4	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. Stephen D. Horton, N. 39° 22′, W. 67° 00′	.....	.....	.....	.....	.....	nnw.	.....	.....	3	.....	3	.....	nnw.	3 h'r	3 h'r	mod.	nnw.	fair.
Bk. Silica, N. 61° 00′, W. 50° 30′ *	29.62	752.3	.....	.....	.....	se.	.....	.....	2	.....	10	.....	.....	rain	rain	sm'h	.....	overcast.
Bg. Teneriffe, N. 33° 00′, W. 74° 20′	30.20	767.1	.....	.....	.....	ne.	.....	.....	1	.....	1	.....	ne.	0	0	.....	.....	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I †	30.10	764.5	76	24.4	.....	ene.	.....	.....	4	.....	1	.....	calm	0	0	.....	.....	clear.
Schr. John Bracewell, N. 41° 32′, W. 70° 34′ †	30.04	763.0	38	3.3	.....	nnw.	.....	.....	3	.....	1	.....	.....	0	0	.....	.....	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 33° 53′, E 18° 23′	30.17	766.3	63	17.2	78	wsw.	8	3.6	.....	.....	2	.....	calm	0.13	3.3	long	w.	fair.
U. S. S. Shenandoah, S. 50° 23′, W. 67° 08′ *	29.49	749.0	50	10.0	93	se.	.....	.....	2	.....	10	.....	calm	.....	.....	sm'h	.....	overcast.
H. M. S. Amethyst, Montevideo, Uruguay	29.88	758.9	66	18.9	74	n.	.....	.....	2	.....	3	s.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.74	755.4	63	17.2	.....	calm	.....	.....	0	.....	3	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, S. 39° 16′, W. 9° 18′	30.21	767.3	60.2	15.7	88	nnw.	.....	.....	2-4	.....	9	nnw.	.....	.....	.....	3	nnw.	d. clouds.
Bk. Achille F., S. 25° 15′, W. 41° 15′ *†	30.28	769.1	74	23.3	81	se.	.....	.....	4	.....	6	.....	s.	0	0	.....	ssw.	
Bk. Bore, S. 19° 07′, W. 36° 29′ *†	30.25	768.3	85	29.4	.....	ese.	.....	.....	4	.....	2	.....	se.	3 h'r	3 h'r	sm'h	e.	clear.
S. Frank N. Thayer, S. 34° 33′, W. 18° 08′ *	30.17	766.3	71	21.7	80	n.	.....	.....	5	0	3 s	.....	.....	0	0	light	ene.	d. clouds.
S. Gatherer, S. 39° 04′, W. 48° 30′ †	30.18	766.6	68	20.0	95	nnw.	.....	.....	5	.....	5	.....	w.	0	0	mod.	sw.	fair.
Bkt. Levanter, S. 1° 44′, W. 35° 35′	30.01	762.2	86	30.0	.....	ne.	.....	.....	1	.....	2	.....	e.	0	0	long	e.	clear.
S. Ringleader, S. 17° 30′, W. 32° 15′ †	30.00	762.0	85	29.4	64	ese.	.....	.....	5	.....	2	.....	ese.	0	0	mod.	se.	fine.
S. S Archimedes, (Br.) S. 32° 47′, W. 51° 18′	30.13	765.3	.....	.....	.....	ne.	.....	.....	4	.....	0	.....	.....	0	0	light	ne.	light haze.
Bk. Xenia, S. 28° 18′, W. 25° 54′ *†	30.28	769.1	78	25.6	.....	ne.	.....	.....	2	.....	4	.....	calm	0	0	mod.	ene.	clear.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.87	758.8	77.9	25.5	66	wnw.	.....	.....	2	.....	1	.....	.....	0	0	1	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, N. 57° 20′, W. 135° 20′ †	29.59	751.6	38	3.3	72	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	fair.
U. S. Naval Hospital, Yokohama, Japan	30.26	768.6	57	13.9	81	sw.	.....	.....	1	.....	2	.....	w.	0	0	.....	.....	clearing.
U. S. S Alert, Shanghai, China	30.21	767.3	57	13.9	94	e.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 8° 55′, E. 165° 33′	29.90	759.4	78	25.6	91	nne.	.....	.....	1	.....	5	ene.	.....	.....	.....	sm'h	.....	fair.
U. S. S. Juniata, Fernande Island, Corea	30.20	767.1	44	6.7	91	sw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Monocacy, Canton, China	29.94	760.5	69	20 6	90	calm	.....	.....	0	.....	5	.....	light	light	.....	.....	.....	fair.
U. S. S. Richmond, N. 14° 15′, E. 112° 57′	29.94	760.5	81	27.2	78	sse	.....	.....	3	.....	2	.....	sw.	0	0	sm'h	.....	clear.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.16	766.1	59	15.0	88	ene.	.....	.....	2	.....	10	e.	.....	.....	.....	1	.....	overcast.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 42′	30.09	764 3	55.8	13.2	91	nne.	.....	.....	2	.....	10	.....	.....	20 h'r	20 h'r	.....	.....	squally.
H. P. M. S. Tamega, Macao, China	29.98	761.4	68.9	20.5	86	calm	.....	.....	0	.....	7	.....	.....	.....	.....	.....	.....	misty.
U. S. S. Palos, Shanghai, China	30.16	766.1	52	11.1	100	ene.	.....	.....	1	.....	10	.....	calm	0	0	light	wnw.	cloudy.
S. S. Newbern N. 22° 56′, W. 110° 08′	.....	.....	64	17.8	94	nw.	.....	.....	3	.....	2	.....	nw.	0	0	light	wnw.	clear.
S. S. Arabic, N. 22° 30′, W. 155° 38 *†	29.76	755.9	76	24.4	91	sw.	.....	.....	3	.....	10	.....	sw.	rain	rain	mod.	wnw.	raining.
S. S. City of Chester, Eureka, Cal†	29.80	756.9	47	8.3	92	e.	.....	.....	2	.....	10	.....	.....	hv'y	hv'y	.....	.....	
S. S. Willamette, N. 39° 24′, W. 124° 10′ †	29.83	757.7	50	10.0	86	nw.	.....	.....	1	.....	8	.....	nw.	0.08	2.0	long	w.	raining.
S. S. State of California, N. 38° 37′, W. 124° — *†	29.83	757.7	49	9.4	94	nw.	.....	.....	1	.....	4	.....	nw.	0	0	mod.	s.	fair.
S. S. City of Pekin, N. 39° 05′, E. 150° 35′ †	30.53	775.4	53	11.7	67	s.	.....	.....	4	.....	5	.....	s.	0	0	light	e.	fair.
S. S. City of Rio de Janeiro, N. 30° 26′, E. 178° 56′ †	30.43	772.9	60	15.6	.....	n.	.....	.....	4	.....	8	.....	n.	.....	.....	small	nnw.	cloudy.
S. S. City of Sydney, N. 12° 51′, W. 161° 11′ *†	29.84	757.9	77	25.0	91	nne.	.....	.....	2	8 ck	.....	nne.	.....	.....	.....	light	ene.	cloudy.
S. S. Colima, N. 15° 06′, W. 93° 30′ †	29.99	761.7	81	27.2	78	e.	.....	.....	2	.....	5?	.....	e.	0	0	sm'h	sw.	cloudy.?
S. S. Granada, N. 20° 53′, W. 105° 56′ †	29.92	760.0	73	22.8	76	nnw.	.....	.....	2	.....	0	.....	.....	0	0	light	nnw.	clear.
S. S. San Blas, Panama, Panama †	29.95	760.7	76	24.4	100	n.	.....	.....	3	.....	6	.....	sw.	0	0	.....	.....	fair.
S. S. Benalder, N. 20° 45′, E. 113° —	30.00	762.0	78	25.6	86	ese.	.....	.....	2-3	.....	4	.....	var.	4 h'r	4 h'r	.....	.....	fair
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 17° 25′, W. 72° 16′	30.03	762.7	69	20.6	90	e.	.....	.....	2	.....	10	.....	se.	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.93	760.2	71	21.7	90	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao, Peru *†	30.05	763.3	71	21.7	95	s.	.....	.....	2	.....	10	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	30.07	763.8	60	15.6	88	ne.	.....	.....	1	.....	10	.....	n	.....	.....	.....	.....	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	30.00	762.0	60	15.6	87	ene.	.....	.....	1	.....	10	.....	.....	.....	.....	long	nw.	overcast.
H. M. S. Nelson, Sydney, N.S.W	30.27	768.8	66	18.9	95	nne.	.....	.....	1	.....	3	nne.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, S. 29° 55′, W. 71° 20′	30.02	762.5	54	12.2	.....	e.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, Sydney, N.S.W *	30.16	766.1	70	21.1	70	.....	.....	.....	3	.....	4	.....	e.	0	0	.....	.....	
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 6° 22′, E. 79° 55′	29.89	759.2	85	29.4	88	ssw.	.....	.....	3	.....	8	.....	.....	.....	.....	sm'h	.....	cloudy.
H. M. S. Euryalus, Massuah, Abyssinia	29.70	754.4	87	30.6	76	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S. 10° 40′, E. 77° 32′	29.90	759.4	83.4	28.6	71	e.	.....	.....	1	.....	0	.....	.....	.....	.....	4	ese.	blue sky.
H. M. S. Myrmidon, Sunkin, Egypt	29.76	755.9	81	27.2	91	ene	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Bracadale, N. 15° 19′, E. 42° 00′	.....	.....	87	30.6	.....	sse.	.....	.....	7	.....	0	.....	.....	.....	.....	high	sse.	clear.
Bk. Childwall, off Kingston, N.S.W*.	29.79	756.7	70	21.1	75	nnw.	.....	.....	6	.....	.....	.....	nnw.	0	0	.....	.....	flue.
S. J. W. Gildemeister, S. 19° 53′, E 74° 23′	29.96	761.0	79.3	26.3	80	calm	.....	.....	0	c	9 km	.....	w.	0	0	3	ese.	overcast.
Bk. Nouva Margherita, S. 13° 18′, E. 103° 34′ *†	29.77	756.1	.....	.....	.....	ese.	.....	.....	1	.....	.....	.....	.....	rain	rain	r'gh	sw.	cloudy.
S. Orealia, N. 17° 18′, E. 85° 40′ *	29.85	758.2	.....	.....	.....	s.	.....	.....	5	.....	5	.....	s.	0	0	mod.	sw.	fair.
S. S. Lepanto, N. 13° 28′, E. 46° 57′	29.84	757.9	82	27.8	.....	e.	.....	.....	5	.....	4	.....	e.	0	0	mod.	e.	hazy.

International Chart I. April 12, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 13, 1884,

7 A. M., Washington Mean Time.

STATIONS.	BAROMETER.				Temperature of the air.		Relative humidity.	WIND.				CLOUDS.				Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Corrected for instrumental error and for temperature.		Reduced to sea-level.					Direction.	Velocity.		Force.	Amount and kind.		Direction.					
												Upper.	Lower.	Upper.	Lower.				
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Kemours	.....	.....	29.76	755.8	61.2	16.2	77	se.	.....	.....	1	.....	10	.....	.....	0.512	13.0	covered.....	Rosiere.
Algiers	.....	.....	29.75	755.6	80.6	27.0	20	w.	.....	.....	3	.....	0	.....	.....	0.098	2.5	clear.....	**Théve.**
La Calle	.....	.....	29.84	757.9	80.2	26.8	48	ssw.	.....	.....	7	.....	1	.....	.....	0	0	very fair.....	Fonfrède.
Tunis	.....	.....	29.87	758.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.84	757.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Forfert.**
Leghonat	.....	.....	29.90	759.4	83.5	28.6	.....	ne.	.....	.....	6	.....	0	.....	.....	0	0	clear.....	Abraham.
Biskra	.....	.....	29.89	759.2	76.6	24.8	52	calm	.....	.....	0	.....	0	.....	.....	0	0	clear.....	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	29.97	761.2	69.3	20.7	74	nw.	12	5.4	.....	.....	10s;ks	.....	.....	0	0	threatening	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.84	757.9	30.03	762.7	65.5	18.6	73	n.	10	4.5	.....	.....	0	.....	.....	0	0	clear.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.94	760.5	30.04	763.0	65.0	18.3	67	nne.	3	1.3	.....	.....	3	.....	.....	0	0	fine.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.40	746.7	29.94	760.4	63.1	17.3	30	sw.	.....	.....	5	.....	7	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.08	738.6	29.83	757.7	62.2	16.8	48	e.	8.7	3.9	.....	.....	5	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	29.02	737.2	29.89	759.1	61.5	16.4	51	calm	.....	.....	0	2 cs	s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.63	727.3	29.85	758.3	61.9	16.6	47	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.50	723.9	29.91	759.7	59.7	15.4	54	ne.	.....	.....	3	.....	5	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.50	723.9	29.84	757.9	54.9	12.7	81	se.	.....	.....	1	.....	7	.....	.....	0	0	.....	The Staff.
Lemberg	28.95	735.3	29.92	760.0	59.4	15.2	46	se.	.....	.....	1	.....	6	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.86	758 5	29.97	761.3	61.7	16.5	70	sw.	.....	.....	1	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.42	747.2	.....	.....	63.3	17.4	45	w.	.....	.....	2	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.65	753.1	29.93	760.1	60.4	15.8	59	s.	.....	.....	1	.....	4	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.92	759.9	30.02	762.4	59.9	15.5	57	nw.	.....	.....	1	.....	1	.....	.....	0	0	.....	Royal Academy.
Vienna	29.14	740 2	29.84	757.9	63.7	17.6	41	se.	.....	.....	2	.....	6	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	52.5	11.4	62	ese.	.....	.....	2	.....	2	.....	.....	0	0	.....	.....
Brussels	29.76	756.0	29.97	761.2	50.2	10.1	54	nnw.	.....	.....	2	4	2	nne.	nne.	0	0	.....	.....
Furnes	30.02	762.4	30.04	762.9	48.2	9.0	70	ne.	.....	.....	2	.....	8	.....	.....	0.055	1.4	.....	.....
Maeseyck	29.84	757.9	29.97	761.1	52.9	11.6	66	n.	.....	.....	2	.....	7	.....	.....	0	0	foggy.....	.....
BRITISH.																			
Aberdeen	30.16	766.1	30.26	768 6	44.1	6.7	98	n.	16	7.2	.....	.....	10	.....	.....	0.020	0.5	showery.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.16	766.1	46.0	7.8	80	n	15	6.7	.....	.....	6	.....	.....	.....	.....	d. clouds.....	John Hartnup.
Bolton, Sharples	29.57	751.1	30.12	765.0	45.1	7.3	70	ne.	25	11.2	.....	.....	7	.....	.....	.....	.....	d. clouds.....	Thomas Mackereth.
Bradford, Yorkshire	29.70	754.4	30.10	764.5	44.4	6.9	86	se.	.....	.....	4	.....	10	.....	.....	0	0	overcast.....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	30.02	762 5	30.05	763.3	79.0	26.1	80	ne.	.....	.....	4	.....	3	.....	.....	.....	.....	d. clouds.....	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E	29.85	758.2	30.02	762.5	46.7	8.2	66	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	gloomy.....	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.85	758.2	30.08	764.0	49.3	9.6	58	ene.	.....	.....	3	.....	5	.....	.....	.....	.....	d. clouds.....	The Staff.
Fort Napier, Natal	27.71	703.8	30.02	762.5	71.2	21.8	56	ne.	.....	.....	1	.....	3	.....	.....	.....	.....	blue sky.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	29.63	752.6	29.86	758.4	84.0	28.9	75	sw.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds.....	J. W. Smith.
Galway, Queen's College	30.17	766.3	30.21	767.3	51	10.6	52	ne.	.....	.....	2	.....	3	.....	.....	0	0	d. clouds.....	Wm. Ryan.
Gibraltar, Mediterranean	29.67	753.6	29.77	756.1	62.2	16.8	94	sw.	.....	.....	4	.....	8	.....	.....	.....	.....	gloomy.....	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.87	758.7	30.04	763.0	46.8	8.2	68	nne.	.....	.....	1	.....	9	.....	.....	.....	.....	cloudy.....	The Staff.
Guernsey	29.72	751.9	30.02	762.5	49.8	9.9	73	nne.	.....	.....	3	.....	7	.....	.....	0	0	d. clouds.....	A. Collenette, F.R.M.S.
Kew, Observatory	30.02	762.5	30.06	763.5	46.1	7.8	63	n.	10	4.5	.....	.....	8	.....	.....	.....	.....	threatening	The Staff.
Leicester, Museum	29.82	757.4	30.08	764.0	46.0	7.8	73	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	J. C. Smith.
Malta, Mediterranean	.....	.....	.....	.....	63.0	17.2	64	sw.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.06	763.5	30.10	764.5	80.0	26.7	74	s.	.....	.....	2	.....	5	.....	.....	.....	.....	d. clouds.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.83	757.7	30.06	763.5	48.0	8.9	61	n.	.....	.....	4	.....	9	.....	.....	.....	.....	d. clouds.....	The Staff.
Plymouth	29.99	761.7	30.06	763.5	49.8	9.9	53	ene.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds.....	John Merrifield.
Sandwick Manse, Orkneys	30.21	767.3	30.31	769.9	43.8	6.6	78	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.74	755.4	29.81	757.2	49.2	9.6	90	nne.	.....	.....	2	.....	10	.....	.....	.....	.....	drizzling.....	W. H. Lyne.
Sheffield	29.84	757.9	30.12	765.0	47.5	8.6	74	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast.....	W. F. Cooper.
Silloth Rectory	30.16	766.1	30.19	766.8	46.2	8.2	80	ne.	.....	.....	4	.....	7	.....	.....	0	0	d. clouds.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.16	766.1	46.9	8.3	77	ne.	8	3.6	.....	.....	10	.....	.....	0.007	0.2	overcast.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	51.7	10.9	69	n.	.....	.....	1.5	.....	8	.....	.....	.....	.....	d. clouds.....	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	30.19	766.8	30.22	767.6	51.0	10.9	58	nne.	14	6.3	.....	.....	2	.....	.....	.....	.....	misty.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.62	752.3	30.01	762.2	64.1	17.8	62	e.	10.6	4.7	.....	0	0	.....	.....	0	0	clear.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.84	757.9	29.95	760.7	67.2	19.6	96	e.	12	5.4	.....	.....	3 k	.....	.....	0	0	d. clouds.....	The Staff.
CANADIAN.																			
Bathurst, N. B	29.80	756.9	29.84	757.9	32.0	0.0	.....	calm	0	0	.....	5 c	0	w.	.....	0	0	d. clouds....	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.09	754.1	29.74	755.4	34	1.1	68	n.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy.....	H. J. Cundall, C. E.
Chatham, N. B*	29.76	755.9	29.83	757.7	33	0.6	81	se.	1	0.4	.....	3 c	4 k	se.	se.	0	0	fair.....	G. A. Blair.
Cornwall, Ontario	29.90	759.4	30.10	764.5	32.0	0.0	75	n.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	Jas. Smith, M. A.
Dalhousie, N. B	29.78	756.4	29.83	757.7	36.5	2.5	.....	w.	.....	.....	2	0	0	.....	.....	0	0	blue sky.....	H. A. Johnson.
Father Point, Quebec	29.89	759.2	29.92	760.0	33	0.6	85	n.	30	13.4	.....	0	2 n	.....	n.	0	0	clear.....	J. McWilliams
Fort Garry, Manitoba*	28.89	733.8	29.73	755.1	37	2.8	92	se.	17	7.6	.....	.....	10 s	.....	se.	0.01	0.3	cloudy.....	James Stewart.
Fredericton, N. B	29.83	757.7	29.90	759.4	35.1	1.7	62	nw.	10	4.5	.....	0	0	.....	.....	0	0	blue sky.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.83	757.7	29.88	758.9	39	3.9	59	nw.	12	5.4	.....	2 k	0	nw.	.....	0	0	light haze...	J. Chipman Seeley
Granton, Ontario	28.99	736.3	30.13	765.3	34.0	1.1	100	ne.	2	0.9	.....	0	0	.....	.....	0	0	blue sky.....	Jas. Grant.
Halifax, N. S*	29.66	753.4	29.79	756.7	41	5.0	50	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear.....	A. Allison.
Hamilton, Ontario	29.09	734.1	30.11	764.8	40.0	4.4	82	nw.	.....	.....	1	4 c	0	nw.	.....	0	0	d. clouds....	Geo. Dickson, B. A.
Kingston, Ontario*	29.80	756.9	30.15	765.8	34	1.1	79	n.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	A. P. Knight, M. A
Little Glace Bay, N. S	29.68	753.9	29.70	754.4	32.0	0.0	87	ne.	.....	.....	1	0	0	.....	.....	0	0	d.clouds....	C. H. Rigby.
London, Ontario	29.19	741.4	30.13	765.3	35.3	1.8	67	e.	.....	.....	1	0	7 ks	.....	.....	0	0	d. clouds...	E. B. Reed.
Medicine Hat, N. W. T	27.17	690.1	29.42	747.3	42	5.6	96	se.	10	4.5	.....	0	0	.....	.....	0	0	blue sky.....	John Ewart.
Minnedosa, N. W. T	27.67	702 8	29.03	752.6	34	1.1	100	se.	8	3.6	.....	.....	fg.	.....	.....	0.04	1.0	dense fog....	Rev. J. M. Wellwood.
Montreal, Quebec*	29.92	760 0	30.14	765 5	32	0.0	62	n.	14	6.3	.....	0	0	.....	.....	0	0	clear.....	C. H. McLeod C. E.
Ottawa, Ontario	29.93	760.2	30.16	766.1	30.2	— 1.0	67	nnw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky.....	A. McGill, M. A.
Parry Sound, Ontario	29.44	747.8	30.17	766.3	28	— 2.2	88	e.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	Rev. R. Mosley.
Peterboro, Ontario	29.38	746.2	30.14	765 5	35.7	2.1	68	e.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	Wm. O'Connor, M.A.
Port Arthur	29 32	744.7	30.04	763.0	35	1.7	79	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.38	746.2	30.11	764.8	33	0.6	80	n.	8	3.6	.....	5 k	0	n.	.....	0	0	fair.....	..... Morgan
Port Stanley, Ontario	29.42	747.3	30.08	764 0	37	2.8	61	e.	10	4.5	.....	hz	0	.....	.....	0	0	hazy.....	M. Payne.
Qu Appelle, N. W. T	27.29	693 2	29.55	750.6	40	4.4	.....	ne.	5	2.2	.....	1 ck	3 k	.....	ne.	0	0	fair.....	Leslie Gordon.
Quebec, Quebec*	29.68	753 9	30.05	763.3	34	1.1	92	w.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	Capt. A. Ha, R. N.
Rockliffe, Ontario	29.75	755.6	30.23	767.8	28	— 2.2	80	e.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	W. H. McIntyre.
St. Andrews, N. B	29.82	757 4	29.88	758 9	37	2.8	71	nw.	6	2.7	.....	0	0	.....	.....	.....	.....	clear.....	.....
St. John, N. B	29.68	753.9	29.83	757 7	35.5	1.9	65	nw.	16	7.2	.....	0	2 k	.....	.....	inap.	inap.	blue sky.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.69	754.0	35.6	2.0	.....	nw.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Simcoe, Ontario	29.37	746.0	30.11	764.8	37	2.8	96	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	.....
Stratford, Ontario	28.80	731.5	30.12	765.0	36.0	2.2	68	e.	1.6	0.7	.....	0	0	.....	.....	0	0	blue sky.....	W. McBride, M.A

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
CANADIAN.—Continued.																			
Sydney, C. B*	29.66	753.4	29.72	754.9	32	0.0	81	calm	0	0		8 k	0	w.		0	0	fair	T.C.Hill, C.E.
Toronto, Ontario*	29.75	755.6	30.15	765.8	36	2.2	58	ne.	12	5.4		0	1 s			0	0	clear	Magnetic Observatory.
Woodstock, Ontario	29.04	737.6	30.15	765.8	32.4	0.2	76	ne.	6.0	2.7		2 c	0	n.		0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.82	757.4	29.89	759.2	39	3.9	73	nw.	17	7.6		0	0			0	0	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.16	766.1	30.19	766.8	65.0	18.3	94	ssw.				0	0			0	0	clear	I. Garfelt.
Cape Town, The Castle	30.08	764.0			67.0	19.4	60	nw.				0	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.88	708.1			79	26.1	41									0	0		J T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					54.5	12.5	85	w.			2	8 c		w.		0.039	1.0	fair	Leon Herrera.
Valparaiso	30.11	764.9	30.26	768.5	57.9	14.4	89	e.			1	0	0			0	0	clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.14	765.5	30.16	766.1	54.0	12.2	82	ene.	5.6	2.5			10			0	0	covered	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.89	759 2	29.94	760.4	45.1	7.3	83	ne.	9	4			8						Oversergent Fischer.
Fanöe	29.97	761.1	29.98	761.6	45.3	7.4	76	nw.			4		8						Overloerer Lauridsen.
Godthaab, Greenland	29.73	755.2	29.78	756.3	38.8	3.8	77	calm			0		10						S. Kleinschmidt.
Ivigtut, Greenland	29.60	751.9	29.62	752.4	48.6	9.2		s.			2		10						
Stykkisholm, Iceland	30.29	769.4	30.34	770.5	48.6	9.2	72	s.			4		5						A. O. Thoriacius.
Thorshavn	30.33	770.3	30.35	770.9	45.1	7.3	74	n.	16	7			8						Overloerer Bergh.
Upernavik, Greenland	30.03	762.7	30.08	763.9	0.5	−17.5		calm			0		8					snowing	
Vestervig	29.89	759.3	29.98	761.6	43.5	6.4	81	nw.			4		6						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.74	755.4			76.1	24.5		sw.	5.4	2.4		0	0			0	0		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School																			M. Laroque, Director.
Alençon, Normal School	29.42	747.2	29.97	761.2	46.4	8.	74	ne.			1		8 l.		sw.	0	0	very cloudy	M. Nicot, Director.
Arras, Normal School	29.76	755.8	30.00	762.0	50.4	10.2	71	ne.			4		5	s.	s.	0	0	cloudy	M. Ungerer, Director.
Avignon, Normal School	29.80	757.0	29.88	759.0	66.6	19.2	39	se.			1		10			0	0	covered	M. Giraud, Director.
Bar-sur-Seine	29.30	744.3	29.85	758.3	57.7	14.3	55	se.			1		8			0	0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.71	754.5	29.98	761.4	50.7	10.4	50	ne.			2		8		ne.	0	0	very cloudy	M. Frere Eugène Marie.
Besançon, Normal School	28 87	733.4	29.79	756.7	64.8	18.2	43	ese.			1					0	0		M. Gobin, Director.
Bordeaux, Observatory	29.52	749.8	29.78	756.4	50.7	10.4	94	ese.			1		10			0.276	7.0	raining	M. Rayet, Director.
Bourges, Normal School	29.24	742.7	29.76	755.8	55.4	13.	68	w.			2		5		w.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.78	756.4	30.02	762.6	52.2	11.2	73	ne.			4		8		ne.	0	0		M. de Kermaree, Dir.
Caen, Normal School	29.86	758.4	29.93	760.3	52.7	11.5	90	ne.			1		5		ne.	0	0	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.56	750.7	29.87	758.8	57.6	14.2	65	ne.			1		5		ne.	0	0	cloudy	M. Jadot, Director.
Charleville, Normal School	29.39	746.6	29.91	759.8	55.4	13.0	87	sw.			1		5			0	0	½ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.43	722.2	29.76	755.8	62.6	17.0	24	n.			1		10			0	0		M. Alluard, Director.
Cluny, Normal School	28.95	735.4	29.79	756.6	66.9	19.4	31	ne.			1		8		s.	0	0		M. de Villemonté, Dir.
Commercy, Normal School	29.06	738.1	29.89	759.2	54.5	12.5	71	ne.			1	ck		ne.	ne.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.35	694.6	29.83	757.7	62.6	17	26	n.			4		8 n			0	0		M. Jarach, Director.
Grenasque, du Rhone	28.74	730.1	29.85	758 1	64.9	18.3	39	se.			4		7		se.	0	0		M. Kina, Director.
Grenoble. Normal School	29.00	736 6	29.79	756.6	64.0	17.8	39	wnw.			1		8		sw.	0	0		M. Ablard, Director.
Guéret, Normal School	28 22	716.8	29.80	756.9	58.6	14.8	44						n			0	0		M. Delorme, Dir.
Lambaile Normal School	29.68	753.8	29.95	760.8	52.5	11.4	63	ene.			4	2 c			ene.	0	0	slightly cl'dy	M. Polipre, Dir.
Lescar, Normal School	29.20	741.6	29.74	755.4	59.0	15.0	72	w.			1		10			0.110	2.8	covered	M. Chauvin, Director.
Lorient, Naval Observatory	29.83	757.6	29.93	760.2	56.1	13.4	73	ne.			3		10		ne.	0	0	covered	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28.76	730 4	29.79	756.7	63.1	17.3	26	s.			2		10 kn			0	0	covered	M. André, Director.
Mans, Normal School	29.64	752.8	29.95	760.7	51.6	10.9	68	e.			4		10			0	0	covered	M. Richard, Director
Marseille, Observatory	29.60	751.8	29.86	758.5	69.8	21.0	41	se.			4		7		se.	inap.	inap.		M. Stephan, Director.
Montlouis	24.59	624.5	29.43	747.5	42.4	5.8	65	ne.	7.4	3.3			9	ne.		0.327	8.3		M. Cave for Dr. Fines.
Montpellier, Normal School	29.74	755.5	29.85	758.3	56.5	13.6	93	sse.			4		5	se.				sprinkling	M. Galzin, Director.
Nancy, Normal School	29.05	737.9	29.84	757.9	53.2	11.8	69						n			0	0		M. Hasse, Director.
Nantes, Observatory	29.76	755.8	29.92	759.9	53.8	12.1	59	ne.			1–2		10			0	0		M. Larocque, Director.
Perpignan, Observatory	29.74	755.4	29.85	758.2	55.4	13.0	86	se.	3.8	1.7			10		sse.	0.016	0.4		Dr. Fines, Director.
Pic-du-Midi, Summit	20.98	533.0			30.6	− 0.8		sw.			1				sw.	0.079	2.0	foggy	M. Vaussenat, Director.
Privas, Normal School	28 81	731 7	29.86	758 4	61.5	16.4	32	s.			1		0			0	0	clear	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.98	634.4			43.0	6.1	53	e.			2		10			0	0	foggy	M. Alluard.
Rochefort, Naval Obs'y	29.80	757.0	29.84	757.8	54.7	12.6	66	ene.			1		10		ene.			raining	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.67	753.5	29.88	756.9	53.2	11.8	67	ne.			6				ne.	0	0		M Brothier, Director.
Rodez, Normal School	27.69	703.2	29.87	758.6	51.8	11	85	se.			4		10		nw.	0.04	1.	covered	M. Seger, Director.
Rouen, Normal School	29.95	760 6	29.99	761 8	51.8	11	73	nw.			4		5		nw.	0	0	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.78	756 3	29.94	760.5	51.8	11.0	54	ne.			2				w.	0	0		M. Renou, Director.
Toulouse, Observatory	29.09	738.9	29.81	757.2	54 7	12.6	87	sse.			6		10	se.		0	0	covered	M. Baillaud, Director.
Tours	29.70	754.3	29.88	758 9	56.1	13.4	57	ne.			1		8	ne.	ne.	0	0	covered	M. de Tastes.
Versailles, Observatory	29.45	748.0	29.94	760.5	51.8	11.0	54	ne.			2		10			0	0	covered	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.61	752.2	29.76	756.0	58.1	14.8	86	ne.	9.8	4.4			10 kn		e.	0.087	2.2		M. Carlier, Director.
GERMAN.																			
Ansbach	28.42	721.9	29.86	758.4	55.0	12.8	50	n.			2		6	n.		0	0		Prof. Jnedt.
Bamberg	29.02	737.2	29.86	758.5	48.7	9.3	70	e.			1		6 ks			0.020	0.5		Prof. Dr. Hoh.
Berlin	29.71	754.5	29.85	758.2	45.0	7.2	86	ne.			1		10			0.035	0.9	raining	Meteorological Institute
Breslau	29.34	745.3	29.87	758.7	61.3	16.3	46	sse.			2		10			0	0		Royal University Obs'y
Carlsruhe	29.40	746 8	29.85	758.3	57 6	14.2	58	nne.			1		10	sw.		0	0		Albert Senz.
Cassel	29.18	741.2	29.89	759.3	45.3	7.4	74	nw.			4		8	n.		0 016	0.4		Dr. H. Möhl.
Frankfort-on-the-Main	29.52	749.8	29.88	759.0	57.6	14.2	55	nne.			1		9			0	0		Physical Society.
Friedrichshafen	28.43	722.0	29.83	757.6	56.5	13.6	53	sw.			2		3	sw.		0	0		Wilhelm, Chief Tel.
Hamburg	29.87	758.6	29.99	760.9	44.2	6.8	77	ane.			1		10			0.354	9.0	raining	E. Preiter.
Kiel	29.93	760.2	29.95	760.6	46.4	8.0	73	nne.			2		6			0.252	6.4		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.43	747.4	29.85	758.1	51.4	10.8	76	nnw.			2		10	nw.				sprinkling	H. Leppig, Asst.
Magdeburg	29.69	754.0	29.87	758.7	45.5	7.5	90	n.			2		10			0.150	3.8	raining	Weather Observatory.
Memel	29.95	760.7	30.00	761.9	37.4	3.0	93	nnw.			7	9 ck							Issermann.
Munich	28.02	711.8	29.87	758.8	60.6	15.9	44	calm			0		5	sw.		0	0		Central Station.
Neufahrwasser	29.94	760.5	29.97	761.2	43.2	0.2	87	ne.			2		10			0.028	0.7		A. Lothes.
Neustadt, Palatinate	29.34	745.2	29.86	758.5	56.8	13.8	58	ne.			2		10			0.043	1.1		Prof. Dicknether.
Stuttgart	28 87	733.3	29.75	755 6	58.1	14.5	53	n.			1		7	n.		0.102	2.6		Dr. L. Meyer.
Wustrow	29.89	759.1	29.91	759.7	47.3	8.5	67	ne.			2		10 s			0	0		Profs. Brandes & Reimar
GREEK.																			
Athens	29.52	749 8	29.90	759.4	70.3	21.3		n.			2.0	5				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.84	757.9	29.89	759.2	86.0	30.0	49	wsw.	25.0	11.2			6			0	0	d. clouds	
Deesa	29.35	745.4	29.81	757.1	97.5	36.4	8	wnw.	12.0	5.4			0			0	0	blue sky	
Bombay	29.81	757.3	29.85	758.2	83.1	28.4	62	nw.	19.0	8.5			0			0	0	blue sky	
Poona, Yarrowda	27.97	710 4	29.76	756.0	95.9	35.5	12	wnw.	20.0	8.9			0			0	0	blue sky	
Trichinopoly	29.60	751.8	29.87	758 7	96.6	35.9	35	nw.	0.1	0.04			6	nne.	nne.	0	0	d. clouds	
Bellary	28.34	719 8	29.76	755.8	98.0	30.7	13	e.	4.0	1.8			4			0	0	d. clouds	
Belgaum	27.33	694.3	29.83	757 6	85.4	29.7	49	wsw.	7.0	3.1			4		n.	0.03	0.8	d. clouds	
Lahore	29.15	740 4	29.89	759 1	87.0	30.6	23	nw.	4.0	1.8			0			0	0	blue sky	
Goorkee	28.89	733.8	29.77	756.0	93.6	34.2	12	w.	3.0	1.3			c			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0-1-0	Clouds. Amount and kind. Upper. 0-10	Lower. 0-10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather	Observers.
INDIAN.—Continued.																			
Agra	29.23	742.5	29.78	756.4	98.1	36.7	34	w.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.75	730.2	29.76	755.8	98.5	36.9	18	calm	2.0	0.9	.....	.....	5	.....	sw.	0	0	d. clouds	
Jubbulpore	28.46	722.8	29.77	756.1	96.9	36.1	17	sw.	2.0	0.9	.....	.....	2	sw.	.....	0.01	0.3	d. clouds	
Lucknow	29.44	747.7	29.80	756.9	99.0	37.2	19	nnw.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Allahabad	29.41	747.0	29.71	754.7	96.7	35.9	22	calm	0	0	.....	.....	2	.....	.....	0	0	d. clouds	
Patna	29.55	750.5	29.72	755.0	100.5	38.1	26	wnw	4.8	2.2	.....	.....	2	wnw.	wnw.	0	0	.....	
Hazaribagh	27.78	705.7	29.74	755.4	90.7	32.6	20	calm	0	0	.....	.....	10	nw.	.....	0	0	d. clouds	
Cuttack	29.62	752.4	29.70	754.4	96.6	35.9	33	ene.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Calcutta, Alipore	29.74	755.5	29.76	756.0	87.8	31.0	47	wnw.	3.5	1.6	.....	.....	8	.....	w.	0	0	d. clouds	
Chittagong	29.75	755.6	29.84	757.8	82.5	28.1	81	sw.	5.7	2.6	.....	.....	2	.....	.....	0	0	d. clouds	
Sibsagar	29.42	747.3	29.76	755.9	79.8	26.6	76	sw.	2.0	0.9	.....	.....	6	w.	w.	0	0	d. clouds	
Jeypore	28.38	720.8	29.78	756.4	94.6	34.8	15	w.	5.6	2.5	.....	.....	0	.....	.....	0	0	blue sky	
Zanzibar	29.86	758.4	.....	.....	83.0	28.3	79	wsw.	4.2	1.9	.....	.....	3	.....	ene.	.....	.....	d. clouds	
ITALIAN.																			
Udine	29.57	751.0	29.97	761.3	64.6	18.1	42	sw.	4.3	1.9	.....	.....	4	.....	.....	0	0	.....	Prof. Giovanni Clodig.
Milan	29.45	747.9	29.96	760.9	65.3	18.5	36	e.	4.3	1.9	.....	.....	2	.....	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	29.86	758.4	29.97	761.1	63.5	17.5	45	sw.	6.3	2.8	.....	.....	1	s.	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	29.04	737.6	29.93	760 3	61.9	16.6	38	e.	4.9	2.2	.....	.....	3	ne.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.79	756.7	29.98	761.6	63.0	17.2	44	sw.	4.3	1.9	.....	.....	0	.....	.....	0	0	.....	Prof. G. M. Garibaldi.
Pesaro	29.91	759.6	29.95	760.8	59.5	15.3	65	e.	12.5	5.6	.....	.....	7	ssw.	.....	0	0	.....	Prof. Luigi Guidi.
Florence	29.70	754.3	29.95	760.7	64.4	18.0	44	ne.	.....	.....	2	.....	6	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	29.83	757.7	29.91	759.8	63.7	17.6	53	s.	3.8	1.7	.....	.....	6	.....	.....	0	0	.....	Prof. P. Monte.
Rome	29.82	757.4	29.99	761.8	66 0	18.9	42	sw.	3.8	1.7	.....	.....	6	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	29.71	754.0	29.96	760.9	62.1	16.7	54	nne.	13.6	6.1	.....	.....	4	nw.	.....	0.063	1.6	.....	Prof. C. de Giorgi.
Cosenza	29.04	737.5	29.92	760.0	61.5	16.4	77	w.	1.8	0.8	.....	.....	3	nw.	.....	0	0	.....	Prof. D. Conti.
Palermo	29.71	754.7	29.96	761 0	60.6	15.9	58	ne.	6.9	3.1	.....	.....	.....	.....	.....	0	0	.....	Prof. G. Caccialore
Syracuse	29.92	760.0	29.97	761.1	69.8	21.0	62	wnw.	4.3	1.9	.....	.....	4	wnw.	.....	0	0	.....	Sig. V. Giulio.
Sub-series.																			
Naples, Astron'l Obs'y	29.48	748.9	.....	.....	61.7	16.5	62	sse.	1.8	0.8	.....	.....	8	w.	.....	0	0	.....	Prof. F. Brioschi.
Stelvio	22.07	560.6	.....	.....	32.9	0.5	59	sw.	.....	.....	4	.....	0	.....	.....	0	0	clear	Prof. P. F. Denza.
Valdobbia	22.11	561.6	.....	.....	36.3	2.4	62	nw.	.....	.....	2	.....	6	.....	.....	0.315	8.0	misty	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.27	768.9	30.30	769 8	44.3	6.8	92	w.	.....	.....	2	.....	10 ks	.....	.....	0	0	cloudy	H. Hattori.
Awomori	30.24	768.1	30.28	769.1	39.0	3.9	93	w.	1.1	0.5	.....	.....	10s;ks	.....	.....	0	0	overcast	K. Ogawa.
Hakodate	30.25	768.3	30.26	768.6	38.7	3.7	94	nw.	3.0	1.3	.....	0	1 s	.....	.....	0	0	clear	Y. Souma.
Hammamatsu	30.08	764.0	30.18	766.5	54.0	12.2	99	calm	.....	.....	0	0	0	.....	.....	0.067	1.7	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.20	767.1	30.22	767.6	59.0	15.0	86	n.	5.7	2.6	.....	1 ck	0	n.	.....	0	0	clear	Y. Okamoto.
Kagoshima	30.17	766.4	30.19	766.7	62.8	16.9	85	ene.	.....	.....	2	.....	10 s	.....	.....	0	0	overcast	
Kanazawa	30.19	766.9	30.30	769.6	49.0	9.4	92	nne.	6.2	2.8	.....	0	1 s	.....	.....	0	0	fair	S. Endo.
Kioto	30.06	763.5	30.23	767.9	53.6	12.0	83	ne.	2.4	1.1	.....	0	0	.....	.....	0	0	clear	M. Tojima.
Kochi	30.21	767.3	30.23	767.8	59.7	15.4	92	sw.	3.7	1.6	.....	0	3 s	.....	.....	0.090	2.3	clear	K. Kusunose
Minaka	30.19	766 8	30.22	767.5	59.9	15.5	93	nne.	.....	.....	2	.....	10 s	.....	e.	0.059	1.5	overcast	K. Masasaki & T. Ishitaln.
Miyako	30.15	765.8	30.26	768.6	41.0	5.0	97	se.	0.9	0.4	.....	0	0	.....	.....	0.004	0.1	foggy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.97	761 2	30.18	766.6	60.7	15.9	84	nw.	3.6	1.6	.....	4 cs	0	.....	.....	0	0	fair	
Nemuro	30.13	765 3	30.18	766.6	36.1	2.3	91	nnw.	1.2	0.5	.....	0	0	.....	.....	0	0	clear	A Shibuya.
Niigata	30.28	769.1	30.31	769.9	45.1	7.3	94	n.	4.7	2.1	.....	.....	10 s	.....	.....	0	0	covered	Satoo & Tomikawa.
Nobiru	30.21	767.3	30.22	767.7	49.2	9.6	76	nnw.	13.5	5.9	.....	0	0	.....	.....	0	0	clear	Yoshino & Midzushima.
Numadzu	30.13	765.3	30.17	766.2	57.1	13.9	95	wnw.	.....	.....	2	.....	10 ks	.....	.....	0.405	10.3	overcast	T. Ohgi.
Osaka	30.22	767.6	30.24	768.0	55.9	13.3	75	ene.	6.6	2.9	.....	0	0	.....	.....	0	0	clear	H. Omura.
Saga	30.17	766 3	30.19	766.9	61.3	16.3	79	ne.	15.6	7.0	.....	0	0	.....	.....	0	0	clear	A. Matsuhayashi.
Sakai	30.27	768.9	30.28	769.1	50.9	10.5	92	ene.	.....	.....	2	0	1 ks	.....	ne.	0	0	clear	Yamawchi & Sakamoto.
Sapporo	30.15	765.9	30.22	767.6	39.1	3.9	96	calm	0	0	.....	.....	10 sn	.....	.....	0	0	covered	S. Kimura.
Shimonoseki	30.12	765.0	30.26	768.7	60 0	15.6	71	ne.	.....	.....	1	.....	10 s	.....	.....	0	0	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	30.10	764.6	30.18	766.5	57.1	13.9	97	wnw.	9.2	4.1	.....	.....	10 n	.....	.....	0.376	9.5	raining	The Staff.
Wakayama	30.17	766.2	30.22	767.5	53.2	11.8	99	calm	0	0	.....	0	0	.....	.....	0.020	0.5	foggy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.68	753.9	29.87	758.7	74.2	23.4	81	ese.	15.0	6.7	.....	.....	10km;ks	.....	se.	0.10	2.5	drizzling	The Staff.
MEXICAN.																			
Leon	24.30	617.2	29.99	761.7	56.8	13.8	65	calm	0	0	.....	7 c	0	.....	.....	0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.66	753.4	29.92	760.0	65.0	18.3	78	n.	1.6	0.8	.....	0	0	.....	.....	0	0	clear	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	30.02	762.4	30.02	762 4	48.7	9.3	.....	nnw.	.....	.....	3	.....	.. ..	.....	.....	0	0	.....	
Groningen	29.94	760.4	29.99	761.8	44.8	7.1	.....	ene.	.....	.....	1	.....	.....	.....	.....	0.126	3.2	.....	
Helder	30.01	762.3	30.01	762.3	42.8	6.0	.....	n.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	30.00	762.0	30.00	762.0	49.5	9.7	57	n.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Utrecht	29.96	761.0	30.01	762.2	48.7	9.3	58	nne.	.....	.....	2	.....	4	.....	.....	0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29 85	758.2	.....	.....	82.0	27.8	77	n.	0.5	0.2	.....	.....	1	.....	.....	0	0	.....	Lt. J. J. Reptman, R.D.N
NORWEGIAN.																			
Bergen	29.93	760.3	30.00	761.9	49.3	9.6	54	nnw.	9	4	.....	.....	1	.....	.....	0	0	.....	
Brono	29.85	758.1	29.89	759.2	43.2	6.2	79	w.	.....	.....	4	.....	8	.....	.....	0.039	1.0	.....	
Christiania	29.77	756 2	29.92	759.9	48.4	9.1	58	sw.	4	2	.....	.....	9	.....	.....	0	0	.....	
Gjæsvær	29.98	761.5	30.00	762.1	27.1	— 2.7	.....	ne.	.....	.....	7	.....	10	.....	.....	0	0	.....	
PORTUGUESE.																			
Funchal, Madeira	29.93	760.1	30.01	762.3	62.8	17.1	55	wnw.	6.3	2.8	.....	.....	1	n.	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.37	745.9	29.70	754.3	60.8	16.0	54	e.	10.8	7.5	.....	.....	9	sse.	.....	0.035	0.9	.....	The Staff.
Ponta Delgada, Azores	30.04	763.0	30.11	764.8	66.9	19.4	72	sw.	4.9	2.2	.....	.....	4	.....	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.04	762.9	30.07	763 8	70.2	21.2	62	ene.	.....	.....	4	.....	9	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra de Estrella	25.00	635.1	29.75	755.6	42.3	5.7	91	sse.	5.6	2.5	.....	.....	10	.....	.....	1.126	28.6	foggy	
RUSSIAN.																			
Akmolinski	29.13	739 8	30.26	768.6	29.3	— 1.5	100	sw.	11	5	.....	.....	10 n	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	29.34	745.1	29.35	745.6	27.0	— 2.8	94	sw.	9	4	.....	.....	10	.....	.....	0.366	9.3	snowing	Capt. Sselliwerstow.
Ashurada	29.91	759.7	29.82	757.3	71.6	22.0	65	ne.	9	4	.....	0	1 k	.....	.....	0	0	.....	
Astrakhan	29.84	757 9	29.77	756.1	62.1	16.7	29	sse.	20	9	.....	0	8 s	.....	.....	c	0	light clouds	Capt. Wisganow.
Baku	29.85	758.2	29.80	757.0	55.4	13.0	83	s.	22	10	.....	0	7 ks	.....	.....	.....	.....	.....	
Barnaul	29.96	761.0	30.50	774.8	18.1	— 7.7	03	ne.	9	4	.....	.....	10	.....	.....	0.020	0.5	.....	Meteorological Offices.
Bielosersk	29.11	739.5	29.59	751.6	35.6	2.0	77	nw.	2	1	.....	.....	10 s	.....	.....	0.035	0.9	.....	
Dorpat	29.58	751.2	29.82	757.4	46.9	8.3	56	w.	16	7	.....	ck	9 k	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	28.93	734.7	29.91	759.6	39.6	4.2	77	sw.	13	6	.....	.....	10	.....	.....	.....	.....	light rain	Meteorological Obs'y.
Elissawetgrad	29.46	748.3	29.91	759.6	59.0	15 0	43	n.	7	3	.....	0	3 k	.....	.....	0	0	.....	
Kasalinsk	29.91	759.6	30.08	764 1	58.8	14.9	38	e.	7	3	.....	.....	.....	.....	.....	.....	.....	.....	Butkewitsch.
Kasan	29.42	747.2	29.09	754.2	40.5	4.7	84	ssw.	13	6	.....	.....	10 k	.....	.....	0	0	.....	Observatory.
Kem	29.50	749.4	29.86	750.7	25.5	— 3.6	69	nw.	18	8	.....	.....	9 k	.....	.....	0.087	2.2	.....	
Kerzen	29.66	753.4	29.09	754.0	51.4	10.8	90	n.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Sastyrea
Kieff	29.25	742.9	29.88	758.9	54.7	12.6	38	nne.	7	3	.....	0	3 ks	.....	.....	0	0	.....	Observatory.
Koslov	29.27	741.8	29.72	754.9	37.4	3.0	93	w	7	3	.....	0	8 n	.....	.....	0	0	.....	
Lgov	29.30	744.1	29.88	759.0	48.6	9.2	67	wnw	13	6	.....	.....	3	.....	.....	0	0	.....	R. J. Saaweljew, Engineer.
Libau	29.96	701 0	29.98	761.6	40.6	4.8	86	w.	9	4	.....	.....	10	.....	.....	.....	.....	light fog	E. Quass.
Lugan	29.55	756.5	29.75	755.7	51.1	10.6	69	ne.	9	4	.....	.....	8	.....	.....	0.134	3.4	.....	Meteorological Obs'y.
Moscow	29.18	741.2	29.67	753 5	37.6	3.1	81	w.	2	1	.....	.....	10 n	.....	.....	0.035	0.9	light rain	Meteorological Obs'y.
Nertschinsk	27.96	710.2	30.39	771.8	25.2	— 3.8	34	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Nikolaiev	29.80	756.9	29.87	758.7	58.1	14.5	82	n.	22	10	.....	0	0	.....	.....	.....	.....	.....	Capt. Kurdakow.

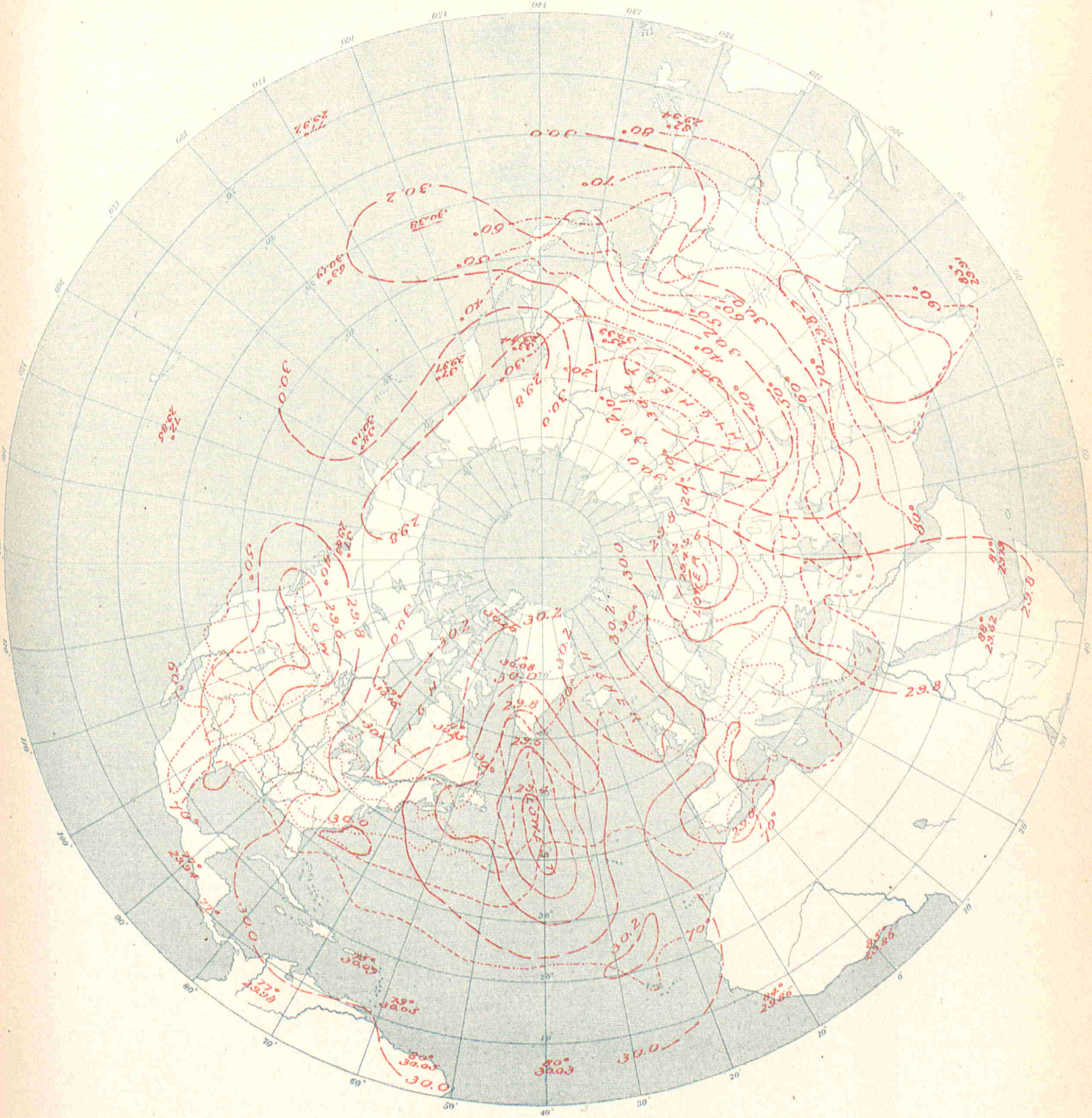
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaiewsk-on-the-Amoor.	29.66	753.3	29.74	755.5	33.4	0.8	83	w.	4	2	.....	.....	9 n	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.87	758.6	30.01	762.2	71.4	21.9	32	se.	2	1	.....	.....	9 n	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.71	754.7	30.06	763.4	70.7	21.5	20	sse.	1.1	0.5	.....	0	3 ks	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.35	745.5	29.55	750.6	36.5	2.5	50	nw.	16	7	.....	.....	10	.....	.....	0.098	2.5	light clouds	Dr. Bergmann.
Pinsk	29.48	748.7	29.97	761.3	54.1	12.3	47	nw.	7	3	.....	0	7 k	.....	.....	0	0	.....	
Poti	29.65	753.0	29.68	753.8	73.9	23.3	84	calm	0	0	.....	.....	5 ks	.....	.....	0	0	.....	
St. Petersburg	29.70	754.3	29.72	754.9	39.4	4.1	46	wnw.	9	4	.....	0	8 k;ks;s	.....	.....	inap.	inap.	.....	Central Physical Obs'y.
Samarkand	27.60	701.1	30.04	762.9	62.6	17.0	38	calm	0	0	.....	7 ck	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.78	756.4	30.47	773.9	34.7	1.5	83	calm	0	0	.....	.....	9	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.51	749.6	29.72	754.9	60.4	15.8	58	ne.	20	9	.....	.....	9 "	.....	.....	0	0	.....	
Staroi Bykhov	29.35	745.6	29.92	759.9	45.7	7.6	59	wnw.	16	7	.....	0	8 k	.....	.....	0.004	0.1	.....	Carl Hagen.
Tashkend, Laboratory	28.44	722.4	30.08	764.1	64.4	18.0	27	nw.	4	2	.....	.....	0	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.40	721.3	29.79	756.6	61.9	16.6	61	s.	2	1	.....	.....	10	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.63	701 9	30.17	766.3	48.2	9.0	54	calm	0	0	.....	0	8 n	.....	.....	.....	.....	.....	Larionow.
Viatka	28.92	734.6	29.56	750.9	34.0	1.1	89	sw.	2	1	.....	.....	10	.....	.....	0.035	0.9	.....	
Vladivostock	30.21	767.4	30.28	769.1	40.1	4.5	75	se.	9	4	.....	.....	8 k	.....	.....	0	0	.....	
Warsaw	29.51	749.5	29.93	760.1	60.6	15.9	43	s.	4	2	.....	c	7 kc	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.14	765.5	30.46	773.7	2.7	—16.3	60	w.	18	8	.....	.....	10	.....	.....	0.012	0.3	snowing	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.05	737.9	29.58	751.3	37.4	3.0	81	w.	9.9	4.4	.....	.....	10 n	.....	w.	inap.	inap.	light rain	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.69	754.0	29.80	756.9	56.7	13.7	86	ne.	.....	.....	.....	.....	10 n	.....	.....	0.071	1.8	.....	B. Jelin.
Bilbao, Met. Obs'y	29.67	753.6	29.73	755.1	66.2	19 0	73	nw.	1.8	0.8	.....	2	7	n.	.....	0.634	16.1	almost cov'd	Angel de Uraldo.
Burgos, Met. Obs'y	26.80	680.6	29.71	754 6	58.1	14.5	69	s.	5.6	2.5	.....	.....	8	.....	.....	0	0	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.50	698.4	29.73	755.2	55.4	13.0	85	ne.	5.4	2.4	.....	10	.....	.....	.....	0.390	9.9	covered	The Staff.
Murcia, Met. Obs'y	29.54	750.4	29.09	754.2	64.4	18.0	90	ne.	3.8	1.7	.....	5	5	.....	.....	1.915	49.4	raining	Olayo Diaz, Director.
Santiago, Met. Obs'y	28 82	732.0	29.70	754.4	57.4	14.1	84	n	6.3	2.8	.....	.....	10	.....	.....	0.350	8.9	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.00	761.9	30.06	763.6	74.8	23.8	88	se.	3.1	1.4	.....	cs	0	wsw.	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	759.0	29.94	760.4	81.8	27.7	74	se.	8.8	3.9	.....	0	7 ks	.....	.....	0	0	cloudy	F. Faura, S. J.
San Fernando, Naval Obs'y	29.69	754.2	29.79	756.7	58.8	14.9	89	s.	11.7	5.3	.....	.....	10	.....	s.	0.401	10.2	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.00	762.0	30.09	764.3	74.8	23.8	87	calm	0	0	.....	3 c	0	w.	.....	0	0	clear	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	29.81	757.2	29.85	758 2	29.1	— 1.6	96	n.	.....	.....	6	.....	3	.....	.....	0	0	.....	
Umea	29.77	756.2	29.82	757.5	40.6	4.8	57	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Hernosand	29.79	756.6	29.84	757 9	50.7	10.4	39	n.	.....	.....	4	.....	4	.....	.....	0	0	.....	
Stockholm	29.74	755.3	29.91	759.8	47.8	8.8	41	nw.	.....	.....	4	.....	2	.....	.....	0	0	.....	
Wisby	29.91	759.6	29.97	761.1	42.1	5.6	82	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.78	756.5	29.89	759.1	46.4	8.0	42	nw.	13.0	5.8	.....	.....	3	n.	nw.	0	0	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.43	722.0	29.84	758.0	56.8	13.8	53	n.	.....	.....	1	.....	8	.....	.....	0	0	covered	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.84	758.0	48.9	9.4	92	n.	19	8.5	.....	.....	10	.....	n.	0.031	0.8	.....	The Observatory.
Valona	.....	.....	30.047	763.17	68.2	20.1	.....	w.	.....	.....	2	.....	5	.....	.....	0.59	15.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.74	755.4	67.1	19.5	74	sw.	.....	.....	3	.....	10 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.03	762.7	30.11	764.8	43.4	6.3	73	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. O. Barnes.
Alpena, Michigan	29.45	748.0	30.14	765.5	31.8	— 0.1	78	e.	2	0.9	.....	0	1 s	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.78	629.4	29.70	754.4	42.7	5.9	66	sw.	6	2.7	.....	.....	10 s	.....	sw.	0	0	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	26.70	678.2	29.01	752.1	39.3	4.1	77	sw.	16	7.2	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.87	733.3	30.06	763.5	46.0	7.8	93	e.	6	2.7	.....	.....	fg.	.....	.....	0.16	4.1	dense fog	S. W. Beall.
Atlantic City, New Jersey.	30.03	762.7	30.04	763.0	45.0	7.2	93	n.	3	1.3	.....	.....	10 n	.....	.....	0.01	0.3	light rain	B.A.Blundon.
Augusta, Georgia	29.89	759.2	30.08	764.0	51.5	10.8	88	calm	0	0	.....	.....	10 s	.....	.....	0.31	7.9	cloudy	W.J.Evans.
Baltimore, Maryland	30.02	762.5	30.08	764.0	48.2	9.0	91	sw.	2	0.9	.....	.....	10 n	.....	w.	0.08	2.0	light rain	Geo. W. Feiger.
Barnegat City, New Jersey	30.05	763 3	30.07	763.8	46.8	8.2	81	se.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.01	711.4	29.65	753 1	41.0	5.0	97	se.	12	5.4	.....	.....	10 s	.....	se.	0.01	0.3	threatening	A. Pritchard.
Benton, Fort, Montana	26.78	680.2	29.64	752.8	36.5	2.5	61	w.	4	1.8	.....	0	8 s	.....	nw.	0.03	0.8	cloudy	U.S.Bennett.
Bismarck, Dakota	27.77	705.3	29.65	753.1	41.0	5.0	86	se.	9	4.0	.....	.....	10 s	.....	se.	0	0	cloudy	B. O. Lenoir.
Block Island, Rhode Island	30.02	762.5	30.05	763.3	41.7	5.4	78	n	6	2.7	.....	hz.	0	.....	.....	0	0	clear	J. T. Elker.
Boise City, Idaho	26.88	682.7	29.72	754.9	42.5	5.8	81	nw.	2	0.9	.....	4 ck	1 s	w.	.....	0.02	0.5	fair	James Kenealy.
Boston, Massachusetts	29.88	758.9	30.04	763.0	40.5	4.7	65	nw.	11	4.9	.....	0	0	.....	.....	0	0	clear	O. B. Cole.
Brownsville, Texas	29.68	753.9	29.74	755.4	72.0	22.2	100	s.	6	2.7	.....	0	5 k	.....	s.	0	0	fair	John McGlone.
Buffalo, New York	29.33	745.0	30.10	764.5	36.2	2.3	70	ne.	3	1.3	.....	3 c	0	ne.	.....	0	0	clear	D.Cuthbertson.
Buford, Fort, Dakota	27.47	697.7	29.57	751.1	40.2	4.6	82	ne.	6	2.7	.....	0	9 s	.....	.....	inap.	inap.	cloudy	A. Schneider.
Cairo, Illinois	29.57	751.1	29.98	761.5	50.7	10.4	92	n.	6	2.7	.....	.....	10 s	.....	n.	0.13	3.3	cloudy	W. H. Ray.
Canby, Fort, Washington Ter.	29.41	747.0	29.61	752.1	45.0	7.2	100	se.	23	10.3	.....	.....	10 n	.....	.....	0.23	5.8	light rain	J.H.Young.
Cape Henry, Virginia	30.02	762.5	30.04	763.0	47.0	8.3	100	ne.	20	8.9	.....	.....	10 n	.....	.....	0.74	18.8	light rain	A. K. Alderson.
Cape May, New Jersey	30.03	762.7	30.06	763.5	49.0	9.4	88	w.	3	1.3	.....	.....	10 n	.....	.....	inap.	inap.	light rain	W.E.Smith.
Cape Mendocino, California	29.21	741.9	29.90	759.4	45.4	7.4	91	s.	20	8.9	.....	.....	1c s	.....	.....	0.01	0.3	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.01	762.2	30.03	762.7	68.4	20.2	92	s.	5	2.2	.....	0	7 k	.....	sw.	0.49	12.4	fair	G. W. Davis.
Charleston, S. Carolina	29.94	760.5	30.00	762.0	57.5	14.2	93	nw.	6	2.7	.....	.....	10s;fg	.....	nw.	0.81	20.6	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.20	741.7	30.06	763.5	46 0	7.8	83	n.	2	0.9	.....	.....	10 s	.....	n.	0.44	11.2	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.20	741.7	30.03	762.7	50.0	10.0	82	se.	5	2.2	.....	.....	10s;fg	.....	.....	0.15	3.8	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.56	598.4	29.58	751.3	29.3	— 1.5	72	nw.	1	0.4	.....	0	3 s	.....	.....	inap.	inap.	clear	E. McGovern.
Chincoteague, Virginia	29.27	743 4	30.00	762.0	41.9	5.5	83	e.	7	3.1	.....	.....	10 s	.....	e.	0.02	0.5	cloudy	T.B.Jennings.
Cincinnati, Ohio	30.03	762.7	30.05	763.3	46.0	7.8	100	e.	3	1.3	.....	.....	10n;fg	.....	se.	0.20	5.1	light rain	C. F. Dickens
Cleveland, Ohio	29.33	745.0	30.00	762.0	49.3	9.6	89	e.	3	1.3	.....	.....	10 s	.....	e.	0.34	8.6	cloudy	L.Dunne.
Columbus, Ohio	29.29	744.0	30.05	763.3	43.0	6.1	66	e.	3	1.3	.....	0	sk.	.....	e.	0	0	clear	W.Line.
Concho, Fort, Texas	29.11	739.4	29.98	761.5	45.4	7.4	81	e.	7	3.1	.....	3 ck	6 s	sw.	s.	0.11	2.8	cloudy	F.T. Williams.
Custer, Fort, Montana	27.79	705.9	29.73	755.1	60.1	15.6	84	s.	7	3.1	.....	1 cs	0	.....	.....	0	0	clear	O. E. King.
Davenport, Iowa	26.41	670 8	29.59	751.6	40.4	4.7	59	w.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	W.J.Daily.
Davis, Fort, Texas	29.27	743.4	29.94	760.5	44.0	6.7	83	e.	7	3.1	.....	.....	10s;fg	.....	.....	0	0	cloudy	R. R. Martin.
Dayton, Washington T'y	25.00	635.0	29.78	756.4	49.2	9.6	82	sw.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	J. Williams.
Deadwood, Dakota	27.93	709.4	29.69	754.1	44.5	6.9	70	sw.	14	6.3	.....	.....	10 s	.....	w.	0	0	cloudy	H.S.Blandford.
Delaware Breakwater, Del	24.92	633.0	29.61	752.1	38.0	3.3	86	s.	5	2.2	.....	0	6 k	.....	w.	0.14	3.6	fair	G.Kingsbury.
Denver, Colorado	30.04	763.0	30.06	763.5	45.5	7.5	91	w.	2	0.9	.....	.....	10s;fg	.....	.....	0	0	cloudy	G.A.Martin.
Des Moines, Iowa	24.28	616.7	29.55	750.6	36.2	2.3	71	n.	5	2.2	.....	0	3 k	.....	w.	inap.	inap.	clear	F. M. Neal.
Detroit, Michigan	28.98	736.1	29.91	759.7	43.5	6.4	72	se.	3	1.3	.....	.....	10 s	.....	se.	0.13	3.3	cloudy	F. W. Conrad.
Dodge City, Kansas	29.35	745.5	30.08	764.0	41.8	5.4	69	e.	8	3.6	.....	4 ck	6 s	e.	.....	0	0	cloudy	N.B.Conger.
Dubuque, Iowa	27.05	687.1	29.69	754.1	43.6	6.4	88	e.	18	8.0	.....	.....	10 s	.....	.....	0	0	cloudy	J.E.Lanouette.
Duluth, Minnesota	29.23	742.4	29.96	761 0	41.6	5.3	60	e.	4	1.8	.....	0	6 s	.....	se.	0.02	0.5	fair	A.W.Browne.
Eastport, Maine	29.22	742 2	29.99	761.7	32.0	0.0	93	ne.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	E.R.Brace.
Elliott, Fort, Texas	29.81	757.2	29.88	758.9	40.0	4.4	57	nw.	13	5.8	.....	0	0	.....	.....	0	0	clear	D. C. Murphy.
El Paso, Texas	26.91	683.5	29.69	754.1	42.8	6.0	100	se.	5	2.2	.....	0	4 s	.....	.....	0	0	fair	J. C. Rickli.
Erie, Pennsylvania	26.01	660.6	29.75	755.6	58.2	14.6	12	w.	12	5.4	.....	0	1 s	.....	.....	0	0	clear	F.Belford.
Escanaba, Michigan	29.33	745.0	30.08	764.0	38.1	3.4	80	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	P.Wood.
Fort Smith, Arkansas	29.36	745.7	30.05	763.3	26.9	— 2.8	72	n.	5	2.2	.....	3 ck	0	w.	.....	0.01	0.3	clear	L.M.Pindell.
Galveston, Texas	29.36	745.7	29.84	757.9	48.5	9.2	93	e.	8	3.6	.....	6 cs	fg	s.	.....	0	0	fair	J. B. Campbell.
Grand Haven, Michigan	29.83	757.7	29.87	758.7	69.4	20.8	93	se.	9	4.0	.....	.....	10 s	.....	se.	0	0	cloudy	E. O'C. Macinerny
Grant, Fort, Arizona	29.35	745.5	30.04	763.0	43.1	6.2	68	ne.	10	4.5	.....	6 ck	0	sw.	.....	0	0	fair	Joseph E. Mueller.
Hatteras, North Carolina	25.01	635.2	29.74	755.4	43.8	6.6	52	n.	5	2.2	.....	.....	10 s	.....	nw.	0	0	cloudy	Chas. A. Read.
	29.90	759.4	29.91	759.7	52.2	11.2	100	ne.	2	0.9	.....	.....	10 k	.....	e.	0.28	7.1	cloudy	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.44	646.2	29.65	753.1	41	5.0	52	w.	8	3.6			10 s			0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.31	719.1	29.76	755.9	41	5.0	89	se.	17	7.6			10 s		s.	0	0	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.14	740.1	29.96	761.0	45.2	7.3	84	e.	3	1.3			10 n		e.	0 42	10.7	light rain	C. F. R. Wappenhans.
Indianola, Texas	29.77	756.1	29.80	756.9	71.0	21.7	94	sw.	10	4.5		0	8 k		sw.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	29.99	761.7	30.03	762.7	67.0	19.4	90	sw.	6	2.7		0	4 k		sw.	0.29	7.4	fair	J. W. Smith.
Keokuk, Iowa	29.24	742.7	29.91	759.7	44.0	6.7	96	e.	6	2.7			fg.			0.08	2.0	dense fog	F. Z. Gosewisch.
Key West, Florida	30.03	762.7	30.05	763.3	77.4	25.2	88	se.	5	2.2		0	0			0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.94	760.5	29.96	761.0	48.2	9.0	91	ne.	18	8.0			10 n			0.74	18.8	light rain	Wesley Blake.
Knoxville, Tennessee	28.99	736.3	30.03	762.7	46.8	8.2	95	sw.	2	0.9			10 s			0.14	3.6	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.15	740.4	29.95	760.7	44.3	6.8	68	se.	6	2.7			10 s			0	0	cloudy	S. C. Emery.
Leavenworth, Kansas	28.96	735.6	29.87	758.7	44	6.7	93	se.	2	0.9			10 s			0.07	1.8	cloudy	C. Dill.
Lewiston, Idaho	28.84	732.5	29.68	753.9	48.0	8.9	82	se.	3	1.3			10 s			0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.65	753.1	29.97	761.2	51.0	10.6	93	sw.	1	0.4		3 cs	fg.			0.03	0.8	clear	W. U. Simons.
Los Angeles, California	29.56	750.8	29.96	761.0	47.5	8.6	93	ne.	7	3.1		2 cs	0	w.		0.54	13.7	clear	T. S. Collins.
Louisville, Kentucky	29.38	746.2	29.95	760.7	52.1	11.2	48	e.	1	0.4			10 s			0.82	20.8	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.36	745.7	30.07	763.8	46.0	7.8	83	calm	0	0			10 n			0.22	5.6	light rain	Jno. Healy.
Mackinaw City, Michigan	29.45	748.0	30.13	765 3	34.2	1.2	72	se.	5	2.2		7 cs	0			0	0	fair	D. B. Notson.
Macon, Fort, North Carolina	29.94	760.5	29.95	760.7	55.8	13.2	96	n.	8	3.6			10 n		sw.	0.44	11.2	light rain	William Daly.
Maginnis, Fort, Montana	25.16	639.1	29.66	753.4	33.5	0.8	53	nw.	18	8 0		0	0			0	0	clear	F. Burke.
Marquette, Michigan	29.34	745.2	30.09	764.3	28.5	— 1.9	75	calm	0	0		0	1 s			0	0	clear	J. Gilligan.
Memphis, Tennessee	29.57	751.1	29.91	759.7	52.0	11.1	96	e.	4	1.8			fg.			0.01	0.3	dense fog	D. T. Flannery.
Milwaukee, Wisconsin	29.24	742.7	30.01	762.2	37.8	3.2	81	ne.	2	0.9			10 s		ne.	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	29.92	760.0	29.96	761.0	68.3	20.2	94	s.	2	0.9		2 k	8s; fg	sw.	s.	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.78	756.4	30.00	762.0	57.8	14.3	93	e.	4	1.8			10s; fg		e.	0.01	0.3	dense fog	S. M. Leitzell.
Moorhead, Minnesota	28.76	730.5	29.79	756.7	41.0	5.0	82	s.	19	8.5			10 s			Inap.	Inap.	cloudy	L. M. Dey.
Mt. Washington, N. H	23.45	595.6	29.86	758.4	10.0	—12.2	83	nw.	70	31.2		0	0			0.11	2.8	clear	E. A. Beals.
Nashville, Tennessee	29.38	746.2	29.96	761.0	54.3	12.4	91	se.	1	0.4			10 ks		sw.	0.16	4.1	cloudy	L. N. Jesunofsky
New Haven, Connecticut	29.99	761.7	30.11	764.8	42.2	5.7	62	n.	4	1.8		2 c; hz	hz.			0	0	dense haze	J. H. Sherman.
New London, Connecticut	30.03	762.7	30.08	764.0	47.0	8.3	56	calm	0	0		2 c	0			0	0	clear	J. G. Lynch.
New Orleans, Louisiana	29.88	758.9	29.94	760.5	69.2	20.7	93	se.	1	0.4		0	8 ks		se.	0	0	cloudy	M. Herman.
New York, New York	29.91	759.7	30.09	764.3	46.9	8.3	51	e.	3	1.3		0	5s; fg			0	0	fair	W. Finn.
Norfolk, Virginia	29.97	761.2	30.00	762.0	48.1	8.9	96	ne.	6	2.7			10 n			0.34	8.6	light rain	Wm. Davis.
North Platte, Nebraska	26.68	677.7	29.64	752.8	44.1	6.7	89	se.	13	5.8			10 n			0.04	1.0	light rain	E. F. Brady.
Olympia, Washington Ty	29.53	750.0	29.57	751.1	46.0	7.8	93	sw.	6	2.7			10 n			0.14	3.6	light rain	J. Dascomb
Omaha, Nebraska	28.66	728.0	29.87	758.7	42.5	5.8	97	se.	6	2.7			10n; fg			0.06	1.5	light rain	A. Pollak
Oswego, New York	29.79	755.7	30.13	765.3	36.3	2.4	74	ne.	3	1.3		0	sk.			Inap.	Inap.	clear	J. G. Linsley.
Palestine, Texas	29.29	744.0	29.85	758.2	63.1	17.3	93	s.	12	5.4			10 s		s.	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	29.94	760.5	29.98	761.5	67.3	19.6	98	calm	0	0			10 s		sw.	0.01	0.3	cloudy	M. McGauran.
Philadelphia, Pa	29.95	760 7	30.08	764.0	44.0	6.7	93	e.	3	1.3			10s; fg		e.	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.29	439.2	29.57	751.1	1.0	—17.2	83	w.	28	12.5		0	0			0.01	0.3	clear	H. Hall.
Pittsburg, Pennsylvania	29.19	741.4	30.02	762.5	45.9	7.7	72	ne.	2	0.9		10 ck	0			0	0	cloudy	O. D. Stewart.
Poplar River, Montana					32.9	0.5	83						7 ks			0	0	fair	Geo. A. Carden.
Port Huron, Michigan	29.36	745.7	30.06	763.5	36.0	2.2	82	e.	1	0.4		0	0			0.01	0.3	clear	M. H. Perry
Portland, Maine	29.95	760.7	30.00	762.0	44.3	6.8	49	n.	6	2.7		0	0			0	0	clear	W. W. Eichelberger.
Portland, Oregon	29.59	751.6	29.66	753.4	47.0	8.3	96	s.	8	3.6			10 n			0.08	2.0	light rain	M. L. Hearne.
Prescott, Arizona	24.47	621.5	29.74	755.4	31.0	— 0.0	81	s.	10	4.5		0	0			0.07	1.8	clear	J. Glover.
Provincetown, Mass																			O. N. Kitchel.
Red Bluff, California	29.58	751.3	29.94	760.5	49	9.4	93	sw.	8	3.6			10 n		s.	0.05	1.3	light rain	J. R. Williams.
Rio Grande City, Texas	29.55	750.6	29.79	756.7	70.1	21.2	98	se.	3	1.3		0	0			0	0	clear	L. G. Schultz.
Rochester, N. Y	29.45	748.0	30.14	765.5	35.4	1.9	83	n.	4	1.8		0	hz.			0	0	clear	E. W. McGann.
Roseburg, Oregon	29.23	742.4	29.79	756.7	48	8.9	77	s.	4	1.8			10 s		sw.	0.03	0.8	cloudy	J. J. Naury.
Sacramento, California	29.90	759.4	29.97	761.2	47.5	8.6	93	s.	5	2.2		0	6 s		sw.	0	0	fair	J. A. Barwick
St. Louis, Missouri	29 32	744.7	29.95	760.7	47.5	8.6	86	se.	4	1.8			10 s		se.	0.39	9.9	cloudy	Fred. H. Clarke
St. Michael, Fort, Alaska	29.65	753.1	29.68	753.9	31.5	— 0.3	88	s.	64	28.6			9 ks		s.	0	0	cloudy	P. F Lyons.
St. Paul, Minnesota	29.05	737.9	29.93	760.2	42.5	5.8	87	se.	6	2.7			10 ks		s.	0	0	cloudy	C. B. Dilley.
St. Vincent, Minnesota	28.86	733.0	29.77	756.1	39.5	4.2	89	s.	5	2.2			10 s			0.02	0.5	cloudy	J. Craig.
Salt Lake City, Utah	25.28	642.1	29.65	753.1	37.2	2.9	90	calm	0	0			10 ks		nw.	0.45	11.4	threatening	F. R. Day.
San Diego, California	29.88	758.9	29.96	761.0	53.3	11.8	78	nw.	4	1.8		0	8 k		nw	0.14	3.6	cloudy	B. F. Hough.
Sandusky, Ohio	29.36	745.7	30.06	763.5	42	5.6	74	e.	10	4.5			10 s		e.	0	0	cloudy	V. P. Chappel.
Sandy Hook, New Jersey	30.07	763.8	30.10	764.5	45.5	7.5	76	n	8	3.6		10 cs	0			0	0	cloudy	J. B. Marbury
Sanford, Florida	29.98	761.5	30.03	762.7	69.0	20.6	76	sw.	3	1.3		0	0			0.28	7.1	clear	N. Gorom.
San Francisco, California	29.91	759 7	29.98	761.5	51.0	10.6	88	sw.	1	0.4			10 s		sw.	0.07	1.8	cloudy	H. W. Ford.
Savannah, Georgia	29.95	760.7	30.04	763.0	60	15.6	86	nw.	5	2.2			10 o		nw.	1.35	34.3	cloudy	A. L. Mathews.
Shaw, Fort, Montana	25.95	659.1	29.62	752.3	38	3.3	72	w.	2	0.9		0	3 k		w.	0	0	clear	E. N. Meekins.
Shreveport, Louisiana	29.63	752.6	29.87	758.7	60.0	15.6	100	se.	1	0.4			fg.			0.02	0.5	dense fog	F. W. Fickett.
Sitka, Alaska	29.81	757.2	29.88	758.9	36.8	2.7	58	ne.	7	3.1		0	0			0	0	clear	O. Parker.
Smithville, North Carolina	29.96	761.0	30.00	762.0	54.7	12.6	95	nw.	9	4.0			10 s		w.	0.44	11.2	cloudy	D. Moore.
Spokane Falls, Wash. Ter.	27.57	700.3	29.63	752.6	43.1	6.2	76	sw.	6	2.7			10 s		sw	0	0	cloudy	W. Norrington.
Springfield, Illinois	29.27	743.4	29.97	761.2	50.9	10.5	82	e.	3	1.3			10 s			0.26	6.6	cloudy	J. W. Byram.
Stockton, Fort, Texas	26.71	678.4	29.74	755.4	45.3	7.4	56	s.	6	2.7		0	7 s			0	0	fair	R. Connor.
Tatoosh Id., Wash. Ter	29.40	746.7	29.49	749.0	42.0	5.6	92	sw.	5	2.2			10 n		sw.	0.61	15.5	light rain	R. C. Lord.
Thomas, Camp, Arizona	27.10	688.3	29.83	757.7	51.2	10.7	80	w.			1		10 s			0	0	cloudy	A. Buell.
Toledo, Ohio	29.32	744.7	30.02	762.5	41.5	5.3	78	e.	8	3.6			10 s		se.	0	0	cloudy	Samuel Applegate
Unalashka, Alaska	30.11	764.8	30.13	765.3	38	3.3	72	nw.	12	5.4			10 s		nw.	0	0	cloudy	F. W. Mixer.
Vicksburg, Mississippi	29.68	753.9	29.94	760.5	62	16.7	93	se.	1	0.4			10s; fg		se.	0.11	2.8	light rain	T. B. Harrison.
Washington, D. C	29.95	760.7	30.07	763.8	46.7	8.2	94	sw.	1	0.4			10 n		sw.	Inap.	Inap.	cloudy	F. H. Brandenburg
West Las Animas, Colorado	25.56	649.2	29.51	749.5	46.3	7.9	24	sw.	11	4.9		9 cs	0	sw.		0.39	9.9	cloudy	L. H. Albrecht.
Wilmington, N Carolina	29.94	760.5	30.00	762.0	55.9	13.3	84	nw.	6	2.7			10 s		nw.	0.02	0.5	cloudy	E. H. Thompson.
Yankton, Dakota	28.47	723.1	29.81	757.2	40.8	4.9	96	s.	10	4.5			10 s			0	c	clear	W. S Delano.
Yuma, Arizona	29.72	754.9	29.87	758.7	53.0	11 7	60	w.	8	3.6		0	3 s		w.				
Sub-series.																			
Behring Island, Kamchatka	29.95	760.7	29.97	761.2	37.0	2.8		s.	21	9.4			10 n			0.02	0.5	cloudy	George Cheruick.
Bluefields, Nicaragua, C. A					83	28.3		ne.			3	0	9 n		e.	0.11	2.8	cloudy	W. F. Jackson.
Bogota, U. S. C	22.05	560 0			53.6	12.0	90	w.	2	1			10 pk		nw.	0.039	1.0		Joaquin Gomez.
Chimo, Fort, Ungava	30.10	764.5	30.25	768.3	11	—11.7	100	nw.	23	10.3			10 s		nw	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I			30.02	762.5	73	22.8	83	n.	1	0.4		1 cs	7 s	e.	e.	0.11	2.8	cloudy	Robert Johnston.
Paramaribo, S. A	30.05	763.3	30.05	763.3	79.5	26.4	80	e.			2	5 ck	5 k	e.		0	0		Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.42	747.3	29.98	761.5	77	25.0	89	n.			1		3 k		s.	0	0	fair	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	29.881	758.91	30.041	763.01	77	25.0	84	ne.			2	5 ck			sw.	0	0	fair	Earl Flint.
York Factory, B. A	30.09	764.3	30.16	766.1	—18.5	—28.1	66	w.	4	1.8		1 c	0	w.		0	0		Fortescue & Wood
U. S. OF COLOMBIA. *(Sub series).*																			
Colon																			P. Fasiani.
Naos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Arizona, N. 51° 23′, W. 12° 45′	30.11	764.8	53	11.7		ene.			3		3		ne.	0	0	mod.	nw.	fine
S. S. Alvo, Aux Cayes, Hayti W. I*	30.06	763 5	75	23.9		nne.			3		7	n.		1 h'r	1 h'r			fair.
S. S. Alps, N. 17° 53′, W. 73° 53′ *†	30.05	763.3	85?	29.47		e.			4		3		e.	0	0	sm'h	ese.	fine.
S. S. Ailsa, N. 19° 46′, W. 74° 36′			80.2	26.8	91	ne.			3				ne.	0	0	sm'h		fine.
S. S. Abyssinia, N. 42° 04′, W. 48° 31′*	29.66	753.4	32?	0.0?	90	n.			6		6		nnw.	12 h'r	12 h'r	r'gh	n.	fair.
S. S. Bohemia, N. 41° 02′, W. 47° 03′						var.			3-7		8		var.	5 h'r	5 h'r	h'vy		cloudy.
S. S. City of Washington, N. 19° 02′, W. 95° 05′*†	29.90	759.4	82	27.8		n.			4		2		n.	0	0			clear.
S. S. Canada, (Fr) N. 49° 25′, W. 16° 38′			57	13.9	82	ese.			5		8		se.	0	0	mod.	var.	hazy.
S. S. Circassian, N. 43° 00′ W. 54° 00′	29.81	757.2	38	3.3	81	nw.			5		5		nw.			3	nw.	d. clouds.
S. S. Cienfuegos, N. 28° 13′, W. 76° 07′	30.09	764.3	75	23.9		sw.			6		1		sw.	0	0	small	s.	clear.
Bk. C. S. Bushnell, N. 38° 06′, W. 16° 35′	29.94	760.5				n.			4		2		ne.	0	0	r'gh	n.	d. clouds.
S. S. Denmark, N. 41° 09′, W. 45° 36′			51	10.6	86	nnw.			7		4		nnw.	4 h'r	4 h'r	h'vy	nnw.	clear.
S. E. B. Sutton, N. 37° 40′, W. 51° 20′*†	29.89	759.2	58	14.4	58	nw.			6		5		nw.	1 h'r	1 h'r	h'vy	cross	fair.
S. S. Elbe, N. 41° 40′, W. 45° 41′	29.49	749 1	48.2	9.0		nnw.			7		10		nnw.	2 h'r	2 h'r	r'gh	nnw.	cloudy.
S. S. Elder, Bremerhaven, Germany *	29.98	761.5	46.4	8.0		ne.			3		10		ne.	2 h'r	2 h'r			squally.
S. S. Fulda, N. 46° 52′, W. 27° 21′	29.97	761.3	56.8	13.8	93	sse.			5		9		s.	0	0	r'gh	sse	cloudy.
S. S. Gellert, N. 45° 36′, W. 33° 14′			58.2	14.6		s.			4		4?		s.	0	0	mod	sw.	covered.?
S. S. Gallia, N. 48° 57′, W. 28° 23′	29.92	760.0	54	12.2		sse.			6		10					long	w.	misty.
S. S. Helvetia, N. 40° 35′, W. 61° 17′	29.96	758.4	51	10.6	86	w.			6		8		w.	0	0	mod.	w.	cloudy.
Bk. Heinrich & Tonio, N. 39° 21′, W. 72° 20′			47	8.3	92	calm			0					0	0	sm'h		hazy.
Bg. L. & W. Armstrong, N. 35° 25′, W. 69° 35′ *†	30.02	762.5				ssw.			1		6?		sw.	¼ h'r	¼ h'r	mod.	nw.	overcast?
Schr. Maggie Abbott, N. 39° 00′, W. 69° 02′						nnw.			4		5		w.	0	0	sm'h		clear.
S. S. Marengo, N. 40° 27′, W. 58° 00′	29.86	758.4	46	7.8		wsw.			4		10		w.	6 h'r	6 h'r	mod	w.	squally.
S. S. Nurnberg, N. 49° 33′, W. 17° 32′	30.17	766.3	57.2	14.0		se.			3		10		s.	0	0	sm'h	se.	covered.
S. S. Nova Scotian, N 47° 21′ W. 34° 00′	29.77	756.1	55	12.8		sse.			3		fg.					mod.	sw.	dense fog.
S. S. Nessmore, N. 38° 08′, W. 67° 48′	30.06	763.5	53	11.7	86	ne.			3		2?		nw.	0	0	sm'h	e.	overcast.?
S. S. Orinoco, N. 39° 21′, W. 72° 55′†	30.08	764.0				w.			2		10		w.	0	0	sm'h		cloudy.
S. S. Oregon, (Br.) N. 43° 47′, W. 56° 22′	29.79	756.7	36	2.2		w.			1		2		wsw.	0	0	mod.	w.	fine.
S. S. Olbers, N. 36° 14′, W. 71° 47′			59	15.0	54	nne.			3		10					sm'h		overcast.
S. S. Polynesian, N. 53° 08′, W. 21° 05′	30.17	766.3	54	12.2		sse.			3		7		s.	0	0	mod.	se.	hazy.
S. S. P. Caland, N. 42° 36′, W. 40° 10′			61.9	16.6		sse.			5		3?		w.	0	0	4	sw	cloudy ?
S. S. Republic, N. 45° 51′, W. 37° 24′†	29.46	748.3	56	13.3		s.			5		10		s; w.	8 h'r	8 h'r	mod.	sw.	raining.
S. S. Rhein, N. 51° 27′, E. 2° 03′	30.04	763.0				nw.			2		8		nw.	0	0	mod.	nw.	covered.
S. S. State of Georgia, N. 41° 35′, W. 45° 45′†	29.54	750 3	50	10.0		nw.			7-8		5		nw.	1 h'r	1 h'r	sharp	n.	fair.
S. S. Salier, N. 40° 28′, W. 70° 08′	30.03	762 7				nw.			1-2		4		n.	0	0	light	wsw.	light haze.
Bk. Tuck Sing, N. 38° 31′, W. 74° 41′ *†	30.09	764.3				calm			0		fg.			1 h'r	1 h'r	sm'h		foggy.
S. S. The Queen N. 48° 00′, W. 28° 34′	29.85	758.2				sse.			4		10		s.	1 h'r	1 h'r	mod	sw.	hazy.
S. S. Vaderland, N. 40° 00′, W. 50° 00′*†	29.82	757.4	41	5.0		nnw.			5		3		wnw.	0	0	mod.	nw.	fair.
S. S. Weser, N. 44° 37′, W. 40° 13′	29.25	742.9	55.4	13.0		se.			2-3		10		nw.	3 h'r	3 h'r	2	se.	light rain.
S. S. Westernland, Antwerp, Belgium	29.97	761.2	54	12.2	87	nnw.			4		4		nnw.	1 h'r	1 h'r			fair.
S. S. Waesland, off St. Catherine, Eng	30.08	764.0	53	11.7		n.			5		7		n.	0	0	sm'h		cloudy.
Bk. Alpha, N. 25° 10′, W. 73° 07′ *†	30.10	764.5	76	24.4		sw.			3		2		sw.	0	0	sm'h		clear.
Schr. Adda Doane, Port Antonio, Jamaica, W. I†	30.08	764.0				se.			2		2		e.	0	0			clear.
S. S. America, N. 39° —′ W. 62° —′	30.11	764.8	54	12.2		nw.			4		4		nw	0	0	light	nw.	fair.
S. S. Caracas, N. 10° 50′, W. 68° 10′ *†	30.01	762.2	78.5	25.8	84	ene.			6		3		e.	0	0	short	ene.	hazy.
S. S. City of Merida, N. 30° 49′, W. 80° 29′			69.8	21.		nw.			1		0?			6 h'r	6 h'r	light	se.	cloudy.?
S. S. Chalmette, N. 31° 15′, W. 79° 21′†	30.08	764.0	67	19.4		nnw.			4		8		nw.	3 h'r	3 h'r	mod	se.	fair.
S. S. Devonia, N. 51° 52′, W. 29° 28′†	29.85	758.2	48	8.9		se.			4		10		se.	15 h'r	15 h'r	short	se.	cloudy.
S. S. Elysia, N. 40° 33′, W. 71° 49′*	30.03	762.7	43	6.1		nw			1		4		nw.	0	0	sm'h		fine.
S. S. England, Mersey River, Eng	30.12	765.0				ene.			4		10		ene.	shr's	shr's			raining.
S. S. Foscolia, N. 36° 04′, W. 36° 48′ †	29.54	750.3	66	18.9		ssw.			6		10		sw.	8 h'r	8 h'r	cross	cross	overcast.
S. S. Hohenstaufen, N. 43° 04′, W. 40° 36′	29.17	740.9	57	13.9		se.			4		10		se.	4 h'r	4 h'r	mod	se.	raining.
S. S. Habsburg, N. 47° 47′, W. 17° 42′	30.05	763.3				ene.			4		9		ene.	3 h'r	3 h'r	mod.	ene.	cloudy.
Bk. Idaho, N. 21° 10′, W. 79° 44′ *†	30.09	764.3				ese.			1		4		ese.	6	0	sm'h		fair.
Bg. Lillian, N. 10° 50′, W. 57° 30′†	30.05	763.3				e.			3		1			0	0	mod.	ese.	clear.
S. S. Labrador, N. 42° 42′, W. 52° 33′			42.8	6		n.			4		3?		nnw.			sm'h	nw.	covered.?
S. S. Muriel, Antigua, W. I	30.06	763.5	80	26.7		e.			2		0			0	0	sm'h		clear.
S. S. Pennsylvania, N. 40° 38′, W. 45° 10′			51	10.6	86	n.			1?		6		nnw.	0	0	h'vy	nnw.	heavy gale?
S. S. Prussian, N. 54° 47′, W. 13° 27′			48	8.9		ene.			4		6		ne.	0	0	sl't	ene.	fair.
S. S. Samaria, N. 50° 04′ W. 23° 46′*	30.03	762.7	52	11.1		se.			4		1		e.	6 h'r	6 h'r	sl't	se.	clear.
Bk. Tros, N. 28° 30′, W. 68° 22′*†	30.07	763.8	66	18.9		ssw.			2		6		w.	0	0	mod.	w.	fair.
S. Tsernogora, near Montauk Pt, N Y *†	30.05	763.3	1	—17.2		nw.			2		0			0	0	sm'h		clear.
U. S. S. Alliance, N. 21° 02′, W. 75° 10′	30.10	764 5	78	25.6	82	ese.			4		2		e.	0	0	mod.	ne.	fair.
U. S. S. Galena. San Juan, Porto Rico, W. I*	30.07	763.8	74	23.3	90	ene.			1		5		ene.			sm'h		fair.
U. S. S. Jamestown, St. Kitts, W.I	30.13	765 3	77	25.0	69	ese.			1		10		e.			sm'h		cloudy.
U. S. S. Kearsarge, Beirut, Syria	29.76	755.9	66	18.9	69	sw.			4		10		sw.			mod.		cloudy.
U. S. S. Lancaster, Beirut, Syria	29.73	755 1	67	19.4	95	sw.			5		8		sw.			mod.	sw.	squally.
U. S. S. Pensacola, N. 6° 24′, W. 39° 49′†	30.03	762.7	80	26.7	74	ne.			4		2		ne.	0	0	sm'h		clear.
U. S. S. Portsmouth, N. 28° 59′, W. 71° 03′	30.08	764.0	67	19.4	89	s.			4		10		sw.			sm'h		cloudy.
U. S. S. Quinnebaug. N. 33° 00′, E. 16° 57′	29.98	761.5	67	19.4	79	ese.			3		0							clear.
U. S. S Saratoga, Lisbon, Portugal	29.68	753.9	63	17.2	67	e.			3		2		e.	0	0	sm'h		fair.
U. S. S. Swatara, Anguila Cay, W. I	30.07	763.8	78	25.6	95	se.			3		5		se.	0	0			fair.
U. S. S. Vandalia, Cay Sal, Bahamas, W. I	30.05	763.3	77	25.0	91	s.			3		5		ne.					fair.
U. S. S. Yantic, Matanzas, Cuba, W. I	30.08	764.0	73	22.8	100	wnw.			1		8							foggy.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′			65	18.3	73	ese.			3		4	ese.						1, clouds
H. M. S. Alecto, N. 5° 33′, W. 0° 04′	29.86	758.4	85	29.4		ssw.			1		7					4	ssw.	d. clouds.
H. M. S. Inflexible, Argostoli, Greece			68	20.0	100	sse.			2		9	sse.				1	sse.	d. clouds.
H. M. S. Minotaur, N. 35° 57 . E. 16° 23′			63	17.2	72	ne.			2		1	w.						blue sky.
H. P. M. S. Bengo, Cacheo, Senegambia	29.94	760.4	82.4	28.0	63	nw.			2		0			0	0	1		blue sky.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.87	758.8	79.7	26.5	88	nne.			4		10		ne.	7 h'r	7 h'r	6	ne.	thnd'r storm.
S. S. British Crown, N. 39° 24′, W. 63° 30′†	29.94	760.5	48	8.9		wsw.			4		2		wsw.	3 h'r	3 h'r	sl't	wsw.	clear.
S. S. British Prince, N. 47° 54′, W. 29° 40*	29.92	760.0	49.3	9.6	100	n.			3		6		sw.	2 h'r	2 h'r	con.	var.	light rain.
S. S. Ohio, (Am) N. 38° 53′, W. 71° 39′ †	30.13?	765.3?	48	8.9	100	n.			1		2			0	0			clear.
S. S. Scandinavian, N. 42° 16′, W. 63° 59′	29.89	759.2	42	5.6		wnw.			4					0	0	sm'h	wnw	blue sky.
S. S. Sardinian, N. 43° 23′, W. 59° 02′	29.76	755.9	40	4.4		wsw.			1				w.	0	0	sm'h		cloudy.
S. S. Athos, N 33° 08′, W. 74° 34′						wnw.			5		2		nw.	0	0	r'gh	se	hazy.
S. S. Dorian, N. 41° 04′, W. 35° 35′	29.55	750.6	64	17.8		s.			6		10		s.	8 h'r	8 h'r	long	wsw.	overcast.
S. S. California, N. 49° 48′, W. 8° 20′			58.3	14.6		ene.			2		5?		ene.	0	0	mod	e.	clear.?
S. S. St. Laurent, N. 49° 51′, W. 8° 25′	30.09	764.3	51.8	11		ne.			5		1		ne.	0	0	r'gh	ne.	clear.
S. S. Westphalia, N. 48° 39′, W. 19° 50′	30.02	762.5	56	13.3		ssw.			3		2		sw.	0	0	mod	sse.	clear.
S. S. Hammonia, N. 40° 39′, W. 56° 10′	29.85	758 2	52	11.1		w.			4		1			0	0	sm'h	e.	clear.
S. S. Venetian, N. 50° 33′, W. 24° 00′*	30.04	763.0	51	10.6		sse.			4		10		sse.	1 h'r	1 h'r		wnw.	misty.
S. S. Hevelius, Holyhead, Eng†	30.18	766.6	46	7.8		ne.			6		3		ne.	0	0			clear.
S. S. Gottardo, N. 39° 03′, W. 70° 00′ *†	30.10	764.5	58?	14.4?		wsw.			2		0			0	0	light	wsw.	clear.
S. S. Donau, N. 42° 03′, W. 44° 59′	29.46	748.3				nnw.			6		8		nnw.	7 h'r	7 h'r	r'gh	nnw.	cloudy.
S. S. Strassburg, N. 10° 40′, W. 27° 25′			76	24.4	68	ene.			4		10		ene.	0	0	3	ne.	covered.
S. S. Baltimore, N. 49° 52′, W. 4° 52′			50.0	10.0		ene.			4		5		se	0	0	mod.	e.	misty.
S. S. City of Augusta, N. 37° 24′, W. 74° 44′						ene.			3		10		e.	rain	rain			cloudy.
S. S. Belgenland, N. 41° 41′, W. 43° 41′			54	12.2	93	nw.			7				nw.	0	0	h'vy	n.	overcast.
S. S. Rhyniand, N. 40° 25′, W. 70° 44′*†	30.07	763.8	42	5.6	50	nnw.			2		1		nw.	0	0	sm'h		clear.
S. S. Penniand, Antwerp, Belgium			51	10.6	72	n.			1		7		n.	0	0			fair.
S. S. Amsterdam, N. 50° 38′, W. 0° 06′			54.7	12.6	79	calm			0		2		ne.	0	0			fair.
S. S. W. A. Scholten, N. 40° 19′, W. 57° 26′	29.91	759.7	48.9	9.4	93	nnw.			2		7		wnw.	9 h'r	9 h'r	2	nw.	squally.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from.	
District No. 1—North Atlantic.—Continued.																		
S. S. Zaandam, N. 49° 55′ W. 23° 13′	....	....	58.3	14.6	88	ese.	....	....	3	....	9	....	ese.	6 h'r	6 h'r	sm'h	....	drizzling.
S. S. Maasdam, N. 40° 24′, W. 67° 51′*	30.00	762.0	47	8.3	85	w.	....	....	4	....	4	....	w.	0	0	I	w.	fair.
S. S. Baltic, N. 40° 37′, W. 56° 10′ *†	29.91	759.7	....	....	....	nw.	....	....	2	....	2	....	n.	0	0	light	nw.	clear.
Bg. Alcira, Maracaybo, Venezuela	....	....	81	27.2	....	ne.	....	....	2	....	2	....	ne.	0	0	....	....	clear.
S. S. Antonio Lopez, N. 24° 56′, W. 53° 57′	....	....	69.5	20.8	66	n.	....	....	4	....	3	....	....	0	0	mod.	n.	clear.
Schr. Arthur Burton, N. 17° 35′, W. 66° 20′†	30.13	765.3	....	....	....	ene	....	....	3	....	4	....	ene.	0	0	chop	se.	fine.
Schr. Annie R. Lewis, Porto Plata, W.I†	30.08	764.0	79	26.1	....	se.	....	....	2	....	1	....	....	0	0	....	....	clear.
Schr. Annie A. Holton, N 26° 02′, W. 74° 07′	....	....	75	23.9	....	ssw.	....	....	4	....	2	....	sw.	0	0	mod.	sw.	clear.
Bk. Aureola, N. 14° 14′, W. 29° 34′	....	....	74	23.3	76	ene.	....	....	5	....	3	....	ene.	0	0	mod	ene.	clear.
Bk. Abbie Clifford, Port of Spain, Trinidad, W.I†	29.99	761.7	76	24.4	....	calm	....	....	0	....	2	....	e.	0	0	....	....	fine.
Bgt. Achsah, N. 26° 00′, W. 65° 17′†	30.14	765.5	72	22.2	....	ene.	....	....	4	....	4	....	ene.	c	0	long	n.	clear.
Bk. Adelaide, N. 19° 06′, W. 59° 36′	....	....	79	26.1	....	ese.	....	....	2	....	2	....	ese.	0	0	light	ese.	clear.
Schr. Abbie H. Gheen, N. 38° 50′, W. 72° 30′	....	....	55	12.8	....	nw.	....	....	1	....	....	....	....	....	....	....	....	cloudy
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	30.00	762.0	80	26.7	....	ene.	....	....	4	....	6	....	ene.	0	0	....	....	smoky.
S. Cornelius, N. 23° 46′. W. 26° 33′*†	30.24	768.1	68	20.0	....	ene.	....	....	3	....	9	....	....	0	0	long	nw.	cloudy.
Bk. Diamant, N. 43° 10′, W. 34° 49′	29.56	750.7	59.9	15.5	96	sse.	....	....	0	....	10	....	s.	0	0	4	sw.	covered.
S. E. J. Spicer, N. 42° 31′, W 39° 30′	29.21	741.9	63	17.2	94	sse.	....	....	5	....	10	....	ssw.	14 h'r	14 h'r	mod.	var.	raining.
Schr. Edith R. Seward, N. 35° 40′, W. 74° 30′	....	....	60	15.6	....	ese.	....	....	3	....	5	....	se.	1 h'r	1 h'r	mod.	s.	rainy.
S. Ismir, N. 16° 47′, W. 58° 12′	30.17	766.3	....	....	....	ene.	....	....	4	....	2	....	ene.	1 h'r	1 h'r	mod.	e.	fine.
Bg. George, N. 34° 00′, W. 69° 40′*†	30.11	764.8	....	....	....	wsw.	....	....	2	....	10	....	....	0	0	mod.	nw.	cloudy.
Bk. Gloire, N. 4° 08′, W. 48° 20′	29.78	756.4	43	6.1	83	wnw.	....	....	5	....	....	....	nnw.	rain	rain	short	nnw.	cloudy.
S. Grecian, N. 40° 12′, W. 15° 06′ †.	30.10	764.5	54	12.2	87	ene.	....	....	6	....	10	....	e.	light	light	....	....	blue sky.
Bk. Galeon, Barbadoes, W. I†	30.05	763.3	79	26.1	....	ese.	....	....	5	....	1	....	....	0	0	I	nnw.	fine.
S. Hedwig, N. 37° 05′, E. 16° 24′	....	....	63.9	17.7	80	ne.	....	....	3	....	5	....	ne.	0	0	long	se.	foggy.
Bk. Hattie G. McFarland, N. 30° 17′, W. 88° 34′	....	....	72	22.2	....	nw.	....	....	2	....	fg.	....	....	0	0	long	se.	foggy.
S. Henry, N 37° 06′, E 16° 32′*	30.03	762.7	59.9	15.5	....	nne.	....	....	3	8cs	....	....	....	....	....	3	n.	hazy.
Bk. Horace Scudder, Gaboon river, Guinea	....	....	77	25.0	....	wsw.	....	....	1	....	....	....	....	6 h'r	6 h'r	....	....	raining.
Bg. John Wesley, Sagua la Grande, Cuba, W. I *†	30.04	763.0	....	....	....	s.	....	....	1	....	0	....	....	0	0	....	....	hazy.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†	30.08	763.3	....	....	....	nne.	....	....	2	....	0	....	....	....	....	....	....	clear.
Schr. John Bird, N. 22° 23′, W. 84° 56′ *†	30.03	762.7	....	....	....	se.	....	....	5	....	....	....	se.	0	0	mod.	se.	fine.
Schr. Jenny Greenbank, N 20° 26′, W. 74° 28′ *	30.09	764.3	78.5	25.8	....	e.	....	....	2	....	4	....	e.	0	0	mod	e.	fair.
Schr. Jennie R. Morse, Darien, Ga†	30.03	762.7	....	....	....	calm	....	....	0	....	10	....	....	0	0	....	....	....
Schr. Levi S. Andrews, N. 42° 54′, W. 67° 44′ *†	29.90	759.4	46	7.8	....	nnw.	....	....	5	....	2	....	....	0	0	light	sse.	clear.
S. S. Mendoza, N. 28° 51′, W. 66° 18′	....	....	....	....	....	sse.	....	....	1	....	....	....	sw.	0	0	long	nnw.	overcas .
Schr. Martinique, N. 23° 42′, W. 55° 24′	....	....	65?	18.3?	....	ne	....	....	....	....	0?	....	....	0	0	sm'h	....	fair?
Schr. Norena, N. 24° 05′, W. 65° 31′ †.	30.12	765.0	....	....	....	e.	....	....	2	....	3	....	ese.	0	0	light	nw.	clear.
Bk. Rosalie, N. 20° 10′, W. 40° 39′*†	30.14	765.5	....	....	....	e.	....	....	3	....	0	....	....	0	0	light	ne.	clear.
Bkt. Rosebud, N. 21° 22′, W. 23° 50′ *	30.16	766.1	72	22.2	....	nne.	....	....	4	....	5	....	ne.	0	0	long	n.	fine.
S. Salisbury, N. 39° 03′, W. 17° 03′	29.93	760.3	57.7	14.3	90	nne.	....	....	3–4	....	3 k	....	nne.	0	0	long	var.	clear.
Bk Saga, N. 41° 46′, W. 30° 37′†	29.89	759.1	61	16.1	....	....	....	....	6	....	10	....	....	21 h'r	21 h'r	7	....	foggy.
S. Stephen D. Horton, N. 41° 00′, W. 67° 18′†	29.98	761.5	....	....	....	wnw.	....	....	2	....	2	....	nnw.	0	0	sm'h	....	clear.
Bg. Teneriffe, N. 32° 00′, W. 74° 56′	....	....	....	....	....	wnw.	....	....	6	....	2	....	w.	2 h'r	2 h'r	6	sse.	....
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.11	764.8	76	24.4	....	calm	....	....	0	....	3	....	se.	0	0	....	....	clear.
Schr. John Bracewell, N. 42° 30′, W. 70° 15′†	30.04	763.0	39	3.9	....	nnw.	....	....	2	....	0	....	....	0	0	sm'h	ese.	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 22° 38′, E. 15° 24′	29.92	760.0	66	18.9	84	ssw.	14	6.3	....	....	10	....	ssw.	0	0	long	sw.	cloudy.
U. S. S. Shenandoah, S. 52° 28′, W. 68° 28′*	29.66	753.4	48	8.9	85	ssw.	....	....	2	....	0	....	....	....	....	sm'h	....	clear.
H. M. S. Amethyst, Montevideo, Uruguay	29.68	753.9	73.5	23.1	74	n.	....	....	4	....	3	....	sw.	....	....	....	....	misty.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.10	764.5	67	19.4	....	ese.	....	....	3	....	3	....	ese.	....	....	....	....	blue sky.
H. M. S. Sylvia, S. 38° 56′, W. 4° 36′	30.03	762.7	59.7	15.4	91	nnw.	....	....	4	....	10	....	....	....	....	4	nnw.	raining.
Bk Achille F., S. 27° 15′, W. 43° 15′*†	30.28	769 1	74.5	23.6	88	ese.	....	....	5	....	4	....	se.	0	0	....	....	....
Bk. Bore, S. 21° 24′, W. 37° 52′*†	30.30	769.6	85	29.4	....	ese.	....	....	3	....	4	....	se.	3 h'r	3 h'r	sm'h	e.	fair.
S Frank N. Thayer, S. 36° 23′, W. 160 14′ *	30.14	765.5	64	17.8	89	sw.	....	....	5	....	7 k	....	sw.	rain	rain	light	w.	showery.
S. Gatherer. S. 41° 01′, W. 51° 00′ †	29.72	754.9	65	18.3	....	nnw.	....	....	3	....	10	....	se.	2 h'r	2 h'r	sm'h	sw.	cloudy.
Bkt. Levanter, S. 1° 09′. W. 35° 54′	30.02	762.5	82	27.8	....	ene.	....	....	2	....	8	....	e.	3 h'r	3 h'r	light	se.	cloudy.
S. Ringleader, S. 19° 55′, W. 32° 45′†	30.03	762.7	84	28.9	71	se.	....	....	4	....	8	....	se.	light	light	mod.	se.	cloudy.
S. S. Archimedes, (Br) S. 31° 18′, W. 49° 16′	30.00	762.0	....	....	....	ne.	....	....	5	....	5	....	nne.	0	0	long	nne.	fine.
Bk. Xenia, S. 29° 32′, W. 26° 00′ *†	30.30	769.6	72	22.2	....	se.	....	....	2	....	7	....	w.	1 h'r	1 h'r	mod.	w.	cloudy.
H.P.M.S.Rainha de Portugal, Mossamedes, Benguela.	29.81	757.1	74.3	23.5	73	nw.	....	....	4	....	1	....	....	....	....	2	....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, N. 57° 20′, W. 135° 20†	29.84	757.9	39	3.9	73	n.	....	....	I	....	0	....	....	....	....	....	....	clear.
U. S. Naval Hospital, Yokohama, Japan	30.16	766.1	57	13.9	90	calm	....	....	0	....	10	....	w.	0.12	3.0	....	....	sprinkling.
U. S. S. Alert, Shanghai, China	30.20	767.1	59	15.0	88	e.	....	....	1	....	10	....	e.	....	....	....	....	cloudy.
U. S. S. Essex, N. 8° 40′, E. 166° 07′	29.92	760.0	77	25.0	86	se.	....	....	4	....	10	....	ene.	....	....	sm'h	ese.	cloudy.
U. S. S. Juniata, Fernande Island, Corea	30.25	768.3	49	9.4	85	sw.	....	....	1	....	0	....	....	0	0	....	....	clear.
U. S. S. Monocacy, Canton, China	29.92	760.0	70	21.1	90	se.	....	....	2	....	2	....	se.	0	0	....	....	fair.
U. S. S. Richmond, N. 11° 56′, E. 111° 18′	29.91	759.7	82	27.8	83	sse.	....	....	3	....	2	....	se.	0	0	sm'h	....	lightning.
H. M. S. Audacious, Hong Kong, China	29.97	761.2	70	21.1	88	e.	....	....	1	....	2	....	ne.	....	....	....	....	misty.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.16	766.1	62	16.7	77	ene.	....	....	1	....	10	....	....	....	....	1	....	overcast.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 42′	30.08	764.0	60.4	15.8	91	ne.	....	....	3	....	10	....	....	....	....	1	....	squally.
H. P. M. S. Tamega, Macao, China	29.97	761.3	75.2	24.0	79	calm	....	....	0	....	10	....	....	0	0	....	....	overcast.
U. S. S. Palos, Shanghai, China	30.17	766.3	54	12.2	100	ene.	....	....	1	....	8	....	calm	....	....	....	....	fair.
S. S. Newbern, N. 23° 08′, W. 107° 04′	....	....	65	18.3	73	nw.	....	....	2	....	0	....	....	0	0	light	nnw.	clear.
S. S. Arabic, N. 24° 50′, W. 152° 13′ *†	29.85	758.2	72	22.2	90	sw.	....	....	3	....	2	....	sw.	0	0	mod.	nw.	blue sky.
S. S. City of Chester, near Pt Arena, Cal†	29.96	761.0	51	10.6	72	se.	....	....	4	....	10	....	....	0	0	long	sw.	....
S. S. Oregon, N. 40° 36′, W. 124° 36′	....	....	51	10.6	79	wsw.	....	....	2	....	10	....	w.	....	....	sm'h	....	gloomy.
S. S. City of Pekin, N. 41° 20′, E. 156° 50′ †	30.38	771.6	....	....	70	s.	....	....	4	....	10	....	s.	0	0	sm'h	....	overcast.
S. S. City of Rio de Janeiro. N 36° 30′, E. 173° 44′†	30.19	769.8	63	17.2	....	ne.	....	....	5	....	5	....	nne.	....	....	mod	nne.	fair.
S. S. City of Sydney, N. 17° 27′, W. 159° 24′*†	29.94	760.5	69	20.6	80	calm	....	....	0	....	0?	....	....	....	....	light	ne.	fair.
S. S. City of Tokio, N. 37° 40′, W. 126° 10′†	30.01	762.2	52	11.1	79	wnw.	....	....	1	....	....	....	nw.	2 h'r	2 h'r	sm'h	....	clear.
S. S. Colima, N. 13° 55′, W. 91° 22′†	29.94	760.5	77	25.0	73	e.	....	....	2	....	3	....	ne.	0	0	mod	sw.	clear.
S. S. Granada, N. 23° 09′, W. 106° 57′†	29.92	760.0	68	20.0	90	calm	....	....	0	....	4	....	....	0	0	light	w.	foggy.
S. S. San Blas, Panama, Panama†	29.95	760.7	76	24.4	95	nw.	....	....	2	....	7	....	sw.	0	0	....	....	cloudy.
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 16° 33′, W. 73° 38′	29.98	761.5	67	19.4	95	e.	....	....	3	....	10	....	se.	....	....	sm'h	....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.92	760.0	72	22.2	85	n.	....	....	1	....	10	....	....	....	....	....	....	cloudy.
U. S. S. Onward, Callao, Peru *†	30.04	763.0	70	21.1	95	nne.	....	....	1	....	10	....	nne.	....	....	long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	30.22	767.6	59	15.0	76	wsw.	....	....	1	....	0	....	....	....	....	....	....	clear.
U. S. S. Wachusetts, Valparaiso, Chili	30.19	766.8	59	15.0	82	ese.	....	....	1	....	2	....	....	....	....	long	nw.	fair.
H. M. S. Nelson, Sydney, N. S. W.	30.22	767.6	67	19.4	90	w.	....	....	1	....	0	....	....	....	....	....	....	d. clouds.
H. M. S. Sappho, S. 30° 50′, W. 71° 55′	30.19	766.8	65	18.3	84	s.	....	....	0	....	5	s.	....	....	....	6	s.	d. clouds.
S. S. Australia, Sydney, N.S.W*	30.13	765.3	71	21.7	75	var.	....	....	3	....	0	....	....	0	0	....	....	clear.
District No. 5—Indian Ocean.																		
H S. S. Trenton, N. 5° 48′, E. 83° 17′	29.91	759.7	83	28.3	83	ne.	....	....	2	....	8	....	e.	....	....	sm'h	....	cloudy.
H. M. S. Eurydus, Massuah, Abyssinia	29.62	752 3	88	31.1	84	n.	....	....	5	....	3	calm	....	....	....	....	....	misty.
H. M. S. Magpie, S. 9° 08′, E. 75° 55′	29.85	758.2	86.5	30.3	69	e.	....	....	1	....	0	....	....	....	....	3	se.	blue sky.
H. M. S. Myrmidon, Suakin, Egypt	29.70	754 4	83.5	28.6	85	ene.	....	....	3	....	0	....	....	....	....	....	....	blue sky.
S. S. Bracadale, N 13° 00′ E. 43° 14′*	29.70	754.4	85	29.4	....	sse.	....	....	8	....	0	....	....	0	0	high	sse.	clear.
Bk. Childwall, off Kingston N.S.W.*	29.90	759.4	60	15.6	88	wsw.	....	....	0	....	....	....	wsw.	0	0	....	....	fair.
S. J. W. Gildemeister, S. 20° 42′, E. 72° 48′	29.93	760.2	81.5	27.5	80	sw.	....	....	1–2	....	3 k	....	....	0	0	3	ese.	d. clouds.
Bk. Nouva Margherita, S. 13° 11′, E. 102° 04′*†	29.75	755.6	....	....	....	e.	....	....	2–3	....	....	....	s.	rain	rain	r'gh	sw.	cloudy.
S. Orealia, N. 18° 40′, E. 84° 06′ *	29.85	758.2	....	....	....	s.	....	....	4	....	5	....	s.	0	0	mod.	s.	misty.
S. S. Lepanto, N. 14° 21′, E. 50° 19′	29.79	756.7	81	27.2	....	ene.	....	....	4	....	4	....	ene.	0	0	mod.	e.	fair. clear.

International Chart I. April 13, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 14, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
ALGERIAN.																			
Nemours			29.69	754.2	65.1	18.4	75	ne.			3		8			0	0	very cloudy	Roziere.
Algiers			29.65	753.0	64.4	18.0	71	w.			4		4			0	0	cloudy	Théve.
La Calle			29.73	755.1	66.6	19.2	77	e.			4		4			0.197	5.0	cloudy	Fonfrède.
Tunis			29.76	755.8															Delord.
Geriville			29.77	756.1															Forfert.
Laghouat			29.80	756.9	70.2	21.2		s			7		3			0	0	pretty fair	Abraham.
Biskra			29.79	756.7	75.6	24.2	54	e.			1		0			0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia			30.18	766.6	57.7	14.3	68	sw.	12	5.4		10 cs				0.151	3.8	overcast	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.59	751.6	29.78	756.4	60	15.6	89	nw.	15	6.7			8		wnw.	0.10	2.5	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	29.94	760.5	30.04	763.0	59.0	15.0	90	n.	3	1.3			10			0.090	2.3	dull	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.15	740.4	29.68	753.9	66.2	19.0	24	sw.			5		7			0	0		Prof. Ivan Stozir.
Cracow, I. R. Observatory	28.91	734.3	29.67	753.7	50.4	10.2	67	nw.	1.8	0.8			10			0.004	0.1		Dr. Wierzbiski
Eperies	28.82	732.1	29.67	753.7	64.8	18.2	50	s.			3		10 ks			0	0		Julius Mikolik.
Gratz	28.45	722.6	29.67	753.7	60.1	15.6	51	s.			1		8			0	0		Andreas Rospini.
Hermannstadt	28.36	720.3	29.73	755.2	68.0	20.0	38	sse.			4		2			0	0		Prof. A. Gottschling
Kremsmunster, Obs'y	28.37	720.6	29.70	754.4	51.4	10.8	72	ene.			2		10			0.024	0.6		The Staff.
Lemberg	28.72	729.4	29.68	753.9	59.2	15.1	55	sw.			3		10			0.047	1.2		Dr. T. Stanecki.
Pola	29.60	751.7	29.71	754.5	61.3	16.3	63	se.			5		7			0	0		I. R. Hydrographic Office.
Szathmar	29.23	742.4			66.9	19.4	39	sw.			3		5			0	0		Joseph Midlinsky, S. J
Szegedin	29.42	747.2	29.69	754.1	66.9	19.4	55	s.			2		7			0	0		Karl Stancel.
Trieste	29.68	753.8	29.78	756.3	64.4	18.0	54	nw.			1		9			0	0		Royal Academy.
Vienna	29.01	736.8	29.71	754.7	56.8	13.8	55	nnw.			2		10			0	0		I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon					42.6	5.9	65	ene.			3		3			0	0		
Brussels	29.75	755.6	29.95	760.8	47.5	8.6	55	ne.			3		9		ene.	0.004	0.1		
Furnes	29.96	761.0	29.98	761.5				ne.			2		2			0.016	0.4		
Maeseyck	29.84	758.0	29.97	761.2	49.3	9.6	72	ne.			2		10			0	0		
BRITISH.																			
Aberdeen	30.16	766.1	30.26	768.6	44.5	6.9	74	nnw.	19	8.5			10			0.050	1.3	overcast	W. Boswell.
Bidston, Liverpool Obs'y			30.18	766.6	45.5	7.5	73	n.	13	5.8			10					overcast	John Hartnup.
Bolton, Sharples	29.61	752.1	30.16	766.1	44.8	7.1	72	nne.	12	5.4			8					overcast	Thomas Mackereth.
Bradford, Yorkshire	29.75	755.6	30.14	765.5	44.8	7.1	80	ne.			5		10			0.03	0.8	overcast	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.97	761.2	30.00	762.0	83.0	28.3	75	ne.			2		2					d. clouds	Corp'l C. McGregor, A.H.C
Cardington																			John McLaren.
Chatham, School M. E.	29.86	758.4	30.04	763.0	46.3	7.9	69	ne.			1		9			blank	blank	gloomy	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.89	759.2	30.13	765.3	46.0	7.8	63	n.			2		10					overcast	The Staff.
Fort Napier, Natal	27.67	702.8	29.98	761.5	85.0	29.4	38	ne.			1		3					blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	29.55	750.6	29.78	756.4	85.0	29.4	79	se.			1		4					d. clouds	J. W. Smith.
Galway, Queen's College	30.20	767.1	30.24	768.1	48	8.9	78	ne.			4		5			0	0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.69	754.1	29.79	756.7	63.0	17.2	89	nw.			5		7					d. clouds	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.87	758.7	30.04	763.0	48.4	9.1	68	nne.			3		10			blank	blank	overcast	The Staff.
Guernsey	29.73	755.1	30.03	762.7	47.0	8.3	64	nne.			3		7			0	0	d. clouds	A. Collenette, F.R.M.S.
Kew, Observatory	30.02	762.5	30.05	763.3	47.8	8.8	67	nne.	14	6.3			8					d. clouds	The Staff.
Leicester, Museum	29.82	757.4	30.09	764.3	46.0	7.8	84	nne.			1		10					overcast	J. C. Smith.
Malta, Mediterranean	29.51?	749.5?	29.58?	751.3?	63.6	17.6	81	se.			2		6			0	0	d clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.04	763.0	30.08	764.0	79.8	26.6	75	s.			2		7					d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.85	758.2	30.08	764.0	46.0	7.8	78	n.			3		10					overcast	The Staff.
Plymouth	30.02	762.5	30.10	764.5	45.4	7.4	59	ne.			2		10					overcast	John Merrifield.
Sandwick Manse, Orkney	30.18	766.6	30.28	769.1	47.2	8.4	77						10					misty	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.86	758.4	29.92	760.0	59.0	15.0	73	s.			1		3					d. clouds	W. H. Lyne.
Sheffield	29.90	759.4	30.18	766.6	45.1	7.3	84	ne.			3		10					overcast	W. F. Cooper.
Silloth Rectory	30.19	766.8	30.22	767.6	49.5	9.7	78	ne.			4		9			0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory			30.19	766.8	46.0	7.8	62	nne.	16	7.2			10			0.013	0.3	overcast	Rev. S. J. Perry.
Strathfield Turgiss					47.4	8.6	81	ne.			1.0		9					d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	30.22	767.6	30.25	768.3	50.6	10.3	59	nne.	19	8.5			8					d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.30	744.2	29.68	753.9	67.8	19.9	68	se.	14.3	6.4		3 c	5 n	w.	e.	0	0	cloudy	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.89	759.2	30.01	762.2	64.6	18.1	91	e.	21	9.4			10 k		e.	0.284	7.2	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B.	30.00	762.0	30.04	763.0	32.0	0.0		calm	0	0		4 c	0			0	0	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.93	760.2	29.97	761.2	31	−0.6	75	n.	5	2.2		0	0			0	0	clear	H. J. Cundall, C. E.
Chatham, N. B.*	29.98	761.5	30.05	763.3	32	0.0	68	nw.	11	4.9		0	0			0	0	clear	G. A. Blair.
Cornwall, Ontario	29.91	759.7	30.11	764.8	32.3	0.2	83	ne.			1	0	0			0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B.	30.02	762.5	30.07	763.8	30.0	−1.1		w.			2	0	0			0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	30.12	765.0	30.14	765.5	27	−2.8	88	ne.	20	8.9		0	0			0	0	clear	J. McWilliams
Fort Garry, Manitoba*	28.99	736.3	29.84	757.9	37	2.8	96	e.	7	3.1			10 n		e.	0.04	1.0	light rain	James Stewart.
Fredericton, N. B.	30.02	762.5	30.09	764.3	35.0	1.7	54	nw.	8	3.6		0	0			0	0	blue sky	Dr. Thos. Harrison.
Grand Manan, N. B.	30.04	763.0	30.09	764.3	37	2.8	56	nw.	8	3.6		hz.	0			0	0	hazy	J. Chipman Seeley
Granton, Ontario	28.89	733.8	30.02	762.5	39.0	3.9	100	calm	0	0			10 n			0	0	overcast	Jas. Grant.
Halifax, N. S.*	29.90	759.4	30.03	762.7	36	2.2	53	w	7	3.1		2 c	0			0	0	clear	A. Allison.
Hamilton, Ontario	29.60	751.8	30.02	762.5	34.5	1.4	89	ne.			1	10 cs	0	ne.		0	0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.76	755.9	30.11	764.8	32	0.0	78	ne.	7	3.1		0	0			0	0	clear	A. P. Knight, M. A
Little Glace Bay, N. S.	29.84	757.9	29.88	758.9	30.5	−0.8	90	n.			3	3 k	0	nw.		0	0	d. clouds	C. H. Rigby.
London, Ontario	29.10	739.1	30.02	762.5	38.7	3.7	64	ne.			1		10 n			0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T.	27.57	700.3	29.90	759.4	30	−1.1	96	n.	20	8.9		0	7 n			inap.	inap.	d. clouds	John Ewart.
Minnedosa, N. W. T.	27.89	708.4	29.86	758.4	32	0.0	100	n	22	9.8			10 n		n.	0.01	0.3	light snow	Rev. J. M. Wellwood
Montreal, Quebec*	29.94	760.5	30.16	766.1	35	1.7	69	se.	6	2.7		2 cs	0			0	0	fair	C. H. McLeod, C. E.
Ottawa, Ontario	29.92	760.0	30.16	766.1	31.0	−0.6	82	n				0	2 s			0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.37	746.0	30.09	764.3	33	0.6	88	e.	6	2.7		0	0			0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.32	744.7	30.08	764.0	36.7	2.6	68	e.			1		10 k			0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.15	740.4	29.86	758.4	37	2.8	82	ne.	6	2.7			10 n			0	0	cloudy	W. P. Cooke.
Port Dover, Ontario	29.33	745.0	30.04	763.0	37	2.8	90	ne.	8	3.6			10 ks		ne.	0	0	cloudy	H. Morgan.
Port Stanley, Ontario	29.35	745.5	30.01	762.2	40	4.4	67	e.	4	1.8		2 k	8 n	sw.	sw.	0	0	cloudy	M. Payne.
Qu Appelle, N. W. T	27.66	702.6	30.01	762.2	29	−1.7		ne.	20	8.9			10 s		ne.	0	0	cloudy	Leslie Gordon.
Quebec, Quebec*	29.77	756.1	30.14	765.5	33	0.6	92	calm	0	0		0	0			0	0	clear	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.67	753.6	30.15	765.8	29	−1.7	70	e.	2	0.9		4 c	0	w.		0	0	fair	W. H. McIntyre.
St. Andrews, N. B.	30.03	762.7	30.08	764.0	33	0.0	70	nw.	11	4.9		0	0			0	0	clear	
St. John, N. B	29.92	760.0	30.06	763.5	35.3	1.8	59	nw.	8	3.6		0	0			0	0	blue sky	G. Hutchinson.
St. Pierre, N. F.			29.76	756.0	33.1	0.6		ne.			2								The Commandant.
Saugeen, Ontario*	29.29	744.0	30.03	762.7	39	3.9	96	se.	7	3.1			10 ks			0	0	cloudy	
Stratford, Ontario	28.73	729.7	30.05	763.3	36.6	2.6	84	e.	2.7	1.2		10 ck	0	w.		0	0	d. clouds	W. McBride, A. M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper 0–10	Lower 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill	Weather.	Observers
Canadian.—Continued.																			
Sydney, C. B*	29.83	757.7	29.90	759.4	29	— 1.7	70	nw.	8	3.6		0	0			0	0	clear	**T.C.Hill, C.E.**
Toronto, Ontario*	29.70	754 4	30.10	764.5	38	3.3	53	ne.	11	4.9			10 ks		w.	0	0	cloudy	**Magnetic Observatory.**
Woodstock, Ontario	28.97	735.8	30.07	763.8	36.4	2.4	61	e.	9.0	4.0			10 s			0	0	overcast	Prof. N Wolverton, M.A.
Yarmouth, N. S*	30.01	762.2	30.08	764.0	36	2.2	79	nw.	2	0.9		0	0			0	0	fair	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt.House	30.00	762.0	30.03	762.7	69.5	20.8	90	ese.				0	0			0	0	fine	**I. Garfelt.**
Cape Town, The Castle	29.87	758.7			68.0	20.0	56	nw.				1 c	0			0	0		**Capt.R.Gardner Warton**
Springbok Fontein	27.86	707.6			82	27.8	58									0	0		J. T. Eustace
Chilian.																			
Iquique																			**Rafael Moreno.**
Niebla																			**Federico Köhling.**
Punta Caldera																			**Manuel Tobar.**
Punta Corona																			**Francisco Alvarado.**
Quiriquina					51.8	11.0	93	s.			4		8 ks		s.	0	0	fair	**Leon Herrera.**
Valparaiso	29.88	759.0	30.02	762.6	57.9	14.4	84	e.			1	ck	0			0	0	cloudy	**Paez-i-Ampuero.**
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.05	763.2	30.07	763.8	54.3	12.4	95	nne.	7.4	3.3			10 n			0.031	0.8	raining	**M.Marc Dechevrens,S. J**
Danish.																			
Copenhagen	29.84	757.9	29.89	759.1	48.0	8.9	72	nne.	13	6			7						**Oversergent Fischer.**
Fanöe	29.94	760.4	29.96	760.9	45.5	7.5	77	nw.			2		8						**Overloerer Lauridsen.**
Godthaab, Greenland	29.92	760.0	29.97	761.1	35.2	1.8	91	ene.			2		10					hazy	**S. Kleinschmidt.**
Ivigtut, Greenland	29.67	753.5	29.69	754.0	44.2	6.8		calm			0		10					raining	
Stykkisholm, Iceland	30.40	772.2	30.45	773.3	49.6	9.8	80	s.			2		5						**A. O. Thorlacius.**
Thorshavn	30.30	769.7	30.33	770.3	51.4	10.8	73	n.	11	5			3						**Overloerer Berch.**
Upernavik, Greenland	30.00	762.0	30.05	763.2	—33.9	—36.6		e.			2		5						
Vestervig	29.85	758.2	29.94	760.5	49.1	9.5	64	nne.			4		0						**Loerer Oesterbol.**
Egyptian.																			
Cairo	29.79	756.6			73.4	23		nw.	4.0	1.8		0	5 k			0	0		**Albert Ismaiun, Dir.**
French.																			
Agen, Normal School																			M. Laboroe, Director.
Alençon, Normal School	29.45	748.0	30.00	762.0	50.0	10	95	ne.			6		5 kn		sw	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.72	754.9	29.97	761.1	48.6	9 2	60	ne.			6		5		s.	0	0	cloudy	**M.Ungerer, Director.**
Avignon, Normal School	29.56	750.9	29.64	752.9	55.0	12.8	90	n.			1		10			0.500	12.7	raining	M. Giraud, Director.
Bar-sur-Seine	29.26	743.2	29.83	757.6	44.2	6.8	71	e.			1		10		e.	0.20	5.	covered	M. Saillard, Director.
Beauvais, Normal School	29.67	753 7	29.94	760.5	47.5	8.6	48	ne.			4		8		ne.	0	0	very cloudy	M. Frere Eugène Marie.
Besançon, Normal School	28.77	730.8	29.66	753.4	46.8	8.2	81	ne.			4					0	0		M. Gobin, Director.
Bordeaux, Observatory	29.43	747.6	29.70	754.3	50.2	10.1	81	nne.			2		10		n.*	0.319	8.1	covered	M. Rayet, Director.
Bourges, Normal School	29.20	741.6	29.75	755.7	43.5	6.4	71	n.			1		5		n.	0	0	cloudy	**M. Sauvageot,** Director.
Brest, Naval Observatory	29.82	757.4	30.06	763.6	51.4	10.8	86	ne.			4		5		ne.	0.020	0.5		M. de Kermarec, Dir.
Caen, Normal School	29.85	758.3	29.93	760.2	51.8	11.0	90	ne.			2		5		ne.	0	0	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.45	748 1	29.78	756.3	49.6	9.8	76	n.			2		2		ene.	0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.34	745.3	29.87	758 6	56.5	13.6	74	e.			1		5			0	0	½ covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.34	719.7	29.71	754.5	44.6	7.0	94	nw.			1		10			0.028	0.7		M. Alluard, Director.
Cluny, Normal School	28.85	732.8	29.70	754 4	46.9	8 3	83	ne.			1		10		ne.	0.213	5.4		M. de Villemonté, Dir.
Commercy, Normal School	29.01	736.8	29.84	758.0	44.2	6.8	74	e.			4	ck		e.	e.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.12	688.9	29.61	752.0	55.4	13	55	n.			1		6 n			0.051	1.3		M. Jarach, Director.
Grésque, du Rhone	28 49	723.6	29.61	752.1	49.8	9.9	92	se.			1		10		se.	0.650	16.5		M. Kuna, Director.
Grenoble.Normal School	28.91	734.3	29.73	755.2	53.6	12.	83	wsw.			1		n		se.	0	0		M. Ablard, Director.
Guéret, Normal School	28.15	715.0	29.73	755.1	40.3	4.6	90	ne.			1		n		w.	0.24	6.		M. Delorme, Dir.
Lamballe Normal School	29.71	754.6	29.98	761.6	47.1	8.4	92	ne.			6		5 n		ne.	0	0	cloudy	**M. Poilpre, Dir.**
Lescar, Normal School	29.11	739 3	29.68	753.9	52.5	11.4	83	se.			1		10			0.307	7.8	raining	M. Chauvin, Director.
Lorient, Naval Observatory	29.86	758.5	29.97	761 1	51.:	10.6	84	ne.			3		8		ne.	0	0	¾ covered	**L. T. Carre,** Director.
Lyon, St. Genis-Laval	28.62	727.0	29.68	753.8	49.3	9.6	81	n.			2		10 n			0.031	0.8	covered	M. André, Director.
Mans, Normal School	29.60	751.8	29.91	759 7	49.6	9.8	58	ene.			4		2 k		ne.	0	0	slightly cl'dy	M. Richard, Director
Marseille, Observatory	29.31	744.4	29.58	751.3	55.6	13.1	80	e.			1		10		se.	0.575	14.6		M. Stephan, Director.
Montlouis	24.44	620.8	29.28	743 8	37.8	3.2	93	n.	5.6	2.5			10	e.		0.614	15.6		M. Cave for Dr. Fines.
Montpellier, Normal School	29.48	748.9	29.60	751.7	55.4	13.	100	ne.			2		10	n.		0.252	6.4	raining	M. Galzin, Director.
Nancy, Normal School	29.04	737 7	29.83	757.7	46.0	7.8	75	ne.			1					0.126	3.2		**M. Hasse, Director.**
Nantes, Observatory	29.74	755.3	29 90	759 4	52.0	11.1	44	nne.			4		5 k		ne	0	0		M. Larocque, Director.
Perpignan, Observatory	29.52	749.7	29.63	752.6	54.1	12.3	88	ne.	5.3	2.5			10		ne.	0.811	20.6		Dr. Fines, Director.
Pic-du-Midi, Summit	20 85	529.5			29.1	— 1.6		calm			0		5		w.	0.260	6.6	cloudy	**M. Vaussenat, Director.**
Privas, Normal School	28.61	726.6	29.67	753.5	53.6	12.	74	s.			1		5		s.	0	0	cloudy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.79	629.7			32.4	0.2	100	nne.			2		10			0.055	1.4		M. Alluard.
Rochefort, Naval Obs'y	29.75	755.7	29.78	756.5	50.5	10.3	62	ne.			6		10		ne.	0.12	3.	covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.65	753.0	29.86	758.4	50.7	10.4	58	ne.			6				ne.	0.28	7.		M. Brothier, Director.
Rodez, Normal School	27 53	699.2	29.67	753 5	51.4	10.8	74	se.			1		10		nw.			raining	M. Seger, Director.
Rouen, Normal School	29.88	759 0	29.93	760.2	49.6	9.8	74	n.			8		8		nw.	0	0	very cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.72	754.9	29.89	759.1	50.7	10.4	44	ne.			4				ne.	0	0		**M. Renou, Director.**
Toulouse, Observatory	28.96	735.6	29.67	753 7	56.8	13.8	80	ne.			1		10	nw.		0.012	0.3	covered	M. Baillaud, Director.
Tours	29.60	751.9	29.78	756.5	52.9	11.6	60	nne.			4		2	sw.	ne.	0.024	0.6	slightly cl'dy	**M. de Tastes.**
Versailles, Observatory	29.40	746.8	29.89	759.2	47.8	8.8	46	ne.			8		5			0	0	fair	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.58	751.3	29.73	755.1	53.4	11.9	78	nw.	11.9	5.3			10 k		nw.	0.409	10.4	covered	M. Carlier, Director.
German.																			
Ansbach	28.38	720.8	29.85	758.1	45.0	7.2	57	ne.			4		10	ne.		0.016	0.4		Prof. Jnedt.
Bamberg	29.00	736.6	29.84	757.9	45.9	7.7	56	ne.			5		8 ks			0	0		Prof. Dr. Hoh.
Berlin	29.71	754.7	29.86	758 4	48.6	9.2	56	e.			1		9			0.008	0.2		**Meteorological Institute**
Breslau	29.29	744.0	29.82	757.4	44.1	6.7	69	nw.			4		10			0	0		**Royal University Obs'y**
Carlsruhe	29.36	745 8	29.82	757.5	48.2	9.0	56	ne.			3		10	ne.		0.079	2.0		Albert Senz.
Cassel	29.18	741.1	29.89	759 2	48.6	9.2	45	ne.			4		8	ne.		0.020	0.5		Dr. H. Möhl.
Frankfort-on-the-Main	29.52	749 7	29.88	759 0	51.4	10.8	46	ne.			3		10			0.024	0.6		**Physical Society.**
Friedrichshafen	28.29	718.0	29.72	754 8	46.8	8.2	74	ne.			8		10	ene.		0	0		**Wilhelm, Chief Tel.**
Hamburg	29.86	758.5	29.95	760.8	48.2	9.0	61	nnw.			4		9			0.287	7.3		E. Preller.
Kiel	29.93	760.1	29.94	760.5	46.0	7.8	63	ne.			2		1			0	0		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.47	748.6	29.90	759 5	45.0	7.2	73	n.			2		9	n.		0.039	1.0		H. Leppig, Asst.
Magdeburg	29.70	754.3	29.89	759.1	48.2	9.0	72	n.			2		10			0.004	0.1		Weather Observatory.
Memel	29.75	755 0	29.80	756.8	49.6	9.8	44	ne.			4		8 k						Iesermann.
Munich	27.93	709.3	29.77	756 2	43.9	6.6	72	n.			4		10	nw.		0	0		Central Station.
Neufahrwasser	29.76	755.9	29.79	756.6	41.2	5.1	88	n.			5		4			1.201	30.5		A. Lothes.
Neustadt, Palatinate	29.31	744.4	29.83	757 7	49.3	9.6	58	ne.			4		10			0	0		**Prof. Dicknether.**
Stuttgart	28.86	733.0	29.76	755 9	46.0	7.8	65	e.			1		10			0.094	2.4		**Dr. L. Meyer.**
Wustrow	29.89	759.3	29.92	759.9	46.6	8.1	93	nnw.			3		3 s			0	0		**Profs. Brandes & Reimer**
Greek.																			
Athens	29.56	750.7	29.93	760.3	70.3	21.3		n.			1.0	1				0	0		Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.83	757.7	29.88	758.9	90.3	32.4	37	wnw.	23.0	10.3			0			0	0	misty	
Deesa	29.36	745.7	29.82	757 4	97.8	36.6	8	nw.	13.0	5.8			0			0	0	blue sky	
Bombay	29.80	756.8	29.84	757.8	82.8	28.2	75	nw.	19.0	8.5			0			0	0	blue sky	
Poona, Yarrowda	27.96	710.2	29.76	755.8	95.8	35.4	10	nw.	23.0	10.3			2			0	0	d. clouds	
Trichinopoly	29.57	751.0	29.84	757 9	95.3	35.2	33	e.	0.2	0.1			4	nne.	nne.	0	0	d. clouds	
Bellary	28.33	719.5	29.74	755.5	98.0	36.7	16	se.	4.0	1.8			0			0	0	blue sky	
Belgaum	27.31	693.6	29.81	757.1	84.1	28.9	56	wsw.	9.0	4.0			5	n.	e.	0.01	0.3	d. clouds	
Lahore	29.08	738.7	29.82	757 3	86.7	30.4	18	w.	6.0	2.7			0			0	0	blue sky	
Roorkee	28.85	732.7	29.73	755.1	88.7	31.5	7	w.	3.0	1.3			0			0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0-1-0	Clouds. Amount and kind. Upper. 0-10	Clouds. Amount and kind. Lower. 0-10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Agra	29.24	742.6	29.78	756.4	97.1	36.2	22	w.	14.0	6.3			0			0	0	blue sky	
Nagpur	28.70	729.1	29.71	754.6	100.0	37.8	13	calm	3.0	1.3			7		W.	0	0	d. clouds	
Jubbulpore	28.42	721.8	29.73	755.1	96.1	35.6	16	sw.	4.0	1.8			2	sw.		0	0	misty	
Lucknow	29.37	745.9	29.73	755.2	96.0	35.6	10	wnw.	7.0	3.1			0			0	0	misty	
Allahabad	29.39	746.4	29.69	754.1	97.9	36.6	12	nw.					0			0	0	blue sky	
Patna	29.48	748.8	29.66	753.3	98.1	36.7	10	wnw.	7.5	3.4			0			0	0	blue sky	
Hazaribagh	27.73	704 3	29.68	754.0	90.7	32.6	9	nw.	8.0	3.6			0			0	0	blue sky	
Cuttack	29.60	751.9	29.68	753.9	98.6	37.0	32	nne.	5.0	2.2			0			0	0	d. clouds	
Calcutta, Alipore	29.63	752.5	29.65	753.1	95.8	35.4	35	wsw.	3.5	1.6			1			0	0	misty	
Chittagong	29.64	752.7	29.72	755 0	83.1	28.4	80	ssw.	6.4	2.9			1			0	0	misty	
Sibsagar	29.37	740.1	29.71	754 7	75.7	24.3	79	ne.	2.0	0.9			2			0.02	0.5	blue sky	
Jeypore	28.41	721.6	29.82	757.4	01.7	33.2	13	nw.	16.5	7.4			0			0	0	blue sky	
Zanzibar	29.87	758.7	.....	.....	86.7	30.4	55	wsw.	4.1	1.8			3		se.	.....	.....	d. clouds	
ITALIAN.																			
Udine	29.34	745.2	29.74	755.5	63.5	17.5	40	sw.	0.7	0.3			3			0	0		Prof. Giovanni Olodig.
Milan	29.22	742.3	29.74	755.3	55.8	13.2	66	w.	6.9	3.1			10			0	0		Prof. G.V.Schiapparelli
Padua	29.62	752.3	29.72	755.0	59.5	15.3	68	se.	11.9	5.3			10			0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.84	737.4	29.73	755.1	51.8	11.0	87	wnw.	1.3	0.6			10			0.276	7.0		Prof. F. F. Denza.
Genoa	29.50	749.4	29.70	754.3	54.1	12.3	67	n.	8.1	3.6			10		s.	0.004	0.1		Prof. G. M. Garibaldi.
Pesaro	29.65	753.0	29.69	754.2	59.0	15.0	76	se.	11.2	5.0			8			0	0		Prof. Luigi Gindi.
Florence	29.39	746.5	29.64	752.9	64.9	18.3	38	sw.	.....	.....	2		10			0	0		Prof. Costantino Pittei.
Leghorn	29.50	749.4	29.59	751.5	60.8	16.0	52	ne.	3.8	1.7			10		se.	0	0		Prof. P. Monte.
Rome	29.48	748.9	29.66	753.3	61.9	16.6	55	ssw.	11.9	5.3			10			0.236	6.0		Prof. P. Tacchini.
Lecce	29.51	749 6	29.76	755.9	63.7	17.6	54	ssw.	36.0	16.1			5		s.	0	0		Prof. C. de Giorgi.
Cosenza	28.85	732.9	29.74	755.4	62.6	17.0	78	wnw.	3.:	1.4			4		W.	0	0		Prof. D. Conti.
Palermo	29.37	746.0	29.62	752.3	68.5	20.3	49	ne.	3.1	1.4			1		sw.	0	0		Prof. G. Cacciatore
Syracuse	29.69	754.0	29.73	755.1	66.7	19.3	70	e.	7.4	3.3			10		ese.	0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.17	741.0	.....	.....	64.9	18.3	43	ssw.	8.7	3.9			7		ssw.	0	0		Prof. F. Rossi.
Stelvio	21.85	555.0	.....	.....	35.2	1.8	71	sw.	.....	.....	4		10			0	0	covered	Prof. P. F. Denza.
Valdobbia	21 88	555.7	.....	.....	28.6	— 1.9	94	se.	.....	.....	10		10			0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.31	769.8	30.34	770.7	41.4	5.2	92	calm	.....	.....	0	0	0			0	0	clear	H. Hattori.
Awomori	30.27	768.8	30.31	769 9	39.3	4.1	92	s.	0.8	0.4		0	0			0	0	clear	K. Ogawa.
Hakodate	30.28	769.2	30.29	769 5	43.0	6.1	86	w.	12.0	5.4		0	0			0	0	clear	Y. Souma.
Hamamatsu	30.22	767.6	30.32	770.1	52.8	11.6	92	calm	.....	.....	0	0	0			0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.24	768.1	30.26	768.6	57.2	14.0	85	e.	0.9	0.4			10 s		w.	0	0	cloudy	Y. Okamoto.
Kagoshima	30.19	766 8	30.20	767.1	63.0	17.2	72	ene.	.....	.....	4		10 n			0	0	light rain	
Kanazawa	30.18	766.7	30.29	769.4	49.6	9.8	89	ne.	11.4	5.1		0	0			0.016	0.4	clear	S. Endo.
Kioto	30.09	764.4	30.27	768.8	56.1	13.4	82	e.	0.7	0.3		0	2 s			0	0	clear	M. Tojima.
Kochi	30.29	769.3	30.31	769 8	59.1	15.1	74	w.	1.3	0.5		0	8 s			0	0	cloudy	K. Kusunose
Miasaka	30.23	767.8	30.26	768.5	62.3	16.8	75	ene.	.....	.....	2		10 s		e.	0	0	overcast	K. Masusaki & T. Ishiain.
Miyako	30.21	767.2	30.32	770.0	39.0	3.9	98	w.	0.4	0.2		0	9 s			0	0	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.90	761.0	30.16	766 0	65.5	18.6	64	se.	1.8	0.8			10 s			0.010	0.2	overcast	
Nemuro	30.05	763 3	30.10	764.5	34.1	1.2	79	calm	0	0		0	3 s			0	0	fair	A Shibuya.
Niigata	30.29	769.3	30.33	770.4	47.3	8.5	92	e.	1.1	0.4			10ks;s		sw.	0	0	covered	Satoo & Tomikawa.
Nobiru	30.30	769.5	30.31	769.9	45.1	7.3	98	sse.	8.4	3.8		0	0			0	0	clear	Yoshino & Midzushima.
Numadzu	30.30	769.6	30.34	770.6	50.8	10.4	92	nw.	.....	.....	1	0	1 s			0	0	clear	T. Ohgi.
Osaka	30.27	768.8	30.28	769 2	53.0	12.0	77	w	1.0	0.4		0	0			0	0	clear	H. Omura.
Saga	30.13	765.3	30.16	766.1	64.8	18.2	74	nw.	2.2	1.0			9 ks		w.	0	0	cloudy	A. Matsuhayashi.
Sakai	30.24	768.0	30.25	768 2	52.9	11.6	90	ene.	.....	.....	2		10 ks		wnw.	0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	30.14	765 5	30.20	767.2	44.2	6.8	77	se.	1.1	0.5		0	0			0	0	clear	S. Kimura.
Shimonoseki	30.06	763.5	30.20	767.2	58.0	14.4	78	ene.	.....	.....	1		10s;ks			0	0	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	30.26	768 6	30.34	770.6	53.9	12.2	88	ese.	6.3	2.8		0	0			0	0	clear	The Staff.
Wakayama	30.22	767.6	30.27	768.9	53.6	12.6	79	calm	0	0		1 cs	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.66	753.4	29.84	757.9	77.0	25.0	82	e.	10.5	4.7		4ck;cs	4ks;kn	sw.	se.	0.82	20.8	cloudy	The Staff.
MEXICAN.																			
Leon	24.27	616.4	29.98	761.5	54.3	12.4	65	n.	0.9	0.4		9 c	1 s			0	0	covered	M. Leal & M. Pina
Mazatlan	29.06	753.4	29.92	760.1	65.5	18.6	86	wnw.	5.3	2.3		0	0			0	0	clear	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	30.00	762 0	30.00	762.0	49.5	9.7	.....	nne.	.....	.....	3					0.016	0.4		
Groningen	29.93	760.2	29.98	761.6	45.1	7.3	.....	nne.	.....	.....	1					0	0		
Helder	30.00	761.9	30.00	761.9	44.6	7.0	.....	ne.	.....	.....	3					0.094	2.4		
Hellevoetsluis	30.00	761.9	30.00	761.9	50.9	10.5	62	n.	.....	.....	1					0	0		
Utrecht	29.96	760 9	30.00	762.1	49.3	9.6	51	nne.	.....	.....	3		5			0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.84	758 0	.....	.....	82.6	28.1	72	wnw.	1.5	0.7			5			0	0		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29 88	759.0	29.95	760.6	47.5	8.6	70	nnw.	18	8			10			0	0		
Brono	29.80	756.9	29.84	757.9	41.0	5.0	75	sw.	.....	.....	1		10			0	0		
Christiania	29.76	755.9	29.91	759.0	50.9	10.5	56	ssw.	4	2			9			0	0		
Gjesvær	30.03	762.7	30.05	763.3	23 9	— 4.5	.....	ne.	.....	.....	7		10			0.047	1.2		
PORTUGUESE.																			
Funchal, Madeira	30.09	764.3	30.18	766.5	62.6	17.0	61	se.	4.3	1.9			6	n.		0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.48	748.9	29.82	757.4	55.9	13.3	77	nw.	10.1	7.2			10			0.008	0.2		The Staff.
Ponta Delgada, Azores	30.00	762.0	30.07	763.8	62.2	16.8	90	s.	11.2	5.0			10			0	0		
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0		
St. Vincent, Cape Verd Ids.	30.00	763.5	30.10	764.4	70.3	21.3	67	ne.	.....	.....	3		7			.....	.....		
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.105	4.2	foggy	
Serra da Estrella	24.99	634.8	29.73	755.1	43.2	6.2	100	wnw.	4.9	2.2			10			.....	.....		
RUSSIAN.																0	0		Major K. Lasarew.
Akmolinski	29.09	738 8	30.21	767 3	35.4	1.9	84	s.	7	3		7 ck	9 k			blank	blank		Capt. Sselliwerstow
Archangel	29.42	747.2	29.44	747 7	21.6	— 5.8	72	n.	13	6			9 ku			0	0		
Ashurada	29.08	753.8	29.58	751.4	80.8	27.1	57	nnw.	7	3			10 s			0	0		Capt. Wisganow.
Astrakhan	29.72	755.0	29.65	753.2	66.2	19.0	36	ene.	11	5			0			.....	.....		
Baku	29.71	754.5	29.66	753.3	62.8	17.1	59	n.	9	4		2 cs	0			0	0	light clouds	Meteorological Offices.
Barnaul	29.88	759.0	30.41	772.4	33.1	0.6	78	sw.	9	4			3			0	0		
Bielosersk	29.12	739 6	29.61	752.0	23.5	— 4.7	78	nw.	7	3		0	8 ks			0	0		Rosenthal.
Dorpat	29.62	752 4	29.87	758.8	32.9	0.5	46	nne.	7	3		0	4 k			0	0		Meteorological Obs'y.
Ekaterinburg	28.68	728.4	29.04	752.9	43.3	6.3	79	se.	11	5			10 n			0.039	1.0		
Elissawetgrad	29.44	747.4	29.87	758.6	63.0	17.2	34	sw.	7	3		0	5 k			0	0		
Kasalinsk	29.74	755.4	29.92	759.9	70.9	21.6	27	se.	7.8	3.5						.....	.....		Rutkewitsch.
Kasan	29.31	744 5	29.58	751.4	42.1	5.6	73	sw.	11	5		0	7 k			0	0		Observatory.
Kem	29.71	754 7	29.76	756.0	20.5	— 6.4	79	n.	45	20			10 n			blank	blank		
Kerten	29.86	758.4	29.88	759.0	43.0	6.1	87	n.	7	3			10 n			0	0		Tagorio & Sastyrea
Kieff	29.09	738.9	29.71	754.0	62.6	17.0	44	ssw.	22	10		0	8 ks			0.075	1.9		Observatory
Koslov	29.24	742.8	29.76	755.8	38.7	3.7	82	wsw.	11	5		2 cs	0			0.189	4.8		
Lgov	29.24	742.8	29.83	757 0	51.1	10.6	67	sse.	7	3			7			0	0		R. I. Sawaljew, Engin't.
Libau	29.78	756.5	29.81	757 1	46.4	8.0	52	ene.	13	6			10			0	0		E. Quass.
Lugan	29.63	752.7	29.84	757.9	51.4	10.8	55	n.	13	6			8			0	0		Meteorological Obs'y.
Moscow	29.12	739.6	29.60	751.8	39.7	4.3	68	wnw.	9	4			10ksn			0.043	1.1		Meteorological Obs'y.
Nertschinsk	27.93	709.5	30.33	770.3	30.2	— 1.0	31	calm	0	0			8			0	0		
Nikolaiev	29.86	758.4	29.93	760.2	60.4	15.8	47	s.	13	6		0	0			0	0		Capt. Kurdakow.

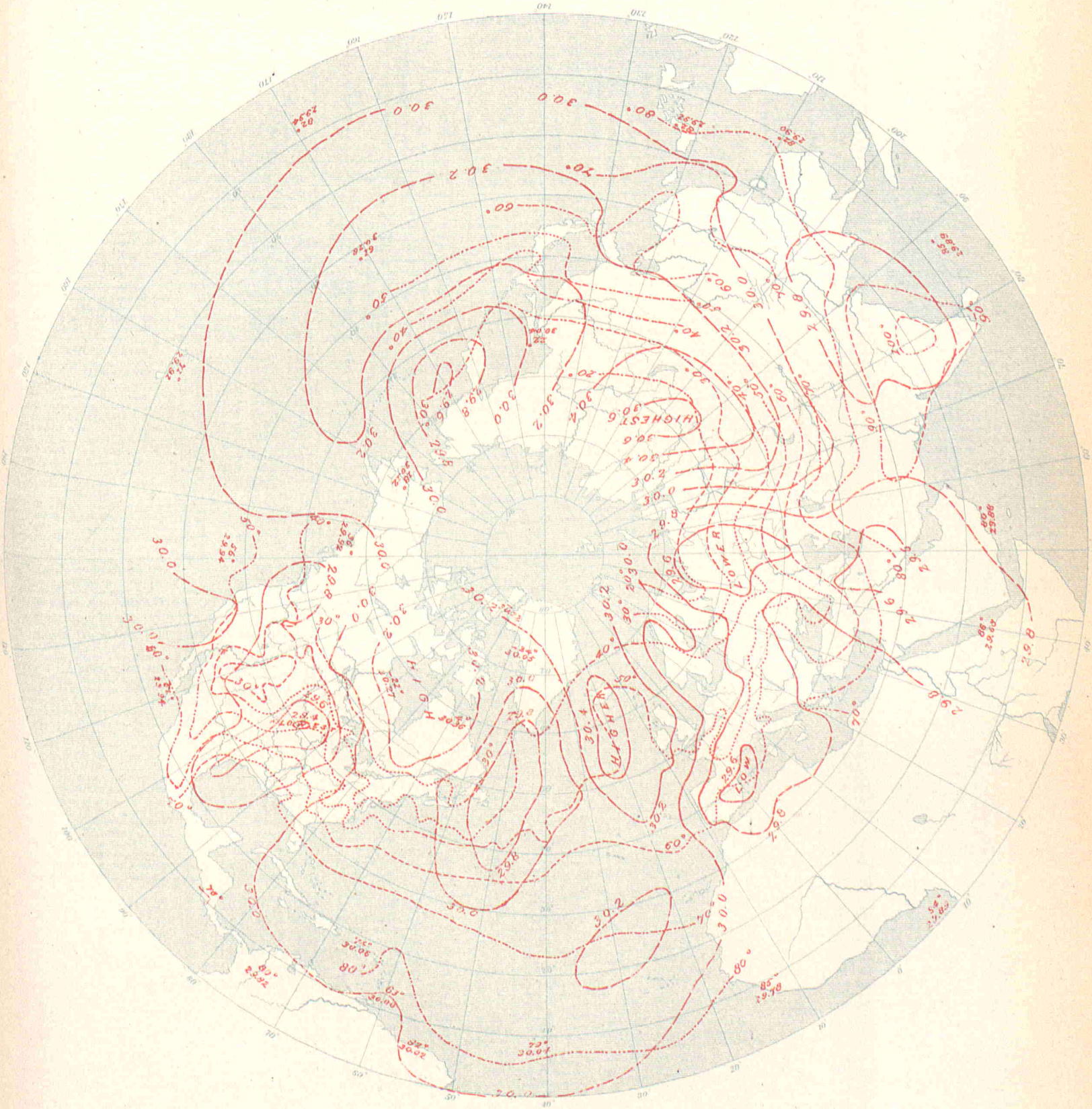
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.95	760.7	30.04	762.9	22.3	— 5.4	68	wnw.	13	6	.....	0	1 s	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	30.07	763.8	30.21	767.4	59.5	15.3	59	calm	0	0	.....	0	5 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.54	750 3	29.87	758.8	79.7	26.5	12	se.	3.4	1.5	.....	0	2 s	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.48	748.7	29.69	754.0	23.4	— 4.8	66	nnw.	22	10	.....	0	8 ks	.....	.....	0.020	0.5	.....	Dr. Bergmann.
Pinsk	29.17	740.9	29.67	753 5	48.6	9.2	99	sw.	18	8	.....	.....	10 n	.....	.....	0.138	3.5	raining.	
Poti	29.68	753.9	29.71	754.7	50.4	10.2	95	s.	9	4	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	29.79	756.6	29.81	757.2	27.9	— 2.3	41	nw.	13	6	.....	0	1 k	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.56	760.0	29.95	760.7	70.9	21.6	29	calm	0	0	.....	2 c	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.74	755.5	30.43	773.0	35.8	2.1	73	e.	9	4	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.65	753.2	29.87	758.6	56.7	13.7	55	nnw.	20	9	.....	.....	0	.....	.....	0	0	.....	
Staroi Bykhov	29.10	739.0	29.65	753.1	46.9	8.3	78	sw.	2	1	.....	.....	10	.....	.....	.....	.....	light rain.	Carl Hagen.
Tashkend, Laboratory	28.43	722.1	30.05	763.3	70.7	21.5	24	n.	9	4	.....	.....	0	.....	.....	.....	.....	.....	Terch, A. M
Tiflis	28.22	716.7	29.59	751.5	66.6	19.2	56	se.	2	1	.....	.....	10	.....	.....	0.083	2.1	.....	Physical Observatory
Vernoe	27.57	700.2	30.04	763.1	58.6	14.8	46	calm	0	0	.....	1 c	0	.....	.....	.....	.....	.....	Larionow.
Viatka	28 81	731.7	29.44	747.8	38.1	3 4	71	s.	9	4	.....	.....	8	.....	.....	0.020	0.5	.....	
Vladivostock	30.14	765.6	30.21	767 3	52.9	11.6	55	ne.	18	8	.....	.....	9 k	.....	.....	0	0	.....	
Warsaw	29.25	743.0	29.68	753.8	47.5	8.6	64	sw.	20	9	.....	.....	10 ks	.....	.....	.....	.....	h'vy clouds	Astronomical Obs'y.
Yeniseisk	30.39	772.0	30.71	780.1	8.2	—13.2	44	s.	2	1	.....	.....	9	.....	.....	blank	blank	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	28.99	736.3	29.51	749.5	40.3	4.6	67	wsw.	14.8	6.6	.....	.....	9	.....	sw.	blank	blank	cloudy..	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.42	747.3	29.53	750.1	54.7	12.6	90	ne.	.....	.....	.....	.....	10	.....	.....	0.496	12.6	rainy	B. Jelin.
Bilbao, Met. Obs'y	29.72	755.0	29.78	756.5	51.1	10.6	94	nw.	2.2	1.0	.....	.....	10	.....	.....	0.559	14.2	covered	Angel de Uraldo.
Burgos, Met. Obs'y	26.80	680.8	29.80	756.9	46.0	7.8	83	n.	8.1	3.6	.....	.....	10	.....	.....	0	0	covered	Domingo Martin.
Madrid, Royal Obs'y	27.43	696.6	29.59	751.6	63.3	17.4	66	sw.	5.8	2.6	.....	.....	10	.....	.....	0.579	14.7	covered	The Staff.
Murcia, Met. Obs'y	29.44	747.8	29.56	750.9	63.5	17.5	72	ne.	2.5	1.1	.....	3	6	w.	.....	0.197	5.0	raining	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.95	735.3	29.85	758.2	51.8	11.0	75	n.	24.8	11.1	.....	.....	9	.....	.....	0.063	1.6	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.96	761.1	30.03	762.8	75.8	24.3	82	ese.	5.6	2.5	.....	0	0	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.87	758.6	29.92	760.0	81.6	27.6	76	ese.	9.9	4.4	.....	0	1 ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.74	755.3	29.84	757.8	61.0	16.1	75	w.	20.1	9.0	.....	.....	10	.....	w.	0.270	6.9	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.97	761.3	30.06	763.6	73.8	23.2	83	calm	0	0	.....	5 s	0	w.	.....	0	0	.....	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	29.97	761.2	30.01	762 2	27.7	— 2.4	71	n.	.....	.....	4	.....	2	.....	.....	0	0	.....	
Umea	30.00	762.1	30.06	763.4	30.6	— 0.8	48	ne.	.....	.....	2	.....	5	.....	.....	0.012	0.3	.....	
Hernosand	30.02	762.4	30.07	763.7	32.4	0.2	54	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Stockholm	29.82	757.3	29.99	761.8	34.9	1.6	63	ene.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Wisby	29.85	758.1	29.91	759.6	44.6	7.0	63	e.	.....	.....	4	.....	7	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.90	759 5	29.99	761.7	35.8	2.1	62	ne.	10.1	4.5	.....	.....	10	.....	nnw.	0.059	1.5	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.24	717.2	29.67	753.7	50.0	10.0	77	n.	.....	.....	2	.....	10	.....	.....	0.020	0.5	covered	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.97	761.2	58.5	14.7	70	ese.	7	3.0	.....	.....	5	.....	n.	0	0	.....	The Observatory.
Valona	.....	.....	29.93?	760.1?	70.3	21.3	.....	sw.	.....	.....	3	.....	2	.....	.....	0	0	slightly cl'y	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.78	756.4	67.8	19.9	73	sw.	.....	.....	3	.....	6 n	.....	sw.	0.40	10.2	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.10	764.5	30.18	766.6	39	3.9	69	nw.	1	0.4	.....	0	hz.	.....	.....	0	0	clear	J. O. Barnes.
Alpena, Michigan	29.34	745.2	30.03	762.7	37.3	2.9	82	se.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.88	631.9	29.80	756.9	27.0	— 2.8	83	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assinnaboine, Ft., Montana	26.86	682.2	29.77	756.1	36.8	2.7	91	w.	16	7.2	.....	.....	10 s	.....	sw.	lnap.	lnap.	cloudy	J.J.O'Connor.
Atlanta, Georgia	28.79	731.3	29.98	761.5	60.0	15.6	93	se.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Beall
Atlantic City, New Jersey	30.14	765.5	30.14	765.5	45.5	7.5	93	e.	1	0.4	.....	0	0	.....	.....	0.01	0.3	clear	B.A.Blundon.
Augusta, Georgia	29.86	758.4	30.05	763.3	59.2	15.1	89	se.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	W.J.Evans.
Baltimore, Maryland	30.14	765 5	30.19	766.8	43.6	6.4	80	sw.	1	0.4	.....	.....	sk.	.....	.....	0.07	1.8	dense smoke	Geo. W. Felger.
Barnegat City, New Jersey	30.18	766.6	30.20	767.1	50.4	10.2	67	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear	J.P.Sherry.
Bennett, Fort, Dakota	28.02	711.7	29.66	753.4	42.5	5.8	97	nw.	7	3.1	.....	.....	10 n	.....	nw.	0.01	0.3	light rain	A. Pritchard.
Benton, Fort, Montana	26.96	684 8	29.82	757.4	36.5	2.5	100	sw.	14	6.3	.....	.....	10 n	.....	.....	0.09	2.3	heavy rain.	U.S.Bennett.
Bismarck, Dakota	27.84	707.1	29.72	754.9	40.8	4.9	92	ne.	7	3.1	.....	.....	10 s	.....	.....	0.15	3.8	cloudy	B. O. Lenoir.
Block Island, Rhode Island	30.17	766 3	30.20	767.1	43.0	6.1	74	s.	5	2.2	.....	hz.	0	.....	.....	0	0	clear	J. T. Elker.
Boise City, Idaho	26.92	683.8	29.76	755.9	39.2	4.0	65	w.	3	1.3	.....	0	8 s	.....	sw.	0.34	8.6	cloudy	James Kenealy.
Boston, Massachusetts	30.02	762.5	30.18	766.6	40.2	4.6	71	nw.	3	1.3	.....	2 c	0	nw.	.....	0	0	clear	O. B. Cole.
Brownsville, Texas	29.51	749.5	29.57	751.1	74.2	23.4	90	sw.	14	6.3	.....	0	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.28	743.7	30.05	763.3	41.2	5.1	80	e.	1	0.4	.....	.....	10 s	.....	e.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	27.69	703.3	29.79	756.7	37.8	3.2	90	ne.	18	8 0	.....	.....	10 s	.....	n.	lnap.	lnap.	cloudy	A. Schneider.
Cairo, Illinois	29.34	745.2	29.75	755.6	60.0	15.6	87	se.	6	2.7	.....	.....	10 s	.....	se.	0.74	18.8	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.45	748.0	29.65	753.1	43.0	6.1	100	se.	12	5.4	.....	.....	10 n	.....	.....	0.23	5.8	light rain	J.H.Young.
Cape Henry, Virginia	30.15	765 8	30.17	766.3	49.0	9.4	86	n.	12	5.4	.....	0	0	.....	.....	0.08	2.0	clear	A. K. Alderson.
Cape May, New Jersey	30.13	765.3	30.16	766.1	47.0	8.3	93	e.	1	0.4	.....	0	hz.	.....	.....	0.05	1.3	clear	W.E.Smith.
Cape Mendocino, California	29.17	740.9	29.86	758.4	44.8	7.1	100	se.	31	13.9	.....	.....	10 n	.....	.....	0.74	18.8	heavy rain.	A. P. Leavitt.
Cedar Keys, Florida	29.99	761.7	30.01	762 2	70.2	21.2	94	se.	8	3.6	.....	.....	10 k	.....	se.	0	0	threatening.	G. W. Davis.
Charleston, S. Carolina	30.02	762 5	30.08	764.0	61.5	16.4	87	e.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.24	742 7	30.10	764.5	50.4	10.2	90	e.	6	2.7	.....	.....	10 s	.....	ne.	0	0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.05	737.9	29.88	758.9	61.0	16.1	87	e.	12	5.4	.....	.....	10 ks	.....	se.	0	0	threatening.	B. L. Gouldin.
Cheyenne, Wyoming	23.71	602.2	29.73	755 1	30.1	— 1.1	55	nw.	16	7.2	.....	0	0	.....	.....	lnap.	lnap.	clear	E. McGovern.
Chicago, Illinois	28.99	736.3	29.72	754.9	46.2	7.9	84	e.	11	4.9	.....	6 c;k	3 ks	sw	sw.	lnap.	lnap.	cloudy	T.B.Jennings.
Chincoteague, Virginia	30.15	765.8	30.17	766.3	45.3	7.4	100	ne.	7	3.1	.....	0	fg.	.....	.....	0.05	1.3	clear	O. F. Dickens
Cincinnati, Ohio	29.22	742.2	29.89	759.2	53.0	11.7	83	e.	3	1.3	.....	.....	10 s	.....	e.	0	0	cloudy	L.Dunne.
Cleveland, Ohio	29.25	742 9	30.01	762 2	48.2	9.0	66	se.	10	4.5	.....	0	sk.	.....	se.	0	0	clear	W.Line.
Columbus, Ohio	29.07	738 4	29.94	760.5	50.2	10.1	86	e.	8	3.6	.....	.....	10 s	.....	e.	0	0	cloudy	F.T. Williams,
Concho, Fort, Texas	27.83	706 9	29.77	756.1	58.1	14.5	39	nw.	20	8.9	.....	0	2 k	.....	nw.	0	0	clear	C. E. King.
Custer, Fort, Montana	26.54	674.1	29.72	754.9	30	— 1.1	88	se.	2	0.9	.....	.....	hz.	.....	.....	0	0	dense haze.	W.J.Daily.
Davenport, Iowa	28.91	734.3	29.58	751.3	56.0	13.3	74	s.	11	4.9	.....	0	9 ks	.....	sw.	0.01	0.3	cloudy	R. R. Martin.
Davis, Fort, Texas	25.12	638.0	29.90	759.4	46.0	7.8	86	sw.	16	7.2	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty	27.99	710.9	29.75	755 6	38.5	3.6	100	sw.	3	1.3	.....	.....	10 n	.....	sw.	0.25	6.3	light rain	H.S.Blandford.
Deadwood, Dakota	25.05	636 3	29.74	755.4	34.2	1.2	79	e.	2	0.9	.....	0	8 k	.....	w.	lnap.	lnap.	cloudy	G.Kingsbury.
Delaware Breakwater, Del	30.17	766.3	30.19	766.8	44.1	6.7	100	se.	2	0.9	.....	0	fg.	.....	.....	0.02	0.5	clear	G.A.Martin.
Denver, Colorado	24.48	621.8	29.75	755.6	34.0	1.1	60	s.	12	5.4	.....	0	0	.....	.....	0.12	3.0	clear	F. M. Neal.
Des Moines, Iowa	28.51	724.1	29.14	747 8	52.8	11.6	82	se.	8	3.6	.....	.....	10 s	.....	se.	0.17	4.3	cloudy	F. W. Conrad.
Detroit, Michigan	29.24	742.7	29.97	761.2	45.0	7.2	76	e.	6	2.7	.....	7 c	0	se.	.....	0	0	fair	N.B.Conger.
Dodge City, Kansas	27.09	688.1	29.72	755.1	41.4	5.2	73	w.	7	3.1	.....	3 cs	0	.....	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	28.91	734.3	29.64	752.8	50.8	10.4	86	e.	4	1.8	.....	.....	10 n	.....	se.	0.62	15.7	thund'rst'm	A.W.Browne.
Duluth, Minnesota	29.03	737.3	29.80	756.9	34.6	1.4	91	ne.	8	3.6	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	E.R.Brace.
Eastport, Maine	30.02	762.5	30.09	764.3	36.5	2.5	52	nw.	9	4.0	.....	1 c	0	nw.	.....	0	0	clear	D. C. Murphy.
Elliott, Fort, Texas	26.96	684.8	29.71	755 4	47	8.3	58	nw.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.15	664 2	29.89	759.2	45.2	7.3	51	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.29	744.0	30.04	763 0	45.5	7.5	78	se.	2	0.9	.....	.....	10 s	.....	s.	0	0	cloudy	P. Wood.
Escanaba, Michigan	29.20	741.7	29.89	759.2	38.0	3.3	82	e.	4	1.8	.....	.....	10 n	.....	.....	0.02	0.5	light rain	L.M.Pindell.
Fort Smith, Arkansas	29.14	740.1	29.62	752 3	58.5	14.7	93	s.	2	0.9	.....	.....	10 s	.....	s.	0.20	5.1	cloudy	J. B. Campbell.
Galveston, Texas	29.65	753.1	29.69	754.1	71.0	21.7	96	se.	10	4.5	.....	.....	10 n	.....	se.	0.05	1.3	light rain	E. O'C. Macinerney
Grand Haven, Michigan	29.16	740.7	29.85	758.2	46.0	7.8	64	ne.	13	5.8	.....	.....	10 s	.....	s.	0.02	0.5	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25 14	638.5	29.87	758.7	39.2	4.0	44	se.	4	1.8	.....	.....	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	30.11	764.8	30.12	765.0	50.3	10.2	93	ne.	16	7.2	.....	.....	9 k	.....	ne.	lnap.	lnap.	cloudy.	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.56	649.2	29.77	756.1	35	1.7	66	nw.	4	1.8	.....	.....	10 n	.....	.....	0.07	1.8	light snow..	S. W. Morrison.
Huron, Dakota	28.09	713.5	29.54	750.3	44.2	6.8	90	ne.	5	2.2	.....	.....	10 ks	.....	n.	0.70	17.8	cloudy.....	S. W. Glenn.
Indianapolis, Indiana	28.99	736.3	29.81	757.2	52.3	11.3	77	se.	5	2.2	.....	.....	10 s	.....	se.	0.02	0.5	cloudy..	C. F. R. Wappenhans.
Indianola, Texas	29.53	750.0	29.56	750.8	72.0	22.2	97	se.	21	9.4	.....	0	4 ks	.....	.....	0.07	1.8	clearing	I. A. Reed.
Jacksonville Florida	29.99	761.7	30.03	762.7	68.0	20.0	73	ne.	3	1.3	.....	0	5 k	.....	e.	0.24	6.1	fair.....	J. W. Smith.
Keokuk, Iowa	29.90	734.0	29.57	751.1	58.4	14.7	77	s.	16	7.2	.....	0	5 k	.. ..	s.	0	0	fair.....	F. Z. Gosewisch.
Key West, Florida	30.00	762.0	30.02	762.5	77.8	25.4	87	se.	9	4.0	.....	0	0	.....	.....	0	0	clear.....	J. Harvey Smith.
Kittyhawk, North Carolina	30.13	765.3	30.15	765.8	47.2	8.4	90	n.	14	6.3	.....	0	hz.	.....	.....	0.44	11.2	clear.....	Wesley Blake.
Knoxville, Tennessee	28.90	734.0	29.94	760.5	50.3	10.2	90	ne.	5	2.2	.....	10 cs	0	sw..	.....	0	0	cloudy.....	J. A. Cody.
La Crosse, Wisconsin	28.79	731.3	29.59	751.6	48.3	9.1	86	e.	6	2.7	.....	.....	10 s	.....	s.	0.80	20.3	cloudy..	S. C. Emery.
Leavenworth, Kansas	28.63	727.2	29.54	750.3	51.5	10.8	72	sw.	9	4.0	.....	0	3 k	.....	sw.	0	0	clear.....	C. Dill.
Lewiston, Idaho	28.98	736.1	29.83	757.7	43.6	6.4	88	calm	0	0	.....	.....	10 n	.....	.....	0.55	14.0	light rain....	C. E. Butler.
Little Rock, Arkansas	29.32	744.7	29.64	752.8	62.9	17.2	94	s.	1	0.4	.....	.....	10 ks	.....	s.	2.27	57.7	cloudy.....	W. U. Simons.
Los Angeles, California	29.66	753.4	30.06	763.5	52.5	11.4	90	e.	4	1.8	.....	.....	10 ks	.....	se.	0	0	cloudy.....	T. S. Collins
Louisville, Kentucky	29.25	742.9	29.82	757.4	56.0	13.3	71	se.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.44	747.8	30.15	765.8	50.0	10.0	86	se.	3	1.3	.....	.....	10 s	.....	s.	0.08	2.0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.33	745.0	30.01	762.2	36.5	2.5	83	se.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy.....	D. B. Notson.
Macon, Fort, North Carolina	30.12	765.0	30.13	765 3	49.8	9.9	93	n.	16	7.2	.....	.....	10 s	.....	ne.	0.01	0.3	cloudy.....	William Daly.
Maginnis, Fort, Montana	25.37	644.4	29.87	758.7	35.0	1.7	40	ne.	6	2.7	.....	.....	10 k	.....	ne.	0	0	cloudy	F. Burke.
Marquette, Michigan	29.19	741.4	29.94	760.5	30.5	4.2	56	s.	1	0.4	.....	.....	10 k	.....	s.	0	0	cloudy	J. Gilligan.
Memphis, Tennessee	29.35	745.5	29.69	754.1	64.0	17.8	93	se.	4	1.8	.....	hz.	9 ks	.....	se.	2.02	51.3	cloudy.....	D. T. Flannery.
Milwaukee, Wisconsin	28.97	735.8	29.74	755.4	40.8	4.9	92	se.	19	8.5	.....	.....	10 n	.....	sw.	0.03	0.8	light rain....	S. W. Rhode.
Mobile, Alabama	29.84	757.9	29.88	758.9	71.6	22.0	93	s.	10	4.5	.....	.....	10 s	.. ..	s.	0	0	cloudy.....	H. U. Jones.
Montgomery, Alabama	29.62	752.3	29.85	758.2	69.7	20.9	93	se.	5	2.2	.....	.....	10 ks	.....	s.	inap.	inap.	cloudy.....	S. M. Leitzell.
Moorhead, Minnesota	28.66	728.0	29.69	754.1	40.5	4.7	86	ne.	4	1.8	.....	.....	10 n	.....	.....	inap.	inap.	light rain	L. M. Dey.
Mt. Washington, N. H.	23.71	602.2	30.12	765.0	14.0	—10.0	76	nw.	30	13.4	.....	0	0	.....	.....	0	0	clear.....	E. A. Beals.
Nashville, Tennessee	29.28	743.7	29.86	758.4	59.0	15.0	93	e.	4	1.8	.....	.....	10 n	.....	se.	0.44	11.2	thnd'r storm	L. N. Jesunofsky
New Haven, Connecticut	30.07	763 8	30.19	766.8	39.2	4.0	87	ne.	4	1.8	.....	3 c	0	w.	.....	0	0	clear.....	J. H. Sherman.
New London, Connecticut	30.15	765.8	30.20	767.1	41.5	5.3	78	nw.	1	0.4	.....	0	fg.	.....	.....	0	0	clear.....	J. G. Lynch.
New Orleans, Louisiana	29.73	755.1	29.79	756.7	74.0	23.3	90	s.	5	2.2	.....	.....	10 ks	.....	s.	0	0	cloudy.....	M. Herman.
New York, New York	30.01	762.2	30.19	766.8	43.2	6.2	76	sw.	2	0.9	.....	0	4k;fg	.....	sw.	0	0	fair.....	W. Finn.
Norfolk, Virginia	30.12	765.0	30.15	765.8	49.2	9.6	88	calm	0	0	.....	0	4 s	.....	ne.	0.12	3.0	fair.....	Wm. Davis.
North Platte, Nebraska	26.65	676.9	29.61	752.1	40.6	4.8	84	w.	12	5.4	.....	0	5 s	.....	.....	0.05	1.3	fair.....	E. F. Brady.
Olympia, Washington Ter	29.66	753.4	29.70	754.4	38.5	3.6	94	calm	0	0	.....	5 ck	0	sw.	.....	0.42	10.7	fair.....	J. Dascomb
Omaha, Nebraska	28.17	715.5	29.38	746.2	49.0	9.4	87	s.	7	3.1	.....	.....	10 ks	.....	s.	0.03	0.8	cloudy.....	A. Pollak
Oswego, New York	29.76	755.9	30.10	764.5	38.0	3.3	77	se.	10	4.5	.....	0	9 k	.....	w.	0	0	cloudy.....	J. G. Linsley.
Palestine, Texas	29.09	738.9	29.65	753.1	69.2	20.7	100	s.	6	2.7	.....	.....	10 n	.....	s.	0.10	2.5	thund'r st'm	P. T. Jenkins.
Pensacola, Florida	29.85	758.2	29.88	758.9	70.3	21.3	95	s	13	5.8	.....	.....	10 s	.....	s.	inap.	inap.	cloudy.....	M. McGauran.
Philadelphia, Pa	30.06	763.5	30.19	766.8	42.0	5.6	100	nw.	4	1.8	.....	.....	fg.	.....	.....	0	0	dense fog....	T. F. Townsend.
Pike's Peak, Colorado	17.45	443.2	29.73	755.1	— 2.5	—19.2	89	nw.	38	17.0	.. ..	0	0	.....	.....	0.02	0.5	clear.....	H. Hall.
Pittsburg, Pennsylvania	29.20	741.7	30.03	762.7	48.2	9.0	70	e.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	35.8	2.1	100	.....	.....	.....	.....	.....	10 n	.....	e.	0.06	1.5	light rain....	Geo. A. Carden.
Port Huron, Michigan	29.26	743.2	29.96	761.0	41.4	5.2	73	e.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy.....	M. H. Perry
Portland, Maine	30.11	764.8	30.16	766.1	41.0	5.3	57	nw.	4	1.8	.....	0	hz.	.....	.....	0	0	clear.....	W. W. Eichelberger.
Portland, Oregon	29.65	753.1	29.72	754.9	43.5	6.4	81	s.	11	4.9	.....	.....	10 n	.....	.....	0.82	20.8	light rain....	M. L. Hearne.
Prescott, Arizona	24.62	625.3	29.88	758.9	31.2	— 0.4	85	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	J. Glover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. N. Kitchel.
Red Bluff, California	29.57	751.1	29.93	760.2	48	8.9	93	s.	20	8.9	.....	0	4 ks	.....	s.	0.01	0.3	fair.....	J. R. Williams.
Rio Grande City, Texas	29.39	746.5	29.63	752.6	71.0	21.7	92	se.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	L. G. Schultz.
Rochester, N. Y	29.40	746.7	30.09	764.3	35.6	2.0	70	se.	4	1.8	.....	.....	10k; sk	.....	w.	0	0	cloudy.....	E. W. McGann.
Roseburg, Oregon	29.24	742.7	29.80	759.9	41.3	5.2	92	nw.	2	0.9	.....	.....	10 n	.....	sw.	0.36	9.1	light rain....	J. J. Nanry.
Sacramento, California	29.94	760.5	30.01	762.2	49.9	9.9	88	se.	6	2.7	.....	.....	10 s	.....	w.	0.01	0.3	cloudy.....	J. A. Barwick.
St. Louis, Missouri	29.06	738.1	29.69	754.1	59.0	15.0	87	se.	18	8.0	.....	.....	10 s	.....	se.	0.23	5.8	cloudy.....	J. H. Weber.
St. Michael, Fort, Alaska	30.09	764.3	30.12	765.0	18	— 7.8	100	sw.	26	11.6	.....	.....	10 s	.....	sw.	0	0	cloudy.....	Fred. H. Clarke
St. Paul, Minnesota	28.69	728.7	29.57	751.1	46.8	8.2	90	e	13	5.8	.. ..	.....	10 n	.....	se.	0.13	3.3	light rain....	P. F Lyons.
St. Vincent, Minnesota	28.92	734.6	29.83	757.7	38	3.3	100	calm	0	0	.....	.....	10 n	.....	.....	0.14	3.6	light rain....	C. B. Dilley.
Salt Lake City, Utah	25.40	645.1	29.76	755.9	40.5	4.7	91	se.	4	1.8	.....	.....	10 n	.....	.....	0.22	5.6	light rain....	J. Craig.
San Diego, California	29.98	761.5	30.04	763.0	51.8	11.0	85	ne.	4	1.8	.....	.....	10 s	.....	sw.	0	0	cloudy.....	F. R. Day.
Sandusky, Ohio	29.28	743.7	29.98	761.5	46.8	8.2	72	e.	7	3.1	.....	5 ck	2 s	e.	.....	0	0	fair.....	B. F. Hough.
Sandy Hook, New Jersey	30.16	766.1	30.19	766.8	48.0	8.9	74	s.	9	4.0	.....	0	0	.....	.....	0	0	clear.....	V. P. Chappel.
Sanford, Florida	29.94	760.5	29.99	761.7	70.0	21.1	77	calm	0	0	.....	0	fg.	.....	.....	0	0	clear.....	J. B. Marbury
San Francisco, California	29.94	760.5	30.01	762.2	53.8	12.1	88	s.	4	1.8	.....	.....	10 s	.....	sw.	0.05	1.3	cloudy.....	N. Gorom.
Savannah, Georgia	29.96	761.0	30.05	763.3	63	17.2	84	e.	7	3.1	.....	2 c	0	w.	.....	0	0	cloudy.....	H. W. Ford.
Shaw, Fort, Montana	30.16	664.5	29.83	757.7	32	0.0	81	nw.	23	10.3	.....	.....	10 s	.....	n.	inap.	inap.	cloudy.....	A. L. Mathews
Shreveport, Louisiana	29.45	748.0	29.69	754.1	70.4	21.3	89	calm	0	0	.....	.....	10 s	.....	s.	0	0	clear.....	E. N. Meekins.
Sitka, Alaska	29.85	758.2	29.92	760 0	35.6	2.0	60	ne.	2	0.9	.....	0	0	.....	.....	inap.	inap.	cloudy.....	F. W. Fickett.
Smithville, North Carolina	30.10	764.5	30.14	765.5	53.2	11.8	88	ne.	9	4.0	.....	.....	10 s	.....	e.	0.25	6.3	light rain....	O. Parker.
Spokane Falls, Wash. Ter.	27.70	703.6	29.76	755.9	42.0	5.6	92	calm	0	0	.....	.....	10 n	.....	.....	0	0	cloudy.....	D. Moore.
Springfield, Illinois	29.02	737.1	29.72	754.9	58.1	14.5	79	s.	20	8.9	.....	.....	10 s	.....	s.	0	0	cloudy.....	W. Norrington.
Stockton, Fort, Texas	26.82	681.2	29.84	757.9	56.3	13.5	66	w	15	6.7	.....	.....	10 s	.....	.....	0	0	cloudy.....	J. W. Byram.
Tatoosh Id., Wash. Ter	29.58	751.3	29.67	753.6	43.4	6.3	82	e.	8	3.6	.....	0	8k; ks	.....	e.	0.31	7.9	cloudy.....	R. Connor.
Thomas, Camp, Arizona	27.23	691.6	29.96	761.0	30	2.2	64	calm	.....	.....	0	0	0	.....	.....	0	0	clear.....	R. C. Lord.
Toledo, Ohio	29.23	742.4	29.94	760.5	44 8	7.1	75	ne.	3	1.3	.....	6 cs	3 ks	nw.	se.	0	0	cloudy.....	A. Buell.
Unalashka, Alaska	30.18	766.6	30.20	767.1	33	0.6	68	nw.	20	8.9	.....	0	4 s	.....	nw.	0	0	fair.....	Samuel Applegate
Vicksburg, Mississippi	29.49	749.0	29.75	755.6	72	22.2	84	calm	0	0	.....	.....	10 s	.....	s.	0.01	0.3	cloudy.....	F. W. Mixer.
Washington, D. C	30.08	764.0	30.20	767.1	37.7	3.2	96	nw.	2	0.9	.....	.....	fg.	.....	.....	0.08	2.0	dense fog....	T. B. Harrison.
West Las Animas, Colorado	25.78	654.8	29.72	754.9	30	— 1.1	84	w.	0	2.7	.....	0	0	.....	.....	0.07	1.8	clear.....	F. H. Brandenburg
Wilmington, N Carolina	30.10	764.5	30.16	766.1	51.0	10.6	85	e.	4	1.8	.....	.....	10 s	.....	ne.	0	0	cloudy.....	L. H. Albrecht.
Yankton, Dakota	28.12	714.2	29.46	748.3	45.3	7 4	95	n.	10	4.5	.....	.....	10 n	.....	n.	0.68	17.3	light rain....	E. H. Thompson.
Yuma, Arizona	29.78	756.4	29.93	760.2	51.0	10.6	72	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.57	751.1	29.59	751.6	33.2	0.7	.....	sw.	10	7.2	.....	.....	10 n	.....	.....	0.32	8.1	cloudy.....	George Cheruick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	84	28.9	.....	ne.	.....	.....	2	3 cs	2 ks	.....	ne.	0	0	fair.....	W. F. Jackson.
Bogota, U. S. C	21.89	556.1	.....	.....	55.4	13.0	87	calm	0	0	.....	.....	10 pk	.....	nw.	0	0	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.20	767.1	30.36	771.1	4	—15.6	100	s.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.04	763.0	73	22.8	82	n.	3	1.3	.....	.....	10 s	.....	e.	0	0	cloudy.....	Robert Johnston.
Paramaribo, S. A	30.02	762.5	30.02	762.5	82	27.8	74	e.	.....	.....	2	3 c	5 k	e.	.....	0.020	0.5	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.26	743.2	29.82	757.4	80	26.7	89	n.	.....	.....	1	.....	10 k	.....	calm	0	0	foggy.....	Francisco J. Olmedo.
Rivas, Nicaragua, C. A	29.85?	758.2?	30.01?	762.2?	78	25.6	86	ne.	.....	.....	1	.....	1 ks	.....	ne.	0	0	clear.....	Earl Flint.
York Factory, B. A	30.20	767.1	30.27	768.8	—21.0	—29.4	.....	nw.	13	5.8	.....	4 k	6 s	n.	nw.	0.01	0.3	snowing.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill	Character.	Direction from	
District No. 1—North Atlantic																		
S. S. Alvo, Jeremie, Hayti, W.I.	.....	.....	75	23.9	.....	nnw.	.....	.....	3	.....	6	.....	calm	2 h'r	2 h'r	long	n.	d. clouds.
S. S. Alps, Point Morant, Jamaica, W. I*†	30.00	762 0	86	30.0	.....	ese.	.....	.....	3	.....	4	.....	ese.	rain	rain	chop	se.	fine.
S. S. Ailsa, N. 23° 14′, W. 74° 25′	.....	.....	76.5	24.7	91	ne.	.....	.....	2	.....	.....	.....	ne.	o	o	sm'h	.....	fine.
S. S. Abyssinia, N. 41° 58′, W. 55° 03′ *	29.81	757.2	39	3.9	82	nnw.	.....	.....	5	.....	5	.....	nw.	4 h'r	4 h'r	sm'h	.....	fair.
S. S. Bohemia, N 40° 38′, W. 51° 58′*†	30.10	764.5	.....	.....	.....	n.	.....	.....	5–7	.....	6	.....	nnw.	3 h'r	3 h'r	h'vy	nnw.	fair.
S. S. City of Washington, Vera Cruz, Mexico*†	29.88	758.9	84	28.9	.....	w.	.....	.....	3	.....	5	.....	e.	o	o	.....	.....	fair.
S. S. Canada, (Fr) N. 48° 23′, W. 23° 15′†	30.28	769 1	54	12.2	100	se.	.....	.....	4	.....	0	.....	.....	o	o	light	se.	hazy.
S. S. Circassian, N. 43° 30′, W. 60° 38′	29.94	760.5	34	1.1	90	nw.	.....	.....	5	.....	.....	.....	nw.	.....	.....	2	nw.	clear.
S. S. Cienfuegos, Nassau, Bahamas, Atlantic	30.09	764.3	77	25.0	.....	ese.	.....	.....	2	.....	2	.....	ese.	o	o	.....	.....	clear.
Bk. C. S. Bushnell, N. 37° 41′, W. 18° 52′	30.14	765 5	.....	..	.....	nw.	.....	.....	3	.....	8	.....	wsw.	o	o	sm'h	wnw.	cloudy.
S. S. Denmark, N. 41° 10′, W. 50° 17′†	29.69	754.1	52	11.1	78	wnw.	.....	.....	6	.....	4	.....	wnw.	4 h'r	4 h'r	mod	wnw.	clear.
S. E. B. Sutton, N. 37° 25′, W. 52° 30′*†	29.83	757.7	57	13.9	67	nnw.	.....	.....	5	.....	10	.....	nw.	3 h'r	3 h'r	h'vy	r'gh	light rain.
S. S. Elbe, N 44° 53′, W. 34° 36′	.....	.....	46.4	8.0	.....	wnw.	.....	.....	3	.....	2	.....	nnw.	2 h'r	2 h'r	long	nw.	fair.
S. S. Elder, Bremerhaven, Germany*	30.00	762.0	47.3	8.5	.....	nne.	.....	.....	2	.....	2?	.....	n.	o	o	.....	.....	cloudy.?
S. S. Fulda, N. 45° 02′, W. 35° 47′	30.05	763.2	50.7	10.4	80	nw.	.....	.....	2	.....	2	.....	nw.	1 h'r	1 h'r	mod.	nw.	clear.
S. S. Gellert, N. 43° 35′, W. 38° 36′	29.97	761.2	50.0	10.0	.....	wsw.	.....	.....	3	.....	3	.....	wsw.	o	o	r'gh	sw.	covered.?
S. S. Gallia, N. 46° 58′, W. 35° 41′	29.93	760.2	50	10.0	.....	w.	.....	.....	6	.....	5	.....	w.	.....	.....	high	w.	fair.
S. S. Helvetia, N. 40° 26′, W. 66° 57′	30.11	764 8	45	7.2	84	nw.	.....	.....	4	.....	0	.....	.....	o	o	sm'h	.....	clear.
Bk. Heinrich & Tonio, N. 38° 50′, W. 73° 28′	.....	.....	50	10.0	93	ne	.....	.....	1–2	.....	.....	.....	.....	o	o	sm'h	.....	hazy.
Bg. L. & W. Armstrong, N. 36° 46′, W. 70° 31′*†	30.04	763.0	.....	.....	.....	ene.	.....	.....	3	.....	6?	.....	ne.	¼ h'r	¼ h'r	mod.	nnw.	overcast.?
Schr. Maggie Abbott, N. 40° 15′, W. 69° 50′	.....	.....	.....	.....	.....	n.	.....	.....	2	.....	o	.....	.....	o	o	.....	.....	clear.
S. S. Marengo, N. 40° 19′, W. 62° 00′	30.04	763.0	48	8.9	.....	wnw.	.....	.....	5	.....	5?	.....	wnw.	2 h'r	2 h'r	mod.	wnw.	clear.?
S. S. Nurnberg, N. 48° 38′, W. 25° 07′	30.22	767.6	55.4	13.0	.....	s.	.....	.....	5	.....	10	.....	se.	o	o	mod.	sse.	covered.
S. S. Nova Scotian, N. 45° 21′, W. 39° 00′	29.99	761.7	52	11.1	.....	w.	.....	.....	5	.....	8	.....	wsw.	.....	.....	high	wsw.	fair.
S. S. Nessmore, N. 39° 25′, W. 62° 08′	30.08	764.0	52	11.1	86	ne.	.....	.....	3	.....	2?	.....	ne.	o	o	sm'h	ene.	covered.?
S. S. Oregon, (Br) N. 44° 09′, W. 62° 43′	.....	.....	35	1.7	.....	nw.	.....	.....	3	.....	o	.....	.....	o	o	mod.	nw.	fine.
S. S. Olbers, N. 40° 06′, W. 73° 42′	30.25	768.3	50	10.0	79	s.	.....	.....	2	.....	o	.....	.....	.....	.....	sm'h	.....	hazy.
S. S. Polynesian, N. 51° 06′, W. 28° 48′	30.05	763.3	52	11.1	.....	se.	.....	.....	5	.....	6	.....	se.	o	o	mod	s.	clear.
S. S. P. Caland, N. 40° 56′, W. 42° 49′	29.82	757.4	54.3	12.4	.....	sse.	.....	.....	4	.....	5	.....	ssw.	o	o	sm'h	.....	fair.
S. S. Republic, N. 43° 19′, W. 43° 39′ †	29.84	757.9	53	11.7	.....	s.	.....	.....	5	.....	9	.....	s.	10 h'r	10 h'r	r'gh	n.	d. clouds.
S. S. Rhein, N. 49° 49′, W. 5° 58′	30.12	765.0	.....	.....	.....	ene.	.....	.....	5	.....	4	.....	ene.	o	o	mod	ne.	fair.
S. S. State of Georgia, N. 40° 56′, W. 51° 44′†	29.70	754.4	49	9.4	.....	wnw.	.....	.....	5–6	.....	3	.....	w.	o	o	sm'h	.....	clear.
S. S. Salier, N. 40° 40′, W. 63° 26′	30.11	764 8	.....	.....	.....	n.	.....	.....	3–4	.....	2	.....	ne	o	o	light	n.	clear.
Bk. Tuck Sing, N. 38° 48′, W. 75° 00′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	.....	.....	.....	o	o	sm'h	.....	hazy.
S. S. The Queen, N. 46° 05′, W. 34° 37′	.....	.....	53	11.7	.....	wnw.	.....	.....	6	.....	5	.....	wnw.	3 h'r	3 h'r	r'gh	w.	fine.
S. S. Vaderland, N. 40° 01′, W. 54° 20′	.....	.....	52	11.1	.....	nw.	.....	.....	5	.....	3	.....	nw.	4 h'r	4 h'r	sm'h	.....	fair.
S. S. Weser, N. 44° 00′, W. 44° 30′	29.81	757.2	50.0	10.0	.....	sse.	.....	.....	6–8	.....	10	.....	sse.	18 h'r	18 h'r	6	sse.	heavy rain.
S. S. Westernland, Antwerp, Belgium	29.99	761.7	49	9.4	78	ene.	.....	.....	1	.....	9	.....	ene.	o	o	.....	.....	cloudy.
S. S. Waesland, N. 49° 45′, W. 8° 50′	30.25	768.3	50	10.0	.....	ne.	.....	.....	5	.....	8	.....	ne.	o	o	mod	ne.	cloudy.
Bk. Alpha, N. 25° 46′, W. 73° 30′ *†	30.08	764.0	75	23.9	.....	calm	.....	.....	0	.....	3	.....	.....	o	o	sm'h	.....	clear.
Schr. Adda Doane, Port Antonio, Jamaica, W.I †	30.04	763.0	.....	.....	.....	se.	.....	.....	1	.....	5	.....	sw.	o	o	.....	.....	fair.
S. S. America, N. 39° 05′, W. 55° —′	29.87	758.7	57	13.9	.....	nw.	.....	.....	5	.....	5	.....	nw.	½ h'r	½ h'r	r'gh	nw	fair.
S. S. Caracas, Puerto Cabello, Venezuela*†	30.00	762.0	77	25.0	84	ene.	.....	.....	4	.....	3	.....	e.	o	o	light	ene.	clear.
S. S. City of Merida, N. 26° 43′, W. 80° 00′	.....	.....	77.0	25.	.....	s.	.....	.....	1	.....	5	.....	s.	o	o	light	se.	fine.
S. S. Chalmette, N. 34° 40′, W. 75° 35′ †	30.14	765.5	55	12.8	.....	n.	.....	.....	6	.....	8	.....	n.	o	o	r'gh	n.	fair.
S. S. Devonia, N. 53° 40′, W. 23° 00′ †	30.55	776.0	47	8.3	.....	e.	.....	.....	3	.....	9	.....	e.	4 h'r	4 h'r	slt'.	se.	cloudy.
S. S. Elysia, N. 40° 33′, W. 67° 20′*	30.12	765.0	42	5.6	.....	nnw.	.....	.....	3	.....	o	.....	.....	o	o	sm'h	.....	clear.
S. S. Foscolia, N. 25° 12′ W. 39° 34′ †	30.10	764.5	68	20.0	.....	calm	.....	.....	0	.....	8	.....	w.	o	o	cross	wsw.	fine.
S. S. Hohenstaufen, N. 42° 52′, W. 44° 02′	.....	.....	57	13.9	.....	sw.	.....	.....	7	.....	10	.....	sw.	11 h'r	11 h'r	long	wsw.	raining.
S. S. Habsburg, N. 49° 03′, W. 11° 30′	30.18	766.6	.....	.....	.....	nne.	.....	.....	5	.....	8	.....	nne.	o	o	mod	ne.	cloudy
Bk. Idaho, N. 22° 00′, W. 80° 30′ *†	30.07	763.8	.....	.....	.....	se.	.....	.....	3	.....	o	.....	.....	o	o	sm'h	.....	clear.
Bg. Lillian, N. 8° 40′, W. 57° 45′†	29.99	761.7	.....	.....	.....	e.	.....	.....	4	.....	1	.....	.....	o	o	mod.	ene.	clear.
S. S. Labrador, N. 41° 58′, W. 59° 09′	.....	.....	41.0	5.	.....	nw.	.....	.....	4	.....	4	.....	nw.	snow	snow	sm'h	nnw.	fair.
S. S. Muriel, St. Kitts, W.I	30.01	762.2	79	26.1	.....	ese.	.....	.....	3	.....	o	.....	.....	4 h'r	4 h'r	sm'h	.....	clear.
S. S. New York, N. 28° 30′, W. 88° 30′ *†	29.86	758.4	78	25.6	.....	s.	.....	.....	6	.....	5	.....	s	.....	.....	r'gh	s.	fair.
S. S. Pennsylvania. N. 42° 50′, W. 40° 15′	.....	.....	49	9.4	71	s.	.....	.....	2	.....	2	.....	sse.	o	o	h'vy	n.	clear
S. S. Prussian, off Ruthlin Island, Ireland	30.27	768.8	50	10.0	.....	n.	.....	.....	3	.....	3	.....	nnw.	o	o	sm'h	.....	clear.
S. S. Samaria, N. 50° 45′, W. 16° 53′ *	30.30	769.6	51	10.6	.....	nne.	.....	.....	4	.....	2	.....	nne.	o	o	slt'.	e	fine.
Bk. Tros, N. 29° 53′, W 69° 50′*†	30.03	762.7	66	18.9	.....	nne.	.....	.....	1	.....	8	.....	ne.	o	o	mod.	n.	fair.
U. S. S. Alliance, N. 21° 48′, W. 76° 58′	30.05	763.3	78	25.6	82	ese.	.....	.....	3	.....	2	.....	e.	o	o	sm'h	.....	clear.
U. S. S. Galena, St. Thomas, W. I *†	30.04	763.0	77	25.0	76	ene.	.....	.....	1	.....	5	.....	ene.	.....	.....	sm'h	.....	fair.
U. S. S. Jamestown, St. Kitts, W. I.	30.10?	764.5?	76	24.4	68	ene.	.....	.....	2	.....	5	.....	e.	.....	.....	sm'h	.....	fair.
U. S. S. Kearsarge, Beirut, Syria	29.83	757.7	66	18.9	79	w.	.....	.....	4	.....	5	.....	w.	.....	.....	long	wnw.	fair.
U. S. S. Lancaster, Beirut, Syria	29.78	756.4	66	18.9	94	sw.	.....	.....	1	.....	8	.....	sw.	.....	.....	mod.	sw.	squally.
U. S. S. Pensacola, N. 7° 58′, W. 41° 43′ †	30.04	763 0	79	20.1	82	ne.	.....	.....	4	.....	5	.....	ne.	o	o	mod	ne.	fair.
U. S. S. Portsmouth, N. 30° 13′, W. 71° 30′	30.05	763.3	65	18.3	94	e.	.....	.....	2	.....	2	.....	e.	.....	.....	long	nw.	clear.
U. S. S. Quinnebaug, N. 33° 13′, E. 19° 16′	29.82	757.4	65	18.3	73	se.	.....	.....	4	.....	o	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Saratoga, Lisbon, Portugal	29.81	757.2	57	13.9	81	nnw	.....	.....	2	.....	10	.....	nnw.	light	light	sm'h	.....	overcast.
U. S. S. Swatara, Anguila Cay, Cuba, W.I	30.04	763.0	78	25.6	95	ese.	.....	.....	3	.....	o	.....	.....	o	o	sm'h	.....	clear.
U. S. S. Vandalia, Anguila Islands, Cuba, W I	30.04	763.0	78	25.6	86	ese.	.....	.....	2	.....	o	.....	.....	.....	.....	.....	.....	clear.
U. S. S Yantic, Matanzas, Cuba, W. I	30.04	763.0	74	23.3	86	ese.	.....	.....	1	.....	0?	.....	.....	.....	.....	.....	.....	fair?
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	.....	.....	73	22.8	72	ese.	.....	.....	3	.....	4	ese.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Alecto, N. 5° 33′. W. 0° 04′	29.85	758.2	85	29.4	.....	sw.	.....	.....	2	.....	8	.....	.....	.....	.....	6	ssw.	d. clouds.
H. M. S. Himalaya, N. 36° 52′, W. 8° 45′	29.81	757.2	60	15.6	76	nw.	.....	.....	4	.....	2	.....	.....	.....	.....	3	wnw.	d. clouds.
H. M. S. Inflexible, Demata Bay, Greece	29.87	758 7	02?	16.7?	94	wsw.	.....	.....	2	.....	1	wsw.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Minotaur, Malta, Mediterranean	29.65	753.1	66	18.9	81	se.	.....	.....	5	.....	6	.....	.....	.....	.....	.....	.....	misty.
H. P. M. S. Douro, N. 1° 38′, E. 7° 27′	29.89	759 3	84.2	29.0	79	s.	.....	.....	5	.....	8	.....	se.	1 h'r	1 h'r	2	s.	d. clouds.
S. S. British Crown, N. 39° 02′, W. 69° 52′†	30.15	765.8	44	6.7	.....	n.	.....	.....	1	.....	o	.....	.....	o	o	sm'h	.....	clear.
S. S. British Prince, N. 45° 59′ W. 35° 38′	.....	.....	55	12.8	100	var.	.....	.....	5	.....	10	.....	nnw.	o	o	mod.	ssw.	light fog.
S. S. Ohio (Am), N. 39° 07′, W. 65° 14′†	30.15	765.8	51	10.6	93	nne.	.....	.....	4	.....	3	.....	ne.	o	o	.....	.....	clear.
S. S. Scandinavian, N. 42° 20′, W. 69° 39′	30.17	766.3	40	4.4	.....	w.	.....	.....	3	.....	.....	.....	.....	o	o	sm'h	wnw.	misty.
S. S. Sardinian, N. 42° 45′, W. 51° 53′	29.67	753.6	44	6.7	.....	wsw.	.....	.....	2	.....	.....	.....	.....	2 h'r	2 h'r	mod.	se.	clear.
S. S. Athos, N. 29° 18′, W. 74° 12′†	30.09	764.3	.....	.....	.....	ese.	.....	.....	4	.....	2	.....	new	o	o	mod.	wnw.	fair.
S. S. Dorian, N. 41° 00′, W. 38° 10′	30.12	765.0	58	14.4	.....	w.	.....	.....	2	.....	4	.....	wsw.	3 h'r	3 h'r	r'gh	nnw.	fine.
S. S. California, N. 49° 43′, W. 16° 02′	.....	.....	58.2	14.6	.....	ne.	.....	.....	4	.....	1	.....	ene.	o	o	sm'h	ene.	
S. S. St. Laurent, N. 49° 48′, W. 15° 55′	30.29	769.4	52.7	11.5	.....	ne.	.....	.....	4	.....	1	.....	ne.	o	o	sm'h	.....	clear.
S. S. Westphalia, N. 47° 46′, W. 28° 01′	.....	.....	55	12.8	.....	sse.	.....	.....	3	.....	4?	.....	ssw.	o	o	mod.	sse.	covered.?
S. S. Hammonia, N. 40° 47′, W. 49° 00′	29.73	755 1	50	10.0	.....	w.	.....	.....	6	.....	2	.....	sw.	2 h'r	2 h'r	cross	var.	fair.
S. S. Venetian, N. 49° 26′, W. 30° 50′*	29.99	761.7	52	11.1	.....	ssw.	.....	.....	7	.....	10	.....	.....	5 h'r	5 h'r	.....	ssw.	showery.
S. S. Hevelius, Holyhead, Ireland†	30.16	766.1	47	8.3	.....	ne.	.....	.....	6	.....	4	.....	ne.	o	o	.....	.....	clear.
S. S. Archimede (It), Palermo, Sicily †	29.68	753.9	74	23.3	.....	nne.	.....	.....	2	.....	2	.....	nne.	o	o	.....	.....	clear.
S. S. Gottardo, N. 37° 53′, W. 64° 00′	.....	.....	61	16.1	.....	ne.	.....	.....	2	.....	2	.....	ne.	o	o	light	ne.	clear.
S. S. Donau, N. 41° 07′, W. 51° 17′	29.78	756.4	.....	.....	.....	nw.	.....	.....	4	.....	4	.....	w.	4 h'r	4 h'r	light	nw.	fair.
S. S. Strassburg, N. 14° 24′, W. 26° 06′	.....	.....	77.5	25.3	59	nne.	.....	.....	4	.....	6	.....	nne.	o	o	4	nne.	fair.
S. S. Baltimore, N. 51° 11′, E. 0° 22′ *	29.97	761.2	48.2	9.0	.....	ene.	.....	.....	5	.....	0?	.....	.....	o	o	sm'h	.....	fair.?
S. S. City of Augusta, N. 33° 18′, W. 78° 14′	.....	.....	.....	.....	.....	ene.	.....	.....	4	.....	5?	.....	e.	o	o	.....	.....	clear?
S. S. Belgenland, N. 40° 00′, W. 49° 15′	.....	.....	53	11.7	100	wnw.	.....	.....	5	.....	.....	.....	nw.	o	o	r'gh	.....	overcast.
S. S. Rhynland, N. 40° 13′, W. 64° 20′*†	30.10	764.5	48	8.9	70	wnw.	.....	.....	1	.....	1	.....	nnw.	o	o	sm'h	.....	clear.
S. S. Pennland, Antwerp, Belgium *†	29.92	760.0	51	10.6	72	n.	.....	.....	2	.....	4	.....	n.	o	o	.....	.....	fair.
S. S. Amsterdam, N. 49° 52′, W. 7° 08′	.....	.....	55.4	13.0	86	ne.	.....	.....	2	.....	2	.....	ne.	o	o	.....	.....	fair.
S. S. W. A. Scholten, N. 40° 20′, W. 52° 05′	29.76	755.9	50.5	10.3	78	nw.	.....	.....	5	.....	4	.....	nw.	o	o	2	nw.	squally.
S. S. Zaandam, N. 50° 01′, W. 17° 45′	.....	.....	53.4	11.9	77	ene.	.....	.....	4	.....	5	.....	ene.	o	o	mod.	ene.	fair.
S. S. Maasdam N. 40° 33′, W 73° 31′*	30.20	767.1	45.5	7.5	84	sw.	.....	.....	2	.....	o	.....	.....	o	o	.....	.....	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
Bg. Alcira, Maracaybo, Venezuela			80	26.7		ne.			1		1		ne.	0	0			clear.
S. S. Antonio Lopez, N. 27° 10′, W. 48° 56′	30.12	765.0	69	20.6	68	ssw.			2		10			0	0	long	nnw.	cloudy.
Schr. Arthur Burton, N. 17° 30′, W. 66° 00′ †	30.07	763.8				ene.			3		4		ene.	0	0	chop	se.	fine.
Schr. Annie R Lewis, Porto Plata, SanDomingo, W.I†	30.05	763.3	79	26.1		se.			1		0			0	0			clear.
Schr. Anna A. Holton, N. 26° 31′, W. 74° 38′			78	25.6		nnw.			1		2			0	0	sm'h		clear.
Bk. Aureola, N. 11° 12′, W. 28° 56′			76	24.4	73	ene.			5		4		ene.	0	0	mod.	nne.	fine.
Bgt. Achsah, N 27° 54′, W. 65° 20′ †	30.02	762.5	73	22.8		n.			0		4		wnw.	0	0	mod.	wnw	fair.
Bk. Adelaide, N. 20° 07′, W. 60° 39′			80	26.7		ene.			2		0			0	0	cross	ne ;se	clear.
Schr. Abbie H. Gheen, N. 38° 50′, W. 73° 50′*†	30.25?	768.3?				se.			3									cloudy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	30.00	762.0	80	26.7		e.			4		5		e.	0	0			fair.
S. Cornelius, N. 22° 15′ W 28° 28′ *†	30.27	768.8	73.6	23.1		e.			4		2		w.	0	0	sm'h		fair.
Bk. Diamant, N. 44° 40′, W. 32° 02′			55.8	13.2	82	nnw.			4		6		wnw.	6 hr	6 hr	5	w.	cloudy.
S. E. J. Spicer, N. 43° 20′, W. 35° 25′	30.03	702.7	54	12.2	93	nnw.			4		7		nw.	rain	rain	long	w.	cloudy.
Schr. Edith R. Seward, N. 36° 38′, W. 75° 45′						nne.			2		4		ne.	2 h'r	2 h'r	sm'h	ene.	clear.
S. Ismir, N. 17° 52′, W. 59° 32′						e.			2		4		e.	1 h'r	1 h'r	mod.	e.	fine.
Bg. George, N. 35° 45′, W. 68° 56′ *†	30.12	765.0				ene.			3		2		ne.	0	0	mod.	ne.	squally.
Bk. Gloire, N. 41° 14′, W. 45° 10′	29.83	757.7	57	13.9	87	ssw.			3		8		ne.	0	0	r'gh	var.	cloudy.
S. Grecian, N 47° 43′, W. 13° 55′†	30.25	768.3	53	11.7	67	ne.			6				sw.	0	0	mod.	e.	fair.
Bk. Galeon, Barbadoes, W. I†	30.01	762.2	79	26.1		e.			5		5		ne.	0	0			blue sky.
S. Hedwig, N. 36° 40′ E. 13° 48′	29.69	754.2	62.6	17.0	93	ese.			4		2		e.	0	0			hazy.
Bk. Hattie G. McFarland, Pascagoula, Miss			71	21.7		e.			5		10		se.	0	0	3	se.	cloudy.
S. Henry, N. 36° 36′, E. 13° 31′.*	29.68	753.9	62.2	16.8		ese.			4		8		s.	0	0			cloudy.
Bk. Horace Scudder, Gaboon river, Guinea			84	28.9		ssw.			6		10					4	se	fair.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†.....	30.02	762.5				se.			1		5		sw.	3 h'r	3 h'r			hazy.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†..	30.05	763.3				nne.			1		1			0	0			clear.
Schr. John Bird, N. 23° 42′ W. 84° 04′ *†	29.99	761.7				se			2		0							clear.
Schr. Jenny Greenbank, Baracoa, Cuba, W.I*.....	30.07	763.8	79.0	26.1		e.			5				se.	0	0	mod.	se.	fine.
Schr. Jenny R Morse, Darien, Ga †	30.05	763.3				ene.			1		3		ne.	0	0	mod.	ene.	clear.
Bkt. Levanter, N. 0° 40′, W. 38° 40′	30.01	762.2	84	28.9		ne.			2		4		ene.	0	0			
Bkt. Levi S. Andrews, N. 41° 15′, W. 65° 10′*†	30.03	762.7	40.0	4.4		nnw.			4		3		ne.	0	0	mod.	ne.	fair.
S. S. Mendoza, N. 30° 02′, W. 67° 35′†	30.05	763.3				nne.			5		0			0	0	light	nnw.	clear.
Schr. Martinique, N. 21° 37′, W. 55° 10′						ene.			2				nne.	2 h'r	2 h'r	short	nnw	clear.
Schr. Norena. N. 23° 20′, W. 65° 30′†	30.07	763.8				w.			4		10		ene.	h'vy	h'vy	sm'h		squally.
Bk. Rosalie, N. 19° 54′, W. 42° 34′ *†	30.13	765.3				ese.			1		2		wnw.	0	0	light	nw.	
Bkt. Rosebud, N. 19° 04′, W 25° 04′ *	30.17	766.3	76	24.4		ne.			4		0			0	0	light	e.	clear.
S. Salisbury, N. 38° 07′, W. 14° 00′	30.02	762.6	57.2	14.0	86	n.			4		5		ne.	0	0	sm'h		fine.
Bk. Saga, N. 43° 09′, W. 27° 28′†	30.02	762.5	56.5	13.6					5–6	4 k			n.	0	0	long	n.	fair.
Bk. Sunbeam, N. 36° 49′, W. 12° 24′†	30.02	762.5	60	15.6	78	nw.			6		10			3 h'r	3 h'r	8		foggy.
S. Stephen D. Horton, N. 40° 28′, W. 69° 15′ †	30.16	760.1				nw.			6		7		nw.	1 h'r	1 h'r	mod.	nw.	cloudy.
Bg. Teneriffe, N 30° 10′, W. 75° 00′.						n.			3		0			0	0	sm'h		clear.
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†..	30.09	764.3	77	25.0		e.			2		1		n.	0	0		n.	
Schr John Bracewell, Portsmouth, N. H. †	30.15	765.8	38	3.3		wnw.			3		0			0	0	sm'h		hazy.
District No. 2—South Atlantic.									1		0							clear.
U. S. S. Brooklyn, S. 30° 21′, E. 12° 24′	29.83	757.7	70	21.1	80	s.	4	1.8			2		s.	0	0	long	s.	fair.
U. S. S. Shenandoah, S. 52° 23′, W. 09° 20′ *	29.78	750.4	42	5.6	91	sw.			2		5		sw.			sm'h		fair.
H. M. S. Amethyst, Montevideo, Uruguay	30.01	762.2	58.5	14.7	79	wsw.			2		3							blue sky.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.03	762.7	66	18.9		se.			3–5		3		sw.					squally.
H. M. S. Sylvia, S. 38° 45′, W. 10° 19′..	29.90	759.4	58	14.4	88	sw.			5		4		ese.			3	wsw.	d. clouds.
H. M. S. Achille F., S. 29° 15′, W. 44° 15′*†	30.16	760.1	75	23.9	95	nne.			4		3		calm			mod.	ne.	
Bk. Bore, S. 22° 29′, W. 39° 40 *†	30.26	768.6	85	29.4		se.			2		1		ne.	0	0	sm'h	e.	clear.
S. Frank N. Thayer, S. 38° 06′, W. 12° 44′ *	30.01	762.2	62	10.7	83	w.			6		10		se.	0	0	mod.	wsw.	
S. Gatherer, S. 41° 24′, W. 53° 20′†	29.78	759.4	58	14.4	88	ssw.			6		2		wsw.	½ h'r	½ h'r	mod.	var.	clear.
S. Ringleader. S. 22° 00′, W. 33° 20′ †	30.00	762.0	84	28.9	04	sse.			3		2		sse.	0	0	mod.	se.	
S. S. Archimedes, (Br) S. 30° 04′, W. 46° 54′	29.94	760.5				n.			4		2		nw.	0	0	long	nne.	fine.
Bk. Xenia, S 31° 10′, W. 25° 35′ *†	30.32	770.1	72	22.2		e.			4		4		e.	2 h'r	2 h'r	mod.	wsw.	clear.
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela..	29.88	759.0	73.4	23.0	74	nw.			3		1			2 h'r	2 h'r	2		d. clouds.
District No. 3—North Pacific.											8		calm					
U. S. S. Adams, N. 57° 20′, W. 135° 20′†	29.96	761.0	42	5.6	34	se.			1		2							fair.
U. S. Naval Hospital, Yokohama, Japan			54	12.2	71	e			3		0			0.17	4.3			clear.
U. S. S. Alert, Shanghai, China	30.11	764.8	58	14.4	100	ne.			1		10		ne.					cloudy
U. S. S. Essex, N. 7° 07′, E. 167° 41′	29.94	760.5	82	27.8	83	e			4		8					sm'h	e.	fair.
U. S. S. Juniata, Fernande Island, Corea	30.17	766.3	48	8.9	78	calm			0		5							hazy.
U. S. S. Monocacy, Canton, China	29.99	761.7	70	21.1	90	s.			2		10			0	0			cloudy.
U. S. S. Richmond, N. 9° 34′, E. 199° 19′ ..	29.90	759 4	82	27.8	79	ese.			3		0			0	0	sm'h		clear.
H.M.S. Audacious, Hong Kong, China	30.01	762.2	68	20.0	84	e.			1		10		e.					raining.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.07	763 8	61	16.1	94	nne.			2		10					1		overcast.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 42′	30.07	763.8	60.8	16.0	91	calm			0		10							misty.
H. P. M S. Tamega, Macao, China	30.04	762.9	73.4	23.0	83	ne.			2		10			12 h'r	12 h'r			raining.
U. S. S. Palos, Shanghai, China	30.09	764.3	55	12.8	100	ne.			2		10		calm					cloudy.
U. S. Newbern, Mazatlan, Mexico*†	29.90	759.4	65	18.3	84	nnw.			2		0			0	0	light	sw.	clear.
S. S. Arabic, N. 27° 00′, W 148° 20′	29.87	758.7	71	21.7	85	var.			1		10		sw.	0	0	mod.	nw.	misty.
S. S. City of Chester, San Francisco, Cal †	30.10?	764.5?	53	11.7	80	calm			0		10			0	0			
S. S. Columbia, Columbia river, Oregon *†	29.66	753.4	44	6.7	92	s.			2		10		s.	24 h'r	24 h'r			rainy.
S. S. Oregon, N. 45° 23′, W. 124° 10′ †	29.75	755.6	40	7.8	80	wnw.			4		5		wnw.			mod	nnw.	squally.
S. S. City of Pekin, N. 43° 24′ W. 161° 54′†	30.22	767.6	44	6.7	92	wsw.			2		10			0	0	light	w.	foggy.
S. S. City of Rio de Janeiro, N. 30° 27′, E. 169° 00′†..	30.26	768.5	01	16.1		ene.			3		4		ene.			mod.	nne.	fair.
S. S. City of Sydney, Honolulu, Sandwich Islands *†...	29.92	760.0	71	21.7	75	calm			0		0							clear.
S. S. City of Tokio, N. 37° 42′, W. 132° 20′†	29.94	760 5	56	13.3	94	ssw.			5		10		sw.	12 h'r	12 h'r	mod	ssw.	drizzling.
S. S. Colima, San Jose, Guatemala †	29.93	760.2	70	24 4	82	calm			0		4		e.	0	0	h'vy	s.	clear.
S. S. Granada, N. 23° 48′, W. 111° 13′†	29.94	760.5	62	10.7	78	wnw.			5		0			0	0	light	wnw.	misty.
S. S. San Blas, Panama, Panama†	29.88	758.9	73	22.8	100	calm			0		7		s.	0	0			cloudy.
S. S. Benalder, Hong Kong, China	30.00	702.0	69	20.6	90	e.			4		4		e.					fair.
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 15° 50′, W. 74° 48′	29.98	761.5	69	20.6	90	ese.			3		2		se.			sm'h		clear.
U. S. S. Lackawanna, Callao, Peru	29.94	760.5	70	21.1	90	calm			0		10							cloudy.
U. S. S. Onward, Callao, Peru*†	30.04	703.0	69	20.6	100	calm			0		10		n.			long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.99	761.7	58	14.4	70	calm			0		8		calm					cloudy
U. S. S. Wachusetts, Valparaiso, Chili	29.99	761.7	56	13.3	75	calm			0		5					sm'h		fair.
H. M. S. Nelson, Sydney, N.S.W	30.12	765.0	68	20.0	95	nne.			5		10		e.					d. clouds.
H. M. S. Sappho, S. 32° 00′, W. 71° 33′	30.04	763.0	59	15.0	100	s.			5		3		s.			5	s.	d clouds.
H. M. S. Kingfisher, S. 29° 50′, W. 71° 20′	30.01	762.2	58	14.4		calm			0		0							misty.
S. S. Australia, Sydney, N.S.W*	29.98	761.5	70	21.1	75				3		8		e.	2 h'r	2 h'r			threatening.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 5° 54′, E. 87° 07′	29.89	759.2	85	29.4	83	ene.			1		2		ene.			sm'h		fair.
H. M. S. Eurydus, Massuah, Abyssinia	29.68	753.9	80	30.0	88	nne.			2		3							misty.
H. M. S. Magpie, S 7° 54′, E. 74° 03′	29.86	758.4	83.5	28.6	75	n.			2		4		se.			3	se.	d. clouds.
H. M. S. Myrmidon, Suakin, Egypt	29.76	755.9	83	28.3	87	ene.			3		1		ene.					blue sky.
S. S. Bracadale, N. 12° 19′, E. 46° 18′*	29.78	750.4	84	28.9		nne.			0		4							gloomy.
Bk. Childwall, off Kingston, N.S.W*	30.09	704.3	59	15.0	70	wsw.			4		3		ne.	c	o	mod.	e.	fair.
S. J. W. Gildemeister, S. 20° 50′, E 72° 08′	29.93	700.2	82.4	28	72	calm			0	c	4 kn		w.	o	o			d. clouds.
Bk. Nouva Margherita, S. 14° 11′, E. 97° 36′*†	29.80	750.9				e.			3				sw.	o	o	3	ese.	cloudy.
S. Orealia, N. 20° 02′, E. 86° 38′						s.			4		5		se.	rain	rain		s.	cloudy.
S. S. Lepanto, N. 15° 50′ E. 53° 58′	29.88	758.9	80	26.7		calm			0		3		s.	o	o	mod.	s.	fair.
													ne.			sm'h		clear

International Chart I. April 14, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War:
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 15, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Kemours	.....	.....	29.75	755.7	62.6	17.0	89	se.	.....	.....	1	.....	6	.....	.....	0.232	5.9	cloudy	Kozlere.
Algiers	.....	.....	29.65	753.0	61.5	16.4	77	w.	.....	.....	4	.....	0	.....	.....	1.854	47.1	clear	Théye.
La Calle	.....	.....	29.63	752.5	63.7	17.6	88	nw.	.....	.....	5	.....	4	.....	.....	0.039	1.0	cloudy	Foufrède.
Tunis	.....	.....	29.58	751.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Gerlville	.....	.....	29.83	757.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.80	756.8	69.4	20.8	.....	nw.	.....	.....	2	.....	2	.....	.....	0.067	1.7	fair	Abraham.
Biskra	.....	.....	29.75	755.6	73.8	23.2	39	e	.....	.....	2	.....	2	.....	.....	0	0	fair	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.34	770.6	55.8	13.2	72	sw.	3	1.3	.....	.....	4 k	.....	.....	0.012	0.3	fine	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.76	755.9	29.95	760.7	51.2	10.7	77	n.	20	8.9	.....	.....	3	.....	nnw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.12	765.0	30.11	764.8	50.0	10.0	87	w.	3	1.3	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.02	737.2	29.56	750.8	61.7	16.5	48	s	.....	.....	2	.....	5	.....	.....	0	0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	28.90	734.0	29.67	753.5	48.2	9.0	73	ese.	2.5	1.1	.....	.....	10	.....	..	0.020	0.5	.....	Dr. Wierzbiski
Eperies	28.81	731.8	29.69	754.1	50.4	10.2	65	n.	.....	.....	2	.....	10 8	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.38	720.8	29.60	751.8	59.2	15.1	47	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	Andreas Rospini.
Hermannstadt	28.16	715.3	29.52	749.9	68.0	20.0	42	sse.	.....	.....	4	.....	8	.....	.....	0.299	7.6	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.30	718.8	29.65	753.1	44.2	6.8	81	ene.	.....	.....	2	.....	10	.....	.....	0.028	0.7	.....	The Staff.
Lemberg	28.75	730.3	29.75	755.7	43.5	6.4	86	e.	.....	.....	2	.....	10	.....	.....	0.079	2.0	.....	Dr. T. Stanecki.
Pola	29.43	747.6	29.54	750.4	61.0	16.1	77	se.	.....	.....	4	.....	4	.....	.....	0.205	5.2	.....	I. R. Hydrographic Office.
Szathmar	29.14	740.2	.....	.....	59.5	15.3	71	s.	.....	.....	2	.....	10	.....	.....	0.035	0.9	.....	Joseph Midlinszky, S. J
Szegedin	29 23	742 4	29.50	749 2	65.5	18.6	55	s.	.....	.....	1	.....	8	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.48	748.8	29.58	751.3	63.7	17.6	67	s.	.....	.....	1	.....	10	.....	.....	0.110	2.8	.....	Royal Academy.
Vienna	28.97	735.7	29.66	753.9	46.0	7.8	75	n.	.....	.....	2	.....	10	.....	.....	0.083	2.1	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	47.1	8.4	61	ne.	.....	.....	5	.....	3	.....	.....	0	0	.....	
Brussels	29.65	753.1	29.85	758.2	49.5	9.7	63	n.	.....	.....	3	.....	9	.....	ne.	0	0	.....	
Furnes	29.86	758.4	29.88	758 9	.....	.....	.....	ne.	.....	.....	2	.....	8	.....	.....	0.004	0.1	.....	
Maeseyck	29.71	754.5	29.83	757.7	58 8	14.9	57	ne.	.....	.....	2	.....	3	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.95	760.7	30.05	763.3	46.0	7.8	65	n.	19	8.5	.....	.....	7	.....	.....	0.010	0.3	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.04	763 0	45.7	7.6	84	nw.	18	8.0	.....	.....	10	.....	.....	.....	.....	showery	John Harmup.
Bolton, Sharples	29.47	748 5	30.01	762.2	46.0	7.8	80	nne.	9	4.0	.....	.....	8	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.60	751 8	29.99	761.7	45.3	7.4	87	n.	.....	.....	4	.....	10	.....	.....	0.04	1.0	raining	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.97	761.2	30.00	762.0	76.0	24.4	73	ne.	.....	.....	3	.....	8	.....	.....	.....	.....	overcast	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John McLaren.
Chatham, School M. E.	29.75	755.6	29.92	760.0	47.5	8.6	79	ne.	.....	.....	1	.....	9	.....	.....	.....	.....	misty	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.79	756.7	30.02	762.5	46.8	8.2	72	nne.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.56	700.0	29.87	758.7	84.0	28.9	34	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	29.50	749 3	29.73	755.1	84.0	28.9	?	e.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds	J. W. Smith.
Galway, Queen's College	30.13	765.3	30.17	766.3	49	9.4	64	ne.	.....	.....	2	.....	6	.....	.....	0	0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.74	755.4	29.84	757.9	61.0	16.1	88	nw.	.....	.....	4	.....	6	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.76	755.9	29.93	760.2	47.1	8.4	81	n.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.63	752.6	29.94	760.5	45.9	7.7	77	nne.	.....	.....	3	.....	8	.....	.....	0	0	d. clouds	A. Collenette, F.R.M.S.
Kew, Observatory	29.60	759 4	29.94	760.5	46.8	8.2	75	nne.	10	4.5	.....	.....	10	.....	.....	.....	.....	threatening	The Staff.
Leicester, Museum	29.69	754.1	29.95	760.7	49.0	9.4	72	n.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.42	747.3	29.50	749.3	64.4	18.0	79	ne.	.....	.....	2	.....	.....	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.02	762.5	30.06	763 5	79.0	26.1	70	se.	.....	.....	3	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.74	755.4	29.97	761.2	44.2	6.8	84	n.	.....	.....	3	.....	10	.....	.....	.....	.....	drizzling	The Staff.
Plymouth	29.92	760.0	29.99	761.7	47.3	8.5	70	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.93	760.2	30.03	762.7	46.4	8.0	69	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	misty	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.73	755.1	29.79	756.7	67.4	19.7	44	sw.	.....	.....	1	.....	9	.....	.....	.....	.....	misty	W. H. Lyne.
Sheffield	29.71	754.6	30.00	762.0	48.8	9.3	78	ne.	.....	.....	2	.....	9	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	30.00	762.0	30.03	762.7	50.6	10.3	79	ne.	.....	.....	2	.....	10	.....	.....	0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.03	762.7	46.2	7.9	77	n.	14	6.3	.....	.....	10	.....	.....	0.052	1.3	raining	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	48.1	8.9	78	ne.	.....	.....	1.2	.....	8	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	30.15	765.8	30.17	766 3	51.7	10.9	61	n.	18	8.0	.....	.....	9	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.21	741.9	29.59	751.6	71.2	21.8	50	se.	2.5	1.1	.....	0	0	.....	w.	0	0	clear	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.89	759.2	30.00	762.0	67.7	19.8	90	e.	10	4.5	.....	.....	2 k	.....	.....	0	c	blue sky	The Staff.
CANADIAN.																			
Bathurst, N. B	30.25	768 3	30.29	769.4	30.0	— 1.1	.....	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.17	766.3	30.21	767.3	27	— 2.8	88	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	H. J. Cundall, C. E.
Chatham, N. B*	30.15	765.8	30.22	767.6	25	— 3.9	80	e.	2	0 9	.....	0	0	.....	.....	0	0	clear	G. A. Blair.
Cornwall, Ontario	29.65	753.1	29.85	758.2	40.2	4.6	78	e.	.....	.....	1	4 cs	0	w.	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	30.12	765.0	30.17	766.3	29.0	— 1.7	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	30.11	764.8	30.13	765.3	29	— 1.7	96	w.	8	3.6	.....	0	1 k	.....	calm	0	0	clear	J. McWilliams
Fort Garry, Manitoba*	29.14	740.1	30.03	762.7	20	— 6.7	92	n.	19	8.5	.....	0	1 ks	.....	n.	0.05	1.3	fair	James Stewart.
Fredericton, N. B	30.17	766.3	30.24	768.1	29.0	— 1.7	67	n.	1	0.4	.....	0	0	.....	.....	0	0	blue sky	Dr. Thos. Harrison.
Grand Manan, N. B	30.15	765.8	30.20	767.1	38	3.3	75	se.	7	3.1	.....	4 c	0	.....	.....	0	0	light haze	J. Chipman Seeley
Granton, Ontario	28.38	720.8	29.48	748.8	45.0	7.2	100	e.	5	2.2	.....	.....	10 n	.....	.....	0.43	10.9	raining	Jas. Grant.
Halifax, N. S*	30.12	765.0	30.26	768.6	32	0.0	81	w.	1	0.4	.....	0	0	.....	.....	0	0	clear	A. Allison.
Hamilton, Ontario	29.11	739.4	29.52	749.8	37.0	2.8	94	ne.	.....	.....	1	10 cs	0	ne.	.....	.....	.....	raining	Geo. Dickson, B. A.
Kingston, Ontario*	29.42	747.3	29.76	755.9	44	6.7	71	e.	5	3.0	.....	5 cs	0	se.	.....	0	0	fair	A. P. Knight, M. A
Little Glace Bay, N. S	30.12	765.0	30.16	766.1	33.0	0.6	78	e.	.....	.....	1	0	0	.....	.....	0	0	blue sky	C. H. Rigby.
London, Ontario	28.55	725.2	29.45	748 0	44.9	7.2	97	e.	.....	.....	2	.....	10 n	.....	.....	0.53	13.5	overcast	E. B. Reed.
Medicine Hat, N. W. T	27.61	701.3	29.96	761 0	32	0.0	90	e.	1	0.4	.....	.....	10 n	.....	.....	0.02	0.5	d. clouds	John Ewart.
Minnedosa, N. W. T	28.96	712.7	30.12	765.0	16	— 8.9	83	n.	14	6.3	.....	hz	0	.....	.....	0.04	1.0	clear	Rev. J. M. Wellwood
Montreal, Quebec*	29.72	754.9	29.93	760.2	37	2.8	75	e.	7	3.1	.....	5 c	2 s	w.	.....	0	0	fair	C. H. McLeod, C. E.
Ottawa, Ontario	29.62	752.3	29.85	758.2	40.8	4.9	99	e.	.....	.....	.....	2 ck	0	.....	.....	0.33	8.4	blue sky	A. McGill, M. A.
Parry Sound, Ontario	28.91	734.3	29.62	752 3	44	6.7	76	e.	17	7.6	.....	.....	10 n	.....	s.	0	0	cloudy	Rev. R. Mosley.
Peterboro, Ontario	28.86	733.0	29.59	751.6	45.7	7.6	75	e.	.....	.....	4	.....	10 k	.....	.....	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.06	738.1	29.78	756.4	31	— 0.6	78	nw.	20	8.9	.....	.....	10 n	.....	.....	0.52	13.2	cloudy	W. P. Cooke.
Port Dover, Ontario	28.83	732.3	29.53	750.0	44	6.7	92	e.	8	3.6	.....	.....	10 n	.....	.....	inap.	inap.	light rain	H. Morgan.
Port Stanley, Ontario	28.82	732.0	29.46	748.3	45	7.2	100	e.	24	10.7	.....	.....	10 n	.....	se.	0.24	6.1	heavy rain	M. Payne.
Qu Appelle, N. W. T	27.74	704.6	30.10	764.5	25	— 3.9	.....	se.	6	2.7	.....	0	0	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.69	754.1	30.05	763.3	35	1.7	96	n.	8	3.6	.....	9 ck	0	n.	.....	0	0	fair	Capt. A he, R. N.
Rockliffe, Ontario*	29.28	743.7	29.74	755 4	39	3.9	82	e.	10	4.5	.....	8 ck	0	w.	.....	0.06	1.5	cloudy	W. H. McIntyre.
St. Andrews, N. B	30.14	765.5	30.19	766.8	35	1.7	63	n.	1	0.4	.....	0	0	.....	.....	0	0	clear	
St. John, N. B	30.05	763.3	30.20	767.1	34.3	1.3	72	ne	1	0.4	.....	0	0	.....	.....	0	0	blue sky	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.08	764.0	26.6	— 3.0	.....	n.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	28 78	731.0	29.49	749.0	48	8.9	89	se.	7	3.1	.....	.....	10 ks	.....	.....	0	0	cloudy	
Stratford, Ontario	28.19	716.0	29.47	748.5	43.9	6.6	84	se.	9.5	4.2	.....	.....	10 s	.....	.....	0.560	14.2	raining	W. McBride, A.M.

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	30.14	765.5	30.21	767.3	29	— 1.7	67	calm	0	0		0	0			0	0	clear	T.C.Hill, C.E.
Toronto, Ontario*	29.22	742.2	29.60	751.8	42	5.6	79	e.	17	7.6			10 s		ne.	0	0	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.45	722 6	29.52	749.6	41.5	5.3	94	n.	19.0	8.5			10 n			0.470	11.9	raining	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.14	765 5	30.21	767.3	35	1.7	89	e.	8	3.6		4 cs	0	w.		0	0	fair	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.87	758.7	29.90	759.4	65.0	18.3	92	sw.				0	9 n			0	0	threatening	I. Garfelt.
Cape Town, The Castle	29 86	758.4			63.0	17.2	59	nw.					10 kn			c	0		Capt.R.Gardner Warton
Springbok Fontein	27.89	708.4			59	15.0	78									0	0		J T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					52.5	11.4	88	s.			2		10 n		s.	0	0	cloudy	Leon Herrera.
Valparaiso	29.81	757.2	29.95	760.8	57.0	13.9	84	s.			1	0	0			0	0	clear	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.12	765.0	30.14	765 6	55.8	13.2	79	nnw.	6.3	2.8			10			0	0	covered	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.64	752.9	29.69	754.1	48.0	8.9	66	ssw.	16	7.			5						Oversergent Fischer.
Fanöe	29.67	753.6	29.69	754.1	43.5	6.4	75	w.			4		10						Overloerer Laurdsen.
Godthaab, Greenland	30.04	763.1	30.09	764.2	34.0	1.1	79	s.			7		9						S. Kleinschmidt.
Ivigtut, Greenland	30.23	767.8	30.25	768.3	38.8	3.8		se.			4–6		10						
Stykkisholm, Iceland	30.31	769.8	30.35	770.9	43.5	6.4	93	w.			2		10					foggy	A. O. Thoriacius.
Thorshavn	30.14	765.5	30.16	766.1	45.5	7.5	90	nne.	13	6.			10					raining	Overloerer Bergh.
Upernavik, Greenland	29.76	756.0	29.81	757.2	22.8	— 5.1		calm			0		8						
Vestervig	29.51	749.5	29.60	751.8	43.9	6.6	81	wnw.			4		10						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.82	757.5			74.3	23.5		ne.	4.7	2.1		0				0	0		Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School																			M. Labroue, Director.
Alençon, Normal School	29.37	746.0	29.92	760.0	49.6	9.8	89	ne.			1		5 k		sw.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.65	753.2	29.90	759.4	51.4	10.8	60	nw.			2		2	se.	se.	0	0	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.54	750.4	29.62	752.4	56.5	13.6	64	nnw.			2		10			0	0	covered	M. Giraud, Director.
Bar-sur-Seine	29.19	741.4	29.74	755 5	51.8	11.0	54	se			2		8		e.	0	0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.58	751.3	29.85	758.1	51.8	11.	52	ne.			2		8		ne.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.77	730.8	29.57	751.0	49.3	9.6	71	ene.								0.08	2.		M. Gobin, Director.
Bordeaux, Observatory	29.47	748.5	29.73	755.2	47.8	8.8	72	nnw.			1		10			0.028	0.7	covered	M. Rayet, Director.
Bourges, Normal School	29.21	741 8	29.76	755.8	52.5	11.4	52	n.			1		10		n.	0	0	covered	M. Sauvageot, Director.
Brest, Naval Observatory	29.74	755.4	29.98	761.6	47.5	8.6	78	ne.			4		9		ne.	0.059	1.5		M. de Kermarec, Dir.
Caen, Normal School	29.76	755.8	29.83	757.7	53.6	12.0	76	ne.			2		8		ne.	0	0	very cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.44	747.8	29.76	756.0	52.9	11.6	75	ne.			2		2			0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.19	741.3	29.71	754.5	51.1	10.6	80	ne.			1		10			0	0	covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.30	720.4	29.72	754.9	47.3	8.5	74	n.			1		10			0.114	2.9		M. Alluard, Director.
Cluny, Normal School	28.86	733 0	29.71	754.6	48.9	9.4	71	ne.			1		10		ne.	0.020	0.5		M. de Villemonté, Dir.
Commercy, Normal School	28.96	735.6	29.78	756.3	52.5	11.4	51	ne.			4		10 kn	ne.	ne.			sprinkling	Dr. Coulet, Director.
Gap, Normal School	27.06	687 4	29.60	751.8	58.1	14.5	52	n.			1	8 ck				0.031	0.8		M. Jarach, Director.
Gréasque, du Rhone	28.47	723.1	29.57	751.1	59.2	15.1	68	nw.			2		5		nw.	0.421	10.7		M. Kinn, Director.
Grenoble, Normal School	28.89	733.7	29.65	753.1	51.1	10.6	77	nnw.			1		n			0.31	8.		M. Ablard, Director.
Guéret, Normal School	28.15	714.9	29.72	755.0	45.7	7.6	72	e.			1		kn		w.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.65	753.2	29.93	760.2	52.5	11.4	80	e.			4		2 kn		e.	0	0	slightly cl'dy	M. Polipre, Dir.
Lescar, Normal School	29.17	740.9	29 69	754.2	50.4	10.2	62	w.			1		10			0.350	8.9	raining	M. Ohanvin, Director.
Lorient, Naval Observatory	29.84	758.0	29.95	760.6	53.2	11.8	86	nne.			2		8		ne.	0	0	¼ covered	L. T. Carre, Director
Lyon, St. Genis-Laval	28.65	727.7	29.72	754.8	45.0	7.2	77	nnw.			1		10 n			0.083	2.1	covered	M. André, Director.
Mans, Normal School	29.56	750 8	29.87	758.6	51.6	10.9	57	e.			4		5 k		ne.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.32	744.6	29.58	751.4	59.4	15.2	68	w.			1		7		se.	0	0		M. Stephan, Director.
Montlouis	24.44	620.7	29.28	743.7	42.4	5.8	61	ne.	9.4	4.2			9	ne.		0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.48	748.9	29.60	751.7	61.5	16.4	81	w.			2		8	w.		0.150	3.8	very cloudy	M. Gaizin, Director.
Nancy, Normal School	28.97	735.9	29.76	755.8	46.8	8.2	64	ene.			2		10			0.012	0.3	raining	M. Hasse, Director.
Nantes, Observatory	29.71	754.5	29.87	758.6	51.6	10.9	47	nne.			1–2		10 n	kn	ne.	c	0		M. Larocque, Director
Perpignan, Observatory	29.55	750.6	29.66	753.4	58.5	14.7	60	nw.	16.8	7.5			4			0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.81	528.7			27.7	— 2.4		sw.					5		sw.	0.055	1.4	cloudy	M. Vaussenat, Director.
Privas, Normal School	28.62	727.0	29.68	753.9	52.9	11.6	76	n.			1		5		s.	0	0	cloudy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.80	630.0			32.5	0.3	100	ene.			1		10			0.118	3.0	foggy	M. Alluard.
Rochefort, Naval Obs'y	29.75	755.6	29.78	756.4	55.0	12.8	48	nne.			2		8		nne.	0	0	¾ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.62	752.3	29.84	757.8	52.5	11.4	56	ne.			4				ne.	0	0		M. Brotlier, Director.
Rodez, Normal School	27.56	700.1	29.69	754.0	45.5	7.5	77	sw.			1		10		se.	0.134	3.4	covered	M. Seger, Director.
Rouen, Normal School	29.82	757.4	29.87	758 6	53.6	12	65	nw.			4		2		nw.	0	0	slightly cl'dy	M. Mouillot, Dir.
Saint Maur, Observatory	29.65	753.1	29.82	757.3	52.3	11.3	44	nne.			4				ne.	0	0		M. Renou, Director.
Toulouse, Observatory	29.04	737 5	29.76	755.8	49.3	9.6	69	w.			1		10	nw.		0	0	covered	M. Baillaud, Director.
Tours	29.60	751.8	29.78	756.4	55.4	13.0	47	n.			2		8	ne.	ne.	0	0	very cloudy	M. de Tastes.
Versailles, Observatory	29.33	744.9	29.82	757.4	53.2	11.8	43	e.			6		8			0	0	very cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.63	752.6	29.78	756.4	52.2	11.2	68	nw.	17.7	7.9			10 ks		nw.	0	0	covered	M. Carlier, Director.
GERMAN.																			
Ansbach	28.29	718.5	29.76	755.8	42.8	6.0	85	ne.			2		10	ne.		0.047	1.2		Prof. Jnedt.
Bamberg	28.92	734.6	29.76	755.8	46.8	8.2	60	w.			1		10 n			0.024	0.6	raining	Prof. Dr. Hoh.
Berlin	29.63	752.5	29.77	756.2	49.6	9.8	42	e.			1		9			0	0		Meteorological Institute
Breslau	29.25	742.9	29.78	756.3	43.7	6.5	75	ne.			1		10			0	0		Royal University Obs'y
Carlsruhe	29.39	744.2	29.76	755.9	40.9	8.3	71	ese.			2		10	ne.		0.024	0.6		Albert Senz.
Cassel	29.06	738 0	29.77	756 1	54.1	12.3	43	e.			1		5	ne.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.43	747 4	29.79	756.7	49.1	9.5	56	nne.			4		10			0	0		Physical Society.
Friedrichshafen	28.28	718.3	29.70	754.4	46.0	7.8	76	ne.			1		10			0	0		Wilhelm, Chief Tel.
Hamburg	29.72	754 9	29.81	757.2	48.6	9.2	71	w.			4		10	e.		0.043	1.1		E. Preiler.
Kiel	29.74	755 4	29.76	755.8	45.9	7.7	63	wnw.			4		0			0.012	0.3		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.36	745 7	29.78	756 4	50.4	10.2	51	ne.			1		10			0.008	0.2		H. Leppig, Asst.
Magdeburg	29.60	751.9	29.79	756.7	50.7	10.4	51	nw.			2		7	ne.		0.004	0.1		Weather Observatory.
Memel	29.83	757.6	29.87	758.8	43.3	6.3	81	wnw.			2		8			0	0		Issermann.
Munich	27.87	708.0	29.72	754.8	43.3	6.3	81	w.			1	10 cs							Central Station.
Neufahrwasser	29.81	757.2	29.84	757.9	41.0	5.0	68	e.			1		10	nw.		0.154	3.9	light rain	A. Lothes.
Neustadt, Palatinate	29.23	742.4	29.75	755 7	48.6	9.2	63	nne.			2		3			0	0		Prof. Dieknether.
Stuttgart	28.80	731.4	29.70	751.4	43.2	6.2	87	ne.			3		10			0	0		Dr. L.Meyer.
Wustrow	29.73	755.2	29.76	755 8	43.0	6.1	88	wnw.			1		10			0.102	2.6		Profs. Brandes & Reimer
GREEK.											4		10 s			0	0		
Athens	29.43	747.5	29.81	757.2	61.5	16.4													Kokkides & Wourlisch.
INDIAN.											1.0	10				(map.	(map.		
Kurrachee	29.78	756.3	29.83	757.6	85.4	29.7	50	wsw.	29.0	13.0			3			0	0	misty	
Deesa	29.31	744 5	29.77	756.1	99.6	37.6	11	w.	7.0	3.1			2	wsw.		0	0	d. clouds	
Bombay	29.79	756.7	29.83	757.7	84.8	29.3	73	wnw.	10.0	4.5			2	wnw.		0	0	d. clouds	
Poona, Yarrowda	29.97	710.5	29.77	756.1	94.8	34.9	9	nw.	21.0	9.4			0			0	0	blue sky	
Trichinopoly	29.57	751.1	29 84	758.0	100.3	37.9	31	ese.	0.2	0.1			0			0	0	blue sky	
Bellary	28 29	718.5	29.70	754.4	99.0	37.2	14	se.	4.0	1.8			2			0	0	d. clouds	
Belgaum	27 28	693.0	29.78	756.4	84.2	29.0	56	wsw.	11.0	4 9			2	n.	w.	0	0	d. clouds	
Lahore	29.02	737.2	29.76	755 8	88.1	31.2	15	nw.	4.0	1.8			0			0	0	blue sky	
Roorkee	28.81	731.8	29.69	754.2	88.2	31.2	6	w.	6.0	2.7			0			0	0	misty	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p.sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Clouds. Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather	Observers.
INDIAN.—Continued.																			
Agra	29.22	742.2	29.77	756.1	94.6	34.8	20	nw.	6.0	2.7	...	...	0	...	...	0	0	blue sky	
Nagpur	28.70	728.9	29.70	754.4	98.7	37.1	10	calm	3.0	1.3	...	...	1	...	...	0	0	blue sky	
Jubbulpore	28.45	722 7	29.77	756.2	93.3	34.1	7	n.	2.0	0.9	...	...	0	...	...	0	0	blue sky	
Lucknow	29.36	745.6	29.72	755.0	92.1	33.4	14	nnw.	13.0	5.8	...	...	0	...	...	0	0	misty	
Allahabad	29.44	747 7	29.74	755.4	94.1	34.5	9	wnw.	...	...	...	...	0	...	...	0	0	misty	
Patna	29.52	749.8	29.70	754.4	92.7	33.7	0	w.	7.6	3.4	...	...	4	w.	w.	0	0	d. clouds	
Hazaribagh	27.76	705.2	29.73	755 2	87.4	30.8	8	wnw.	12.0	5.4	...	...	0	...	...	0	0	misty	
Cuttack	29.65	753.2	29.73	755.2	95.3	35.2	23	sw	3.0	1.3	...	...	6	...	...	0	0	d.clouds	
Calcutta, Alipore	29.68	753.7	29.70	754 3	93.5	34.2	37	ese.	3.0	1.3	...	...	0	...	...	0	0	blue sky	
Chittagong	29.70	754.3	29.79	756.6	82.7	28.2	79	sw	7.5	3.4	...	...	4	...	...	0	0	d. clouds	
Sibsagar	29.38	746.1	29.71	754.7	77.3	25.2	75	ne.	2.0	0.9	...	...	0	...	...	0	0	blue sky	
Jeypore	28.37	720.6	29.78	756.4	92.2	33.4	18	nw.	9.5	4.2	...	...	0	...	...	0	0	blue sky	
Zanzibar	29.87	758.7	...	...	85.6	29.8	66	wsw.	4.1	1.8	...	...	6	ese.	nnw.	...	...	d. clouds	
ITALIAN.																			
Udine	29.17	740 9	29.58	751.2	60.8	16.0	58	nw.	4.9	2.2	...	...	10	...	...	0.079	2.0	...	Prof. Giovanni Clodig.
Milan	29.10	739.0	29.61	752 0	61.5	16.4	47	sw.	6.9	3.1	...	...	9	sw.	...	0.118	3.0	...	Prof. G.V.Schiapparelli
Padua	29.48	748.7	29.58	751.4	55.8	13.2	77	ne.	8.1	3.6	...	...	10	...	...	0.087	2.2	...	Prof. Dott. Lorenzoni.
Moncalieri	...	...	...	...	58.6	14.8	50	e.	1.8	0.8	...	...	9	n.	...	0.142	3.6	...	Prof. F. F. Denza.
Genoa	29.37	746.0	29.56	750.9	58.6	14.8	62	n.	6.3	2.8	...	...	10	ne.	...	0.087	2.2	...	Prof. G. M. Garibaldi.
Pesaro	29.50	749.2	29.54	750.4	57.9	14.4	88	nne.	10.5	4.7	...	...	5	e.	...	0	0	...	Prof. Luigi Guidi.
Florence	29.26	743.2	29.51	749.6	65.8	18.8	46	se.	...	...	2	...	6	nw.	...	0.079	2.0	...	Prof. Costantino Pittei.
Leghorn	29.41	747.0	29.49	749.1	64.4	18.0	60	w.	9.8	4.4	...	...	4	ne.	...	0.043	1.1	...	Prof. P. Monte.
Rome	29.37	746.1	29.55	750.5	66.2	19.0	58	ssw.	13.6	6.1	...	...	8	...	...	0.323	8.2	...	Prof. P. Tacchini.
Lecce	29.35	745.6	29.60	751.9	60.8	16.0	71	wsw.	18.6	8.3	...	...	9	w.	...	0.028	0.7	...	Prof. C. de Giorgi.
Cosenza	28.70	728.9	29.58	751.3	63.0	17.2	78	sse.	1.8	0.8	...	...	3	s.	...	0.228	5.8	...	Prof. D. Conti.
Palermo	29.35	745 6	29.60	751.9	63.3	17.4	59	ne.	7.4	3.3	...	...	5	sw.	...	0.091	2.3	...	Prof. G. Cacciatore
Syracuse	29.49	749.1	29.54	750.2	69.6	20.9	63	wsw.	12.5	5.6	...	...	7	wsw.	...	0.008	0.2	...	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.07	738.4	...	...	62.8	17.1	76	nw.	11.2	5.0	...	...	5	nw.	...	0.106	2.7	...	Prof. F. Brioschi.
Stelvio	21.79	553.5	...	...	38.3	3.5	83	nw.	...	...	1	...	10	...	...	0.248	6.3	covered	Prof. P. F. Denza.
Valdobbia	21.83	554.4	...	...	37.0	2.8	74	se.	...	...	4	...	10	...	...	0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.15	765.7	30.18	766.6	48.8	9.3	85	calm	...	...	0	10c;cs	0	...	...	0	0	cloudy	H. Hattori.
Awomori	30.13	765.3	30.17	766.3	43.8	6.6	86	calm	0	0	...	0	5ks	...	...	0	0	fair	K. Ogawa.
Hakodate	30.15	765 7	30.16	766.0	42.0	5.6	92	calm	0	0	...	0?	0?	...	...	0	0	overcast?	Y. Souma.
Hamamatsu	30.11	764.8	30.21	767.3	57.7	14.3	89	calm	...	...	0	...	10 s	...	...	0.059	1.5	overcast	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.14	765.5	30.16	766.0	60.2	15.7	86	se.	0 7	0.3	...	...	10 n	...	...	0.138	3.5	raining	Y. Okamoto.
Kagoshima	30.09	764 3	30.10	764.5	61 0	16.1	88	ne.	...	...	4	0	6 s	...	...	0.138	3.5	fair	
Kanazawa	30.07	763.7	30.17	766.3	57.7	14.3	70	ene.	6.3	2.8	...	...	10s;ks	...	...	0	0	overcast	S. Endo.
Kioto	30.01	762.3	30.19	766.7	58.2	14.6	70	nne.	1.7	0.7	...	0	8s;ck	...	...	0.008	0.2	cloudy	M. Tojima.
Kochi	30.16	766.1	30.19	766.6	60.0	15.6	95	nw.	8.7	3.8	...	...	10 n	...	...	0.115	2.9	raining	K. Kusunose.
Miasaka	30.13	765.4	30.16	766.1	60.3	15.7	92	se.	...	...	2	...	10 s	...	e.	0.118	3.0	covered	K. Masusaki & T. Ishimain.
Miyako	30.09	764.3	30.20	767.1	42.9	6.1	93	wnw.	4.0	1.8	...	...	10 s	...	...	0	0	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.86	758 4	30.07	763.8	60.2	15.7	86	calm	0	0	...	...	10 s	...	...	1.000	25.4	...	
Nemuro	30.19	766.8	30.24	768 1	34.6	1.4	84	se.	3.0	1.3	...	0	3 s	...	...	0	0	fair	A. Shibuya.
Niigata	30.15	765.8	30.18	766.6	52.8	11.6	81	se.	3.4	1.5	...	3 cs	0	...	...	0	0	fair	Satoo & Tomikawa.
Nobiru	30.20	767.1	30.22	767.5	48.8	9.3	99	sse.	9.0	4.0	...	...	fg	...	...	0	0	foggy	Yoshino & Midzushina.
Numadzu	30.18	766 6	30 21	767.4	56.8	13.8	82	wnw.	...	...	1	...	10 ks	...	...	0.012	0.3	cloudy	T. Ohgi.
Osaka	30.17	766.2	30.18	766.6	57.9	14.4	72	n.	3.3	1.4	...	10 cs	0	...	...	0	0	cloudy	H. Omura.
Saga	30.06	763 6	30.09	764.2	58.8	14.9	95	e.	4.8	2.1	...	...	10 n	...	...	0.833	21.2	raining	A. Matsuhayashi.
Sakai	30.13	765.2	30.14	765.4	57.2	14.0	84	calm	...	...	0	...	10 n	...	sw.	...	...	raining	Yamawchi & Sakamoto.
Sapporo	30.07	763.8	30.14	765.5	40.1	4.5	92	sw.	6.0	2.7	...	...	10 s	...	...	0	0	covered	S. Kimura.
Shimonoseki	29.98	761.4	30.12	765.1	56.0	13.3	93	e.	...	...	1	...	10 n	...	...	0.504	12.8	rainy	S. Sakano.
Tokei Obs'y, Yeddo	30.15	765 9	30.23	767.8	58.2	14.6	91	se.	10.2	4.6	...	...	9 s	...	se.	0.035	0.9	cloudy	The Staff.
Wakayama	30.11	764.9	30.17	766.2	59.1	15.1	58	calm	0	0	...	0	0	...	...	0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.71	754.6	29.90	759.4	77.4	25.2	83	sse.	3.0	1.3	...	2 ck	6kn;ks	...	...	0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.25	615.9	29.94	760.5	55.4	13.9	63	nnw.	0.9	0.4	...	9 c	0	...	...	0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.66	753.4	29.92	760.0	64.0	17.8	73	nnw.	1.6	0.8	...	0	0	...	...	0	0	clear	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.90	759.4	29.90	759.4	50.7	10.4	...	nnw.	...	...	3	...	...	...	...	0	0	...	
Groningen	29.78	756 5	29.84	757.9	45.1	7 3	...	nnw.	...	...	1	...	...	...	...	0	0	...	
Helder	29.87	758.7	29.87	758.7	45.1	7.3	...	w.	...	...	2	...	...	...	...	0.031	0.8	...	
Hellevoetsluis	29.89	759.2	29.89	759.2	50.2	10.1	53	nnw.	...	...	1	...	...	...	...	0	0	...	
Utrecht	29.83	757.7	29.88	758.9	50.2	10.1	61	nw.	...	...	3	...	7	...	...	0	0	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.82	757.5	...	...	81.9	27.7	77	nnw.	0	0	...	...	4	...	...	0	0	...	Lt. J. J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	29.67	753.5	29.73	755.1	45.0	7.2	55	n.	27	12	...	...	4	...	...	0	0	...	
Brono	29.82	757.4	29.86	758 4	35.8	2.1	53	e.	...	...	5	...	8	...	...	0.024	0.6	raining	
Christiania	29.53	750.0	29.68	753.8	42.4	5.8	75	nne.	13	6	...	...	10	...	...	0.016	0.4	...	
Gjæsvær	30.17	766.4	30.20	767.0	19.9	−6.7	...	ne.	...	...	7	...	8	...	...	0	0	...	
PORTUGUESE.																			
Funchal, Madeira	29.98	761.6	30.07	763.8	64.8	18.2	75	w.	13.6	6.1	...	...	3	nw.	...	0	0	...	Capt. D. A. de Cunha.
Lisbon, Observatory	29.56	750.7	29.89	759.3	54.5	12.5	43	nw.	24.8	11.1	...	...	2	...	...	0	0	...	The Staff.
Ponta Delgada, Azores	30.10	764.5	30.17	766.3	61.9	10.6	75	nne.	13.0	5.8	...	...	3	...	...	0.228	5.8	...	
Saint Paul de Loando	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
St. Vincent, Cape Verd Ids.	30.03	762.8	30.07	763.7	70.2	21.2	72	ene.	...	...	4	...	5	...	...	0	0	light haze	
San Salvador, Congo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Serra da Estrella	24.99	634.7	29.85	758.3	31.3	−0.4	94	nnw.	18.1	8.1	...	...	9	...	...	0.598	15.2	...	
RUSSIAN.																			
Akmolinsk	28.91	734.2	30.02	762.4	37.9	3.3	85	sw.	7	3	...	5 c	0	...	...	0	0	...	Major A. Lasarew.
Archangel	29.58	751.2	29.60	751.7	11.8	−11.2	68	nw	18	8	...	...	10	...	...	0	0	light clouds	Capt. Sseliwerstow
Ashurada	29.89	759.2	29.80	756.8	64.8	18.2	79	nw.	18	8	...	...	10 ks	...	...	0	0	...	
Astrakhan	29.95	760.6	29.87	758.7	51.1	10.6	42	nw.	9	4	...	...	10 s;n	...	...	0	0	...	Capt. Wisgnanow.
Baku	29.93	760.3	29.89	759 1	55.9	13.3	71	n	22	10	...	0	3 s	...	...	...	...	...	
Barnaul	29.77	756.2	30.29	769 3	42.4	5.8	55	calm	0	0	...	...	9	...	...	0	0	...	Meteorological Office.
Bielosersk	29.34	745 2	29.83	757.7	21.2	−6.0	51	nw.	11	5	...	...	9 ks	...	...	0	0	solar halo	
Dorpat	29.65	753.1	29.90	759.5	33.6	0.9	47	w.	7	3	...	0	7 k	...	...	0	0	...	Rosenthal.
Ekaterinburg	28.61	726.8	29.57	751.0	47.1	8.4	56	ssw	7	3	...	1 c	0	...	...	0	0	...	Meteorological Obs'y.
Elissawetgrad	29.32	744.7	29.76	755.8	66.6	19.2	47	se.	2	1	...	0	4 k	...	...	0	0	...	
Kasalinsk	29.51	749.6	29.69	754.1	76.8	24.9	29	sse.	7	3	...	...	...	...	...	...	...	...	Butkewitsch.
Kasan	29.29	743 9	29.57	751.0	27.7	−2.4	100	nnw.	11	5	...	...	10	...	...	0.260	6.6	light snow	Observatory.
Kem	29.72	755.0	29.78	756.3	20.1	−6.6	58	nw.	22	10	...	...	10 k	...	...	0	0	hvy. clouds	
Kertch	29.90	759.4	29.92	760.0	51.1	10.6	81	s.	7	3	...	2 c	0	...	...	0	0	...	Lazorio & Sastyrea
Kieff	29.17	741.0	29.82	757.3	44.0	7.0	66	nne.	9	4	...	...	10ks;n	...	...	0.087	2.2	...	Observatory
Koslov	29.31	744.5	29.84	757.8	30.0	−1.1	74	n.	16	7	...	0	0	...	...	0	0	...	
Lgov	29.34	745.1	29.94	760.5	34.2	1.2	70	ne.	9	4	...	...	8	...	...	0.138	3.5	...	R. I. Ssaweljew, Engin'r.
Libau	29.84	758.0	29.87	758.6	39.0	3.9	47	ssw.	7	3	...	...	10	...	...	0	0	...	E. Quass.
Lugan	29.54	750.3	29.74	755 4	65.8	18.8	35	wsw.	34	15	...	...	8	...	...	0	0	...	Meteorological Obs'y.
Moscow	29.39	746.5	29.89	759.2	28.4	−2.0	44	nw.	7	3	...	0	0	...	...	0.004	0.1	...	Meteorological Obs'y.
Nertschinsk	27.96	710.2	30.46	773.6	11.1	−11.6	24	nw.	9	4	...	...	0	...	...	0.004	0.1	...	
Nikolaiev	29.73	755.1	29.80	756.9	61.2	16.2	52	s.	45	20	...	0	0	...	...	0	0	...	Capt. Kurdakow.

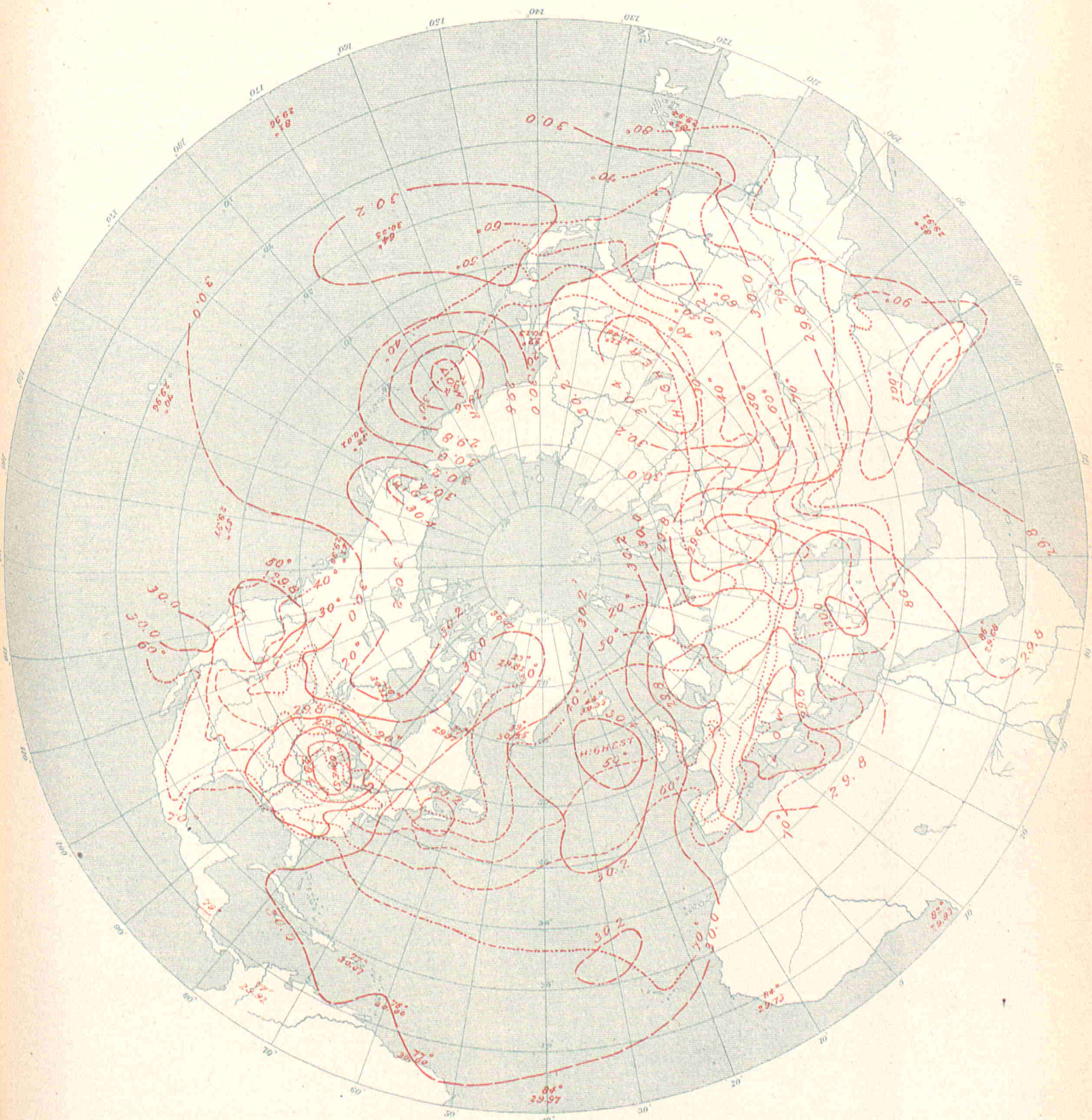
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.04	763.0	30.13	765.2	21.6	— 5.8	52	calm	0	0	.....	0	1 s	.....	... .	.....	.....	.....	Iwanow.
Pekin, China	30.13	765.2	30.27	768.8	60.8	16.0	48	sw.	3.4	1.5	.....	2 cs	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.40	746.7	29.73	755.1	87.1	30.6	11	se.	5.6	2.5	.. ..	1 c	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.59	751.5	29.80	756.8	22.6	— 5.2	48	n.	16	7	.....	0	7 ks	.....	....	0 004	0 1	.....	Dr. Bergmann.
Pinsk	29.33	745.0	29.84	757.8	44.2	6.8	64	e.	13	6	.....	0	6 k	.....	.....	0.228	5.8	.....	
Poti	29.98	761 5	30.01	762.3	48.4	9.1	95	e.	4	2	.....	.....	0	.....	. .....	0.539	13.7	.....	
St. Petersburg	29.87	758.8	29.90	759 4	26.4	— 3.1	46	wnw.	11	5	.....	.....	10 n	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.48	697.9	29.83	757.7	76.3	24.6	27	e.	3.4	1.5	.....	0	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.60	751.9	30.28	769.2	38.7	3.7	75	ese.	9	4	.....	.....	5	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.65	753.1	29.86	758.4	60.3	15.7	37	s.	20	9	.....	1 c	0	.....	.....	0	0	.....	
Staroi Bykhov	29.33	744.9	29.90	759.4	39.2	4.0	48	e.	2	1	.....	0	2 k	.....	.....	0.409	10.4	light clouds	Carl Hagen.
Tashkend, Laboratory	28.32	719.3	29.93	760 3	70.7	21.5	29	n.	4	2	.....	.....	1 k	.....	.....	.....	.....	.....	Terch, A. st
Tiflis	28.52	724.5	29.93	760.3	56.8	13.8	45	n.	31	14	.....	0	6 ks	.....	.....	0.331	8.4	.....	Physical Observatory
Vernoe	27.53	699.2	29.96	761.0	66.2	19.0	30	ne.	4	2	.....	0	1 k	.....	.....	.....	.....	.....	Larionow.
Viatka	28.93	734.8	29.58	751.3	27.5	— 2.5	57	w.	9	4	.....	.....	1	.....	.....	.....	.....	.....	
Vladivostock	30.11	764.7	30.17	766.4	33.6	0.9	98	calm	0	0	.....	.....	10 n	.....	.....	0.004	0.1	foggy	
Warsaw	29.36	745.7	29.78	756.5	49.3	9.6	43	e.	9	4	.....	0	7 k	... .	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.10	764.4	30.41	772 3	19.2	— 7.1	66	e.	9	4	.....	.....	10	.....	.....	0.024	0.6	snowing	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.26	743.2	29.78	756.4	28.0	— 2.2	53	w.	14.8	6.6	.....	0	1 k	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.56	750.9	29.67	753.7	56.7	13.7	81	sw.	.....	.....	.....	.....	10 kn	.....	.....	0.150	3.8	.....	B. Jelin.
Bilbao, Met. Obs'y	29.75	755.6	29.81	757.1	51.8	11.0	77	nw.	1.3	0.6	.....	.....	10	.....	.....	0.417	10.6	covered	Angel de Uralde.
Burgos, Met. Obs'y	26.79	680.4	29.80	757.0	43.5	6.4	79	ne.	9.8	4.4	.....	.....	8	.....	.....	0	0	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.48	698.0	29.74	755.3	46.8	8.2	83	ne.	8.1	3.6	.....	.....	10	.....	.....	0.539	13.7	covered	The Staff.
Murcia, Met. Obs'y	29.51	749.5	29.64	752.8	67.8	19.9	75	wnw.	0.7	0.3	.....	2	7	e.	.....	blank	blank	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.94	735.0	29.84	758.0	49.8	9.9	74	n.	9.4	4.2	.....	.....	7	.....	.....	0.079	2.0	rainy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.93	760.1	29.99	761.7	75.6	24.2	85	se.	6.0	2.7	.....	1 cs	0	wsw.	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	759.0	29.94	760.5	81.8	27.7	75	se.	8.8	3.9	.....	0	1 ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.79	756.8	29.89	759 3	58.6	14.8	56	w.	23.9	10.7	.....	2	5	W.	W.	0.005	0.1	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.98	761 4	30.07	763.7	77.0	25.0	84	calm	0	0	.....	2 s	0	s.	.....	0	0	clear	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	29.96	761.0	30.00	762 0	25.2	— 3.8	63	n.	.....	.....	6	.....	7	.....	.....	0	0	.....	
Umea	29.93	760 2	29.98	761.5	27.3	— 2 6	70	e.	.....	.....	4	.....	9	.....	.....	0	0	.....	
Hernosand	29.85	758.1	29.90	759.4	29.5	— 1.4	60	ene.	.....	.....	4	.....	10	.....	.....	0.106	2.7	.....	
Stockholm	29.55	750.5	29.72	755.0	39.6	4.2	80	ssw.	.....	.....	4	.....	10	.....	.....	0.004	0.1	.....	
Wisby	29.75	755.6	29.81	757.1	41.4	5.2	66	w.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.51	752.2	29.70	754.4	36.0	2.2	96	wsw.	0	0	.....	.....	10	.....	wsw.	0.063	1.6	raining	H.H.Hildebrandesson
Swiss																			
Geneva	28.27	718.1	29.72	754 8	47.8	8.8	77	n.	.....	.....	2	.....	10	.....	.....	0.059	1.5	covered	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.80	756.9	70.2	21.2	35	s.	9	4.0	.....	.....	9	.....	sw.	0.335	8.5	.....	The Observatory.
Valona	.....	.....	29.747	755.47	72.5	22.5	.....	sw.	.....	.....	3	.....	2	.....	.....	0	0	slightly cl'dy	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.98	761.5	66.6	19.2	74	w.	.....	.....	2	.....	2 n	....	se.	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.91	759.7	29.99	761.7	50.4	10.2	49	se.	8	3.6	.....	7ck;cs	1 s	W.	W.	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	28.80	731.5	29.49	749.0	39.2	4.0	89	e.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24 94	633.5	29.86	758.4	33.3	0.7	78	se.	4	1.8	.....	5 ck	0	W.	.....	0	0	fair	J. B. Turton.
Assinnaboine, Ft., Montana	27.10	688.3	30.01	762.2	33.7	0.9	86	se.	6	2.7	.....	6 k	0	se.	.....	0.04	1.0	fair	J.J.O'Connor.
Atlanta, Georgia	28.56	725.4	29.75	755.6	56.3	13.5	98	se.	6	2.7	.....	.....	10k;fg	.....	W.	3.76	95.5	cloudy	S. W. Beall.
Atlantic City, New Jersey	29.88	738.9	29.89	759.2	47.0	8.3	93	ne.	6	2.7	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	B.A.Blundon.
Augusta, Georgia	29.54	750.3	29.73	755.1	62.2	16.8	91	se.	11	4.9	.....	.....	10 n	.....	.....	1.88	47.8	thund'r st'm	W.J.Evans.
Baltimore, Maryland	29.86	758.4	29.91	759.7	48.6	9.2	86	se.	6	2.7	.....	.....	10 n	.....	se.	0.05	1.3	light rain	Geo. W. Felger.
Barnegat City, New Jersey	29.91	759.7	29.93	760 2	46.6	8.1	94	se.	12	5.4	.....	.....	10s;fg	.....	.....	0	0	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.33	719.6	29.97	761.2	34 0	1.1	89	nw.	16	7.2	.....	.....	10 n	.....	nw.	0.05	1.3	light rain	A. Pritchard.
Benton, Fort, Montana	27.10	688.3	29.96	761.0	29.9	— 1.2	100	ne.	2	0.9	.....	.....	10 n	.....	nw.	0.08	2.0	light snow	C.S.Bennett.
Bismarck, Dakota	28.12	714.2	30.00	762.0	30.2	— 1.0	88	n.	12	5.4	.....	.....	10 s	.....	n.	0.01	0.3	cloudy	B. O. Lenoir.
Block Island, Rhode Island	30.05	763.3	30.08	764.0	43.0	6.1	89	sw.	8	3.6	.....	0	8 ks	.....	s.	0	0	cloudy	J. T. Elker.
Boise City, Idaho	26.83	681.5	29.67	753.6	44.3	6.8	86	s.	16	7.2	.....	.....	10 n	.....	.....	0.11	2.8	light rain	James Kenealy.
Boston, Massachusetts	29.94	760.5	30.10	764 5	42.2	5.7	90	se.	4	1.8	.....	3 c	2 s;hz	.....	.....	0	0	fair	O. B. Cole.
Brownsville, Texas	29.81	757.2	29.87	758.7	61.2	16.2	78	sw.	3	1.3	.....	3 cs	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.82	757.4	29.59	751.6	51	10.6	94	se.	11	4.9	.....	.....	10 n	.....	se.	0.03	0.8	light rain	D.Cuthbertson.
Buford, Fort, Dakota	27.96	710.2	30.06	763.5	31.4	— 0.3	100	ne.	6	2.7	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	A. Schneider.
Cairo, Illinois	29.16	740.7	29.57	751.1	58.0	14.4	86	sw.	12	5.4	.....	0	0	.....	.....	0.66	16.8	clear	W. H. Ray.
Canby, Fort, Washington Ter	29.55	750.6	29.75	755.6	43.9	6.6	91	n.	5	2.2	.....	4 ck	4 k	n.	n.	0.07	1.8	cloudy	J.H.Young.
Cape Henry, Virginia	29.87	758 7	29.89	759.2	49.0	9.4	100	se.	12	5.4	.....	.....	10 n	.....	.....	0.15	3.8	heavy rain	A. K. Alderson.
Cape May, New Jersey	29.86	758.4	29.89	759.2	48.3	9.1	94	se.	11	4.9	.....	.....	10n;fg	.....	.....	0.01	0.3	light rain	W.E.Smith.
Cape Mendocino, California	29.06	738.1	29.75	755 6	44.3	6.8	76	nw.	20	8.9	.....	0	8 s	.....	nw.	0.34	8.6	cloudy	A. P. Leavitt.
Cedar Keys, Florida	29.85	758.2	29.87	758.7	73.3	22.9	97	s.	22	9.8	.....	0	7 k	.....	s.	0	0	fair	G. W. Davis.
Charleston, S. Carolina	29.74	755.4	29.80	756.9	67.8	19.9	93	sw.	12	5.4	.....	8 c;ck	fg.	sw.	.....	0.16	4.1	cloudy	J. H. Smith.
Charlotte, N. Carolina	28.96	735.6	29.82	757.4	53.0	11.7	100	e.	4	1.8	.....	.....	10 n	.....	se.	1.28	32.5	light rain	D. O'Donoghue.
Chattanooga, Tennessee	28.84	732.5	29.68	753.9	61.0	16.1	86	sw.	12	5.4	.....	0	7 ks	.....	sw.	2.62	66.5	fair	B. L. Goulding.
Cheyenne, Wyoming	23.83	605 3	29.85	758.2	30.8	— 0.7	51	nw.	15	6.7	.....	0	0	.....	.....	inap.	inap.	clear	E. McGovern.
Chicago, Illinois	28.56	725 4	29.29	744.0	52.7	11.5	90	nw.	6	2.7	.....	.....	10 n	.....	nw.	1.40	35.6	thund'r st'm	T.B.Jennings.
Chincoteague, Virginia	29.88	758.9	29.90	759.4	48.8	9.3	100	se.	5	2.2	.....	.....	10n;fg	.....	s.	0.03	0.8	light rain	C. F. Dickens
Cincinnati, Ohio	28.67	728.2	29.34	745 2	60.9	16.1	87	s.	12	5.4	.....	.....	10 n	.....	s.	0.21	5.3	light rain	L.Dunne.
Cleveland, Ohio	28.62	726.9	29.38	746.2	65.0	18.3	35	se.	18	8.0	.....	.....	10 s	.....	se.	0.06	1.5	cloudy	W.Line.
Columbus, Ohio	28.50	723.9	29.38	746.2	56.2	13.4	88	se.	12	5.4	.....	.....	10 s	.....	se.	0.11	2.8	cloudy	F.T. Williams.
Concho, Fort, Texas	27.98	710.7	29.92	760.0	48.4	9.1	52	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.72	678.7	29.90	759.4	38	3.3	92	n.	3	1.3	.....	.....	10 ks	.....	.....	0	0	cloudy	W.J.Daily.
Davenport, Iowa	28 69	728.7	29.36	745.7	52.0	11.1	77	sw.	9	4.0	.....	.....	10 s	.....	sw.	0	0	cloudy	R. R. Martin.
Davis, Fort, Texas	25.16	639 1	29.94	760.5	49.0	9.4	86	sw.	2	0.9	.....	6 cs	0	.....	.....	0	0	fair	J. Williams.
Dayton, Washington Ter	27.87	707.9	29.63	752.6	36.2	3.4	68	ne.	2	0.9	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	H.S.Blandford.
Deadwood, Dakota	25.24	641 1	29.92	760.0	31.2	— 0.4	88	ne.	8	3.6	.....	.....	10 s	.....	.....	0.28	7.1	cloudy	G.Kingsbury.
Delaware Breakwater, Del	29.93	760.2	29.95	760.7	45.2	7.3	100	se.	10	4.5	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	G.A.Martin.
Des Moines, Iowa	24.60	624.8	29.87	758.7	39.7	4.3	37	s.	7	3.1	.....	0	0	.....	.....	0	0	clear	F. M. Neal.
Detroit, Michigan	28.51	724.1	29.44	747.8	44.1	6.7	77	nw.	16	7.2	.....	.....	10 s	.....	nw.	0	0	cloudy	F. W. Conrad.
Dodge City, Kansas	28.62	726.9	29.35	745.5	54.0	12.2	93	se.	18	8.0	.....	.....	10 n	.....	.....	0.09	2.3	light rain	N.B.Conger.
Dubuque, Iowa	27.21	691.1	29.85	758.2	37.5	3.1	77	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear	J.E.Lamouette.
Duluth, Minnesota	28.61	726.7	29.34	745.2	50.5	10.3	74	w.	2	0.9	.....	.....	10 k	.....	se.	0.04	1.0	cloudy	A.W.Browne.
Eastport, Maine	28.85	732.8	29.62	752.3	39.0	3.9	100	n.	20	8.9	.....	.....	10 n	.....	ne.	1.09	27.7	light rain	E.R.Brace.
Elliott, Fort, Texas	30.10	764 5	30.17	766.3	37.7	3.2	62	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	D. C. Murphy.
El Paso, Texas	27.04	686.8	29.82	757 4	45.3	7.4	36	nw.	11	4.9	.....	2 cs	0	nw.	.....	0	0	clear	J. C. Rickli.
Erie, Pennsylvania	26.21	665 7	29.95	760.7	48.2	9.0	39	w.	1	0.4	.....	0	1 s	.....	.....	0	0	clear	F. Belford.
Escanaba, Michigan	28.72	729 5	29.47	748.5	51.8	11.0	82	se.	23	10.3	.....	.....	10 s	.....	s.	0	0	cloudy	P. Wood.
Fort Smith, Arkansas	28.69	728.7	29.38	746.2	36.0	2.2	100	n.	14	6.3	.....	.....	10 n	.....	n.	0.91	23.1	light rain	L.M.Pindell.
Galveston, Texas	29.20	741.7	29.68	753.9	46.9	8.3	93	calm	0	0	.....	0	0	.....	.....	0.14	3.6	clear	J. B. Campbell.
Grand Haven, Michigan	29.79	756.7	29.83	757.7	68.0	20.0	76	sw.	8	3.6	.....	hz.	0	.....	.....	0.01	0.3	clear	E. O'C. Macinerney
Grant, Fort, Arizona	28.54	724.9	29.23	742.4	52.5	11.4	93	ne.	8	3.6	.....	....	10 n	.. ..	e.	0.29	7.4	light rain	Joseph E. Mueller.
Hatteras, North Carolina	25.17	639.3	29.90	759.4	43.8	6.6	54	e.	1	0.4	.....	10 cs	0	sw.	.....	0	0	cloudy	Chas. A. Read.
	29.90	759.4	29.91	759.7	59.1	15.1	93	se.	10	4.5	.....	6 c	3 k	se.	.....	0	0	cloudy	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. c=10	Clouds. Amount and kind. Upper. c=10	Lower. c=10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.71	653.0	29.92	760.0	28	— 2.2	77	calm	0	0			10 s			0.30	7.6	cloudy	S. W. Morrison.
Huron, Dakota	28.37	720.6	29.82	757.4	34.8	1.6	90	nw.	20	8.9			10 s			0.33	8.4	cloudy	S. W. Glenn.
Indianapolis, Indiana	28.51	724 1	29.33	745.0	53.8	12.1	84	w	10	4.5			10 n		w.	0.26	6.6	light rain	C. F. R. Wappenhans.
Indianola, Texas	29.80	756.9	29.84	757.9	63.2	17.3	96	sw.	15	6.7		0	0			inap.	inap.	clear	I. A. Reed.
Jacksonville Florida	29.81	757.2	29.85	758.2	74.0	23.3	76	s.	17	7.6		3 cs	7 s		s.	0	0	cloudy	J. W. Smith.
Keokuk, Iowa	28.78	731.0	29.45	748.0	49.3	9.6	83	w.	5	2.2			10 s		w.	0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	29.98	761.5	30.00	762.0	77.5	25.3	83	s.	8	3.6		0	7 ks		s.	0	0	fair	J. Harvey Smith.
Kittyhawk, North Carolina	29.88	758.9	29.90	759.4	49.5	9.7	92	se.	8	3.6			10 k			0	0	cloudy	Wesley Blake.
Knoxville, Tennessee	28.59	726.2	29.63	752.6	61.4	16.3	82	sw.	21	9.4			10 ks		sw.	1.81	46.0	cloudy	J. A. Cody.
La Crosse, Wisconsin	28.56	725.4	29.36	745.7	45.0	7.2	93	ne.	4	1.8			10 s			0.03	0.8	cloudy	S. C. Emery.
Leavenworth, Kansas	28.71	729.2	29.62	752.3	47	8.3	77	nw.	12	5.4		0	7 s		nw.	0	0	fair	C. Dill.
Lewiston, Idaho	28.90	734.0	29.75	755.6	40.0	4.4	82	ne.	1	0.4			10 s			0.08	2.0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.36	745.7	29.68	753.9	52.6	11.4	92	sw.	3	1.3		0	0			0.72	18.3	clear	W. U. Simons.
Los Angeles, California	29.65	753.1	30.05	763.3	54.0	12.2	93	calm	0	0			10 s		sw.	0	0	cloudy	T. S. Collins.
Louisville, Kentucky	28.88	733.5	29.45	748.6	56.4	13.6	24	sw.	16	7.2		2 ck	4 k		w.	0.24	6.1	fair	E. B. Garriott.
Lynchburg, Virginia	29.13	739.9	29.84	757.9	51.0	10.6	93	ne.	2	0.9			10 n		se.	0.41	10.4	light rain	Jno. Healy.
Mackinaw City, Michigan	28.78	731.0	29.46	748.3	36.5	2.5	87	e.	11	4.9			10 n		e.	0.16	4.1	light rain	D. B. Notson.
Macon, Fort, North Carolina	29.86	758.4	29.87	758.7	63.0	17.2	90	se.	23	10.3		0	9 n		e.	0.03	0.8	light rain	William Daly.
Maginnis, Fort, Montana	25 35	643.9	29.85	758.2	29.4	— 1.4	67	nw.	5	2.2			10 n		nw.	0.10	2.5	light snow	F. Burke.
Marquette, Michigan	28.76	730.5	29.51	749.5	34.8	1.6	94	n.	10	4.5			fg.			1.69	42.9	dense fog	J. Gilligan.
Memphis, Tennessee	29.31	744.5	29.65	753.1	59.5	15.3	87	sw.	7	3.1		0	0			1.11	28.2	clear	D. T. Flannery.
Milwaukee, Wisconsin	28.51	724.1	29.28	743.7	43.4	6.3	89	nw.	7	3.1			ion; fg			0 42	10.7	light rain	S. W. Rhode.
Mobile, Alabama	29.76	755.9	29.80	756.9	68.8	20.4	89	nw.	7	3.1		0	0			0.27	6.9	clear	H. U. Jones.
Montgomery, Alabama	29.51	749.5	29.74	755.4	64.9	18.3	87	sw.	8	3.6		0	0			0.50	12.7	clear	S. M. Leitzell.
Moorhead, Minnesota	28.78	731 0	29.81	757.2	32.5	0.3	85	n.	20	8.9			10 s		n.	0.01	0.3	cloudy	L. M. Dey.
Mt. Washington, N. H.	23.77	603 7	30.18	766.6	29.5	— 1.4	81	s.	24	10.7			fg.		s.	inap.	inap.	dense fog	E. A. Beals.
Nashville, Tennessee	29.06	738.1	29.64	752.8	58.4	14.7	81	sw.	8	3.6		0	0			1.26	32.0	clear	L. N. Jesunofsky
New Haven, Connecticut	29.93	760.2	30.05	763.3	43	6.1	83	e.	4	1.8			10 s			0	0	cloudy	J. H. Sherman.
New London, Connecticut	30.04	763.0	30.09	764.3	44.0	6.7	83	e.	8	3.6			10 s		se.	0	0	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.75	755.6	29.81	757.2	68.1	20.1	90	calm	0	0		0	fg.			0	0	clear	M. Herman.
New York, New York	29.81	757.2	29.99	761.7	44.3	6.8	89	e.	8	3.6			ion; fg			inap.	inap.	light rain	W. Finn.
Norfolk, Virginia	29.88	758.9	29.91	759.7	51.8	11.0	93	se.	8	3.6			10 n			0.02	0.5	thund'r st'm	Wm. Davis.
North Platte, Nebraska	26.87	682.5	29.83	757.7	41.6	5.3	74	nw.	11	4.9			10 s			0	0	cloudy	E. F. Brady.
Olympia, Washington T'y	29.90?	759.4?	29.94?	760.5?	39.0	3.9	89	calm	0	0		0	2 s			0.23	5.8	clear	J. Dascomb
Omaha, Nebraska	28.39	721.1	29.60	751.8	42.2	5.7	91	n.	6	2.7			10 ks		nw.	0.01	0.3	cloudy	A. Pollak
Oswego, New York	29.41	747.0	29.75	755.6	48.0	8.9	49	se.	25	11.2		9 cs	hz.	w.		0	0	cloudy	J. G. Linsley.
Palestine, Texas	29.21	741.9	29.77	756.1	57.1	13.9	69	sw.	10	4.5		0	0			0.82	20.8	clear	P. T. Jenkins.
Pensacola, Florida	29.74	755.4	29.77	756.1	70.6	21.4	86	w.	8	3.6		0	0			0.01	0.3	clear	M. McGauran.
Philadelphia, Pa	29.80	756.9	29.93	760.2	46.0	7.8	100	ne.	10	4.5			10 n			0.01	0.3	light rain	T. F. Townsend.
Pike's Peak, Colorado	17.50	444.5	29.78	756.4	0.0	—17.8	89	nw.	62	27.8		3 cs	0	w.		0.01	0.3	clear	H. Hall.
Pittsburg, Pennsylvania	28.70	729.0	29.53	750.0	57.2	14.0	72	se.	9	4.0			10 s		sw.	0.03	0.8	cloudy	O. D. Stewart.
Poplar River, Montana					30.5	— 0.8	96						10 s			0.13	3.3	cloudy	Geo. A. Carden.
Port Huron, Michigan	28.65	727.7	29.35	745.5	47.0	8.3	96	se.	9	4.0			10 n		e.	0.43	10.9	light rain	M. H. Perry
Portland, Maine	30.07	763.8	30.12	765.0	41.3	5.2	82	ne.	5	2.2		0	hz.			0	0	clear	W. W. Eichelberger.
Portland, Oregon	29.62	752.3	29.69	754.1	43.0	6.1	89	nw.	3	1.3			10 n			0.24	6.1	light rain	M. L. Hearne.
Prescott, Arizona	24.64	625.8	29.91	759.7	38.0	3.3	84	sw.	2	0.9			10 s			0	c	cloudy	J. Glover.
Provincetown, Mass																			C. N. Kitchel.
Red Bluff, California	29.35	745.5	29.71	754.6	53	11.7	100	s.	28	12.5			10 ks		s.	0.15	3.8	cloudy	J. R. Williams.
Rio Grande City, Texas	29.68	753.9	29.92	760.0	59.0	15.0	59	ne.	3	1.3		1 c	0	n.		0	0	clear	L. G. Schultz.
Rochester, N. Y	28.98	736.1	29.67	753.6	49	9.4	61	s.	25	11.2			10 k		s.	0	0	threatening	E. W. McGann.
Roseburg, Oregon	29.21	741.9	29.77	756.1	41	5.0	92	calm	0	0		0	4 k		w.	0.15	3.8	fair	J. J. Nanry.
Sacramento, California	29.80	756.9	29.87	758.7	53.2	11.8	97	se.	15	6.7			10 n		se.	0.72	18.3	heavy rain	J. A. Barwick
St. Louis, Missouri	28.86	733.0	29.49	749.0	55.5	13.1	73	sw.	13	5.8			0			0.72	18.3	clear	J. H. Weber.
St. Michael, Fort, Alaska	30.41	772.4	30.44	773.2	15	— 9.4	91	s.	6	2.7		ios; hz	10 s			inap.	inap.	cloudy	Fred. H. Clarke
St. Paul, Minnesota	28.58	725.9	29.46	748.3	40.0	4.4	73	n.	12	5.4			10 s		ne.	0.49	12.4	cloudy	P. F. Lyons.
St. Vincent, Minnesota	29.08	738.6	29.99	761.7	26.5	— 3.1	77	n	7	3.1			10 s		n.	inap.	inap.	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.43	645.9	29.80	756.9	45.0	7.2	68	calm	0	0			10 ks		sw.	0.07	1.8	cloudy	J. Craig.
San Diego, California	29.93	760.2	30.00	762.0	55.0	12.8	89	n.	1	0.4		7 ck	0	n.		0	0	fair	F. R. Day.
Sandusky, Ohio	28.64	727.4	29.34	745.2	56.1	13.4	80	se.	16	7.2			10 ks		se.	0.10	2.5	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.96	761.0	29.99	761.7	47.0	8.3	89	se.	7	3.1			10 s			0	0	cloudy	V. P. Chappel.
Sanford, Florida	29.82	757.4	29.87	758.7	76.0	24.4	79	sw.	20	8.9			3 k		sw.	0	0	clear	J. B. Marbury
San Francisco, California	29.77	756.1	29.84	757.9	56.0	13.3	92	s.	16	7.2			ion; fg		sw.	1.34	34.0	light rain	N. Gorom.
Savannah, Georgia	29.70	754.4	29.79	756.7	69.2	20.7	88	s.	8	3.6		7 c	0	w.		0.01	0.3	fair	H. W. Ford.
Shaw, Fort, Montana	26.28	667.5	29.95	760.7	28	— 2.2	88	w.	4	1.8		0	8 s		w.	0.11	2.8	cloudy	A. L. Mathews
Shreveport, Louisiana	29.52	749.8	29 70	755.9	54.4	12.4	88	s.	3	1.3		0	0			2.27	57.7	clear	E. N. Meekins.
Sitka, Alaska	29.82	757.4	29.90	759.4	41.2	5.1	73	calm	0	0		8 ck	0	w.		0	0	cloudy	F. W. Fickett.
Smithville, North Carolina	29.77	756.1	29.81	757.2	67.2	19.6	89	s.	32	14.3			10 s		sw	0.06	1.5	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.66	702.6	29.72	754.9	37.5	3.1	87	ne.	3	1.3		0	7 s			0.13	3.3	fair	D. Moore.
Springfield, Illinois	28.76	730.5	29.46	748.3	53.1	11.7	75	w.	9	4.0		3 cs	2 k	w.	w.	0 16	4.1	fair	W. Norrington.
Stockton, Fort, Texas	26.90	683.2	29.92	760.0	49.5	9.7	45	w.	11	4.9		0	2 s			0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.77	756.1	29.86	758 4	45.3	7.4	89	ne.	4	1.8		4 c	3 s	ne.	ne.	inap.	inap.	fair	R. Connor.
Thomas, Camp, Arizona	27.22	691.4	29.95	760.7	40.2	4.6	65	calm				0	10 s			0	0	cloudy	R. O. Lord.
Toledo, Ohio	28.58	725.9	29.29	744 0	55.2	12.9	85	se.	7	3.1			10 s		se.	0.24	6.1	threatening	A. Buell.
Unalashka, Alaska	29.99	761.7	30.01	762.2	32	0.0	88	s.	6	2.7		4 cs	0			0	0	fair	Samuel Applegate
Vicksburg, Mississippi	29.52	749.8	29.78	756.4	56	13.3	93	s.	2	0.9		0	0			1.84	46.7	clear	F. W. Mixer.
Washington, D. C.	29.81	757.2	29.93	760.2	47.0	8.3	93	s.	4	1.8			10 n		s.	0.07	1.8	light rain	T. B. Harrison.
West Las Animas, Colorado	25.89	657.6	29.84	757.9	33.3	0.7	71	w.	9	4.0		0	0			0	0	clear	F. H. Brandenburg
Wilmington, N Carolina	29.76	755.9	29.82	757.4	68.9	20.5	91	s.	15	6.7			10 s		s.	0.04	1.0	cloudy	L. H. Albrecht.
Yankton, Dakota	28.37	720.6	29.71	754.6	38.2	3.4	88	n.	23	10.3			10 n		n.	0.20	5.1	light rain	E. H. Thompson.
Yuma, Arizona	29.73	755.1	29.88	758.9	58.4	14 7	75	calm	0	0			10 s		sw.	0	0	cloudy	W. S Delano.
Duo-series.																			
Behringisland, Kamchatka	29.21	741.9	29.23	742.4	30.6	— 0.8		s.	18	8.0			10 n			0.18	4.6	cloudy	George Oherulck.
Bluefields, Nicaragua, C. A.					85	29.4		ne.			3	1 c	3 ks		ne.	0	c	fair	W. B. Jackson.
Bogota, U. S. C.	21.90	556.3			55.4	13.0	87	sw.	2	1			10 pk		n.	0.669	17.0		Joaquim Gomez.
Chimo, Fort, Ungava	29.82	757.4	29.97	761.2	27	— 2.8	100	s.	7	3.1		10 cs	0	w.		0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.			29.98	761.5	74	23.3	80	n.	1	0.4		2 cs	5 s		e.	0	0	fair	Robert Johnston.
Paramaribo, S. A.	30.00	762.0	30.00	762.0	77	25.0	91	se.			2	5 ck	4 s	e.		0	0		Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.35	745.5	29.91	759.7	77	25.0	94	s.			1		5 k		calm	0	0	fair	Francisco J. Olsu.
Rivas, Nicaragua, C. A.	29.85?	758.2?	30.01?	762.2?	78.5	25.8	85	ne.			1	cs	ks		ne.	0	0	clear	Earl Flint.
York Factory, B. A.	30.24	768.1	30.31	769.9	—15.5	—26.4	70	n.	9	4.0		3 k	3 s	n	n.	0.03	0.8	cloudy	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			P. Fasiani.
Colon																			Antonio Fabre.
Naos, Bay of Panama																			

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.	Character.	Direction from	
District No. 1—North Atlantic.																		
S. S. Alvo, Petit Goave, Hayti, W. I *	29.99	761.7	75	23.9	.....	e.	.....	.....	2-3	.....	4	.....	calm	0	0	.....	.....	fine.
S. S. Alps, Port Maria, Jamaica*†	29.97	761.2	79	26.1	.....	e.	.....	.....	4	.....	3	.....	ese.	rain	rain	sm'h	se.	clear.
S. S. Alisa, N. 27° 39′, W. 74° 25′	.....	.....	76	24.4	91	se.	.....	.....	4	.....	1	.....	se.	0	0	light	se.	clear.
S. S. Abys nia, N. 41° 23′, W. 61° 18′*	30.19	766.8	46	7.8	69	n.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	blue sky
S. S. Bohemia, N. 40° 31′, W. 57° 28′	.....	.....	.....	.....	.....	nw.	.....	.....	3-5	.....	9	.....	nw.	4 h'r	4 h'r	mod.	nw.	raining.
S. S. City of Washington, Vera Cruz, Mexico*†	29.90	759.4	84	28.9	.....	se.	.....	.....	3	.....	5	.....	se.	0	0	.....	.....	fine.
S. S. Canada, (Fr) N. 47° 08′, W. 29° 19′	.....	.....	57.5	14.2	.....	sse.	.....	.....	4	.....	10	.....	wsw.	0	0	mod.	con.	hazy.
S. S. Circassian, Halifax, N. S	.....	.....	40	4.4	91	calm	.....	.....	0	.....	0	.....	.....	.....	.....	sm'h	.....	clear
S. S. Cienfuegos, N. 23° 34′, W. 74° 35′	30.08	764.0	76	24.4	.....	se.	.....	.....	4	.....	1	.....	se.	0	0	small	ese.	clear.
Bk. C. S. Bushnell, N. 38° 36′, W 19° 56′	30.13	765.3	.....	.....	.....	ne	.....	.....	3	.....	10	.....	ne.	0	0	long	w	cloudy.
S. S. Denmark, N. 41° 08′. W. 55° 19′ †	30.14	765.5	47	8.3	70	n.	.....	.....	4	.....	5	.....	calm	8 h'r	8 h'r	sm'h	.....	fine.
S. E. B. Sutton, N. 37° 16′. W. 56° 10′ *†	30.13	765.3	55	12.8	81	n.	.....	.....	4	.....	3	.....	n.	light	light	mod.	var.	fair.
S. S. Elbe, N. 46° 59′, W. 31° 10′	.....	.....	53.6	12.0	.....	n.	.....	.....	2	.....	0	.....	.....	0	0	mod.	nw.	clear.
S. S. Eider, Bremerhaven, Germany*	29.87	758 8	43.7	6.5	.....	nw.	.....	.....	4	.....	5	.....	n	0	0	.....	.....	fair.
S. S. Fulda, N. 42° 43′, W. 43° 26′	30.21	767.4	50.9	10.5	85	ne.	.....	.....	4	.....	7	.....	sw.	2 h'r	2 h'r	mod.	sw.	fair.
S. S. Gellert, N. 41° 52′, W. 43° 56′	30.12	765.0	53.0	11.7	.....	ne.	.....	.....	2	.....	4?	.....	sw.	3 h'r	3 h'r	mod.	sw.	covered.†
S. S. Gallia, N. 44° 29′, W. 42° 52′	30.17	766.3	56	13.3	.....	w.	.....	.....	2	.....	5	.....	w.	.....	.....	mod.	w.	fair.
S. S. Helvetia, N. 40° 21′, W. 73° 31′	.....	.....	46	7.8	100	ene.	.....	.....	3	.....	10	.....	.....	3 h'r	3 h'r	.....	.....	drizzling.
Bg. L. & W. Armstrong, N. 38° 40′, W. 71° 10′	.....	.....	.....	.....	.....	e.	.....	.....	4	.....	10	.....	e.	1 h'r	1 h'r	sm'h	e.	rain & fog.
Schr. Maggie Abbott, N. 41° 00′, W. 71° 40′	.....	.....	.....	.....	.....	se.	.....	.....	2	.....	0?	.....	.....	0	0	.....	.....	cloudy.?
S. S. Marengo, N. 40° 46′, W. 66° 38′	.....	.....	51	10.6	.....	calm	.....	.....	0	.....	4	.....	calm	0	0	sm'h	.....	clear.
S. S. Nurnberg, N. 46° 57, W. 31° 46′	.....	.....	55.4	13.0	.....	se.	.....	.....	4	.....	5	.....	s.	4 h'r	4 h'r	mod.	se.	fair.
S. S. Nova Scotian, N. 43° 08′, W. 43° 56′	30.25	768.3	49	9.4	.....	nne.	.....	.....	4	.....	10	.....	w.	.....	.....	sli't	w.	cloudy.
S. S. Nessmore. N. 39° 55′, W. 56° 34′	30.16	766.1	54	12.2	87	n.	.....	.....	4	.....	5	.....	n.	4 h'r	4 h'r	mod.	nw.	fair.
S. S. Oregon, (Br) Halifax, N. S	30.21	767.3	34	1.1	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Polynesian, N. 48° 23′, W 35° 25′	30.21	767.3	51	10.6	.....	sse.	.....	.....	3	.....	7	.....	sw.	8 h'r	8 h'r	mod.	s.	fair.
S. S. P. Caland, N. 40° 29′, W. 48° 30′	.....	.....	52.9	11.6	.....	nne.	.....	.....	5	.....	3	.....	n.	0	0	sm'h	.....	clear.
S. S. Republic, N. 41° 53′, W. 49° 37′ †	30.16	766.1	42	5.6	.....	s.	.....	.....	4	.....	9	.....	nw.	0	0	sm'h	.....	d. clouds.
S. S. Rhein, N. 49° 31′, W. 14° 52′	30.26	768.6	.....	.....	.....	ne.	.....	.....	6	.....	4	.....	ne.	0	0	mod.	ne.	fair
S. S. State of Georgia, N. 40° 44′ W. 56° 54′†	30.14	765.5	49	9.4	.....	n.	.....	.....	3	.....	3	.....	wnw.	0	0	sm'h	.....	clear.
S. S. Salier, N. 41° 21′, W. 56° 33′	30.21	767.3	.....	.....	.....	nnw.	.....	.....	1-2	.....	2	.....	e.	½h'r	½hr	light	nne.	clear.
S. S. The Queen, N. 43° 52′, W. 40° 17′	30.07	763.8	57	13.9	.....	nne.	.....	.....	1	.....	8	.....	w	1 h'r	1 h'r	mod.	sw.	cloudy.
S. S. Vaderland, N. 39° 56′ W. 58° 00′*†	30.08	761.0	52	11.1	.....	nnw.	.....	.....	1	.....	1?	.....	n.	8 h'r	8 h'r	mod.	nw.	cloudy?
S. S. Weser, N. 41° 39′, W. 48° 50′	30.21	767.3	38.3	3.5	.....	se.	.....	.....	3	.....	2	.....	.....	3 h'r	3 h'r	3	w.	clear.
S. S. Westernland, Antwerp, Belgium	29.88	758.9	50	10.0	72	nnw.	.....	.....	3	.....	6	.....	nnw.	0	0	.....	.....	fair.
S. S. Waesland, N. 49° 06′, W. 16° 15′	30.32	770.1	55	12.8	.....	nne.	.....	.....	6	.....	8	.....	nne.	0	0	mod.	ne.	clearing.
Bk. Alpha, N. 26° 15′, W 74° 20′ *†	30.08	764.0	76	24.4	.....	se.	.....	.....	4	.....	3	.....	se.	0	0	sm'h	.....	clear.
Schr Adda Doane, Port Antonio, Jamaica, W.I †	30.03	762.7	.....	.....	.....	s.	.....	.....	1	.....	5	.....	w.	1 h'r	1 h'r	.....	.....	fair.
S. S. America, N. 40° —′, W. 48° —′*	30.11	764.8	54	12.2	.....	nne.	.....	.....	4	.....	8	.....	nne.	.....	.....	light	nne.	cloudy.
S. S. Caracas, Puerto Cabello, W.I *†	30.00	762 0	76	24.4	84	w.	.....	.....	1	.....	0	.....	.....	0	0	light	ene.	clear.
S. S. City of Merida, N. 23° 09′, W. 82° 22′*†	30.00	762.0	78.8	25	.....	se.	.....	.....	2	.....	5	.....	se.	0	0	light	se.	fine.
S. S. Chalmette, N. 39° 02′, W. 74° 12′†	29.98	761.5	46	7.8	.....	e.	.....	.....	2	.....	.....	.....	.....	0	0	mod.	se.	foggy.
S. S. Devonia, N. 54° 57′, W. 14° 50′ †	30.51	774.9	47	8.3	.....	n.	.....	.....	4	.....	9	.....	nne.	1 h'r	1 h'r	short	nne.	cloudy
S. S. Elysia, N. 40° 35′, W. 62° 21′ *	30.12	765.0	49	9.4	.....	n.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. Erin, New York, N.Y	30.00	762.0	49	9.4	.....	ese.	.....	.....	4	.....	10	.....	.....	0	0	.....	.....	misty.
S. S. Foscolia, N. 34° 21′, W. 43° 19′†	30.00	762.0	67	19.4	.....	s.	.....	.....	6	.....	10	.....	sw.	0	0	mod.	ssw.	squally.
S. S. Grecian, N. 42° 22′, W. 67° 06′	30.21	767.3	41	5.0	91	s.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bk. Idaho, Cienfuegos, Cuba, W. I*†	30.06	763.5	.....	.....	.....	ene.	.....	.....	2	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bg. Lilian, Georgetown, British Guiana †	29.95	760.7	.....	.....	.....	ene.	.....	.....	3	.....	1	.....	.....	0	0	.....	.....	clear.
S. S. Labrador, N. 41° 24′, W. 66° 10′*†	30.24	768.0	53.6	12	.....	s.	.....	.....	3	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
S. S. Muriel, St. Kitts, W. I	30.01	762.2	79	26.1	.....	ese.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. S. New York, N 26° 00′, W. 85° 00′*†	29.96	761.0	78	25.6	.....	ssw.	.....	.....	6	.....	5	.....	s.	.....	.....	r'gh	sw.	fair.
S. S. Pennsylvania, N. 45° 36, W. 34° 15′	.....	.....	54	12.2	67	e.	.....	.....	1	.....	0	.....	.....	0	0	light	e.	clear.
S. S. Samaria, near Fastnet, Ireland	30.13	765.3	49	9.4	.....	nne.	.....	.....	4	.....	1	.....	ne.	0	0	sli't	ne.	clear.
Bk. Tros, N. 30° 40′, W, 71° 40′ *†	30.05	763.3	68	20.0	.....	s.	.....	.....	2	.....	1	.....	ssw.	0	0	mod	s.	clear.
U. S. S. Alliance, N. 22° 58′, W. 79° 12′	30.04	763.0	77	25.0	82	ese.	.....	.....	4	.....	2	.....	se.	0	0	sm'h	.....	fair.
U. S. S. Galena, St. Thomas, W. I*	30.02	762.5	78	25.6	73	se.	.....	.....	1	.....	5	.....	s;e.	.....	.....	sm'h	.....	fair.
U. S. S. Jamestown, St. Kitts, W. I	30.08	764.0	76	24.4	68	ne.	.....	.....	3	.....	8	.....	e.	.....	.....	sm'h	.....	fair.
U. S. S. Kearsarge, Beirut, Syria	30.01	762.2	69	20.6	75	wnw.	.....	.....	2	.....	2	.....	calm	.....	.....	sm'h	.....	fair.
U. S. S. Lancaster, Beirut, Syria	29.98	761.5	69	20.6	95	w.	.....	.....	1	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Pensacola. N. 9° 23′. W. 43° 54′†	30.03	762.7	79	26.1	82	nne.	.....	.....	5	.....	2	.....	nne.	0	0	mod.	nne.	fair.
U. S. S. Portsmouth, N. 31° 50′, W. 72° 31′	30.06	763.5	66	18.9	100	sse.	.....	.....	5	.....	5	.....	s.	.....	.....	mod.	s.	fair.
U. S. S. Quinnebaug, N. 33° 08′, E. 22° 19′	29.66	753.4	67	19.4	74	sse.	.....	.....	4	.....	10	.....	.....	.....	.....	mod.	s.	cloudy
U. S. S. Saratoga, Lisbon, Portugal	.....	.....	57	13.9	75	n.	.....	.....	3	.....	2	.....	n.	0	0	sm'h	.....	fair.
U. S. S. Swatara, Matanzas, Cuba W. I	29.99	761.7	75	23.9	100	sw.	.....	.....	2	.....	1	.....	sw.	0	0	sm'h	.....	clear
U. S. S. Vandalia, N. 23° 23′, W. 81° 07′	30.01	762.2	77	25.0	86	s.	.....	.....	3	.....	2	.....	calm	.....	.....	sm'h	.....	fair.
U. S. S. Yantic, Matanzas, Cuba, W. I	30.01	762.2	74	23.3	95	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	fair.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	.....	.....	74	23.3	68	e.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky
H. M. S. Alecto, N. 5° 33, W. 0° 04′	29.85	758.2	85	29.4	.....	sw.	.....	.....	2	.....	5	.....	.....	.....	.....	5	ssw.	d. clouds.
H. M. S. Himalaya, N. 39° 38′, W. 10° 00′..	29.92	760.0	54	12.2	61	nnw.	.....	.....	4	.....	4	.....	.....	.....	.....	4	nne.	d. clouds.
H. M. S Inflexible, Corfu, Ionian Islands	29.66	753.4	66	18.9	89	sse.	.....	.....	3	.....	2	ssw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Minotaur, Malta, Mediterranean	.....	.....	67	19.4	76	ese.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Douro, N. 1° 38′, E. 7° 27′	29.93	760.1	82.4	28.0	89	nne.	.....	.....	2	.....	5	.....	ne.	2 h'r	2 h'r	1	se.	d. clouds.
S. S. British Prince, N. 43° 52′, W. 41° 00′	.....	.....	50.5	10.3	75	w.	.....	.....	6	.....	2	.....	nw.	6 h'r	6 h'r	h'vy	wnw.	clear.
S. S. Ohio, (Am.) N. 39° 30′. W. 57° 48′	.....	.....	49.5	9.7	48	ne.	.....	.....	2	.....	4	.....	ne.	0	0	mod.	ene.	clear.
S. S. Scandinavian, Charlestown, Mass.	30.11	764.8	44	6.7	.....	sse	.....	.....	3	cs	.....	.....	.....	0	0	.....	.....	d clouds.
S. S. Sardinian, N. 43° 49′, W. 44° 55′	.....	.....	48	8.9	.....	w.	.....	.....	1	.....	.....	.....	s.	½h'r	½h'r	sm'h	.....	clear.
S. S. Athos, N. 25° 27′, W. 74° 12′.	.....	.....	.....	.....	.....	ene.	.....	.....	2	.....	2	.....	wnw.	0	0	mod.	se.	fair.
S. S. Dorian, N. 41° —′, W. 42° 15′	30.11	764.8	58	14.4	.....	nne.	.....	.....	3	.....	10	.....	.....	6 h'r	6 h'r	mod.	wsw.	overcast.
S. S. California, N. 48° 32′, W. 22° 38′	.....	.....	62.5?	16.9?	.....	ne.	.....	.....	3	.....	2	.....	ene.	0	0	long	ene.	clear.
S. S. St. Laurent, N. 49° 03′, W. 24° 45′	30.38	771.6	55.4	13	.....	e.	.....	.....	3	.....	10	.....	.....	0	0	r'gh	w.	covered.
S. S. Westphalia, N. 45° 59′, W. 34° 47′	30.26	768.6	55	12.8	.....	sw.	.....	.....	3	.....	2	.....	sse.	0	0	mod.	sse.	clear.
S. S. Hammonia, N. 42° 08′, W. 41° 47′	30.08	764.0	50	10 0	.....	nne.	.....	.....	4	.....	7	.....	sw.	0	0	cross	sw; se	cloudy.
S. S. Venetian, N. 47° 50′, W. 37° 00′*	30.06	763 5	49	9.4	.....	s.	.....	.....	6	.....	0	.....	.....	0	0	.....	sse.	blue sky.
S. S. Hevelius, Liverpool, Eng†	29.99	761.7	45	7.2	.....	nne.	.....	.....	6	.....	9	.....	ne.	3 h'r	3 h'r	.....	.....	cloudy.
S. S. Archimede, (It.) Palermo, Sicily†	29.66	753.4	74	23.3	.....	var.	.....	.....	2	.....	4	.....	ssw.	0	0	.....	.....	fair.
S. S. Gottardo, N. 37° 04′, W. 55° 24′	.....	.....	61.5	16.4	.....	n.	.....	.....	4	.....	8?	.....	ne.	2 h'r	2 h'r	light	ne.	clear.?
S. S Donau, N. 40° 47′, W. 57° 31′	.....	.....	.....	.....	.....	n.	.....	.....	4	.....	3	.....	nw.	2 h'r	2 h'r	sm'h	.....	fine.
S. S. City of Augusta, Savannah, Ga *†	29.84	757.9	.....	.....	.....	ese,	.....	.....	6	.....	8	.....	se.	rain	rain	.....	.....	cloudy
S. S. Belgenland, N. 39° 43′, W 54° 46′	.....	.....	52	11.1	86	nne.	.....	.....	3	.....	.....	.....	ne.	0	0	sm'h	.....	cloudy
S. S. Rhynland, N. 39 55′, W. 58° 31′	.....	.....	52	11.1	73	nnw.	.....	.....	1	.....	2	.....	n.	0	0	sm'h	.....	fair.
S. S. Pennland, Antwerp, Belgium*†	29.83	757.7	52	11.1	66	n.	.....	.....	1	.....	4	.....	ne.	0	0	.....	.....	fine.
S. S. Amsterdam, N. 49° 24′, W. 14° 41′*	30.30	769.6	56.5	13.6	82	ne.	.....	.....	4	.....	2	.....	ne.	0	0	light	e.	clear.
S. S. W. A. Scholten, N. 40° 20′, W. 46° 13′	30.07	763.8	54.5	12.5	100	s.	.....	.....	4	.....	10	.....	sw.	0	0	1	nw.	squally.
S. S. Zaandam, N. 49° 32′, W. 12° 00′	30.17	766.3	51.4	10.8	84	ne.	.....	.....	4	.....	8	.....	ene.	4 h'r	4 h'r	long	ene.	cloudy.
S. S. Baltic, N. 43° 42′, W. 41° 56′ *†	30.12	765.0	.....	.....	.....	nw.	.....	.....	1	.....	5	.....	n	0	0	mod.	cross	fair.
S. S. Salerno, N. 40° 29′, W 69° 25′†	30.15	765.8	46	7.8	.....	e.	.....	.....	3	.....	10	.....	.....	0	0	.....	.....	overcast.
Bg. Alcira, Maracaybo, Venezuela	.....	.....	82	27.8	.....	e.	.....	.....	1	.....	8	.....	ese.	0	0	.....	.....	cloudy.
S. S. Antonio Lopez, N. 29° 22′, W. 43° 38′	30.05	763.3	66.5	19.2	92	s.	.....	.....	6	.....	10	.....	.....	0	0	.....	s.	squally.
Schr. Arthur Burton, N. 17° 30′. W. 66° 40′ †	30.09	764.3	.....	.....	.....	ene.	.....	.....	3	.....	4	.....	ene.	0	0	chop	se.	fine.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W.I†	30.06	763.5	79	26.1	.....	se.	.....	.....	1	.....	3	.....	ene.	0	0	.....	.....	clear.
Schr. Annie A. Holton, N 25° 52′, W. 76° 43′	.....	.....	78	25.6	.....	sse.	.....	.....	5	.....	2	.....	s.	0	0	mod.	se.	clear.
Bk. Aureola, N. 8° 13′, W. 28° 21′	.....	.....	79	26.1	70	ne.	.....	.....	4	.....	4	.....	ne.	0	0	mod	nne.	fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bg. Abbie Clifford, Port of Spain, Trinidad, W.I†	29.96	761.0	72	22.2	.....	calm	.....	.....	0	.....	3	.....	e.	0	0	.....	.....	fine.
Bgt. Achsah, N. 28° 54′, W. 66° 38′ †	30.15	765.8	70	21.1	.....	ene.	.....	.....	2	.....	2	.....	ene.	0	0	mod.	ne.	fair.
Bk. Adelaide, N. 20° 48′, W. 61° 35′	.....	.....	80	26.7	.....	nne.	.....	.....	3	.....	2	.....	n.	0	0	sm'h	nne.	clear.
Schr. Abbie H. Gheen, N. 38° 45′, W. 75° 00′ *†	30.00	762.0	58	14.4	.....	se.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	rainy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.94	760.5	78	25.6	.....	e.	.....	.....	4	.....	1	.....	e.	1 h'r	1 h'r	.....	.....	clear.
S. Cornelius, N. 21° 49′, W. 30° 53′ *†	30.25	768.3	73.6	23.1	.....	e.	.....	.....	5	.....	2	.....	.....	0	0	sm'h	.....	clear.
Bk. Diamant, N. 45° 29′, W. 29° 10′	30.24	768.1	56.5	13.6	93	ese	.....	.....	4	.....	10	.....	se.	5 h'r	5 h'r	4	w.	covered.
S. E. J. Spicer, N. 43° 38′, W. 33° 25′	30.35	770.9	55	12.8	93	nnw.	.....	.....	1	.....	5	.....	n.	0	0	mod.	nw.	fair.
Schr. Edith R. Seward, Newport News, Va	.....	.....	.....	.....	.....	ene.	.....	.....	2	.....	0	.....	ssw.	.....	.....	.....	.....	drizzling.
S. Ismir, N. 18° 59′, W. 61° 05	.....	.....	.....	.....	.....	nne.	.....	.....	3	.....	2	.....	nne.	0	0	mod.	e.	fine.
Bg. George, N. 30° 48′, W. 70° 05′ *†	30.10	764.5	.....	.....	.....	s.	.....	.....	4	.....	10	.....	sw.	0	0	mod	sw.	squally.
Bk. Gloire, N. 41° 56′, W. 43° 00′	30.12	765.0	56	13.3	75	nne.	.....	.....	2	.....	.....	.....	ne.	6 h'r	6 h'r	short	var.	rainy.
S. Grecian, N. 47° 10′, W. 11° 21′ †	30.08	764.0	52	11.1	66	nne.	.....	.....	0	.....	5	.....	nne.	0	0	mod.	ne.	fair.
Bk. Galeon, Barbadoes, W. I†	29.97	761.2	79	26.1	.....	e.	.....	.....	1	.....	10	.....	e.	0	0	.....	.....	
S. Hedwig, N. 37° 20′, E. 12° 12′	29.63	752.6	65.3	18.5	87	sw.	.....	.....	1	.....	6	.....	sw.	0	0	3	se.	fine.
Bk. Hattie G. McFarland, Pascagoula, Miss†	29.94	760.5	69	20 6	.....	w.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	clear.
S. Henry, N. 37° 07′, E. 12° 08′*	29.59	751.6	63.7	17.6	.....	n.	.....	.....	0–1	.....	10	.....	.....	.....	.....	2–3	var.	cloudy.
Bk. Horace Scudder, Guboon river, Guinea	.....	.....	84	28.9	.....	ssw.	.....	.....	1	.....	5	.....	sw.	0	0	.....	.....	fair.
Bk. Ibis, N. 38° 25′, W. 74° 00′	29.93	760.2	39	3.9	.....	nnw.	.....	.....	5	.....	10	.....	nw.	17 h'r	17 h'r	long	sse.	cloudy.
Schr. Jennie N. Huddell, Philadelphia, Pa †	29.84	757.9	52	11.1	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.02	762.5	.....	.....	.....	ese.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. John Welsh, jr, Ponce, Porto Rico, W.I†	30.07	763.8	.....	.....	.....	nne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, N. 24° 05′, W. 81° 15′ *†	29.95	760.7	.....	.....	.....	se.	.....	.....	1	.....	.....	.....	se.	0	0	mod.	se.	fine.
Schr. Jenny Greenbank, Baracoa, Cuba, W. I	.....	.....	77.5	25.3	.....	ne.	.....	.....	3	.....	5	.....	ene.	0	0	h'vy	ene.	fair.
Schr. Jenny R. Morse, Darien, Ga †	29.83	757.7	.....	.....	.....	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	
Light-house tender Laurel, Key West, Fla†	29.99	761.7	79	26.1	.....	sse	.....	.....	2	.....	3	.....	sse.	0	0	.....	.....	clear.
Bkt. Levanter, N. 2° 30′, W. 40° 05′	29.97	761.2	84	28.9	.....	ne.	.....	.....	4	.....	5	.....	ene.	1 h'r	1 h'r	mod.	ne.	fair.
Bkt. Levi S. Andrews, N. 41° 00′, W. 63° 40′ *†	30.09	764 3	44	6.7	.....	ne.	.....	.....	1	.....	2	.....	.....	0	0	h'vy	nnw.	clear.
S. S. Mendoza, N. 31° 00′, W. 68° 57′	.....	.....	.....	.....	.....	se.	.....	.....	1	.....	.....	.....	se.	0	0	sm'h	nnw.	clear.
Schr. Martinique, N. 21° 03′, W. 54° 22′	.....	.....	70f	21.1f	.....	ssw.	.....	.....	2	.....	.....	.....	.....	0	0	sm'h	.....	fine.
Schr. Norena, N. 22° 30′ W. 65° 25′ †	30.06	763.5	.....	.....	.....	nne.	.....	.....	1	.....	2	.....	ene.	0	0	light	nw.	
Bk. Rosalie, N. 19° 33′, W. 41° 52′ *†	30.10	764.5	.....	.....	.....	ssw.	.....	.....	3	.....	4	.....	ssw.	½ hr	½ hr	long	nw.	clear.
Bkt. Rosebud, N. 16° 38′, W. 20° 20′*	30.10	764.5	75	23.9	.....	nne.	.....	.....	5	.....	2	.....	ne.	0	0	sm'h	.....	fine.
S. Salisbury, N. 37° 03′, W. 9° 08′	29.91	759 7	56.7	13.7	80	nnw.	.....	.....	6	.....	6 kn	.....	nnw.	0	0	long	nnw.	fair.
Bk. Saga, N. 45° 13′, W. 25° 32′	30.32	770.0	58	14.4	.....	.....	.....	.....	4–6	.....	8	.....	.....	3 h'r	3 h'r	7	.....	fair.
Bk. Sunbeam, N. 35° 28′, W. 14° 24′†	30.01	763.0	61	16.1	88	e.	.....	.....	3	.....	9	.....	e.	3 h'r	3 h'r	mod.	nw.	cloudy.
S. Stephen D. Horton, N. 41° 05′, W. 71° 10′ †	30.06	763.5	.....	.....	.....	ese.	.....	.....	4	.....	8	.....	ssw.	0	0	sm'h	.....	cloudy.
Bg. Teneriffe, N. 29° 20′, W. 75° 50′	30.01	762.2	.....	.....	.....	s.	.....	.....	4	.....	1	.....	s.	0	0	.....	se.	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.07	763.8	77	25.0	.....	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Schr John Bracewell, Portsmouth, Va. †	30.08	764.0	42	5.6	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 28° 58′, E. 10° 35′	29.92	760.0	65	18.3	84	wsw.	5	2.2	.....	.....	5	.....	wsw.	0	0	long	s.	fair
H. M. S. Amethyst, Montevideo, Uruguay	30.02	762.5	56	13.3	87	nnw.	.....	.....	1	.....	9	s.	.....	.....	.....	.....	.....	misty.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.93	760.2	65	18.3	.....	w.	.....	.....	2	.....	2	wnw.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, S. 37° 48′, E. 3° 20′	29.60	753.4	60	15.6	77	wnw.	.....	.....	6	.....	6	.....	.....	.....	.....	6	w.	d, clouds.
Bk. Achille F., S. 30° 15′, W. 45° 15′ *†	30.10	764.5	70.5	21.4	87	sse.	.....	.....	4	.....	7	.....	se.	0	0	sm'h	.....	
Bk. Bore, S. 23° 15′, W. 40° 45′ *†	30.20	767.1	85	29.4	.....	nnw.	.....	.....	2	.....	9	.....	nw.	0	0	sm'h	e.	cloudy.
S. Frank N. Thayer, S. 38° 48′, W. 7° 49′*	29.96	761.0	59.5	15.3	97	wsw.	.....	.....	6	.....	10	.....	wsw.	0	0	long	wsw.	misty.
S. Gatherer, S. 43° 01′, W. 53° 00′†	29.86	758.4	53	11.7	93	wsw.	.....	.....	0	.....	5	.....	wsw.	½ h'r	½ h'r	r'gh	wsw.	fair.
S. Ringleader, S. 22° 33′, W. 33° 55′†	29.98	761.5	81	27.2	64	calm	.....	.....	0	.....	2	.....	s.	0	0	sm'h	.....	fine.
S. S. Archimedes, (Br.) S. 27° 29′, W. 44° 34′	30.04	763.0	.....	.....	.....	s.	.....	.....	1–2	.....	7	.....	nw.	10 mi	nutes	sm'h	.....	cloudy.
Bk. Xenia, S. 33° 12′, W. 23° 35′ *†	30.27	768.8	72	22.2	.....	n.	.....	.....	4	.....	3	.....	n.	0	0	sm'h	ne.	clear.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.86	758 5	76.1	24 5	86	wnw.	.....	.....	4	.....	3	.....	.....	1 h'r	1 h'r	2	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska †	29.87	758.7	41	5.0	74	ne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. Naval Hospital, Yokohama, Japan	30.24	768.1	58.5	14.7	88	e.	.....	.....	2	.....	2	.....	.....	0	0	.....	.....	clearing.
U. S. S. Alert, Shanghai, China	30.16	766.1	59	15.0	82	nnw.	.....	.....	2	.....	10	.....	nw.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 6° 05′, E. 169° 18′	29.96	761.0	81	27.2	87	e.	.....	.....	3	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Juniata, Fernande Island, Coren	30.12	765.0	48	8.9	85	sse.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	hazy.
U. S. S. Monocacy, Canton, China	29.98	761.5	76	24.4	82	s.	.....	.....	1	.....	10	.....	e.	0	0	.....	.....	cloudy.
U. S. S. Richmond, N. 6° 55′, E. 107° 40′	29.89	759.2	82	27.8	91	se.	.....	.....	3	.....	2	.....	se.	0	0	sm'h	.....	clear.
H. M. S. Audacious, Hong Kong, China	30.00	762.0	72	22.2	88	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.10	764.5	60.5	15.8	91	n.	.....	.....	3	.....	2	n.	.....	.....	.....	1	.....	blue sky.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 42′	30.08	764.0	60.2	15 7	91	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	2	.....	misty.
H. P. M. S. Tamega, Macao, China	30.05	763.2	70.2	21.2	84	se.	.....	.....	2	.....	3	.....	.....	0	0	.....	.....	blue sky.
U. S. S. Palos, Shanghai, China	30.14	765.5	50	13.3	100	n.	.....	.....	3	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
S. S. Newbern, N. 23° 24′, W. 107° 04′	.....	.....	66	18.9	84	sw.	.....	.....	1	.....	0	.....	.....	0	0	light	nnw.	clear.
S. S. Arabic, N. 29° 40′, W. 144° 26 *†	29.96	761.0	68	20.0	79	s.	.....	.....	2	.....	2	.....	s.	0	0	mod.	nw.	blue sky.
S. S. City of Chester, San Francisco, Cal †	29.84	757.9	56	13.3	87	se.	.....	.....	4	.....	10	.....	.....	hv'y	hv'y	.....	.....	
S. S. Columbia, N. 43° 08′, W. 124° 40′ *†	29.73	755.1	47.5	8.6	74	nnw.	.....	.....	2	.....	2	.....	calm	0	0	sm'h	nw.	clear.
S. S. Oregon, Portland, Oregon†	29.72	754.9	45	7.2	84	calm	.....	.....	0	.....	10	.....	se.	.....	.....	.....	.....	light rain.
S. S. Alameda, San Francisco, Cal. †	29.86	758.4	53	11.7	.....	s.	.....	.....	5	.....	10	.....	se.	18 h'r	18 h'r	.....	.....	fine.
S. S. Orizaba, San Francisco, Cal †	29.89	759.2	57	13.9	81	se.	.....	.....	4	.....	10	.....	se.	18 h'r	18 h'r	.....	.....	rainy.
S. S. City of Pekin, N. 45° 00′, E. 167° 30′ †	30.06	763.5	41	5.0	92	wsw.	.....	.....	3	.....	10	.....	s.	0	0	light	w.	foggy.
S. S. City of Rio de Janeiro, N. 30° 24′, E. 164° 06′ †	30.33	770.4	64	17.8	.....	e.	.....	.....	4	.....	5	.....	e.	.....	.....	sm'h	e.	fair.
S. S. City of Sydney, N. 23° 00′, W. 154° 41′ *†	29.96	761.0	70	21.1	85	sse.	.....	.....	2	.....	2 ks	.....	se.	.....	.....	mod.	nw.	clear.
S. S. City of Tokio, N. 37° 49′, W. 137° 42′†	29.97	761.2	57	13.9	81	w.	.....	.....	1	.....	10	.....	nw.	3 h'r	3 h'r	long	nw.	rain & fog.
S. S. Colima, Acajutla, San Salvador†	29.92	760.0	79	26.1	70	ene.	.....	.....	2	.....	3	.....	calm	0	0	mod.	se.	clear.
S. S. Granada, N. 26° 20′, W. 113° 46′ †	29.95	760.7	59	15.0	82	nw.	.....	.....	4	.....	0	.....	.....	0	0	.....	nw.	clear.
S. S. San Blas, Panama, Panama †	29.87	758 7	74	23.3	95	calm	.....	.....	0	.....	7	.....	s.	0	0	.....	.....	cloudy.
S. S. Zealandia, N. 35° 33′, W. 128° 29′	29.89	759.2	57	13.9	87	wnw.	.....	.....	5	.....	8	.....	w.	.....	.....	.....	.....	cloudy.
S. S. Benalder, Hong Kong, China	30.04	763.0	66	18.9	79	ene.	.....	.....	4	.....	5	.....	e.	0	0	.....	.....	fair.
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 14° 43′, W. 76° 17′	29.89	759.2	67	19.4	95	se.	.....	.....	3	.....	8	.....	se.	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.87	758.7	69	20.6	95	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao, Peru *†	30.00	762.0	69	20.6	100	s.	.....	.....	2	.....	10	.....	se.	.....	.....	.....	.....	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.97	761.2	56	13.3	70	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	hazy.
U. S. S. Shenandoah, S. 52° 40′, W. 70° 10′*	29.58	751.3	44	6.7	84	sw.	.....	.....	6	.....	2	.....	sw.	.....	.....	mod.	sw.	fair.
U. S. S. Wachusetts, Valparaiso, Chili	29.90	761.0	55	12.8	100	calm	.....	.....	0	.....	0	.....	.....	.....	.....	sm'h	.....	clear.
H. M. S. Nelson, Sydney, N.S.W	30.08	764.0	67	19.4	95	s.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Sappho, Valparaiso, Chili	30.00	762.0	54	12.2	.....	var.	.....	.....	1	.....	3	se.	.....	.....	.....	.....	.....	misty.
H. M. S. Kingfisher, S. 29° 50′, W. 71° 20′	29.89	759.2	58	14.4	.....	calm	.....	.....	0	.....	4	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, Sydney, N.S.W *	30.03	762.7	69	20.6	75	.....	.....	.....	3	.....	0	.....	e.	1 h'r	1 h'r	.....	.....	thund'r st'm.
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 5° 44′, E. 89° 58′	29.91	759.7	83	28.3	87	ene.	.....	.....	2	.....	5	.....	e.	.....	.....	sm'h	.....	fair.
H. M. S. Euryalus, Massuah, Abyssinia	29.68	753.9	80	30.0	80	e.	.....	.....	3	.....	2	calm	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S. 7° 15′, E. 72° 24′	29.90	759.4	86.1	30.1	70	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Myrmidon, Suakin, Egypt	29.83	757.7	85	29.4	81	nne.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Bracadale, N. 11° 58′, E. 49° 50′*	29.08	753.9	88	31.1	.....	ene.	.....	.....	5	.....	0	.....	.....	0	0	mod.	ene.	clear.
Bk. Childwall, off Kingston, N.S.W*	30.09	764.3	61	16.1	77	w.	.....	.....	0	.....	4	.....	w.	0	0	.....	.....	fine.
S. J. W. Gildemeister, S. 21° 02′, E 71° 40′	29.90	761.0	81.5	27.5	75	se.	.....	.....	1–2	.....	9 km	.....	nw.	0	0	3	ese.	overcast.
Bk. Nouva Margherita, S. 15° 26′, E. 94° 16′ *†	29.82	757.4	.....	.....	.....	e.	.....	.....	4	.....	.....	.....	s.	0	0	.....	s.	fair.
S. S. Lepanto, N. 16° 46′, E. 57° 55′	29.80	756.9	82	27.8	.....	e.	.....	.....	2	.....	3	.....	ne.	0	0	sm'h	.....	clear.

International Chart I. April 15, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 16, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Remours	.....	.....	29.82	757.5	59.4	15.2	70	se.	.....	.....	1	.....	7	.....	.....	0	0	very cloudy	Koziere.
Algiers	.....	.....	29.73	755.2	63.3	17.4	59	wsw.	.....	.....	6	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.66	753.3	70.5	21.4	46	n.	.....	.....	1	.....	2	.....	.....	0	0	fair	Fonfrède.
Tunis	.....	.....	29.63	752.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.88	758.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.85	758.2	63.7	17.6	.....	nw.	.....	.....	1	.....	1	.....	.....	0	0	very fair	Abraham.
Biskra	.....	.....	29.80	756.8	74.5	23.6	51	e.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.32	770.1	59.6	15.3	60	s.	7	3.1	.....	.....	9 k	.....	.....	0	0	cloudy	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.57	751.1	29.76	755 9	54	12.2	87	w.	15	6.7	.....	.....	3	.....	sw.	0.03	0.8	clear	Com. J. Short, R.N.
Melbourne, Victoria	30.05	763.3	30.14	765.5	58.7	14.8	64	nw.	6	2.7	.....	.....	9	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.12	739.6	29.65	753.2	63.0	17.2	48	e.	.....	.....	3	.....	5	.....	.....	0.177	4.5	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.81	731.7	29.58	751.2	46.8	8.2	78	n.	0	0	.....	.....	10	.....	.....	0.118	3.0	.....	Dr. Wierzbiski
Eperies	28.72	729.5	29.60	751.7	50.4	10.2	71	calm	.....	.....	0	.....	10	.....	.....	0.016	0.4	.....	Julius Mikolik.
Gratz	28.45	722.7	29.71	754.6	48.6	9.2	82	se.	.....	.....	2	.....	10	.....	.....	0.047	1.2	.....	Andreas Rospini.
Hermannstadt	28.15	715.1	29.53	750.1	61.9	16.6	56	wnw.	.....	.....	4	.....	4	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.32	719 4	29.67	753.5	47.3	8.5	91	nne.	.....	.....	2	.....	10	.....	.....	0.020	0.5	cloudy	The Staff.
Lemberg	28.58	725.8	29.56	750.7	47.7	8.7	91	ne.	.....	.....	2	.....	10	.....	.....	0.008	0.2	.....	Dr. T. Stanecki.
Pola	29.53	750.0	29.64	752.8	64.0	17.8	76	sse.	.....	.....	2	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.06	738.2	29.52	749.7	61.5	16.4	57	nw.	.....	.....	4	.....	4	.....	.....	0.669	17.0	.....	Joseph Midlinsky, S. J
Szegedin	29.31	744.5	29.59	751.5	61.2	16.2	64	sw.	.....	.....	1	.....	7	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.57	751.0	29.67	753.5	60.4	15.8	77	nw.	.....	.....	1	.....	7	.....	.....	0	0	.....	Royal Academy.
Vienna	28.97	735.8	29.68	753.9	50.5	10.3	64	nw.	.....	.....	2	.....	9	.....	.....	0.016	0.4	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	48.9	9.4	63	n.	.....	.....	1	.....	3	.....	.....	0	0	.....	
Brussels	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.004	0.1	.....	
Furnes	29.78	756.3	29.80	756.8	.....	.....	.....	ene.	.....	.....	2	.....	8	.....	.....	0.031	0.8	.....	
Maeseyck	29.67	753.5	29.79	756.7	50.3	10.3	68	n.	.....	.....	2	.....	9	.....	.....	0.016	0.4	.....	
BRITISH.																			
Aberdeen	29.88	758.9	29.98	761 5	43.0	6.1	67	ne.	12	5.4	.....	.....	7	.....	.....	0.125	3.2	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.89	759.2	45.6	7.6	54	ne.	12	5.4	.....	.....	10	.....	.....	.....	.....	overcast	John Hartnup.
Bolton, Sharples	29.34	745.2	29.88	758.9	44.0	6.7	54	ene.	6	2.7	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.48	748.8	29.87	758.7	43.9	6.6	72	n	.....	.....	2	.....	8	.....	.....	0.02	0.5	overcast	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.95	760.7	29.98	761.5	81.0	27.2	68	e.	.....	.....	4	.....	4†	.....	.....	.....	.....	overcast	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	45.0	7.2	78	ne.	.....	.....	0.6	.....	10	.....	.....	.....	.....	misty	John McLaren.
Chatham, School M. E.	29.66	753.4	29.84	757.9	44.3	6.8	78	ne.	.....	.....	1	.....	9	.....	.....	blank	blank	overcast	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.61	752.1	29.84	757.9	50.0	10.0	63	ese.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.50	698 5	29.81	757.2	80.8	27.1	74	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.84	757.9	29.88	758.9	46	7.8	92	n	.....	.....	2	.....	7	.....	.....	0	0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.67	753.6	29.77	756.1	57.3	14.1	95	nw.	.....	.....	4	.....	8	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.67	753.6	29.84	757.9	47.0	8.3	70	nne.	.....	.....	1	.....	9	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.48	748.8	29.79	756.7	40.0	7.8	84	ne.	.....	.....	3	.....	9	.....	.....	0.02	0.5	d. clouds	A. Collenette, F.R.M.S.
Kew, Observatory	29.82	757.4	29.85	758.2	45.1	7.3	57	nne.	9	4.0	.....	.....	10	.....	.....	.....	.....	overcast	The Staff.
Leicester, Museum	29.59	751.6	29.85	758.2	45.1	7 3	61	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.67	753 6	29.74	755.4	63.6	17.0	73	nw.	.....	.....	3	.....	8	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.02	762.5	30.06	763.5	79.0	26.1	68	s.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.63	752.6	29.86	758.4	45.0	7.2	92	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.75	755.6	29.82	757.4	50.2	10.1	51	ne.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.95	760.7	30.05	763.3	41	5.0	84	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	showery	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.66	753.9	29.74	755.4	65.8	18.8	66	s.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	W. H. Lyne.
Sheffield	29.66	751.8	29.89	759 2	45.4	7.4	76	n.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	29.88	758.9	29.91	759.7	46.5	8.1	77	ne.	.....	.....	1	.....	2	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.90	759.4	45.0	7.2	68	ne.	5	2.2	.....	.....	10	.....	.....	0	0	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	40.0	7.8	75	e.	.....	.....	1.0	.....	8	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.86	758.4	29.88	758.9	48.6	9.2	73	nw.	5	2.2	.....	.....	10	.....	.....	.....	.....	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.44	747.8	29.83	757.7	63.7	17.6	65	w.	7.5	3.4	.....	9 ck	0	W.	.....	0	0	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.91	759.7	30.03	762.7	67.7	19.8	82	e.	13	5.8	.....	2 ck	.....	WSW.	.....	0	0	blue sky	The Staff.
CANADIAN.																			
Bathurst, N. B	30.04	763.0	30.08	764.0	36 0	2.2	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.16	766.1	30.20	767.1	35	1.7	69	se.	10	4.5	.....	.....	10 s	.....	sw.	0	0	cloudy	H. J. Cundall, C. E
Chatham, N. B*	30.07	763.8	30.13	765.3	35	1.7	75	e.	2	0.9	.....	.....	10 s	.....	e.	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.33	745.0	29.52	749.8	41.2	5.1	95	e.	.....	.....	1	.....	10 s	.....	.....	0.396	10.1	overcast	Jas. Smith, M. A.
Dalhousie, N. B	30.04	763.0	30.09	764.3	30.0	— 1.1	.....	se.	.....	.....	2	.....	10 n	.....	.....	0.050	1.3	snowing	H. A. Johnson.
Father Point, Quebec*	29.85	758.2	29.87	758.7	35	1.7	92	ne.	20	8.9	.....	.....	10 n	.....	.....	0.09	2.3	light rain	J. McWilliams
Fort Garry, Manitoba*	29.13	739.9	30.02	762.5	21	— 6.1	87	n.	3	1.3	.....	.....	0	n	ne.	0	0	cloudy	James Stewart.
Fredericton, N. B	29.94	760.5	30.01	762.2	35.2	1.8	90	e.	13	5.8	.....	.....	10 n	.....	.....	0.330	8.4	raining	Dr. Thos. Harrison
Grand Manan, N. B	29.85	758.2	29.90	759.4	41	5.0	86	s.	21	9.4	.....	.....	10 n	.....	.....	0.47	11.9	light rain	J. Chipman Seeley
Granton, Ontario	28 32	719.3	29.41	747.0	44.0	6.7	100	s.	5	2.2	.....	.....	10 n	.....	.....	Inap.	Inap.	raining	Jas. Grant.
Halifax, N. S*	30.07	763.8	30.20	767.1	38	3.3	73	e.	13	5.8	.....	6 k	0	s.	.....	0	0	fair	A. Allison.
Hamilton, Ontario	29.02	737.1	29.42	747.3	38.0	3.3	86	ne.	.....	.....	1	10 ck	0	ne.	.....	0.76	19.3	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.16	740.7	29.50	749.3	43	0.1	96	s.	1	0.4	.....	.....	10 k	.....	.....	0.55	14.0	cloudy	A. P. Knight, M. A
Little Glace Bay, N. S	30.22	767.6	30.26	768.6	37.0	2.8	76	se.	.....	.....	2	2 c	0	.....	.....	0	0	blue sky	C. H. Rigby.
London, Ontario	28.54	724 9	29.43	747.5	44.2	6.8	92	s.	.....	.....	2	.....	10 n	.....	.....	0.14	3.6	overcast	E. S. Reed.
Medicine Hat, N. W. T	27.24	691.9	29.51	749.5	41	5.0	96	ne.	3	1.3	.....	.....	10 n	.....	.....	0.02	0.5	d. clouds	John Ewart.
Minnedosa, N. W. T	27.96	710 2	30.01	762.2	18	— 7.8	83	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.36	745.7	29.57	751.1	37	2.8	100	ne.	1	0.4	.....	.....	10 n	.....	.....	0.88	22.4	light rain	C. H. McLeod, C. E.
Ottawa, Ontario	29.31	744.5	29.53	750.0	40.1	4.5	95	ene.	.....	.....	.....	.....	10 s	.....	.....	0.06	1.5	overcast	A. McCill, M. A.
Parry Sound, Ontario*	28.70	729.0	29.38	740.2	45	7.2	100	e.	8	3.6	.....	.....	10 n	.....	sw.	0.27	6.9	cloudy	Rev. R. Mosley.
Peterboro, Ontario	28.73	729.7	29.46	748.3	44.7	7.1	91	nw.	.....	.....	1	.....	10 k	.....	.....	0.24	6.1	overcast	Wm. O'Connor, M.A.
Port Arthur	29.19	741.4	29.93	760.2	24	— 4.4	73	n.	4	1.8	.....	7c;ck	0	W.	.....	0	0	fair	W. P. Cooke.
Port Dover, Ontario	28.77	730.7	29 46	748.3	41	5.0	100	s.	5	2.2	.....	.....	10 n	.....	.....	0.29	7.4	threatening	H. Morgan.
Port Stanley, Ontario	28.79	731 3	29.43	747.5	41	5.0	92	sw.	12	5.4	.....	.....	10 n	.....	sw.	0.17	4.3	light rain	M. Payne.
Qu Appelle, N. W. T	27.47	697.7	29.77	756.1	33	0.6	.....	se.	10	4.5	.....	10 cs	0	.....	calm	0	0	cloudy	Leslie Gordon.
Quebec, Quebec*	29.32	744.7	29.08	753.9	37	2.8	96	ne.	24	10.7	.....	.....	10 n	.....	ne.	0.26	6.6	light rain	Capt. A. he, R. N.
Rockliffe, Ontario*	29.03	737.3	29.51	749.5	41	5.0	92	e.	20	8.9	.....	.....	10 s	.....	se.	0.46	11.7	light rain	W. H. McIntyre.
St. Andrews, N. B	29.84	757.9	29.89	759.2	38	3.3	97	se.	14	6.3	.....	.....	10 n	.....	.....	0.32	8.1	raining	
St. John, N. B	29.85	758.2	30.00	762.0	31.8	— 0.1	90	e.	24	10.7	.....	.....	10 n	.....	.....	1.133	28.8	.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.35	771 0	35.6	2.0	.....	nw.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	28 66	728.0	29.37	746 0	42	5.6	96	sw.	2	0.9	.....	.....	10 s	.....	.....	0.83	21.1	light rain	
Stratford, Ontario	28.15	715.0	29.43	747.5	43.4	6.3	95	s.	5.0	2.2	.....	.....	10 n	.....	.....	0.320	8.1	raining	W. McBride, A. M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B	30.29	769.4	30.35	770.9	35	1.7	69	sw.	8	3.6	.....	hz	5	.....	.....	0	0	hazy	**T.C.Hill, C.E.**
Toronto, Ontario*	29.09	738.9	29.47	748.5	43	6.1	92	s.	6	2.7	.....	.....	10 ks	.....	w.	0.55	14.0	cloudy	**Magnetic Observatory.**
Woodstock, Ontario	28 38	720.8	29.44	747.8	44.5	6.9	92	s.	21.0	9.4	.....	.....	10 s	.....	.....	0.100	2.5	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.89	759.2	29.96	761.0	45	7.2	83	e.	21	9.4	.....	.....	10 s	.....	e.	0.10	2.5	light rain	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.57	751.1	29.60	751.8	67.5	19.7	97	sw.	.....	.....	.....	0	0	.....	.....	0	0	fine	**I. Garfelt.**
Cape Town, The Castle	29.66	753.4	.....	.....	60.0	15.6	58	nw.	.....	.....	.....	.....	10 n	.....	.....	0.645	16.4	.....	**Capt.R.Gardner Warton**
Springbok Fontein	27.86	707.6	.....	.....	54	12.2	87	.....	.....	.....	.....	.....	.....	.....	.....	0.17	4.3	.....	**J. T. Eustace**
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	55.6	13.1	93	s.	.....	.....	2	.....	7 c	.....	s.	0	0	fair	**Leon Herrera.**
Valparaiso	29.60	751.7	29.74	755.3	57.2	14.0	89	s.	.....	.....	1	0	8	.....	.....	0	0	clear	**Paez-I-Ampuero.**
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.11	764.7	30.13	765.3	55.4	13.0	94	n.	4.5	2.0	.....	.....	10	.....	.....	0.020	0.5	covered	**M.Marc Dechevrens,S. J**
DANISH.																			
Copenhagen	29.77	756.2	29.82	757.4	32.4	0.2	92	ne.	31	14	.....	.....	10	.....	.....	.....	.....	snowing	**Oversergent Fischer.**
Fanöe	29.85	758.1	29.87	758.6	36.1	2.3	75	ne.	.....	.....	6	.....	10	.....	.....	.....	.....	.....	**Overloerer Laurid sen.**
Godthaab, Greenland	30.19	766.8	30.23	767.9	34.0	1.1	96	s.	.....	.....	4	.....	10	.....	.....	.....	.....	raining	**S. Kleinschmidt.**
Ivigtut, Greenland	30.26	768.7	30.28	769.2	41.2	5.1	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....
Styrkisholm, Iceland	30.31	769.8	30.35	770.9	43.5	6.4	84	se.	.....	.....	2	.....	8	.....	.....	.....	.....	.....	**A. O. Thoriacius.**
Thorshavn	30.22	767.6	30.24	768.2	41.0	5.0	68	ne.	22	10.	.....	.....	10	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	30.03	762.7	30.08	763.9	33.6	0.9	.....	ssw.	.....	.....	7	.....	10	.....	.....	.....	.....	snowing	.....
Vestervig	29.85	758.3	29.95	760.6	35.1	1.7	82	ne.	.....	.....	7	.....	3	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
EGYPTIAN.																			
Cairo	29.75	755.6	.....	.....	91.4	33.	.....	sw.	4.3	1.9	.....	0	0	.....	.....	0	0	.....	**Albert Ismalun, Dir.**
FRENCH.																			
Agen, Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. Labroue, Director.
Alençon, Normal School	29.27	743.4	29.82	757 4	49.6	9.8	86	ne.	.....	.....	1	.....	8 kn	.....	sw.	0	0	very cloudy	M. Nicot, Director.
Arras, Normal School	29.57	751.0	29.81	757.2	48.9	9.4	61	ne.	.....	.....	2	.....	2	.....	s.	0	0	slightly cl'dy	**M.Ungerer, Director.**
Avignon, Normal School	29.54	750.4	29.62	752.4	61.5	16.4	59	nnw.	.....	.....	1	.....	5	.....	.....	0	0	½ covered	M. Giraud, Director.
Bar-sur-Seine	29.15	740.4	29.71	754.5	51.8	11.0	56	e.	.....	.....	1	.....	10	.....	e.	0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.52	749.8	29.79	756.6	49.3	9.6	54	e.	.....	.....	2	.....	8	.....	ne.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.73	729.8	29.58	751.3	52.2	11.2	73	n.	.....	.....	4	.....	n	.....	.....	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.39	746.6	29.66	753.3	47.1	8.4	87	nne.	.....	.....	1	.....	10	.....	.....	0.130	3.3	covered	M. Rayet, Director.
Bourges, Normal School	29.12	739.7	29.68	753.8	56.8	13.8	55	ne.	.....	.....	4	.....	5	.....	ne.	0	0	cloudy	M. **Sauvageot, Director.**
Brest, Naval Observatory	29.61	752.2	29.86	758.4	49.3	9.6	73	ne.	.....	.....	2	.....	10	.....	ne.	0.012	0.3	.....	M. de Kermarec, Dir.
Caen, Normal School	29.65	753.0	29.72	754.9	51.1	10.6	82	ne.	.....	.....	1	.....	8	.....	ne.	0	0	very cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.41	747.1	29.73	755.2	50.7	10.4	66	ne.	.....	.....	2	.....	5	.....	.....	0	0	cloudy	M. Jadot, Director.
Charleville, Normal School	29.24	742 8	29.76	756.0	47.5	8.6	51	ne.	.....	.....	4	.....	10	.....	.....	0	0	covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.31	719.0	29.66	753.4	50.0	10.0	52	nne.	.....	.....	2	.....	10	.....	.....	0	0	.....	M. Alluard, Director.
Cluny, Normal School	28.83	732.2	29.68	753.8	53.2	11.8	60	ne.	.....	.....	1	.....	10	.....	ne.	0	0	.....	M. de Villemonté, Dir.
Commercy, Normal School	28.91	734.3	29.72	754.8	54.5	12.5	40	n.	.....	.....	1	.....	ckn	n.	n.	0	0	.....	Dr. Coulet, Director.
Gap, Normal School	27.10	688.4	29.60	751.8	52.5	11.4	67	calm	.....	.....	0	.....	9	.....	.....	0.547	13.9	.....	M. Jarach, Director.
Gréasque, du Rhone	28.49	723 7	29.60	751.7	60.3	15.7	53	s.	.....	.....	2	.....	9	.....	s.	0	0	.....	M. Kina, Director.
Grenoble. Normal School	28.87	733.4	29.63	752.7	54.0	12.2	72	nw.	.....	.....	1	.....	kn	.....	.....	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28 07	713.0	29.65	753.1	49.1	9.5	58	ne.	.....	.....	1	.....	n	.....	w.	0	0	.....	M. Delorme, Dir.
Lamballe Normal School	29.50	749.2	29.77	756.2	50.4	10.2	68	ne.	.....	.....	2	.....	5 n	.....	ne.	0	0	cloudy	**M. Polipre, Dir.**
Lescar, Normal School	29.08	738.6	29.64	752.8	54.6	12.4	68	w.	.....	.....	1	.....	10 kn	.....	.....	0.209	5.3	covered	M. Chauvin, Director.
Lorient, Naval Observatory	29.70	754.4	29.80	757.0	51.8	11.0	86	ne.	.....	.....	2	.....	10	.....	ne.	0	0	covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28.61	726 7	29.66	753.4	49.3	9.6	65	n.	.....	.....	1	.....	10 n	.....	.....	0.012	0.3	covered	M. André, Director.
Mans, Normal School	29.50	749.3	29.81	757.2	50.0	10	62	e.	.....	.....	1	.....	5 k	.....	e.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.34	745.1	29.60	751.9	61.3	16.3	68	wsw.	.....	.....	2	.....	10	.....	sw.	0.059	1.5	.....	M. Stephan, Director.
Montlouis	24.40	619.7	29.24	742.7	34.3	1.3	95	e.	5.6	2.5	.....	.....	10	e	.....	0.260	6.6	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.49	749.0	29.60	751.8	58.3	14.6	95	w.	.....	.....	1	.....	10	w.	.....	0	0	covered	M. Galzin, Director.
Nancy, Normal School	28 92	734.5	29.70	754.4	52.5	11.4	65	.....	.....	.....	1	.....	10	.....	.....	.....	.....	snowy	**M. Hasse, Director.**
Nantes, Observatory	29.61	752 2	29.78	756.3	54.5	12.5	51	ne.	.....	.....	1-2	.....	10 nkn	.....	ne.	0	0	.....	M. Lauroque, Director.
Perpignan, Observatory	29.56	750.8	29 67	753.7	47.8	8.8	89	nw.	3.8	1.7	.....	.....	10	.....	sw.	0.280	7.1	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20.76	527.4	.....	.....	29.5	— 1.4	.....	sw.	.....	.....	1	.....	5	.....	sw.	0.280	7.1	cloudy	**M. Vaussenat, Director.**
Privas, Normal School	28.60	726 3	29.65	753.2	53.2	11.8	69	n.	.....	.....	1	.....	10	.....	.....	0	0	covered	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.77	629.1	.....	.....	31.6	— 0.2	100	ene.	.....	.....	2	.....	10	.....	.....	0.008	0.2	foggy	M. Alluard.
Rochefort, Naval Obs'y	29.67	753.6	29.70	754 4	58.5	14.7	58	ne.	.....	.....	2	.....	10	.....	ne.	0	0	covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.54	750.2	29.75	755.7	59.9	15.5	65	ne.	.....	.....	2	.....	.....	.....	ne.	0	0	.....	M. Brothier, Director.
Rodez, Normal School	27.50	698.5	29.67	753.6	49.5	9.7	66	e.	.....	.....	1	.....	10	.....	se.	0.142	3.6	covered	M. Seger, Director.
Rouen, Normal School	29.75	755.6	29.80	756.8	49.3	9.6	70	ene.	.....	.....	4	.....	8	.....	ne.	0	0	very cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.59	751 6	29.76	755.8	52.3	11.3	46	n.	.....	.....	1	.....	8	.....	ne.	0	0	covered	M. Renou, Director.
Toulouse, Observatory	28.97	735.7	29.69	754.0	54.1	12.3	77	e.	.....	.....	1	.....	10	w.	.....	0.071	1.8	covered	M. Baillaud, Director.
Tours	29.54	750 2	29.72	754.8	57.2	14.0	48	nne.	.....	.....	1	.....	8	ne.	ne.	0	0	very cloudy	M. de Tastes.
Versailles, Observatory	29.27	743.4	29.76	755.9	50.4	10.2	52	ne.	.....	.....	2	.....	8	.....	.....	0	0	very cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.53	750.0	29.68	753.8	49.6	9.8	95	sw.	7.8	3.5	.....	.....	10 k	.....	.....	0.138	3.5	.....	M. Carlier, Director.
GERMAN.																			
Ansbach	28.27	718.0	29.71	754.7	50.7	10.4	40	ne.	.....	.....	2	.....	8	ne.	.....	0.118	3.0	.....	Prof. Jnedt.
Bamberg	28 88	733.5	29.71	754.7	50.0	10.0	55	ne.	.....	.....	1	.....	8 ks	.....	.....	0	0	.....	Prof. Dr. Hoh.
Berlin	29.51	749.5	29.65	753.2	47.5	8.6	48	w.	.....	.....	1	.....	9	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.16	740.7	29.69	754.0	49.5	9.7	51	wnw.	.....	.....	2	.....	10	.....	.....	0.008	0.2	.....	**Royal University Obs'y**
Carlsruhe	29.27	743.4	29.72	754.9	53.6	12.0	48	ne.	.....	.....	1	.....	10	ne.	.....	0	0	.....	Albert Senz.
Cassel	29.04	737.5	29.75	755.6	46.8	8.2	48	nw.	.....	.....	4	.....	7	n.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.35	745.6	29.72	754.9	52.3	11.3	52	n.	.....	.....	1	.....	9	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.27	718.0	29.68	753.9	48.2	9.0	81	ne.	.....	.....	4	.....	10	e.	.....	0.059	1.5	light rain	**Wilhelm, Chief Tel.**
Hamburg	29.64	752.8	29.73	755.1	45.7	7.6	73	ne.	.....	.....	5	.....	7	.....	.....	0.035	0.9	.....	E. Preller.
Kiel	29.73	755.2	29.75	755.6	41.7	5.4	72	ne.	.....	.....	4	.....	10	.....	.....	0.024	0.6	.....	Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.30	744.3	29.72	755.0	46.8	8.2	69	nw.	.....	.....	1	.....	8	w.	.....	0.008	0.2	.....	H. Leppig, Asst.
Magdeburg	29.51	749.6	29.70	754.4	49.6	9.8	58	wnw.	.....	.....	4	.....	10	wnw.	.....	.....	.....	raining	**Weather Observatory.**
Memel	29.65	753.2	29.70	754.4	43.7	6.5	65	nnw.	.....	.....	2	.....	10 8	.....	.....	.....	.....	.....	**Issermann.**
Munich	27.88	708.1	29.72	754.9	46.2	7.9	72	n.	.....	.....	2	.....	10	nw.	.....	0.079	2.0	.....	**Central Station.**
Neufahrwasser	29.61	752 2	29.64	752.9	51.8	11.0	61	sw.	.....	.....	2	.....	10	.....	.....	0.157	4.0	.....	A. Lothes.
Neustadt, Palatinate	29.18	741.2	29.70	754.4	52.0	11.1	52	nne.	.....	.....	1	.....	10	n.	.....	0	0	foggy	**Prof. Dicknether.**
Stuttgart	28.76	730.6	29.65	753.2	50.9	10.5	57	n.	.....	.....	1	.....	9	w.	.....	0	0	.....	**Dr. L.Meyer.**
Wustrow	29.61	752.0	29.63	752.6	44.4	6.9	86	ne.	.....	.....	2	.....	10 8	.....	.....	0	0	.....	**Profs. Brandes & Reimer**
GREEK.																			
Athens	29.39	746.5	29.77	756.2	67.3	19.6	.....	sw.	.....	.....	0.5	9	.....	.....	.....	0.665	16.9	.....	**Kokkides & Wourlisch.**
INDIAN.																			
Kurrachee	29.67	753.6	29.72	754.9	81.6	27.6	80	w.	35.0	15.6	.....	.....	2	.....	.....	0	0	misty	
Deesa	29.24	742.6	29.69	754.1	99.0	37.2	13	sw.	11.0	4.9	.....	.....	2	w.	.....	0	0	d. clouds	
Bombay	29.79	756.7	29.83	757.7	84.1	28.9	64	w.	11.0	4.9	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	27.96	710 1	29.76	756.0	91.5	33.1	5	nw.	23.0	10.3	.....	.....	1	.....	.....	0	0	d. clouds	
Trichinopoly	29.53	750.0	29.80	756.8	101.2	38.4	27	ne.	0.2	0.1	.....	.....	0	.....	.....	0	0	blue sky	
Bellary	28.28	718 2	29.69	754.1	99.0	37.2	20	w.	6.0	2.7	.....	.....	4	.....	.....	0	0	d. clouds	
Belgaum	27.29	693.2	29.79	756.7	82.6	28.1	52	wsw.	10.0	4.5	.....	.....	3	e.	s.	0	0	d. clouds	
Lahore	28 94	735 1	29.67	753.6	89.1	31.7	13	w.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Roorkee	28.78	731.0	29.66	753.2	89.7	32.1	8	calm	7.0	3.1	.....	.....	5	w.	.....	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p.sec.	Wind. Force. 0-1-0	Clouds. Amount and kind. Upper. 0-10	Clouds. Amount and kind. Lower. 0-10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather	Observers.
INDIAN.—Continued.																			
Agra	29.14	740.2	29.69	754.0	97.1	36.2	8	w.	2.0	0.9	.....	.....	6	.....	w.	0	0	d. clouds...	
Nagpur	28.65	727.8	29.66	753.2	99.2	37.3	12	w.	5.0	2.2	.....	.....	6	.....	w.	0	0	d. clouds....	
Jubbulpore	28.38	720.9	29.70	754.3	93.3	34.1	12	n.	2.0	0.9	.....	.....	5	ne.	.....	0	0	d. clouds....	
Lucknow	29.34	745.2	29.71	754.5	92.1	33.4	19	wnw	3.0	1.3	.....	.....	7	e.	.....	0	0	d. clouds....	
Allahabad	29.40	746.8	29.71	754.5	95.0	35.0	8	nw	.....	.....	.....	.....	5	.....	.....	0	0	d. clouds....	
Patna	29.53	749.9	29.70	754.5	94.7	34.8	11	wnw.	6.3	2.8	.....	.....	6	wnw.	nw.	0	0	d. clouds....	
Hazaribagh	27.76	705.0	29.73	755.1	86.4	30.2	9	nw.	6.0	2.7	.....	.....	10	nw.	.....	0	0	overcast.....	
Cuttack	29.67	753.6	29.75	755.7	78.5	25.8	75	sw.	7.0	3.1	.....	.....	10	.....	.....	1.15	29.2	raining.....	
Calcutta, Alipore	29.70	754.4	29.72	755.0	90.5	32.5	31	s.	4.5	2.0	.....	.....	0	.....	.....	0	0	blue sky.....	
Chittagong	29.72	754.9	29.81	757.2	82.7	28.2	84	s.	7.3	3.3	.....	.....	6	.....	.....	0	0	d. clouds....	
Sibsagar	29.42	747.4	29.76	755.9	80.5	26.9	64	ne.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky.....	
Jeypore	28.27	718.1	29.67	753.6	95.2	35.1	15	nw.	12.8	5.6	.....	.....	0	.....	.....	0	0	blue sky.....	
Zanzibar	29.86	758.4	.....	.....	86.0	30.0	64	sw.	3.8	1.7	.....	.....	6	nw.	ese.	.....	.....	d. clouds....	
ITALIAN.																			
Udine	29.25	742.9	29.65	753.2	59.5	15.3	71	ne.	0.7	0.3	.....	.....	10	.....	.....	0.272	6.9	.....	Prof. Giovanni Olodig.
Milan	29.10	739.0	29.61	752.0	65.8	18.8	51	ese.	4.9	2.2	.....	.....	8	sw.	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	29.51	749.6	29.62	752.3	60.8	16.0	76	ese.	9.4	4.2	.....	.....	10	w.	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.69	728.6	29.58	751.3	60.6	15.9	62	nnw.	2.5	1.1	.....	.....	9	nne.	.....	0.488	12.4	.....	Prof. F. F. Denza.
Genoa	29.43	747.6	29.63	752.5	59.9	15.5	77	se.	6.9	3.1	.....	.....	4	se.	.....	0.106	2.7	.....	Prof. G. M. Garibaldi.
Pesaro	29.60	751.7	29.64	752.9	57.9	14.4	84	e.	6.9	3.1	.....	.....	9	w.	.....	0.098	2.5	.....	Prof. Luigi Guidi.
Florence	29.37	746.1	29.63	752.5	62.2	16.8	72	wsw.	.....	.....	2	.....	10	sw.	.....	0.248	6.3	.....	Prof. Costantino Pittei.
Leghorn	29.50	749.3	29.58	751.4	61.2	16.2	76	nne.	2.5	1.1	.....	.....	10	sw.	.....	0.079	2.0	.....	Prof. P. Monte.
Rome	29.46	748.3	29.63	752.7	61.0	16.1	78	ne.	1.3	0.6	.....	.....	10	sw.	.....	0.122	3.1	.....	Prof. P. Tacchini.
Lecce	29.40	746.8	29.65	753.1	67.6	19.8	55	sw.	18.6	8.3	.....	.....	5	sw.	.....	0.004	0.1	.....	Prof. C. de Giorgi.
Cosenza	28.82	732.0	29.70	754.4	64.0	17.8	78	se.	1.8	0.8	.....	.....	9	e.	.....	0.024	0.6	.....	Prof. D. Conti.
Palermo	29.49	749.1	29.74	755.4	65.5	18.6	62	wsw.	8.1	3.6	.....	.....	10	wsw.	.....	0.094	2.4	.....	Prof. G. Caccintore
Syracuse	29 62	752 4	29.67	753.5	73.4	23.0	71	sw.	21.7	9.7	.....	.....	9	w.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.19	741.3	.....	.....	58.1	14.5	92	sse.	10.5	4.7	.....	.....	10	.....	.....	0.102	2.6	.....	Prof. F. Brioschi.
Stelvio	21.82	554.1	.....	.....	35.2	1.8	82	sw.	.....	.....	2	.....	10	.....	.....	0	0	covered.....	Prof. P. F. Denza.
Valdobbia	21.83	554.5	.....	.....	39.7	4.3	65	sw.	.....	.....	2	.....	10	.....	.....	0	0	covered.....	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.98	761.6	30.01	762.2	49 3	9.6	90	calm	.....	.....	0	8c;cs	2 k	.....	.....	0	0	cloudy	H. Hattori.
Awomori	29.97	761.2	30.00	762.0	44.8	7.1	87	nw.	2.5	1.1	.....	1 cs	0	.....	.....	0	0	clear.....	K. Ogawa.
Hakodate	30.05	763.2	30.06	763.5	39.5	4.2	89	w.	2.4	1.1	.....	0	1 s	.....	.....	0	0	clear.....	Y. Souma.
Hamamatsu	29.96	761 0	30.06	763.5	57.0	13.9	70	calm	.....	.....	0	0	0	.....	.....	0	0	clear.....	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.04	763.0	30.06	763.5	60 0	15.6	92	s.	0.6	0.3	.....	.....	10 n	.....	ne.	0.016	0.4	raining.....	Y. Okamoto.
Kagoshima	30.02	762.5	30.03	762.8	64.5	18.1	79	ene.	.....	.....	2	0	5 s	.....	.....	0.020	0.5	fair.....	
Kanazawa	29.96	761.0	30.06	763.6	54.2	12.3	78	sw.	0.1	0.04	.....	0	1 s	.....	.....	0.230	5.8	fair.....	S. Endo.
Kioto	29.89	759.1	30.06	763.5	60.0	15.6	85	n.	0.5	0.2	.....	0	5s;ck	.....	.....	0.012	0.3	fair.....	M. Tojima.
Kochi	30.06	763.4	30.08	763.9	61.4	16.3	93	n.	2.7	1.2	.....	.....	10 s	.....	.....	0.060	1.5	overcast.....	K. Kusunose.
Miasaka	30.01	762.9	30.06	763.6	61.1	16.2	97	nne.	.....	.....	2	.....	10 n	.....	e.	0.433	11.0	raining.....	K. Masusaki & T. Ishizaka.
Miyako	29.93	760.1	30.03	762.9	40.0	4.4	91	wsw.	3.8	1.7	.....	0	0	.....	.....	0	0	clear.....	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.84	757.9	30.04	763.0	62.1	16.7	93	n.	3.0	1.3	.....	.....	10 s	.....	.....	0	0	misty	
Nemuro	29.94	760.5	29.99	761.7	34.6	1.4	73	calm	0	0	.....	4 c	0	.....	.....	0	0	fair.....	A Shibuya.
Niigata	29.98	761.5	30.01	762.2	53.0	11.7	87	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	Satoo & Tomikawa.
Nobiru	30.00	761.9	30.01	762.3	47.4	8.6	96	s.	1.0	0.4	.....	7 cs	0	.....	.....	0	0	fair.....	Yoshino & Midzushina.
Numadzu	30.03	762.7	30.06	763.5	58.4	14.7	90	w.	.....	.....	1	.....	10 ks	.....	.....	0	0	overcast.....	T. Ohgi.
Osaka	30.04	763.1	30.06	763 5	59.8	15.4	86	w.	1.4	0.6	.....	0	4 s	.....	.....	0	0	fair	H. Omura.
Saga	30.00	762.1	30.02	762.7	62.8	17.1	90	nw.	1.9	0.8	.....	.....	10 n	.....	.....	0.225	5.7	clear	A. Matsuhayashi.
Sakai	30.06	763.6	30.07	763.8	54.8	12.7	92	n.	.....	.....	2	.....	10 n	.....	wnw.	0.295	7.5	raining.....	Yamawchi & Sakamoto.
Sapporo	29.90	759.4	29.96	761.1	38.1	3.4	82	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	S. Kimura.
Shimonoseki	29.87	758.8	30.02	762.5	58.2	14.6	95	e.	.....	.....	1	.....	10 ks	.....	.....	0.004	0.1	cloudy.....	S. Sakano.
Tokei Obs'y, Yeddo	29.96	761.0	30.04	762.9	59.2	15.1	91	ssw.	5.7	3.8	.....	0	1 s	.....	sw.	0	0	clear.....	The Staff.
Wakayama	30.00	761.9	30.05	763.2	60.1	15.6	89	calm	0	0	.....	0	1 s	.....	.....	0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.76	755.9	29.94	760.5	80.0	26.7	73	ene.	8.0	3.6	.....	2c;cs	3 kn	w.	.....	0.42	10.7	fair.....	The Staff.
MEXICAN.																			
Leon	24.25	615.9	29.92	760.0	57.2	14.0	61	nnw.	0.9	0.4	.....	9 c	1 s	.....	.....	0	0	covered.....	M. Leal & M. Pina
Mazatlan	29.64	752.8	29.90	759.4	65.0	18.3	89	ne.	0	0	.....	1 cs	0	.....	.....	0	0	clear.....	L. L. Gutierrez.
NETHERLANDS.																			
Flushing	29.82	757.4	29.82	757.4	50.0	10.0	.....	nne.	.....	.....	3	.....	.....	.....	.....	0.008	0.2	.....	
Groningen	29.73	755.1	29.78	756.5	45.9	7.7	.....	nne.	.....	.....	1	.....	.....	.....	.....	0.004	0.1	.....	
Helder	29.82	757.3	29.82	757.3	45.1	7.3	.....	ne.	.....	.....	2	.....	.....	.....	.....	0.020	0.5	.....	
Hellevoetsluis	29.81	757 2	29.81	757.2	47.7	8.7	6:	e.	.....	.....	1	.....	.....	.....	.....	0.067	1.7	.....	
Utrecht	29.77	756.2	29.82	757.4	49.1	9.5	49	nne.	.....	.....	3	.....	7	.....	.....	0	0	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.84	758.0	.....	.....	79.3	26.3	86	nne.	0	0	.....	.....	8	.....	.....	0	0	.....	Lt. J. J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	29.91	759.8	29.98	761.4	43.2	6.2	67	ssw.	18	8	.....	.....	10	.....	.....	0	0	.....	
Brono	30.25	768.4	30.29	769.4	31.1	— 0.5	31	e.	.....	.....	2	.....	1	.....	.....	0.02 0	0.5	.....	
Christiania	29.96	760.9	30.11	764.8	32.0	0.0	37	ene.	25	11	.....	.....	3	.....	.....	0.07 9	2.0	.....	
Gjaesvær	30.08	764.0	30.10	764.6	31.6	— 0.2	.....	nw.	.....	.....	7	.....	8	.....	.....	.....	.....	.....	
PORTUGUESE.																			
Funchal, Madeira	29.94	760.5	30.03	762.7	62.6	17.0	48	ne.	9.8	4.4	.....	.....	7	n.	.....	0.02 4	0.6	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.45	747.9	29.78	756.5	53.2	11.8	48	nnw.	23.7	10.6	.....	.....	6	.....	.....	0.193	4.9	.....	The Staff.
Ponta Delgada, Azores	30.20	767 1	30.27	768.9	62.1	16.8	56	ne.	8.7	3.9	.....	.....	4	.....	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.01	762.2	30.04	763.1	70.0	21.1	70	ne.	.....	.....	5	.....	4	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.039	1.0	snowing.....	
Serra da Estrella	24.93	633 1	29.78	756.5	30.9	— 0.6	98	ene.	10.5	4.7	.....	.....	10	.....	.....	.....	.....	.....	
RUSSIAN.																			
Akmolinski	28.59	726.1	29.69	754.0	38.3	3.5	90	s.	13	6	.....	0	7 k	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	29.87	758.6	29.89	759.1	15.1	— 9.4	66	wnw.	9	4	.....	2 cs	0	.....	.....	c	0	.....	Capt. Sselliwerstow.
Ashurada	30.22	767.6	30.13	765.2	57.0	13.9	87	wnw.	11	5	.....	.....	10 n	.....	.....	0.213	5.4	.....	
Astrakhan	30.11	764.8	30.04	763.0	03.5	17.5	29	s.	13	6	.....	0	1 s	.....	.....	0	0	.....	Capt. Wisganow.
Baku	30.14	765.6	30.10	764.4	58.1	14.5	62	s.	9	4	.....	2 cs	0	.....	.....	0	0	.....	
Barnaul	29.58	751.3	30.09	764.3	41.9	5.5	56	sw.	4	2	.....	.....	10	.....	.....	.....	.....	light snow ..	Meteorological Office.
Bielosersk	29.48	748.7	29.97	761.2	27.7	— 2.4	64	n.	4	2	.....	.....	10ks;n	.....	.....	0.071	1.8	.....	
Dorpat	29.46	748.3	29.71	754.6	37.4	3.0	73	nw.	4	2	.....	.....	10 n	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	29.87	733 2	29.86	758.4	32.9	0.5	47	wsw.	18	8	.....	2 ck	0	.....	.....	0.024	0.6	.....	Meteorological Obs'y.
Elisawetgrad	29.10	739.1	29.54	750.4	54.7	12.6	71	s.	7	3	.....	.....	10 s;n	.....	.....	.....	.....	.....	
Kasalinsk	29.57	751.0	29.74	755.5	59.5	15.3	63	wsw.	9	4	.....	.....	.....	.....	.....	.....	.....	.....	Butkewitsch.
Kasan	29.80	756.8	30.08	764.0	28.9	— 1.7	44	wsw.	4	2	.....	0	0	.....	.....	0.020	0.5	.....	Observatory.
Kem	29.98	761.6	30.04	762.9	18.7	— 7.4	72	ne.	13	6	.....	.....	10 ks	.....	.....	0	0	.....	
Kerten	29.75	755.6	29.77	756.2	51.6	10.9	85	s.	7	3	.....	.....	10 n	.....	.....	0	0	.....	Lagorio & Smityrez.
Kieff	28.85	732.9	29.49	749.0	46.8	8.2	100	se.	4	2	.....	.....	10ks;n	.....	.....	0.264	6.7	raining.....	Observatory.
Koslov	29.35	745.6	29.88	759.0	28.2	— 2.1	92	ese.	16	7	.....	.....	10 s	.....	.....	0.327	8.3	snowing.....	
Lgov	29.13	739.9	29.73	755.1	35.4	1.9	90	ese.	11	5	.....	.....	10	.....	.....	0.114	2.9	rain & fog...	R. I. Saaweljew, Eng'n'r.
Libau	29.07	753.6	29.69	754.2	39.0	3.9	80	ne.	9	4	.....	.....	10	.....	.....	0	0	.....	E. Quass.
Lugan	29.54	750.2	29.74	755.3	02.2	16.8	53	sse.	22	10	.....	.....	6	.....	.....	0.039	1.0	.....	Meteorological Obs'y.
Moscow	29.43	747.5	29.93	760.2	31.5	— 0.3	55	ne.	4	2	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	28 12	714.3	30.00	777.2	16.9	— 8.4	32	nw.	2	1	.....	.....	0	.....	.....	.....	.....	.....	
Nikolaiev	29.50	749.3	29.57	751.1	53.8	12.1	85	s.	22	10	.....	.....	10 kn	.....	.....	0.028	0.7	.....	Capt. Kurdakow.

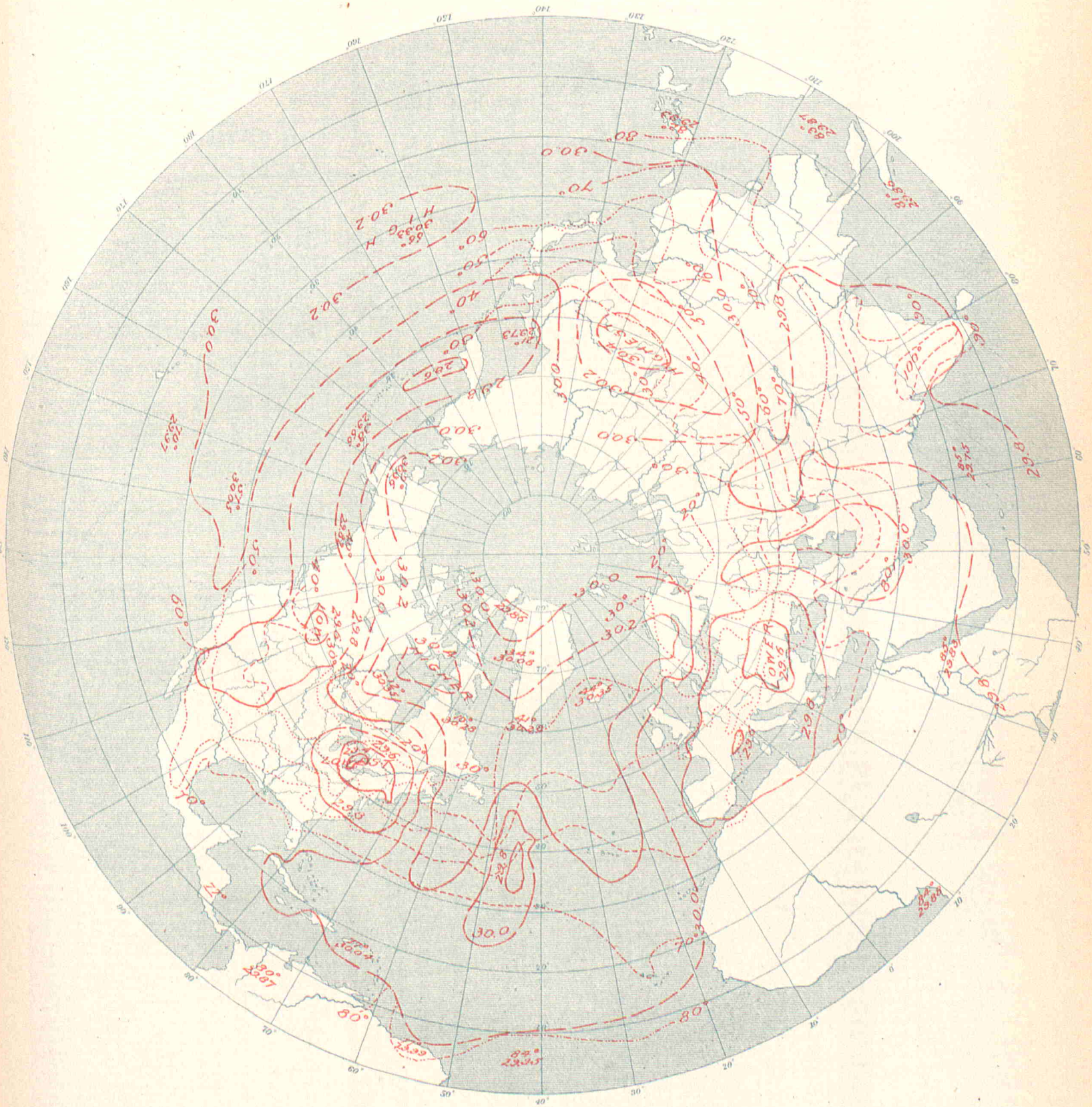
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.64	752.9	29.73	755.1	20.7	— 6.3	87	ne.	20	9	.....	.....	10 n	.....	.....	.....	.....	heavy snow	Iwanow.
Pekin, China	30.04	762.9	30.18	766.5	61.3	16.3	45	sw.	2	1	.....	0	4 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.63	752.6	29.98	761.5	59.0	15.0	67	nw.	2	1	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.77	756.1	29.98	761.4	22.3	— 5.4	61	ese.	11	5	.....	0	5 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.12	739.7	29.63	752.5	40.6	4.8	84	ene.	13	6	.....	.....	10 s	.....	.....	0	0	.....	.....
Poti	29.87	758.6	29.90	759.4	73.9	23.3	65	e.	7	3	.....	.....	0	.....	.....	0.024	0.6	.....	.....
St. Petersburg	29.85	758.3	29.88	758.9	25.7	— 3.5	78	ne.	13	6	.....	.....	10	.....	.....	0.173	4.4	.....	Central Physical Obs'y.
Samarkand	27.47	697.6	29.80	756.9	80.4	26.9	33	calm	0	0	.....	3 ck	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.44	747.8	30.12	765.0	40.1	4.5	84	se.	9	4	.....	.....	6	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.50	749.3	29.71	754.6	54.9	12.7	83	ssw.	27	12	.....	.....	10 n	.....	.....	0.012	0.3	h'vy clouds.	.....
Staroi Bykhov	29.11	739.4	29.69	754.0	31.3	— 0.4	94	ene.	11	5	.....	.....	10	.....	.....	.....	.....	snowing	Carl Hagen.
Tashkend, Laboratory	28.28	718.2	29.85	758.3	79.9	26.6	19	calm	0	0	.....	.....	3 k	.....	.....	.....	.....	.....	Terch, A. M
Tiflis	28.65	727.8	30.04	763 1	67.5	19.7	41	ese.	4	2	.....	0	2 ks	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.40	695.9	29.80	756.9	70.5	21.4	39	ne.	11	5	.....	0	0	.....	.....	.....	.....	.....	Larionow.
Viatka	29.33	744.9	29.99	761.7	25.2	— 3.8	48	wsw.	4	2	.....	.....	2	.....	.....	0	0	.....	.....
Vladivostock	29.98	761.5	30.05	763.2	31.8	— 0.1	98	ese.	13	6	.....	.....	6	.....	.....	0	0	.....	.....
Warsaw	29.22	742.1	29.64	752.9	48.6	9.2	47	n	4	2	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.74	755.3	30.03	762.7	42.3	5.7	52	calm	0	0	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.29	744.0	29.82	757.4	30.2	— 1.0	56	ese.	16.1	7.2	.....	3 cs	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.54	750.4	29.65	753 2	53.8	12.1	89	sw.	.....	.....	.....	.....	10 n	.....	.....	0.346	8.8	covered	B. Jelin.
Bilbao, Met. Obs'y	29.67	753 7	29.73	755.2	47.5	8.6	90	nw.	1.8	0.8	.....	.....	10	.....	.....	0.520	13.2	covered	Angel de Uraldo.
Burgos, Met. Obs'y	26.76	679.6	29.80	756.8	38.3	3.5	91	n.	6.9	3.1	.....	.....	10	.....	.....	0	0	covered	Domingo Martin.
Madrid, Royal Obs'y	27.45	697.3	29.67	753.6	57.4	14.1	63	se.	8.1	3.6	.....	0	7	.....	.....	0.488	12.4	very cloudy	The Staff.
Murcia, Met. Obs'y	29.53	750.0	29.69	754.0	63.0	17.2	66	s.	4.3	1.9	.....	3	3	e.	.....	0	0	clouds	Olayo Diaz, Director.
Santiago, Met. Obs'y	28 85	732.9	29.75	755.7	50.9	10.5	58	ne.	8.7	3.9	.....	.....	7	.....	.....	0.087	2.2	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.93	760.3	30.00	762.0	75.5	24.2	84	se.	4.0	1.8	.....	c	0	w.	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.87	758.8	29.93	760.2	82.0	27.8	75	ese.	11.0	4.9	.....	0	k	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.72	754.8	29.82	757.3	59.0	15.0	64	w.	10.3	4.6	.....	1	6	w.	w.	0.012	0.3	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.95	760.8	30.04	763.1	76.6	24.8	81	calm	0	0	.....	3 c	0	.....	.....	0	0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.18	766.5	30.22	767.5	25.5	— 3.6	74	n.	.....	.....	4	.....	7	.....	.....	0	0	.....	.....
Umea	30.18	766.6	30.23	767.9	24.8	— 4.0	68	ne.	.....	.....	4	.....	9	.....	.....	0	0	.....	.....
Hernosand	30.10	764.4	30.15	765.7	26.2	— 3.2	48	ne.	.....	.....	4	.....	8	.....	.....	0.012	0.3	.....	.....
Stockholm	29.82	757.4	30.00	761.9	27.0	— 2.8	41	nne.	.....	.....	7	.....	10	.....	.....	0.063	1.6	.....	.....
Wisby	29.77	756.1	29.83	757.6	29.5	— 1.4	76	ene.	.....	.....	7	.....	10	.....	.....	0.224	5.7	.....	.....
Sub-series.																			
Upsala	29.94	760.4	30.02	762.6	26.1	— 3.3	60	ne.	18.1	8.1	.....	.....	10	.....	ne.	0.016	0.4	snowing	H.H.Hildebrandesson
Swiss																			
Geneva	28.26	717.7	29.70	754.4	48.7	9.3	75	n.	.....	.....	1	.....	10	.....	.....	0.008	0.2	covered	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.76	755.8	68.9	20.5	59	sw.	11	5.0	.....	.....	3	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.78?	756.5?	72.5	22.5	.....	sw.	.....	.....	2	.....	5	.....	.....	0	0	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.94	760.4	68.9	20.5	76	ne.	.....	.....	2	6 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.53	750.0	29.61	752.1	50.9	10.5	87	s.	2	0.9	.....	.....	10 s	.....	.....	0.19	4.8	cloudy	J. O. Barnes.
Alpena, Michigan	28.71	729.2	29.40	746.7	35	1.7	89	w.	7	3.1	.....	.....	10 s	.....	.....	0.61	15.5	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.82	630.4	29.74	755.4	46.5	8.1	70	s.	1	0.4	.....	.....	10 s	.....	sw.	0	0	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	26.79	680.5	29.70	754 4	38.8	3.8	80	calm	0	0	.....	10 k	0	.....	.....	0	0	cloudy	J. J. O'Connor.
Atlanta, Georgia	28.68	728.5	29.87	758.7	59.0	15.0	65	w.	12	5.4	.....	2 c	0	w.	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	29.67	753.6	29.68	753.9	49.0	9.4	100	s.	6	2.7	.....	.....	fg.	.....	.....	0.95	24.1	dense fog	B.A.Blundon.
Augusta, Georgia	29.69	754.1	29.88	758.9	60.2	15.7	68	sw.	2	0.9	.....	7 c	hz.	sw.	.....	0.36	9.1	fair	W.J.Evans.
Baltimore, Maryland	29.63	752.6	29.68	753.9	51.5	10.8	90	s.	4	1.8	.....	8 cs	0	sw.	.....	0.20	5.1	cloudy	Geo. W. Felger.
Barnegat City, New Jersey	29.64	752.8	29.66	753.4	52.6	11.4	96	sw.	8	3.6	.....	.....	fg	.....	.....	0.09	2.3	dense fog	J.P.Sherry.
Bennett, Fort, Dakota	28.26	717.8	29.90	759.4	33.0	0.6	66	se.	10	4.5	.....	2 k	2 s	se.	se.	inap.	inap.	fair	A. Pritchard.
Benton, Fort, Montana	27.05	687.1	29.91	759 7	30.5	— 0.8	67	n.	2	0.9	.....	0	0	.....	.....	0.02	0.5	clear	C.S.Bennett.
Bismarck, Dakota	28.06	712.7	29.91	760.5	30.8	— 0.7	80	e.	7	3.1	.....	0	9 s	se.	o	0	0	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.01	752.1	29.64	752.8	47.0	8.3	100	sw.	12	5.4	.....	.....	fg.	.....	.....	0.86	21.8	dense fog	J. T. Elker.
Boise City, Idaho	26.92	683.8	29.76	755.9	39.0	3.9	87	calm	0	0	.....	0	4 s	.....	w	0.04	1.0	fair	James Keneely.
Boston, Massachusetts	29.44	747.8	29.60	751.8	52.2	11.2	100	sw.	6	2.7	.....	.....	10s;fg	.....	sw.	1.30	33.0	cloudy	O. B. Cole.
Brownsville, Texas	29.79	756.7	29.85	758.2	65.6	18.7	100	e.	5	2.2	.....	10 ck	0	se.	.....	0	0	cloudy	John McGlone.
Buffalo, New York	28.75	730.2	29.52	749.8	47.5	8.6	95	s.	1	0.4	.....	.....	10 n	.....	s.	0.51	13.0	light rain	D.Cuthbertson.
Buford, Fort, Dakota	27.71	703.8	29.81	757.2	32.8	0.4	88	e.	9	4.0	.....	6 c	0	.....	.....	0	0	fair	A. Schneider.
Cairo, Illinois	29.61	752.1	30.02	762.5	52.0	11.1	59	nw.	12	5.4	.....	.....	10 s	.....	nw.	0	0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.70	754.4	29.90	759.4	46.8	8.2	79	n.	3	1.3	.....	0	8 k	.....	.....	0	0	cloudy	J.H.Young.
Cape Henry, Virginia	29.75	755.6	29.77	756.1	70.0	21.1	100	s.	14	6.3	.....	0	4 s	.....	s.	0.08	2.0	fair	A. K. Alderson.
Cape May, New Jersey	29.04	752.8	29.67	753.6	50.5	10.3	96	sw.	12	5.4	.....	0	fg.	.....	.....	0.43	10.9	clear	W.E.Smith.
Cape Mendocino, California	29.27	743.4	29.96	761 0	42.8	6.0	93	nw.	20	8.9	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	A. P. Leavitt.
Cedar Keys, Florida	29.95	760.7	29.97	761.2	69.5	20.8	93	w.	4	1.8	.....	0	8 k	.....	sw.	0.17	4.3	cloudy	G. W. Davis.
Charleston, S. Carolina	29.80	756.9	29.86	758.4	63.0	17.2	90	sw.	5	2.2	.....	3 c	0	w.	.....	0.05	1.3	clear	J. H. Smith.
Charlotte, N. Carolina	28.96	735.6	29.82	757.4	55.7	13.2	76	sw.	2	0.9	.....	.....	10 s	.....	sw.	0.31	7.9	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.02	737.1	29.85	758.2	60.5	15.8	50	w.	4	1.8	.....	4 cs	0	w.	.....	inap.	inap.	fair	B. L. Goulding.
Cheyenne, Wyoming	23.75	603.2	29.77	756.1	32.2	0.1	57	s.	6	2.7	.....	0	5 s	.....	.....	0	0	fair	E. McGovern.
Chicago, Illinois	28.97	735.8	29.70	754 4	36.3	2.4	81	nw.	8	3.6	.....	.....	10 s	.....	nw.	0.49	12.4	cloudy	T.B.Jennings.
Chincoteague, Virginia	29.70	754.4	29.72	754.9	55.4	13.0	84	sw.	7	3.1	.....	0	fg.	.....	.....	0.11	2.8	clear	C. F. Dickens.
Cincinnati, Ohio	29.04	737.6	29.71	754.6	51.0	10.6	68	w.	13	5.8	.....	.....	10 s	.....	w.	0.21	5.3	cloudy	L.Dunne.
Cleveland, Ohio	28.78	731.0	29.54	750.3	46.0	7.8	93	sw.	21	9.4	.....	.....	10 n	.....	sw.	0.05	1.3	light rain	W.Line.
Columbus, Ohio	28.77	730.7	29.64	752.8	45.5	7.5	58	sw.	18	8.0	.....	.....	10 n	.....	sw.	0.09	2.3	light rain	F.T. Williams.
Concho, Fort, Texas	28.01	711.4	29.95	760.7	49.2	9.6	58	ne.	5	2.2	.....	1 ck	0	sw.	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.43	671.3	29.61	752.1	38.8	3.8	82	e.	2	0.9	.....	0	8 s	.....	.....	0	0	cloudy	W.J.Daily.
Davenport, Iowa	29.12	739.6	29.79	756.7	40.5	4.7	72	nw.	7	3.1	.....	0	9 ks	.....	nw.	0.02	0.5	cloudy	R. R. Martin.
Davis, Fort, Texas	25.07	630.8	29.85	758.2	49.1	9.5	80	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty'y	28.07	713.0	29.83	757.7	44.2	6.8	86	sw.	11	4.9	.....	0	5 k	.....	nw.	0.40	10.2	fair	H.S.Blandford.
Deadwood, Dakota	25.08	637.0	29.77	756.1	41.5	5.3	09	s.	3	1.3	.....	4 cs	0	.....	.....	0	0	fair	G.Kingsbury.
Delaware Breakwater, Del	29.70	754.4	29.72	754.9	52.9	11.6	100	sw.	11	4.9	.....	0	8 k;fg	.....	.....	0.07	1.8	cloudy	G.A.Martin.
Denver, Colorado	24.49	622.0	29.76	755.9	40.6	4.8	53	calm	0	0	.....	7 cs	0	.....	.....	0	0	fair	F. M. Neal.
Des Moines, Iowa	29.00	736.6	29.93	760.2	37.4	3.0	65	n.	8	3.6	.....	0	0	.....	.....	inap.	inap.	clear	F. W. Conrad.
Detroit, Michigan	28.76	730.5	29.49	749.0	39.1	3.9	82	sw.	16	7.2	.....	.....	10 n	.....	sw.	0.41	10.4	light rain	N.B.Conger.
Dodge City, Kansas	27.32	693.9	29.96	761.0	41.6	5.3	65	e.	18	8.0	.....	0	0	.....	.....	0	0	clear	J.E.Lamonette.
Dubuque, Iowa	29.05	737.9	29.78	756 4	39.5	4.2	65	n.	6	2.7	.....	.....	10 s	.....	nw.	0.04	1.0	cloudy	A.W.Browne.
Duluth, Minnesota	29.15	740.4	29.92	760.0	31.3	— 0.4	65	calm	0	0	.....	0	0	.....	.....	0.11	2.8	clear	E.R.Brace.
Eastport, Maine	29.82	757.4	29.89	759 2	40.0	4.4	89	e.	14	6.3	.....	.....	10 n	.....	se.	0.76	19.3	light rain	D. C. Murphy.
Elliott, Fort, Texas	27.13	689.1	29.91	759.7	44	6.7	59	e.	3	1.3	.....	2 ck	3 s	sw.	.....	0	0	fair	J. C. Rickli.
El Paso, Texas	26.09	662.7	29.83	757.7	49.4	9.7	51	calm	0	0	.....	4 ck	3 s	w.	.....	0	0	fair	F.Belford.
Erie, Pennsylvania	28.70	730.5	29.51	749.5	51.2	10.7	70	sw.	11	4.9	.....	.....	10 n	.....	sw.	0.16	4.1	light rain	P.Wood.
Escanaba, Michigan	28.92	734.6	29.61	752.1	27.7	— 2.4	90	n.	25	11.2	.....	.....	10 s	.....	n.	1.09	27.7	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.51	749.5	29.99	761.7	50.1	10.1	72	n.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	29.90	759.4	29.94	760.5	68.4	20.2	82	nw.	6	2.7	.....	1 cs	0	.....	.....	0	0	clear	E. O'C. Macinerney
Grand Haven, Michigan	28.92	734.6	29.61	752.1	33.3	0.7	85	nw.	28	12.5	.....	.....	10 n	.....	nw.	0.98	24.9	light snow	Joseph E. Mueller.
Grant, Fort, Arizona	25.05	630.3	29.78	756.4	50.7	10.4	27	n.	4	1.8	.....	1 ck	0	sw.	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.82	757.4	29.83	757.7	59.8	15.4	100	sw.	9	4.0	.....	0	fg.	.....	.....	2.33	59.2	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.52	648.2	29.73	755.1	34	1.1	88	calm	0	0			10 s			0.36	9.1	cloudy	S. W. Morrison.
Huron, Dakota	28.55	725.2	30.00	762.0	32	0.0	86	nw.	1	0.4			fg.			0.02	0.5	dense fog	S. W. Glenn.
Indianapolis, Indiana	28.88	733.5	29.70	754.4	43.5	6.4	78	w.	8	3.6			10 n		w.	0.04	1.0	light rain	C. F. R. Wappenhans.
Indianola, Texas	29.87	758.7	29.90	759.4	68.3	20.2	95	s.	1	0.4		2 c	0	w.		0	0	clear	I. A. Reed.
Jacksonville Florida	29.90	759 4	29.94	760.5	66.5	19.2	93	sw.	3	1.3		2 cs	fg.			0.22	5.6	clear	J. W. Smith.
Keokuk, Iowa	29.21	741.9	29.88	758.9	41.0	5.0	73	nw.	5	2.2		0	0			inap.	inap.	clear	F. Z. Gosewisch.
Key West, Florida	29.98	761.5	30.00	762.0	78.8	26.0	88	se.	4	1.8		0	0			0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.79	756.7	29.81	757.2	58.8	14.9	90	sw.	10	4.5		0	0			1.72	43.7	clear	Wesley Blake.
Knoxville, Tennessee	28.77	730.7	29.81	757 2	57.6	14.2	54	w.	8	3.6		0	1 s			inap.	inap.	clear	J. A. Cody.
La Crosse, Wisconsin	29.03	737.3	29.83	757.7	36.2	2.3	69	n.	24	10.7		0	4 s		n.	0.32	8.1	fair	S. C. Emery.
Leavenworth, Kansas	29.10	739.1	30.01	762.2	40	4.4	82	nw.	3	1.3		0	0			0	0	clear	C. Dill.
Lewiston, Idaho	28.94	735.1	29.79	756.7	43.0	6.1	92	sw.	1	0.4		8 ck	0		se.	0.13	3.3	cloudy	O. E. Butler.
Little Rock, Arkansas	29.64	752.8	29.96	761.0	54.0	12.2	80	nw.	1	0.4		0	0			0	0	clear	W. U. Simons.
Los Angeles, California	29.52	749.8	29.92	760.0	52.0	11.1	96	e.	4	1.8			10 n			0.40	10.2	light rain	T. S. Collins.
Louisville, Kentucky	29.28	743.7	29.85	758.2	51.3	10.7	64	w.	13	5.8			10 s		w.	0.07	1.8	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.03	737.3	29.74	755.4	52.0	11.1	80	w.	1	0.4		0	1k;fg		sw.	0.02	0.5	clear	Jno. Healy.
Mackinaw City, Michigan	28.80	731.5	29.48	748.8	30.0	— 1.1	92	n.	12	5.4			10 s			0.60	15.2	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.84	757.9	29.85	758.2	61.0	16.1	93	sw.	11	4.9		0	1kz.			0.69	17.5	clear	William Daly.
Maginnis, Fort, Montana	25.23	640.8	29.73	755.1	36.5	2.5	49	nw.	26	11.6		5 c	0	nw.		0.02	0.5	fair	E. Burke.
Marquette, Michigan	28.98	736.1	29.72	754.9	25.5	— 3.0	94	n.	24	10.7			10 n			1.40	35.6	light snow	J. Gilligan.
Memphis, Tennessee	29.57	751.1	29.91	759.7	55.0	12.8	55	w.	3	1.3		0	0			0	0	clear	D. T. Flannery.
Milwaukee, Wisconsin	28.89	733.8	29.66	753.4	33.4	0.8	87	nw.	11	4.9			10 n		nw.	0.93	23.6	light snow	S. W. Rhode.
Mobile, Alabama	29.86	758.4	29.90	759.4	66.7	19.3	61	w.	5	2.2		6 c	0	w.		0	0	fair	H. U. Jones.
Montgomery, Alabama	29.64	752.8	29.87	758.7	63.2	17.3	68	s.	6	2.7		1 cs	0			0	0	clear	S. M. Leitzell.
Moorhead, Minnesota	28.95	735.3	29.98	761.5	28.5	— 1.9	88	calm	0	0		0	0			0	0	clear	L. M. Dey.
Mt. Washington, N. H.	23.43	595.1	29.84	757.9	36.0	2.2	100	s.	58	26.0			fg.		s.	0.62	15.7	dense fog	E. A. Beals.
Nashville, Tennessee	29.27	743 4	29.85	758.2	54.0	12.2	67	nw.	11	4.9		0	0			0	0	clear	L. N. Jesunofsky.
New Haven, Connecticut	29.54	750.3	29.66	753.4	51	10.6	100	sw.	2	0.9			10s;fg		sw.	0.86	21.8	cloudy	J. H. Sherman.
New London, Connecticut	29.60	751.8	29.65	753.1	48.3	9.1	100	sw.	4	1.8			fg.			1.29	32.8	dense fog	J. G. Lynch.
New Orleans, Louisiana	29.86	758.4	29.92	760 0	68.0	20.0	70	nw.	1	0.4		2 c	0	w.		0	0	clear	M. Herman.
New York, New York	29.51	749 5	29.69	754.1	51	10.6	100	calm	0	0			10n;fg			0.71	18.0	thund'r st'm	W. Finn.
Norfolk, Virginia	29.74	755.4	29.77	756.1	60.2	15.7	76	sw.	6	2.7		0	0			0.51	13.0	clear	Wm. Davis.
North Platte, Nebraska	29.97	685.0	29.93	760.2	37.1	2.8	77	se.	9	4.0		0	5 s		se.	inap.	inap.	fair	E. F. Brady.
Olympia, Washington Tv	29.78	756.4	29.82	757.4	44.0	6.7	93	s.	1	0.4			10 s			0	0	cloudy	J. Dascomb.
Omaha, Nebraska	28.78	731.0	29.99	761.7	36.7	2.6	92	nw.	3	1.3		0	0			0	0	clear	A. Pollak
Oswego, New York	29.19	741 4	29.53	750.0	49.2	9.6	93	se.	7	3.1		0	9s;hz		s.	0.27	6.9	cloudy	J. G. Linsley.
Palestine, Texas	29.42	747.3	29.93	761.5	56.2	13.4	69	ne.	8	3.6		3 cs	4 s			0	0	fair	P. T. Jenkins.
Pensacola, Florida	29.88	758.9	29.91	759 7	68.3	20.2	85	sw.	9	4.0		3 c	0	w.		0	0	clear	M. McGauran.
Philadelphia, Pa	29.54	750 3	29.67	753.6	53	11.7	100	s.	4	1.8			fg.			0.38	9.7	dense fog	T. F. Townsend.
Pike's Peak, Colorado	17.58	446.5	29.86	758.4	9.0	—12.8	87	sw.	56	25.0		0	0			inap.	inap.	clear	H. Hall.
Pittsburg, Pennsylvania	28.77	730.7	29.60	751.8	51.6	10.9	76	sw.	6	2.7			10 s		sw.	0.11	2.8	cloudy	O. D. Stewart.
Poplar River, Montana					30.3	— 0.9	87						10 ks			0	0	cloudy	Geo. A. Carden.
Port Huron, Michigan	28.69	728.7	29.39	746.5	38.0	3.3	89	sw.	19	8.5			10 s		w.	0.72	18.3	cloudy	M. H. Perry
Portland, Maine	29.58	751.3	29.62	752.3	48.4	9.1	87	se.	3	1.3			10 n			3.60	91.4	heavy rain	W. W. Eichelberger.
Portland, Oregon	29.80	756.9	29.87	758.7	46.0	7.8	80	s.	3	1.3			10 n			0.07	1.8	light rain	M. L. Hearne.
Prescott, Arizona	24.50	622.3	29.77	756.1	45.3	7.4	91	s.	9	4.0			10 s		s.	0.07	1.8	cloudy	J. Glover.
Provincetown, Mass.																			O. N. Kitchel.
Red Bluff, California	29.53	750.0	29.89	759.2	46.5	8.1	65	nw.	4	1.8		5 c	0	n.		1.41	35.8	fair	J. R. Williams.
Rio Grande City, Texas	29.07	753.6	29.91	759.7	68.0	20.0	84	se.	5	2.2		1 cs	0			0	0	clear	L. G. Schultz.
Rochester, N. Y.	28.85	732.8	29.54	750.3	50.5	10.3	81	sw.	8	3.6			10 k		sw.	0.11	2.8	threatening	E. W. McGann.
Roseburg, Oregon	29.38	746.2	29.94	760.5	42.2	5.7	91	e.	2	0.9			10 n		sw.	0.56	14.2	light rain	J. J. Naury.
Sacramento, California	29.82	757.4	29.89	759.2	46.0	7.8	87	s.	5	2.2		0	0			0.27	6.9	clear	J. A. Barwick
St. Louis, Missouri	29.26	743.2	29.89	759.2	45.6	7.6	80	w.	10	7.2		0	8k;s		w.	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	30.33	770.4	30.36	771.1	9	—12.8	100	ne.	3	1.3		0	0			0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.02	737.1	29.90	759.4	35.0	1.7	69	nw.	10	4.5		0	0			0.01	0.3	clear	P. F. Lyons.
St. Vincent, Minnesota	29.11	739.4	30.02	762.5	27	— 2.8	82	calm	0	0		0	0			0	0	clear	O. B. Dilley.
Salt Lake City, Utah	25.27	641.8	29.64	752.8	46.8	8.2	78	ne.	4	1.8			10 n			0.04	1.0	light rain	J. Craig.
San Diego, California	29.81	757.2	29.88	758.9	56.2	13.4	95	se.	12	5.4			10 n		s.	0.09	2.3	light rain	F. R. Day.
Sandusky, Ohio	28.87	733.3	29.57	751.1	42.8	6.0	78	sw.	28	12.5			10 ks		sw.	0.07	1.8	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.67	753.6	29.70	754.4	49 8	9.9	100	w.	9	4.0			10 n		w.	0.81	20.6	thund'rst'm	V. P. Chappel.
Sanford, Florida	29.87	758.7	29.92	760.0	74.0	23.3	82	sw.	9	4.0		0	8 ks		sw.	0.12	3.0	cloudy	J. B. Marbury
San Francisco, California	29.84	757.9	29.91	759.7	48.3	9.1	75	nw.	9	4.0		0	0			0.11	2.8	clear	N. Gorom.
Savannah, Georgia	29.80	756.9	29.89	759.2	66.2	19.0	90	sw.	8	3.6		0	fg.			0.13	3.3	clear	H. W. Ford.
Shaw, Fort, Montana	26.03	661.2	29.70	754.4	32.5	0.3	85	w.	5	2.2		3 cs	0			0	0	clear	A. L. Mathews
Shreveport, Louisiana	29.74	755.4	29.98	761.5	56.4	13.6	79	calm	0	0		6 ck	0	w.		0	0	fair	E. N. Meekins.
Sitka, Alaska	29.75	755.6	29.82	757.4	39.6	4.2	76	e.	1	0.4		0	7 k		e.	0	0	fair	F. W. Fickett.
Smithville, North Carolina	29.82	757.4	29.86	758.4	62.6	17.0	95	w.	6	2.7		3 k	0	w.		0.66	16.8	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.09	703.3	29.75	755.6	43.0	6.1	83	sw.	5	2.2			10 s		sw.	0	0	cloudy	D. Moore.
Springfield, Illinois	29.14	740.1	29.84	757.9	42.8	6.0	67	nw.	16	7.2			10 s		nw.	0.31	7.9	cloudy	W. Norrington.
Stockton, Fort, Texas	26.82	681.2	29.85	758.2	54.0	12.2	44	se.	12	5.4		0	2 s			0.01	0.3	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.71	754.6	29.80	756.9	46.9	8.3	68	sw.	10	4.5		0	9 ks		sw.	0	0	cloudy	R. Connor.
Thomas, Camp, Arizona	27.08	687.8	29.81	757.2	45.5	7.5	59	calm			0	0	5 s		w.	0	0	fair	R. C. Lord.
Toledo, Ohio	28.82	732.0	29.53	750.0	41	5.0	80	w.	18	8.0			10 n		w.	0.51	13.0	light rain	A. Buell.
Unalashka, Alaska	29.64	752.8	29.66	753.4	38	3.3	89	e.	32	14.3			10 s		e.	0	0	threatening	Samuel Applegate
Vicksburg, Mississippi	29.70	754 4	29.96	761.0	62	16.7	60	n.	2	0.9		0	0			0	0	clear	F. W. Mixer.
Washington, D. C.	29.58	751.3	29.70	754.4	54.8	12.7	87	sw.	2	0.9		0	0			0.04	1.0	clear	T. B. Harrison.
West Las Animas, Colorado	25.80	655.3	29.75	755.6	35.5	1.9	54	sw.	2	0.9		0	0			0	0	fair	F. H. Brandenburg.
Wilmington, N. Carolina	29.79	756.7	29.85	758.2	61.5	16.4	86	calm	0	0		6 c	0	sw.		0.66	16.8	clear	L. H. Albrecht.
Yankton, Dakota	28.95	727.7	29.99	761.7	34.0	1.1	90	nw.	1	0.4		2 cs	0			0.02	0.5	clear	E. H. Thompson.
Yuma, Arizona	29.64	752.8	29.79	756.7	61.3	16.3	58	w.	6	2.7		0	0			0	0	cloudy	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.54	750.3	29.56	750.8	31.8	— 0.1						0	9 s		sw.				
Bluefields, Nicaragua, C. A.					85	29.4		w	4	1.8			10 n			0.01	0.3	cloudy	George Oberuick.
Bogota, U. S. C.	21.95	557 4			56.3	13.5	90	ne.			1	2 c	1 k		ne.	0	0	fair	W. P. Jackson.
Chimo, Fort, Ungava	30.13	765.3	30.28	769.1	10	—12.2	100	calm	0	0			10 pk			0.024	0.6		Joaquin Gomez.
Kingston, Jamaica, W. I.			30.04	763.0	73	22.8	86	n.	18	8.0			10 s		nw.	0.07	1.8	cloudy	L. M. Turner.
Paramaribo, S. A.	29.99	761.7	29.99	761.7	77	25.0	86	calm	0	0		0	0			0	0	fair	Robert Johnston.
Puerto Berrio, U. S. C.	29.31	744 5	29.87	758.7	80	26.7	89	e.			2		5s;n		ne.	0	0		
Rivas, Nicaragua, C. A.	29.85?	758.2?	30.01?	762.2?	77.3	25.2	85	s.			1		8 ks		e.	0.000	1.5	cloudy	Dr. C. J. Herms.
York Factory, B. A.	30.29	769.4	30.35	770.9	—11.5	—24.2	75	ne.			1	5 ck	5 k	s.	s.	0	0	cloudy	Francisco J. Cisneros.
								n.	12	5.4		1 c		n.		0	0		Earl Flint.
U. S. of Colombia. *(Sub series).*																		fair	Fortescue & Wood
Colon																			P. Fasham.
Naos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, Port au Prince, Hayti W. I*	29.95	760.7	76	24.4		e.			4		6		ese.	5 h'r	5 h'r			fine
S. S. Alps, Port Antonio, Jamaica, W.I*†	30.00	762.0	80	26.7		e.			4		2		e.	rain	rain	sm'h	ese.	clear.
S. S. Ailsa, N. 32° 44′, W. 74° 21′*†	30.06	763.5	68	20.0	100	sw.			7		10			3 h'r	3 h'r	mod.	con.	thund'r st'm
S. S. Abyssinia, N. 40° 34′, W. 68° 12′ *	29.80	756.9	49	9.4	100	s.			5		6		w.	5 h'r	5 h'r	r'gh	s.	rain & fog.
S. S. Bohemia, N. 40° 31′, W. 63° 32′						var.			1–6		10		s.	o	o	mod.	s.	overcast.
S. S. City of Washington, Vera Cruz, Mexico*†	30.00	762.0	83	28.3		s.			2		2		ese.	o	o			clear.
S. S. Canada, (Fr) N. 45° 36′, W. 35° 10′			57	13.9	100	sse.			3		0			3 h'r	3 h'r	sm'h	w.	clear.
S. S. Circassian, N. 42° 18′, W. 65° 35′	29.92	760.0	46	7.8	100	sse.			5		10		se.			4	ssw.	raining.
S. S. Cienfuegos, N. 19° 47′, W. 75° 41′			77	25.0		ne.			2		0			o	o	small	ene.	clear.
Bk. U. S. Bushnell, N. 39° 56′, W. 23° 28′	30.29	769.4				n.			5		10		ne.	o	o	long	ne.	cloudy.
S. S. Denmark, N. 41° 03′, W. 61° 17′†	30.23	767.8	54	12.2	87	se.			4		8		calm	o	o	sm'h		cloudy.
S. S. E. B. Sutton, N. 37° 00′, W. 59° 50′*†	30.24	768.1	59	15.0	76	nne.			2		2		n.	o	o	sm'h		clear.
S. S. Elbe, N. 48° 40′, W. 24° 31′	30.28	769.2	50.0	10.0		n.			4		7		n.	o	o	mod.	n.	fair.
S. S. Elder, Bremerhaven, Germany*†	29.78	756.4	41.9	5.5		ne.			5		8		n.	2 h'r	2 h'r			cloudy.
S. S. Fulda, N. 41° 34′, W. 52° 03′	30.23	767.8	42.4	5.8	88	n.			6		5		n.	o	o	mod.	n.	fair.
S. S. Gellert, N. 40° 14′, W. 56° 55′			54.0?	12.2?		ne.			6		6?		ne.	o	o	mod.	ne.	covered.†
S. S. Gallia, N. 42° 14′, W. 50° 25′	30.14	765.5	38	3.3		ene.			6		5		n.			sm'h		fine.
Bg. L. & W. Armstrong, N. 40° 36′, W. 71° 44′ *†	29.64	752 8				w.			1		10			2 h'r	2 h'r	long	s.	dense fog.
S. S. Marengo, N. 40° 40′, W. 71° 04′	29.68	753.9	46	7.8		ssw.			5					8 h'r	8 h'r	long	s	foggy.
S. S. Nurnberg, N. 45° 15′, W. 37° 54′	30.22	767.6	57.2	14.0		s.			6		5		se.	o	o	mod.	w.	fine.
S. S. Nova Scotian, N 42° 05′ W. 49° 40′	30.16	766.1	38	3.3		nne.			4		0					mod.	ne.	clear.
S. S. Nessmore, N. 39° 55′, W. 51° 34′	30.13	765.3	46	7.8	92	n.			7		7		n.	o	o	mod	n.	fair.
S. S. Oregon, (Br.) N. 43° 24′, W. 69° 05′	29.60	751.8	33	0.6		ese.			6		10		wsw.	o	o	long	ese.	rain & fog.
S. S. Polynesian, N. 45° 11′, W. 40° 55′	30.09	764.3	56	13.3		s.			4		7		s.	o	o	mod.	s.	fair.
S. S. P. Caland, N. 40° 10′, W. 54° 39′			50.4	10.2		ne.			4–6		6		ne.	o	o	sm'h		fair.
S. S. Republic, N. 41° 37′, W. 57° 00′			45	7.2		ene.			5		3		ene.	o	o	sm'h		d. clouds.
S. S. Rhein, N. 48° 32′, W. 23° 40′	30.33	770.4				ne.			5–6		4		ne.	o	o	mod.	ne.	fair.
S. S. State of Georgia, N. 40° 39′, W. 62° 51′†	30.09	764.3	60?	15.6?		se.			6		8		w.	shr's	shr's	sm'h		cloudy.
S. S. Salier, N. 42° 04′, W. 50° 10′	30.14	765.5				n.			7–8		3		ne.	o	o	cross	nne.	
S. S. The Queen N. 41° 25′, W. 45° 54′	29.83	757.7	55	12.8		nne.			6		10		ne.	8 h'r	8 h'r	h'vy	ne.	raining.
S. S. Vaderland, N. 39° 41′, W. 64° 05′			55	12.8		sse.			6		9		sw.	4 h'r	4 h'r	mod		raining.
S. S. Weser, N. 40° 45′, W. 54° 44′	30.30	769.6	46.4	8.0		nne.			5		8		nne.	o	o	4	nne.	cloudy.
S. S. Westernland, Antwerp, Belgium	29.8?	757.2	50	10.0	79	ne.			2		10		ne.	o	o			cloudy.
S. S. Waesland, N. 48° 03′, W. 23° 30′	30.33	770.4	52	11.1		n.			6		9		n.	¼h'r	¼h'r	mod.	n.	cloudy.
Bk. Alpha, N. 28° 15′, W. 78° 01′ *†	30.00	762.0	77	25.0		ssw.			6		5		sw.	o	o	mod.	sw.	hazy.
Schr. Adda Doane, Port Antonio, Jamaica, W. I†	30.02	762.5				ssw.			2		7		n.	1 h'r	1 h'r			fair.
S. S. America, N. 41° —′, W. 42° —′*	30.00	762 0	62	16.7		sse.			6		10			24 h'r	24 h'r	r'gh	s.	covered.
S. S. Caracas, La Guayra, Venezuela*†	29.91	759.7	77	25.0	84	calm			0		0			½h'r	½h'r	light	nne.	clear.
S. S City of Merida, N. 22° 47′, W. 84° 52′			78.8	26		sse.			2		2		s.	o	o	light	se.	fine.
S. S. Chalmette, New York, N. Y †	29.68	753.9	01?	16.1?		calm			0		10			6 h'r	6 h'r			cloudy.
S. S. Devonia, N. 55° 15′, W. 6° 50′ †.	29.91	759.7	48	8.9		ene.			2		4		ene.	2 h'r	2 h'r			fair.
S. S. Elysia, N. 40° 41′, W. 57° 47′*	30.25	768.3	52	11.1		ene.			3		0			o	o	sm'h		clear.
S. S. Foscolia, N. 33° 25′, W. 46° 15′†	29.81	757.2	68	20.0		wnw.			6		8		wnw.	o	o	h'vy	nw.	squally.
S. S. Grecian, N. 42° 21′, W. 61° 04′	30.27	768.8	43	6.1	83	ese.			3		0			o	o	sm'h		clear.
S. S. Muriel, N. 19° 26′, W. 63° 53′	30.05	763.3	78	25.6		ene.			3		0			o	o	sm'h		clear.
S. S. New York, N. 24° 25′, W. 81° 15′ *†	30.00	762.0	78	25.6		se.			3		0		se.			sm'h		clear.
S. S. Ontario, N. 43° 13′, W. 66° 04′			42	5.6	100	se.			4		10			15 h'r	15 h'r	mod.	sse	raining.
S. S. Pennsylvania, N. 47° 56′, W. 28° 00′			51	10.6	93	ene.			4		6		e.	1 h'r	1 h'r	high	e.	fine.
S. S. Samaria, off Ormeshead, Ireland *	29.91	759.7	47	8.3		ne.			2		3		calm	o	o	sli't	ne.	fine.
Bk. Tros, N. 32° 31′, W. 72° 59′ *†	29.88	758.9	69	20.6		sw.			2		4?		sw.	rain	rain	h'vy	sw.	cloudy.†
U. S. S. Alliance, N. 23° 26′, W. 80° 52′	30.03	762.7	78	25.6	86	sse.			2		2			o	o	mod.		clear.
U. S. S. Galena, St. Thomas, W I*	30.00	762.0	78	25.6	82	ene.			1		2		ene.			sm'h		fair.
U. S. S. Jamestown, St. Kitts, W.I	30.04	763.0	77	25.0	69	e			4		8					sm'h		fair.
U. S. S. Kearsarge, Larnica, Cyprus, Turkey	30.00	762.0	68	20.0	84	ese.			2		8							fair.
U. S. S. Lancaster, Larnica, Cyprus, Turkey.	29.99	761.7	68	20.0	100	ese.			2		2					sm'h		fair.
U. S. S. New Hampshire, Newport, R. I.	29.81	757.2	47	8.3	77	calm			0		10							cloudy.
U. S. S. Pensacola, N. 10° 38′, W. 46° 29′†	30.02	762.5	79	26.1	82	ne.			5		2		ne.	o	o	mod	ne.	clear.
U. S. S. Portsmouth, N. 33° 30′, W. 72° 32′	29.86	758.4	68	20.0	100	s.			3		10		ssw.			long	ssw.	overcast.
U. S. S. Powhatan, Newport, R. I	29.62	752.3	44	6.7	100	ssw.			2		10							foggy.
U. S. S. Quinnebaug, N. 32° 33′, E. 25° 19′	29.96	758.4	70	21.1	75	se.			3		0					mod.	e.	clear.
U. S. S. Saratoga, Lisbon, Portugal	29.79	756.7	52	11.1	66	n.			2		2?		n	light	light	sm'h		cloudy.†
U. S. S. Swatara, Matanzas, Cuba, W. I.	29.99	761.7	75	23.9	90	calm			0		2			o	o	sm'h		fair.
U. S. S. Vandalia, Matanzas, Cuba, W. I.	29.94	760.5	73	22.8	90	sw.			1		0							clear.
U. S. S. Yantic, Matanzas, Cuba, W. I	29.99	761.7	74	23.3	90	wsw.			1		2							hazy.
U. S. Navy Yard, Portsmouth, N. H*	29.55	750.6	45	7.2	92	sw.	4	1.8			10		sw.	1.6	41.			foggy.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.81	757.2	70	21.1	70	w.			1		2		w.					d. clouds.
H. M. S. Alecto, N. 5° 33′, W. 0° 04′	29.86	758.4	86	30.0		ssw.			2		5					4	ssw.	d. clouds.
H. M. S. Himalaya, N. 43° 25′, W. 9° 20′	29.80	756.9	52	11.1	60	nne.			3		2					2	nne.	d. clouds.
H. M. S. Inflexible, Corfu, Ionian Islands	29.71	754.6	66	18.9	89	ese.			3		3	ese.						d. clouds.
H. M. S. Minotaur, Malta, Mediterranean			66	18.9	76	wnw.			1		3	w.						d. clouds.
H. M. S. Tyne, N. 35° 02′, E. 18° 20′	29.84	757.9	65	18.3	89	wnw.			3		0					2	ene.	blue sky.
H. P. M. S. Douro, N. 1° 38. E. 7° 27′	29.88	759.0	84.2	29.0	85	s.			1		5		n.	o	o	1	s.	d. clouds.
S. S. British Prince, N. 41° 27′, W. 46° 25			53	11.7	81	nw.			3		10		nne.	o	o	h'vy	w.	cloudy.
S. S. Ohio, (Am) N. 39° 47′, W 51° 12′.			52	11.1	86	ne.			8		10		ne.	o	o	h'vy	ne.	overcast.
S. S. Scandinavian, Charlestown, Mass	29.59	751.6	52	11.1		sw.			2					14 h'r	14 h'r			misty.
S. S. Sardinian, N. 46° 45′, W. 39° 01′	30.21	767.3	60	15 6		se.			4				e.	6 h'r	6 h'r	sli't	se	fair.
S. S. Athos, N. 21° 42′, W. 74° 18′						sw.			2				e.	o	o	mod.	ese.	fair.
S. S. Dorian, N. 41° 10′, W. 46° 40′	29.88	758.9	51	10.6		nne.			7		10		nne.	12 h'r	12 h'r	h'vy	nne.	overcast.
S. S. California, N. 46° 58′, W. 28° 44′			62?	16.7?		var.			0–3		7		e.	o	o	sm'h	e.	cloudy.
S. S. St. Laurent, N. 47° 33′, W. 32° 00′	30.36	771.1	57.2	14		se.			3		9		sw.	o	o	r'gh	wsw.	covered.
S. S. Westphalia, N. 43° 53′, W. 41° 19′			59	15.0		sw.			3		6?		sw.	4 h'r	4 h'r	mod.	s.	covered.†
S. S. Hammonia, N. 43° 52′, W. 34° 50′	30.24	768.1	61	16.1		se.			2		2		n.	o	o	sm'h	s.	clear.
S. S. Venetian, N. 45° 30′, W. 43° 00′*	30.06	763.5	55	12.8		sse.			6		10			7 h'r	7 h'r		se.	drizzling.
S. S. Teniers, N. 50° 35′, W. 0° 16′	29.80	756.9	48.6	9.2	60	e.			4		9 ks			o	o	2		d. clouds.
S. S. Archimede, (It.) Palermo, Sicily †	29.72	754.9	74	23.3		wsw.			4		4		wsw.	1 h'r	1 h'r			fair.
S. S. Gottardo, N. 37° 19′, W. 53° 07′			60	15.6		nnw.			4		8?		nw.	3 h'r	3 h'r		nnw.	clear.†
S. S. Donau, N. 41° 02′, W. 64° 19′						se.			6		10		se.	o	o	light	se.	covered.
S. S. Strassburg, N. 19° 08′, W. 24° 11′			72	22.2	67	ne.			3–4		5		ne.	o	o	3	var.	fair.
S. S. Belgenland, N. 39° 41′, W. 61° 04′			54	12.2	93	s.			4				sw.	o	o	sm'h		clear.
S. S. Rhyniand, N. 39° 55′, W. 52° 40′*†	30.22	767.6	46	7.8	92	n.			3		8		n.	o	o	mod.	n.	cloudy.
S. S. Penniand, Antwerp, Belgium*†	29.80	756.9	50	10.0	93	n.			1		8		n.	o	o			cloudy.
S. S. Amsterdam, N. 47° 58′, W. 21° 37′*	30.27	768.8	53.2	11.8	80	n.			3		3		ne.	o	o	light	ne.	clear.
S. S. W. A. Scholten, N. 42° 18′, W. 41° 13′	29.96	761.0	59.7	15.4	100	sse.			5		10		se	19 h'r	19 h'r	2	se.	raining.
S. S. Zaandam, N. 49° 42′, W. 5° 45′	29.89	759.2	54.7	12.6	75	ene.			3		7		e.	o	o	mod	e.	cloudy.
S. S. Baltic, N. 46° 30′, W. 35° 12′ *†	30.25	768.3				s.			3		2		s.	o	o	light	s.	clear.
S. S. Salerno, N. 40° 29′, W. 65° 33′ †	30.05	763.3	47	8.3		s.			5		10		s.	0.5	13.	r'gh	se.	rain-squalls
Bg. Alcira. Maracaybo, Venezuela			81	27.2		ne.			2		3?		ese.	o	o			cloudy.†
S. S. Antonio Lopez, N. 31° 26′, W. 37° 59′	30.11	764.8	69	20.6	85	sse.			6		7			¼h'r	¼h'r	mod.	sse.	fair.
Schr. Arthur Burton, Manabo, Porto Rico, W. I†	30.07	763.8				ene.			4		4		ene.	o	o	chop	se.	fine.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W.I†	30.02	762.5	79	26.1		se.			1		3		ene.	o	o			clear.
Schr. Annie A. Holton, N. 25° 32′, W. 78° 19′			80	26.7		sse.			5		2		s.	o	o	sm'h	s.	clear.
Bk. Aureola, N. 5° 30′, W. 28° 00′			82	27.8	71	ne.			3		4			o	o	mod.	nne.	hazy.
Bk. Abbie Clifford, Port of Spain, Trinidad, W.I†	29.95	760.7	78	25.6		e.			1		2		e.	o	o			fine.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bgt. Achsah, N. 30° 32′, W. 66° 56′†.	30.15	765.8	71	21.7	.....	sse.	.....	.....	3	.....	6	.....	sse.	0	0	mod	sse.	fair.
S. Annie, Bayonne, N. J.	29.71	754.6	.....	.....	.....	sw.	.....	.....	3	.....	10	.....	.....	0	0	mod.	ne.	light rain.
Bk. Adelaide, N. 22° 35′, W. 63° 40′	.....	.....	78	25.6	.....	ene.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Abbie H. Gheen, Delaware Bay*†...	29.75	755.6	58	14.4	.....	sw.	.....	.....	2	.....	.....	.....	ene.	0	0	.....	.....	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†..	29.93	760.2	79	26.1	.....	calm	.....	.....	0	.....	2	.....	.....	½ h'r	½ h'r	long	n.	clear.
S. Cornelius, N. 21° 23′, W. 33° 15′*†.	30.19	766.8	73	22.8	.....	e.	.....	.....	4	.....	8	.....	ene.	0	0	4	sw.	cloudy.
Bk. Diamant, N. 46° 12′, W. 28° 04′	30.35	770.8	51.4	10.8	79	nne.	.....	.....	5	.....	8	.....	s.	4 h'r	4 h'r	sm'h	.....	cloudy.
S. E. J. Spicer, N. 43° 42′, W. 38° 00′	.....	.....	61	16.1	94	e.	.....	.....	1	.....	5	.....	calm	2 h'r	2 h'r	.....	.....	fair.
Schr. Edith R. Seward, N. 37° 23′, W. 77° 20′	.....	.....	58	14.4	.....	ssw.	.....	.....	1	.....	2	.....	ne.	0	0	mod.	ne.	clear.
S. Ismir, N. 20° 35′, W. 63° 00′	.....	.....	.....	.....	.....	ne.	.....	.....	5	.....	3	.....	.....	0	0	mod.	ne.	fine.
Bg. George, N. 39° 42′, W. 72° 07′	.....	.....	.....	.....	.....	wsw.	.....	.....	2	.....	10	.....	.....	rain	rain	r'gh	wsw.	foggy.
Bk. Gloire, N. 42° 40′, W. 42° 19′	29.95	760.7	60	15.6	94	se.	.....	.....	8	.....	.....	.....	sse.	24 h'r	24 h'r	r'gh	s.	raining.
S. Grecian, N. 47° —′, W. 9° 40′ †.	29.85	758.2	52	11.1	72	n.	.....	.....	1	.....	5	.....	n.	0	0	sm'h	e.	fair.
Bk. Galeon, Barbadoes, W. I†.	30.01	762.2	80	26.7	.....	ene.	.....	.....	3	.....	3	.....	ene.	0	0	.....	.....	blue sky.
S. Hedwig, N. 38° 38′, E. 11° 40′	29.75	755.6	60.3	15.7	96	wsw.	.....	.....	5	.....	5	.....	w.	c	0	3	w.	
Bk. Hattie G. McFarland, Pascagoula, Miss.	.....	.....	70	21.1	.....	w.	.....	.....	5	.....	3	.....	w.	0	0	.....	.....	fair.
S. Henry, N 37° 13′, E 12° 00′*.	29.79	756.7	61.2	16.2	.....	w.	.....	.....	2–3	.....	5 k	.....	.....	.....	.....	3	w.	hazy.
Bk. Horace Scudder, Gaboon river, Guinea.	.....	.....	83	28.3	.....	sw.	.....	.....	1	.....	8	.....	sw.	0	0	.....	.....	cloudy.
Bk. Ibis, N. 36° 30′, W. 74° 42′	.....	.....	52	11.1	.....	wsw.	.....	.....	5	.....	0	.....	.....	0	0	sm'h	.....	clear
Schr. Jennie N. Huddell, Philadelphia, Pa†.	29.70	754.4	56	13.3	.....	se.	.....	.....	1	.....	fg.	.....	.....	2 h'r	2 h'r	.....	.....	foggy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I *†.	30.00	762.0	.....	.....	.....	se.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....	hazy.
Bg. John Welsh, jr., Ponce, Porto Rico, W.I†.	30.07	763.8	.....	.....	.....	nne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	clear.
Schr. John Bird, N. 25° 16′, W. 79° 50′ *†.	29.94	760.5	.....	.....	.....	se.	.....	.....	1	.....	.....	.....	se.	0	0	sm'h	.....	fine.
Schr. Jonny Greenbank, Baracoa, Cuba, W.I*	30.02	762.5	77.5	25.3	.....	ne.	.....	.....	3	.....	4	.....	ene.	0	0	mod.	ene.	fair.
Schr. Jennie R. Morse, Darien, Ga†	29.93	760.2	.....	.....	.....	w.	.....	.....	2	.....	0	.....	.....	2 h'r	2 h'r	.....	.....	fine.
Schr. Levanter, N 5° 40′, W. 43° 05′.	29.95	760.7	84	28.9	.....	ne.	.....	.....	4	.....	2	.....	ene.	0	0	long	e.	clear.
Bkt. Levanter, N 5° 40′, W. 43° 05′.	30.24	768.1	57.0	13.9	.....	sse.	.....	.....	5	.....	8	.....	e.	0	0	hv'y	sse.	cloudy.
Bkt. Levi S. Andrews, N. 39° 40′, W. 61° 40′ *†.	.....	.....	.....	.....	.....	s.	.....	.....	5	.....	.....	.....	nw.	2 h'r	2 h'r	r'gh.	s.	rainy.
S. S. Mendoza, N. 33° 33′, W. 70° 57′.	.....	.....	.....	.....	.....	ne.	.....	.....	2	.....	6	.....	.....	rain	rain	sm'h	.....	showery.
Schr. Martinique, N. 19° 46′, W. 54° 28′ *†.	30.10	764.5	70	21.1	.....	e.	.....	.....	4	.....	2	.....	ese.	0	0	light	nne.	
Schr. Norena, N. 19° 20′, W. 65° 30′ †.	30.05	763.3	.....	.....	.....	sw.	.....	.....	3	.....	2	.....	nnw.	1¼ h'r	1¼ h'r	light	nw.	clear.
Bk. Rosalie, N. 19° 47′, W. 46° 27′*†.	30.08	764.0	.....	.....	.....	n.	.....	.....	6	.....	2	.....	n.	0	0	mod.	nw.	clear.
Bk. Rosina, N. 40° 50′, W. 9° 31′.	29.74	755.4	55	12.8	.....	n.	.....	.....	5	.....	0	.....	.....	0	0	sm'h	.....	fine.
Bkt. Rosebud, N. 13° 36′, W. 26° 39′ *.	30.02	762.5	80†	30.0†	.....	ne.	.....	.....	5	.....	.....	.....	wsw.	0	0	long	w.	fair.
S Salisbury, N. 36° 02′, W. 6° 08′.	29.78	756.3	58.6	14.8	76	wsw.	.....	.....	5	.....	6 kn	.....	.....	1½ h'r	1½ h'r	6	.....	squally.
Bk Saga, N. 45° 50′, W. 24° 50′†.	30.32	770.0	52.5	11.4	.....	.....	.....	.....	4–5	.....	5	.....	.....	2 h'r	2 h'r	mod.	ene.	fair.
Bk. Sunbeam, N. 34° 03′, W. 10° 48′†.	30.10	764.5	61	16.1	78	ne.	.....	.....	6	.....	3	.....	ne.	0	0	.....	.....	
Bg. Teneriffe, N. 28° 40′, W. 75° 32′	30.00	762.0	.....	.....	.....	s.	.....	.....	4	.....	5	.....	s.	0	0	.....	se.	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I....	30.06	763.5	77	25.0	.....	se.	.....	.....	2	.....	3	.....	calm	0	0	.....	.....	clear.
Schr. John Bracewell, Dover, N.H.	.....	.....	40	4.4	.....	ene.	.....	.....	3	.....	10	.....	ne.	14 h'r	14 h'r	.....	.....	raining.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 26° 49′, E. 10° 00′.	29.90	759.4	68	20.0	90	wsw.	15	6.7	1	.....	5	.....	w.	0	0	sm'h	.....	fair.
H. M. S. Amethyst, Montevideo, Uruguay.	29.98	761.5	50.5	13.0	84	n.	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Boudicea, Simons Bay, Cape Colony.	29.70	754.4	60	15.6	.....	wnw.	.....	.....	2–5	.....	4	.....	wnw.	.....	.....	.....	.....	showery.
Bk. Achille F., S. 31° 15′, W. 47° —′*†.	30.00	762.0	66	18.9	94	ese.	.....	.....	4	.....	9	.....	ese.	rain	rain	.....	.....	cloudy.
Bk. Bore, S. 23° 20′, W. 43° 00′*†.	30.15	765.8	84	28.9	.....	ene.	.....	.....	1	.....	1	.....	nw.	0	0	sm'h	e.	clear.
S Frank N. Thayer, S. 39° 01′, W. 3° 46′ *.	30.22	767.6	60.5	15.8	91	wsw.	.....	.....	3	.....	9 k	.....	wsw.	0	0	long	wsw.	d. clouds.
S. Gatherer. S. 44° 50′, W. 5° 40′ †.	29.04	752.8	57	13.9	100	wnw.	.....	.....	7	.....	9	.....	nw.	½ h'r	½ h'r	h'vy	ssw.	cloudy.
S. Ringleader, S. 22° 50′, W. 33° 55′†.	30.00	762.0	84	28.9	64	sse.	.....	.....	1	.....	3	.....	ese.	0	0	sm'h	.....	fine.
S. S. Archimedes, (Br) S. 24° 54′, W. 42° 14′.	30.05	763.3	.....	.....	.....	ne	.....	.....	3–4	.....	1	.....	nne.	15mi	nutes	light	nne.	fine.
Bk. Xenia, S. 34° 52′, W. 20° 30′ *†.	30.32	770.1	71	21.7	.....	n.	.....	.....	4	.....	3	.....	nw.	0	0	mod	sw.	clear.
H.P.M.S.Rainha de Portugal, Mossamedes, Benguela.	29.85	758.1	77.0	25.0	68	wsw.	.....	.....	3	.....	1	.....	.....	0	0	2	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska†.	29.82	757.4	40	4.4	82	nne.	.....	.....	1	.....	5	.....	.....	.....	.....	.....	.....	fair.
U. S. Naval Hospital, Yokohama, Japan.	30.05	763.3	59	15.0	85	calm	.....	.....	0	.....	0	.....	.....	light	light	.....	.....	clear.
U. S. S. Alert, Shanghai, China.	30.14	765.5	60	15.6	94	nne.	.....	.....	1	.....	10	.....	nne.	.....	.....	.....	.....	rainy.
U. S. S. Enterprise, N. 23° 23′, E. 117° 37′.	30.03	762.7	64	17.8	83	e.	.....	.....	4	.....	0	.....	.....	.....	.....	long	ne.	clear.
U. S. S. Essex, Jaluih, Marshall Islands, Oceania.	29.97	761.2	83	28.3	83	ne.	.....	.....	1	.....	5	.....	ne.	.....	.....	sm'h	.....	fair.
U. S. S Juniata, Fernando Island, Corea.	30.06	763.5	47	8.3	85	calm	.....	.....	0	.....	0	.....	.....	light	light	.....	.....	clear.
U. S. S. Monocacy, Canton, China.	29.97	761.2	73	22.8	85	se.	.....	.....	1	.....	5	.....	calm	0	0	.....	.....	fair.
U. S. S. Ranger, Fonseca Bay, C. A.	29.88	758.9	80	20.7	82	se.	.....	.....	2	.....	8	.....	.....	0	0	sm'h	.....	cloudy.
U. S. S. Richmond, N. 5° 20′, E. 100° 14′.	29.87	758.7	83	28.3	87	ese.	.....	.....	3	.....	5	.....	se.	0	0	sm'h	.....	fair.
H. M. S. Audacious, Hong Kong, China.	30.04	763.0	72	22.2	88	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′.	30.10	766.1	66.5	15.8	91	ssw.	.....	.....	3	.....	10	.....	ne.	.....	.....	1	.....	d. clouds.
H. M. S. Flying Fish, N. 25° 25′, E. 119° 42′.	30.09	764.3	62.2	16.8	83	ne.	.....	.....	1	.....	10	.....	nw.	.....	.....	1	.....	blue sky.
H. P. M. S. Famega, Macao, China.	29.97	761.2	75.2	24.0	83	ese.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	d. clouds
U. S. S. Palos, Shanghai, China.	30.13	765.3	55	12.8	100	nne.	.....	.....	6	.....	5	.....	.....	0	0	.....	.....	cloudy.
S. S. Newbern, N. 24° 24′, W. 109° 54′.	.....	.....	67	19.4	50	nw.	.....	.....	1	.....	10	.....	nne.	.....	.....	.....	.....	fair.
S. S. Arabic, N. 31° 44′, W. 140° 14′ *†.	30.00	762.0	66	18.9	84	ese.	.....	.....	4	.....	3	.....	nnw.	0	0	light	nw.	blue sky.
S. S. Columbia, N. 38° 06′, W. 123° 07′ *†.	29.87	758.7	52	11.1	79	nw.	.....	.....	2	.....	4	.....	ese.	0	0	light	nw.	clear.
S. S. Alameda, N. 36° 35′, W. 125° 36′†.	30.02	764.5	56	13.3	.....	nw.	.....	.....	4	.....	0	.....	.....	0	0	light	w.	cloudy.
S. S. Orizaba, N. 35° 22′, W. 121° 05′†.	29.91	759.7	53	11.7	86	nw.	.....	.....	3	.....	8	.....	nnw.	0	0	mod	wnw.	fair.
S. S. City of Pekin, N. 46° 15′, E. 173° 35′†.	29.98	761.5	36	2.2	80	wnw.	.....	.....	5	.....	2	.....	nw	0	0	mod.	w.	cloudy.
S. S. City of Rio de Janeiro, N. 30° 25′, E. 159° 40′ †.	30.33	770.4	66	18.9	.....	ese.	.....	.....	5	.....	10	.....	ese.	.....	.....	mod.	nw.	cloudy.
S. S. City of Sydney, N. 25° 42′, W. 150° 00′*†.	29.97	761.3	70	21.1	80	sw.	.....	.....	4	ck	8 n	.....	.....	.....	.....	long	nw.	cloudy.
S. S. City of Tokio, N. 37° 46′, W. 143° 07′†.	30.05	763.3	57	13.9	87	calm	.....	.....	0	.....	0	.....	.....	5 h'r	5 h'r	mod.	w.	hazy.
S. S. Colima, Acajutla, San Salvador†.	29.88	758.9	75	23.9	72	w.	.....	.....	2	.....	4	.....	w.	0	0	mod.	w.	clear.
S. S. Granada, N. 29° 26′, W. 116° 18′†.	29.96	761.0	61	16.1	71	nw.	.....	.....	2	.....	4	.....	nw.	0	0	large	nw.	cloudy.
S. S. San Blas, N. 7° 08′, W. 80° 35′†.	29.74	755.4	76	24.4	95	calm	.....	.....	0	.....	4	.....	s.	0	0	mod.	.....	cloudy.
S. S. San José, N. 34° 22′, W. 121° 06′†.	29.91	759.7	53	11.7	80	nw.	.....	.....	4	.....	7	.....	.....	.....	.....	.....	.....	fine.
S. S. Zealandia, N. 33° 19′, W. 133° 51′.	29.88	758.9	59	15.0	94	calm	.....	.....	0	.....	4	.....	nw.	7 h'r	7 h'r	mod.	nw.	fine.
S. S. Benalder, Hong Kong, China.	30.03	762.7	68	20.0	79	ene.	.....	.....	3	.....	3	.....	.....	.....	.....	.....	.....	fair.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Pisco, Peru.	30.01	762.2	67	19.4	100	calm	.....	.....	0	.....	5	.....	e.	0	0	.....	.....	fair.
U. S. S. Lackawanna, Callao, Peru.	29.87	758.7	69	20.6	95	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Onward, Callao, Peru *†.	30.00	762.0	69	20.6	95	se.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	rainy.
U. S. S. Pinta, Valparaiso, Chili.	29.79	756.7	57	13.9	81	w.	.....	.....	1	.....	10	.....	s.	.....	.....	long	w.	rainy.
U. S. S. Shenandoah, S. 52° 40′, W. 70° 10′*.	29.80	759.9	39	3.9	82	ssw.	.....	.....	6	.....	2	.....	calm	.....	.....	.....	.....	hazy.
U. S. S. Wachusetts, Valparaiso, Chili.	29.75	755.6	54	12.2	74	calm	.....	.....	0	.....	2	.....	.....	.....	.....	chop	sw.	fair.
H. M. S. Nelson, Sydney, N.S.W.	30.10	764.5	63	17.2	100	calm	.....	.....	0	.....	2	.....	calm	.....	.....	sm'h	.....	fair.
H. M. S. Sappho, Valparaiso, Chili.	29.78	756.4	53	11.7	.....	w.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	overcast.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′.	29.82	757.4	57	13.9	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Australia, Sydney, N.S.W.*	30.03	762.7	68	20.0	84	.....	.....	.....	3	.....	4	.....	ese.	0	0	cross	s.	misty.
District No. 5—Indian Ocean.																		
H S. S. Trenton, N. 5° 48′, E. 94° 05′.	29.80	758.4	81	27.2	96	s.	.....	.....	1	.....	4	.....	.....	.....	.....	sm'h	.....	clearing.
H. M. S. Euryalus, Massuah, Abyssinia.	29.73	755.1	88	31.1	84	ne	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
H. M. S. Magpie, S. 7° 15′, E. 72° 24′.	29.88	758.9	85.5	29.7	80	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Myrmidon, Suakin, Egypt.	29.83	757.7	85	29.4	86	nne.	.....	.....	2	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Bracadale, N 11° 27′ E. 53° 40′.	.....	.....	84	28.9	.....	ene.	.....	.....	2	.....	5	.....	e.	0	0	light	e.	fair.
Bk. Childwall, off Kingston N.S.W.*	30.19	766.8	58	14.4	75	sse.	.....	.....	4	.....	4	.....	s.	0	0	.....	.....	fine.
S. J. W. Gildemeister, S. 21° 11′, E. 71° 15′.	29.92	760.0	81.5	27.5	74	s.	.....	.....	1–2	e	4 k	.....	w.	0	0	2	e.	d. clouds.
Bk. Nouva Margherita, S. 16° 23′, E. 92° 11′*†.	29.88	759.9	.....	.....	.....	se.	.....	.....	4	.....	.....	.....	s.	0	0	cross	s.	fair.
S. S. Lepanto, N. 17° 30′, E. 61° 39′.	29.75	755.7	85	29.4	.....	ne.	.....	.....	1	.....	3	.....	n.	0	0	sm'h	.....	clear.

International Chart I. April 16, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.
Signal Office 14th.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 17, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.81	757.2	61.5	16.4	68	e.	.....	.....	1	.....	8	.....	.....	0.142	3.6	very cloudy	Roziere.
Algiers	.....	.....	29.75	755.6	58.3	14.6	65	wnw.	.....	.....	6	.....	8	.....	.....	0.177	4.5	very cloudy	Théve.
La Calle	.....	.....	29.71	754.5	70.9	21.6	86	nw.	.....	.....	2	.....	3	.....	.....	0.197	5.0	pretty fair...	Fonfrède.
Tunis	.....	.....	29.72	755.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.84	758.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.79	756.6	66.6	19.2	.....	nnw.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	Abraham.
Biskra	.....	.....	29.78	756.5	72.3	22.4	41	w.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.39	771.9	57.8	14.3	73	se.	8	3.6	.....	.....	3 k	.....	.....	0	0	fine.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.08	764.0	30.27	768.8	47	8.3	87	s.	5	2.2	.....	.....	1	.....	sw.	0	0	clear.....	Com. J. Shortt, R.N.
Melbourne, Victoria	30.25	768.3	30.34	770.6	55.0	12.8	84	se.	7	3.1	.....	.....	10	.....	.....	0.01	0.3	misty.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29 22	742.1	29.76	755.8	59.9	15.5	60	e.	.....	.....	2	.....	8	.....	.....	0.028	0.7	....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.02	737.6	29.79	756.7	44.2	6.8	70	n.	12.5	5.6	.....	.....	9	.....	.....	0.083	2.1	.....	Dr. Wierzbiski
Eperies	28.89	733.9	29.77	756.2	50.5	10.3	59	n.	.....	.....	2	.....	10 s	.....	.....	0.059	1.5	.....	Julius Mikolik.
Gratz	28.53	724.6	29.78	756.4	50.4	10.2	85	e.	.....	.....	1	.....	10	.....	.....	0.094	2.4	.....	Andreas Rospini.
Hermannstadt	28.30	718.9	29.68	753.8	67.1	19.5	51	wnw.	.....	.....	3	.....	5	.....	.....	0.028	0.7	....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.30	719.6	29.67	753.6	49.1	9.5	69	ene.	.....	.....	3	.....	10	.....	.....	0	0	cloudy.....	The Staff.
Lemberg	28.33	719.6	29.67	753.6	49.1	9.5	69	ene.	.....	.....	3	.....	8	.....	.....	0.126	3.2	.....	Dr. T. Stanecki.
Pola	28.78	730.9	29.76	755.8	51.1	10.6	60	nw.	.....	.....	2	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.64	752.9	29.75	755.6	65.8	18.8	76	s.	.....	.....	2	.....	5	.....	.....	0.004	0.1	.....	Joseph Midlinszky, S. J
Szegedin	29.24	742.7	29.70	754.3	57.9	14.4	62	n.	.....	.....	2	.....	5	.....	.....	0.016	0.4	.....	Karl Stancel.
Trieste	29.43	747.4	29.70	754.4	61.2	16.2	57	e.	.....	.....	1	.....	4	.....	.....	0.031	0.8	.....	Royal Academy.
Vienna	29.65	753.0	29.74	755.5	64.4	18.0	76	sw.	.....	.....	2	.....	4	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
	29.66	738.1	29.78	756.3	52.5	11.4	54	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	
BELGIAN.																			
Arlon	.....	.....	.....	.....	47.1	8.4	74	ese.	.....	.....	5	.....	3	.....	ne.	0	0	raining.....	
Brussels	29.68	753.8	29.89	759.1	40.5	4.7	71	ene.	.....	.....	6	.....	10	.....	.....	0.008	0.2	....	
Furnes	29.87	758.8	29.89	759.3	.....	.....	.....	ne.	.....	.....	4	.....	10	.....	.....	0.012	0.3	.....	
Maeseyck	29.77	756.2	29.90	759.4	41.7	5.4	74	ne.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	
BRITISH.																			
Aberdeen	30.15	765.8	30.25	768.3	41.4	5.2	63	ne.	20	8.9	.....	.....	9	.....	.....	0.030	0.8	overcast.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.09	764.3	44.6	7.0	53	ene.	28	12.5	.....	.....	5	.....	.....	.....	.....	d. clouds.....	John Hartnup.
Bolton, Sharples	29.56	750.8	30.10	764.5	43.5	6.4	54	ene.	18	8.0	.....	.....	7	.....	.....	.....	.....	d. clouds.....	Thomas Mackereth.
Bradford, Yorkshire	29.72	751.9	30.12	765.0	42.9	6.1	61	e.	.....	.....	3	.....	7	.....	.....	0.03	0.8	d. clouds.....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.94	760.5	29.97	761.2	81.0	27.2	70	e.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds.....	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	41.6	5.3	66	e.	.....	.....	3.0	.....	9	.....	.....	.....	.....	overcast.....	John McLaren.
Chatham, School M. E	29.76	755.9	29.94	760.5	41.3	5.2	74	e.	.....	.....	4	.....	10	.....	.....	blank	blank	misty.....	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.66	753.4	29.89	759.2	47.0	8.7	60	ene.	.....	.....	4	.....	5	.....	.....	.....	.....	d. clouds.....	The Staff.
Fort Napier, Natal	27.74	704.6	30.04	763.0	63.2	17.3	86	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	30.00	762.0	30.04	763.0	48	8.9	63	ne.	.....	.....	4	.....	7	.....	.....	0	0	gloomy.....	Wm. Ryan.
Gibraltar, Mediterranean	29.68	753.9	29.78	756.4	66.0	15.6	91	nw.	.....	.....	3	.....	4	.....	.....	blank	blank	d. clouds.....	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.76	756.4	29.96	761.0	44.7	7.1	70	ene.	.....	.....	5	.....	10	.....	.....	.....	.....	showery.....	The Staff.
Guernsey	29.48	748.8	29.78	756.4	46.0	7.8	84	ene.	.....	.....	4	.....	7	.....	.....	0.04	1.0	d. clouds.....	A. Collenette, F.R.M.S.
Kew, Observatory	29.93	760.2	29.97	761.2	42.3	5.7	66	e.	19	8.5	.....	.....	10	.....	.....	.....	.....	misty.....	The Staff.
Leicester, Museum	29.78	756.4	29.94	760.5	41.6	5.3	56	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	J. C. Smith.
Malta, Mediterranean	29.58	751.3	29.66	753.4	64.2	17.9	74	se.	.....	.....	3	.....	6	.....	.....	0	0	d. clouds.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.03	762.7	30.07	763.8	77.8	25.4	74	sw.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.76	755.9	29.99	761.7	42.8	6.0	59	ne.	.....	.....	5	.....	9	.....	.....	.....	.....	gloomy.....	The Staff.
Plymouth	29.81	757.2	29.88	758.9	48.8	9.3	58	ne.	.....	.....	4	.....	8	.....	.....	.....	.....	d. clouds.....	John Merrifield.
Sandwick Manse, Orkneys	30.20	767.1	30.30	769.6	40.4	4.7	69	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	snowy.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.72	754.9	29.78	756.4	64.0	17.8	70	wsw.	.....	.....	1	.....	5	.....	.....	.....	.....	misty.....	W. H. Lyne.
Sheffield	29.84	757.9	30.13	765.3	44.1	6.7	64	ne.	.....	.....	3	.....	5	.....	.....	.....	.....	d. clouds.....	W. F. Cooper.
Silloth Rectory	30.15	765.8	30.18	766.6	44.8	7.1	85	e.	.....	.....	2	.....	7	.....	.....	0	0	d. clouds.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.14	765 5	44.2	6.8	49	ene.	18	8.0	.....	.....	10	.....	.....	0	0	overcast.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	44.1	6.7	72	e.	.....	.....	3.0	.....	10	.....	.....	.....	.....	overcast.....	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	30.00	762.0	30.02	762.5	47.4	8.6	70	ne.	24	10.7	.....	.....	10	.....	.....	blank	blank	misty.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.38	746.2	29.77	756.1	66.2	19.0	63	se.	17.4	7.8	.....	9 c	0	w.	.....	0	0	misty.....	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.91	759.7	30.02	762.5	68.1	20.1	85	e.	22	9.8	.....	.....	4 k	.....	w.	0	0	d. clouds.....	The Staff.
CANADIAN.																			
Bathurst, N. B	30.00	762.0	30.04	763 0	37.0	2.8	.....	nne.	5	2.2	.....	.....	10 n	.....	.....	0.40	10.2	overcast.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.06	763.5	30.10	764.5	39	3.9	92	se.	18	8.0	.....	.....	10 n	.....	se.	0.630	16.0	cloudy.....	H. J. Cundall, C. E.
Chatham, N. B*	29.98	761.5	30.05	763.3	30	2.2	100	ne.	3	1.3	.....	.....	10 n	.....	ne.	0.91	23.1	cloudy.....	G. A. Blair.
Cornwall, Ontario	29.57	751.1	29.77	756.1	38 2	3.4	99	sw.	.....	.....	1	.....	10 s	.....	.....	0.247	6.3	overcast.....	Jas. Smith, M. A.
Dalhousie, N. B	30.01	762.2	30.00	763.5	35.0	1.7	.....	e.	.....	.....	2	.....	10 n	.....	.....	0.170	4.3	overcast.....	H. A. Johnson.
Father Point, Quebec*	29.91	759.7	29.93	760.2	39	3.9	86	calm	0	0	.....	.....	10 n	.....	se.	0.18	4.6	cloudy.....	J. McWilliams
Fort Garry, Manitoba*	29.02	737.1	29.87	758.7	35	1.7	72	se.	15	6.7	.....	.....	10 n	.....	se.	0.03	0.8	light rain...	James Stewart.
Fredericton, N. B	29.93	760.2	30.00	762.0	44.1	6.7	93	se.	7	3.1	.....	.....	fg.	.....	.....	0.950	24.1	dense fog....	Dr. Thos. Harrison.
Grand Manan, N. B	29.91	759.7	29.97	761.2	40	4.4	92	se.	2	0.9	.....	.....	fg.	.....	.....	0.95	24.1	dense fog....	J. Chipman Seeley
Granton, Ontario	28.79	731.3	29.94	760.5	31.0	— 0.6	100	nw.	9	4.0	.....	.....	10 n	.....	.....	0.20	5.1	snowing.....	Jas. Grant.
Halifax, N. S*	29.99	761.7	30.12	765.0	40	4.4	96	e.	7	3.1	.....	.....	fg.	.....	.....	1.830	46.5	light rain....	A. Allison.
Hamilton, Ontario	29.42	747.3	29.83	757.7	37.8	3.2	90	sw.	.....	.....	1	10 cs	0	sw.	.....	0.10	2.5	overcast.....	Geo. Dickson, B. A.
Kingston, Ontario*	29.50	749.3	29.85	758.2	37	2.8	92	sw.	10	4.5	.....	.....	10 n	.....	sw.	0.02	0.5	light rain....	A. P. Knight, M. A
Little Grace Bay, N. S	30.30	769.6	30.34	770.6	34.8	1.6	90	s.	.....	.....	2	.....	10 n	.....	.....	0	0	cloudy.....	C. H. Rigby.
London, Ontario	29.08	738 6	30.01	762.2	32.8	0.4	95	nw.	.....	.....	2	.....	10 n	.....	.....	0.02	0.5	overcast.....	E. B. Reed.
Medicine Hat, N. W. T	27.49	698.2	29.82	757.4	32	0.0	92	sw.	1	0.4	.....	0	0	.....	.....	0.08	2.0	blue sky.....	John Ewart.
Minnedosa, N. W. T	27.80	706.1	29.75	755.6	36	2.2	96	s.	7	3.1	.....	.....	10 n	.....	w.	0.01	0.3	threatening	Rev. J. M. Wellwood.
Montreal, Quebec*	29.64	752.8	29.85	758.2	37	2.8	92	w.	12	5.4	.....	.....	10 s	.....	w.	0.48	12.2	light rain....	C. H. McLeod, C. E.
Ottawa, Ontario	29.60	751.8	29.82	757.4	38.5	3.6	98	s	.....	.....	.....	.....	10 s	.....	.....	0.10	2.5	overcast.....	A. McGill, M. A.
Parry Sound, Ontario*	29.14	740.1	29.85	758.2	35	1.7	100	w.	7	3.1	.....	.....	10 n	.....	w.	0.21	5.3	light rain....	Rev. R. Mosley.
Peterboro, Ontario	29.07	738.4	29.82	757.4	30.7	2.6	88	sw.	.....	.....	1	.....	10 k	.....	.....	0.06	1.5	overcast.....	Wm. O'Connor, M.A.
Port Arthur	29.40	746.7	30.13	765.3	36	2.2	64	s.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.21	741.9	29.93	760.2	34	1.1	100	sw.	4	1.8	.....	.....	10 n	.....	.....	0.11	2.8	threatening	R. Morgan.
Port Stanley, Ontario	29.28	743.7	29.95	760.7	34	1.1	88	w.	12	5.4	.....	.....	10 n	.....	w.	0.09	2.3	cloudy.....	M. Payne.
Qu Appelle, N. W. T	27.55	699.8	29.88	758.9	30	— 1.1	.....	nw.	10	4.5	.....	.....	10 n	.....	calm	0.03	0.8	cloudy.....	Leslie Gordon.
Quebec, Quebec*	29.47	748.5	29.84	757.9	36	2.2	96	n.	8	3.6	.....	.....	fg.	.....	.....	0.19	4.8	dense fog....	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.32	744.7	29.78	756.4	39	3.9	92	calm	0	0	.....	.....	fg.	.....	.....	0.29	7.4	light rain....	W. H. McIntyre,
St. Andrews, N. B	29.89	759.2	29.94	760.5	39	3.9	99	se.	3	1.3	.....	.....	10 n	.....	.....	1.35	34.3	dense fog....	
St. John, N. B	29.84	757.9	29.99	761.7	45.0	7.2	100	e.	8	3.6	.....	.....	.....	.....	.....	inap.	inap.	foggy.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.35	771.0	37.4	3.0	.....	e.	.....	.....	2	.....	10 s	.....	.....	.....	.....	.....	The Commandant.
Stayner, Ontario*	29.17	740 9	29.91	759.7	33	0.6	92	nw.	13	5.8	.....	.....	10 s	.....	.....	0.21	5.3	drizzling.....	
Stratford, Ontario	28.62	726.9	29.94	760.5	32.0	0.0	97	w.	14.0	6.3	.....	.....	10 s	.....	.....	0.020	0.5	light snow...	W. McBride, A. M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers
	inch.	Mill.	inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
Canadian.—Continued.																			
Sydney, C. B*	30.27	768.8	30.33	770.4	35	1.7	79	se.	10	4.5	.....	.....	10 h.	.....	.....	0.01	0.3	cloudy	**T. C. Hill, C.E.**
Toronto, Ontario*	29.49	749 0	29.88	758.9	38	3.3	88	nw.	9	4.0	.....	.....	10 s	.....	w.	0.04	1.0	cloudy	**Magnetic Observatory.**
Woodstock, Ontario	28.86	733.0	29.96	761.0	34.1	1.2	82	w.	19.0	8.5	.....	.....	10 s	.....	.....	inap.	inap.	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.88	758.9	29.95	760.7	46	7.8	96	e.	9	4.0	.....	.....	fg	.....	.....	0.88	22.4	dense fog	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt. House	29.74	755.4	29.77	756 1	59.5	15.3	88	sw.	.....	.....	.....	.....	10 n	.....	.....	0.200	5.1	rain squall	I. Garfelt.
Cape Town, The Castle	29.93	760.2	.....	.....	61.0	16.1	88	nw.	.....	.....	.....	0	7 kn	.....	.....	0.535	13.6	.....	**Capt. R. Gardner Warton**
Springbok Fontein	27.89	708.4	.....	.....	56	13.3	67	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. P. Eustace
Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	58.1	14.5	93	n.	.....	.....	6	.....	10 n	.....	n.	0	0	cloudy	**Leon Herrera.**
Valparaiso	29.71	754 7	29.85	758.3	59.0	15.0	87	ne.	.....	.....	1	0?	0?	.....	.....	0	0	cloudy?	Paez-i-Ampuero.
Chinese (*sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.11	764.9	30.14	765.5	53.2	11.8	83	n.	4.0	1.8	.....	.....	2	.....	.....	0	0	fair	**M. Marc Dechevrens, S. J**
Danish.																			
Copenhagen	30.08	764.0	30.13	765.2	31.6	— 0.2	61	ne.	16	7	.....	.....	7	.....	.....	.....	.....	.....	**Oversergent Fischer.**
Fanöe	30.14	765.5	30.16	766.0	35.8	2.1	64	ene.	.....	.....	4	.....	3	.....	.....	.....	.....	.....	**Overloerer Lauridsen.**
Godthaab, Greenland	30.13	765.3	30.17	766.4	29.7	— 1.3	98	s.	.....	.....	4	.....	10	.....	.....	.....	.....	snowing	**S. Kleinschmidt.**
Ivigtut, Greenland	30.26	768.6	30.28	769.1	34.9	1.6	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	foggy	.....
Stykkisholm, Iceland	30.26	768.6	30.30	769.7	42.1	5.6	89	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	A. O. Thorlacius.
Thorshavn	30.31	769.9	30.34	770.5	42.3	5.7	73	nw.	9	4	.....	.....	10	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	30.11	764.7	30.15	765.9	16.7	— 8.5	.....	sw.	.....	.....	2	.....	8	.....	.....	.....	.....	snowing	.....
Vestervig	30.10	764.6	30.19	766.9	34.9	1.6	42	ene.	.....	.....	4	.....	5	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
Egyptian.																			
Cairo	29.74	755.4	.....	.....	91.4	33.	.....	sw.	3.4	1.5	.....	.....	0	.....	.....	0	0	.....	**Albert Ismaïun, Dir.**
French.																			
Agen, Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. Labroue, Director.
Alençon, Normal School	29.23	742.4	29.78	756.4	34.5	1.4	93	ne.	.....	.....	1	.....	8 n	.....	sw.	0	0	very cloudy	M. Nicot, Director.
Arras, Normal School	29.65	753.0	29.89	759.2	45.1	7.3	74	ne.	.....	.....	6	.....	5	.....	s.	0	0	cloudy	**M. Ungerer, Director.**
Avignon, Normal School	29.62	752.4	29.70	754.4	53.2	11.8	87	w.	.....	.....	1	.....	8	.....	s.	0.346	8.8	very cloudy	M. Giraud, Director.
Bar-sur-Seine	29.12	739 7	29.69	754.0	46.6	8.1	86	se.	.....	.....	1	.....	10	.....	se.	0.146	3.7	covered	**M. Saillard, Director.**
Beauvais, Normal School	29.52	749.7	29.79	756.6	47.3	8.5	57	ne.	.....	.....	4	.....	10	.....	ene.	0	0	covered	M. Frere Eugène Marie.
Besançon, Normal School	28.72	729.5	29.62	752.3	49.6	9.8	71	ne.	.....	.....	.....	.....	k	.....	s.	0.20	5.	.....	M. Gobin, Director.
Bordeaux, Observatory	29.37	745.9	29.63	752.5	52.3	11.3	79	nne.	.....	.....	1	.....	10	.....	.....	0.051	1.3	sprinkling	M. Rayet, Director.
Bourges, Normal School	29.06	738.2	29.61	752.2	46.4	8.	97	n.	.....	.....	4	.....	5	.....	n.	0	0	cloudy	M. **Sauvageot**, Director.
Brest, Naval Observatory	29.61	752.1	29.85	758.3	48.2	9.0	70	ene.	.....	.....	2	.....	10	.....	ene.	0	0	.....	M. de Kermaree, Dir.
Caen, Normal School	29.66	753.4	29.74	755.3	50.9	10.5	77	ne.	.....	.....	2	.....	8	.....	ne.	0	0	very cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.38	746 3	29.71	754.5	50.4	10.2	84	ne.	.....	.....	2	.....	10	.....	.....	0	0	covered	M. Jadot, Director.
Charleville, Normal School	29.19	741.3	29.71	754.6	49.3	9.6	57	ne.	.....	.....	6	.....	10	.....	.....	0	0	covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.25	717.6	29.60	751.7	52.9	11.6	71	nw.	.....	.....	2	.....	8	.....	s.	0.315	8.0	.....	M. Alluard, Director.
Cluny, Normal School	28.76	730.6	29.61	752.0	59.2	15.1	54	s.	.....	.....	1	.....	6	.....	s.	0.134	3.4	.....	M. de Villemontée, Dir.
Commercy, Normal School	28.85	732.8	29.69	754.1	43.7	6.5	83	ne.	.....	.....	4	.....	.....	ne.	ne.	0	0	.....	Dr. Coulet, Director.
Gap, Normal School	27.10	689.9	29.62	752.3	54.1	12.3	57	sw.	.....	.....	2	.....	8 n	.....	sw.	0	0	.....	M. Jurach, Director.
Grénasque, du Rhone	28.57	725.7	29.68	753.9	56.7	13.7	57	s.	.....	.....	2	.....	7	.....	s.	0	0	.....	M. Kina, Director.
Grenoble, Normal School	28.90	734.0	29.65	753 0	59.0	15.	66	wnw.	.....	.....	4	.....	k	.....	.....	0.240	6.1	.....	M. Ablard, Director.
Guéret, Normal School	28.05	712.5	29.62	752.3	48.9	9.4	69	ene.	.....	.....	1	.....	n.	.....	ne.	0.24	6.	.....	M. Delorme, Dir.
Lambaile Normal School	29.49	749.0	29.76	756.0	50.7	10.4	50	e.	.....	.....	2	2 c	.....	.....	e.	0	0	slightly cl'dy	**M. Poilpre, Dir.**
Lescar, Normal School	29.11	739.3	29.65	753.1	54.9	12.7	50	wnw.	.....	.....	6	.....	8 kn	.....	.....	0.453	11.5	very cloudy	M. Chauvin, Director.
Lorient, Naval Observatory	29.66	753.4	29.76	756.0	54.7	12.6	48	ne.	.....	.....	2	.....	10	.....	ne.	0	0	covered	**L. T. Carre**, Director.
Lyon, St. Genis-Laval	28.58	725.9	29.62	752.3	54.9	12.7	61	s.	.....	.....	4	.....	8 kn	.....	.....	0.102	2.6	very cloudy	M. André, Director.
Mans, Normal School	29.44	747.7	29.75	755.6	47.5	8.6	78	ne.	.....	.....	4	.....	10	.....	.....	0.051	1.3	light rain	M. Richard, Director
Marseille, Observatory	29.41	747.0	29.68	753.8	61.5	16.4	52	sse.	.....	.....	1	.....	9	.....	sse.	0.063	1.6	.....	M. Stephan, Director.
Montlouis	24.41	620.1	29.26	743.1	37.4	3.0	80	e.	7.4	3.3	.....	.....	9	e.	.....	0.197	5.0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.52	749.8	29.63	752.6	59.4	15.2	93	s.	.....	.....	2	.....	2	ssw.	.....	0.228	5.8	slightly cl'dy	M. Galzin, Director.
Nancy, Normal School	28.91	734 3	29.69	754.2	48.2	9.0	86	e.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	**M. Hasse, Director.**
Nantes, Observatory	29.60	751.7	29.76	755.8	45.9	7.7	84	nne.	.....	.....	1–2	.....	10	.....	.....	.....	.....	light rain	M. Larocque, Director.
Perpignan, Observatory	29.56	750.9	29.67	753.7	53.2	11.8	74	ne.	7.4	3.3	.....	.....	10	.....	ne.	0.335	8.5	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20 78	527.7	.....	.....	27.5	— 2.5	.....	calm	.....	.....	0	.....	8	.....	w.	0.205	5.2	very cloudy	**M. Vaussenat, Director.**
Privas, Normal School	28.62	727 0	29.68	753.8	54.0	12.2	65	se.	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.75	628.7	.....	.....	33.1	0.6	100	sw.	.....	.....	2	.....	10	.....	.....	0.311	7.9	.....	M. Alluard.
Rochefort, Naval Obs'y	29.65	753.0	29.68	753.8	58.6	14.8	50	ne.	.....	.....	1	.....	10	.....	ne.	0	0	covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.51	749.5	29.72	755 0	49.3	9.6	76	ne.	.....	.....	2	.....	.....	.....	ne.	0	0	.....	M. Brotlier, Director.
Rodez, Normal School	27 51	698.7	29.67	753.7	50.9	10.5	74	e.	.....	.....	1	.....	10	.....	ne.	.....	.....	raining	M. Seger, Director.
Rouen, Normal School	29.74	755.3	29.78	756.5	48.6	9.2	71	ne.	.....	.....	8	.....	5	.....	ne.	0	0	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.58	751.2	29.74	755.4	45.7	7.6	74	ne.	.....	.....	2	.....	10	.....	.....	0	0	covered	M. Renou, Director.
Toulouse, Observatory	29.00	736.5	29.71	754.6	58.3	14.6	52	wnw.	.....	.....	2	.....	10	nw.	.....	0.004	0.1	covered	M. Bailland, Director.
Tours	29.50	749.4	29.69	754.0	48.6	9.2	71	n.	.....	.....	1	.....	10	.....	.....	0.106	2.7	raining	M. de Tastes.
Versailles, Observatory	29.25	743.0	29.74	755.5	46.4	8.0	70	ne.	.....	.....	2	.....	.....	.....	.....	0.157	4.0	covered	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.55	750 6	29.70	754 4	52.7	11.5	77	w.	19.7	8.8	.....	.....	10 k	.....	w.	0.587	14.9	misty	M. Carlier, Director.
German.																			
Ansbach	28.33	719.6	29.80	756.8	46.0	7.8	70	ne.	.....	.....	4	.....	10	ne.	.....	0	0	.....	Prof. Jnedt.
Bamberg	28.96	735.5	29.79	756.7	46.0	7.8	56	ne.	.....	.....	3	.....	8 k	.....	n.	0	0	.....	Prof. Dr. Hoh.
Berlin	29.84	757.9	29.99	761.7	36.0	2.2	48	ne.	.....	.....	1	.....	10	.....	.....	0.008	0.2	.....	**Meteorological Institute**
Breslau	29.42	747 3	29.95	760.7	35.6	2.0	71	nne.	.....	.....	4	.....	10	.....	.....	0	0	.....	**Royal University Obs'y**
Carlsruhe	29.34	745 3	29.80	757.0	46.4	8.0	73	ne.	.....	.....	2	.....	10	ne.	.....	0.020	0.5	raining	Albert Senz.
Cassel	29.19	741.3	29.90	759 4	39.2	4.0	62	e.	.....	.....	4	.....	8	ne.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.47	748 4	29.83	757 7	51.8	11.0	50	nne.	.....	.....	2	.....	9	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.29	718.5	29.70	754.3	51.1	10.6	73	ne.	.....	.....	4	.....	9	ne.	.....	0	0	.....	**Wilhelm, Chief Tel.**
Hamburg	30.01	762.2	30.10	764.5	34.2	1.2	82	ne.	.....	.....	3	.....	10	.....	.....	0.039	1.0	snowy	E. Preller.
Kiel	30.10	764.6	30.12	765.0	34.0	1.1	69	nne.	.....	.....	3	.....	10	.....	.....	0.004	0.1	.....	Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.55	750.5	29.98	761.6	35.4	1.9	69	ne.	.....	.....	3	.....	10	ne.	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	29.81	757.1	30.00	761.9	37.4	3.0	50	ne.	.....	.....	2	.....	10	ne.	.....	0.035	0.9	.....	**Weather Observatory.**
Memel	29.85	758.1	29.89	759.3	29.7	— 1.3	100	n.	.....	.....	5	.....	10 k	.....	.....	.....	.....	.....	Issermann.
Munich	27.89	708.4	29.73	755.2	45.9	7.7	70	nw.	.....	.....	2	.....	10	w.	.....	0	0	.....	**Central Station.**
Neufahrwasser	29.98	761.4	30.00	762.1	31.3	— 0.4	94	n.	.....	.....	5	.....	8	.....	.....	0.173	4.4	.....	A. Lothes.
Neustadt, Palatinate	29.21	742.0	29.74	755.3	49.0	9.8	53	ne.	.....	.....	4	.....	10	.....	.....	0.039	1.0	.....	**Prof. Dicknether.**
Stuttgart	28.81	731.8	29.71	754.7	45.0	7.2	76	e.	.....	.....	1	.....	10	.....	.....	0.142	3.6	.....	**Dr. L. Meyer.**
Wustrow	30.06	763.5	30.08	764.1	34.5	1.4	66	nne.	.....	.....	4	.....	10	.....	.....	0	0	.....	**Profs. Brandes & Reimer**
Greek.																			
Athens	29.49	749.0	29.87	758 6	70.2	21.2	.....	s.	.....	.....	1.5	1	.....	.....	.....	0	0	.....	Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.69	754.0	29.74	755.3	83.0	28.3	79	WsW.	20.0	8.9	.....	.....	1	.....	.....	0	0	misty	
Deesa	29.25	743 0	29.71	754.6	97.1	36.2	24	W.	3.0	1.3	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.79	756.6	29.82	757.5	82.5	28.1	62	wnw.	11.0	4.9	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	27.94	709.6	29.74	755.5	91.8	33.2	15	wsw.	17.0	7.6	.....	.....	0	.....	.....	0	0	blue sky	
Trichinopoly	29.53	749.9	29.80	756 8	99.9	37.7	28	ene.	0.2	0.1	.....	.....	6	nne.	nne.	0	0	d. clouds	
Bellary	28.27	718.1	29.68	754.0	99.0	37.2	14	nne.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Belgaum	27.29	693.2	29.79	756 8	83.2	28.4	41	wsw.	10.0	4.5	.....	.....	1	.....	n.	0	0	d. clouds	
Lahore	28.97	735.8	29.70	754.2	91.6	33.1	15	n.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Roorkee	28.73	729.8	29.61	752.1	88.7	31.5	9	calm	5.0	2.2	.....	.....	8	w.	.....	0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p.sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Agra	29.10	739.3	29.65	753.1	96.1	35.6	3	w.	12.0	5.4	...	...	0	...	...	0	0	blue sky	
Nagpur	28.64	727.4	29.64	752.8	100.3	37.9	10	w.	10.0	4.5	...	...	1	w.	...	0	0	blue sky	
Jubbulpore	28.32	719.4	29.63	752.5	96.9	36.1	9	nw.	8.0	3.6	...	...	8	...	nw.	0	0	d. clouds	
Lucknow	29.29	744.0	29.66	753.2	99.4	37.4	14	calm	0	0	...	...	4	e.	...	0	0	d. clouds	
Allahabad	29.43	747.5	29.73	755.2	96.5	35.8	21	calm	0	0	...	...	7	...	...	0	0	d. clouds	
Patna	29.51	749.6	29.69	754.1	97.7	36.5	8	nw.	3.0	1.3	...	...	2	nw.	nw.	0	0	...	
Hazaribagh	27.72	704.1	29.68	753.9	89.4	31.9	13	nw.	2.0	0.9	...	...	9	...	...	0	0	d. clouds	
Cuttack	29.64	752.8	29.72	754.9	85.1	29.5	54	wnw.	5.0	2.2	...	...	9	...	...	0	0	overcast	
Calcutta, Alipore	29.71	754.6	29.73	755.2	87.0	30.6	57	ssw.	24.0	10.7	...	...	10	...	w.	0	0	gloomy	
Chittagong	29.71	754.5	29.80	756.8	82.7	28.2	76	ssw.	6.6	3.0	...	...	1	...	...	0	0	misty	
Sibsagar	29.48	748.7	29.82	757.3	77.1	25.1	68	ne.	2.0	0.9	...	...	0	...	...	0.03	0.8	blue sky	
Jeypore	28.28	718.3	29.68	753.9	93.6	34.2	12	nw.	17.3	7.7	...	...	0	...	...	0	0	blue sky	
Zanzibar	29.86	758.4	...	...	85.0	29.4	70	ese.	3.4	1.5	...	...	7	...	ssw.	...	...	d. clouds	
ITALIAN.																			
Udine	29.33	744.9	29.73	755.2	62.1	16.7	73	calm	0	0	...	...	9	...	...	0.232	5.9	...	Prof. Giovanni Clodig.
Milan	29.21	741.8	29.72	754.8	62.2	16.8	56	se.	3.8	1.7	...	...	10	se	...	0.039	1.0	...	Prof. G.V.Schiapparelli
Padua	29.61	752.0	29.71	754.7	63.1	17.3	64	nw.	3.8	1.7	...	...	10	ssw.	...	0.270	7.0	...	Prof. Dott. Lorenzoni.
Moncalieri	...	...	...	...	57.2	14.0	83	nw.	3.8	1.7	...	...	9	ese.	...	0.807	20.5	...	Prof. F. F. Denza.
Genoa	29.56	750.8	29.75	755.7	59.4	15.2	63	se.	8.7	3.9	...	...	10	s.	...	0.114	2.9	...	Prof. G. M. Garibaldi.
Pesaro	29.70	754.3	29.74	755.5	67.8	19.9	47	sw.	12.5	5.6	...	...	5	sw.	...	0	0	...	Prof. Luigi Guidi.
Florence	29.52	749.7	29.77	756.1	60.3	15.7	66	w.	...	...	2	...	10	sw.	...	0.142	3.6	...	Prof. Costantino Pittei.
Leghorn	29.58	751.4	29.67	753.5	62.8	17.1	60	ene.	1.3	0.6	...	...	10	sw.	...	0.331	8.4	...	Prof. P. Monte.
Rome	29.60	751.7	29.77	756.1	66.4	19.1	61	ssw.	12.5	5.6	...	...	7	se.	...	0	0	...	Prof. P. Tacchini.
Lecce	29.58	751.2	29.82	757.5	68.0	20.0	46	wsw.	12.5	5.6	...	...	4	w.	...	0	0	...	Prof. C. de Giorgi.
Cosenza	28.91	734.4	29.80	756.8	64.4	18.0	78	w.	2.5	1.1	...	...	3	nw.	...	0	0	...	Prof. D. Conti.
Palermo	29.50	749.3	29.75	755.6	63.3	17.4	64	ne.	8.1	3.6	...	...	10	...	...	0	0	...	Prof. G. Cacciatore
Syracuse	29.72	755.0	29.77	756.1	69.3	20.7	59	e.	6.3	2.8	...	...	10	s.	...	0	0	...	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Prof. F. Brioschi.
Stelvio	21.86	555.2	...	...	33.8	1.0	89	w.	...	...	4	...	10	...	...	0.114	2.9	covered	Prof. P. F. Denza.
Valdobbia	21.87	555.4	...	...	32.9	0.5	92	sw.	...	...	6	...	10	...	...	0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.06	763.6	30.09	764.5	41.7	5.4	70	nw.	...	...	4	0	2 k	...	w.	0	0	clear	H. Hattori.
Awomori	30.05	763.3	30.09	764.3	37.2	2.9	73	nw.	14.7	6.6	...	0	1 s	...	nw.	0	0	clear	K. Ogawa.
Hakodate	30.06	763.6	30.07	763.9	35.0	1.7	59	wsw.	22.8	10.2	...	2 c	0	...	...	0	0	clear	Y.Souma.
Hamamatsu	29.81	757.2	29.91	759.7	60.4	15.8	78	w.	...	...	4	0	2 s	...	...	0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.01	762.2	30.02	762.6	58.6	14.8	72	nne.	10.2	4.6	...	9 ck	0	w.	...	0.035	0.9	cloudy	Y. Okamoto.
Kagoshima	29.97	761.2	29.98	761.5	63.0	17.2	91	nnw.	...	...	2	0	9 s	...	...	0.028	0.7	overcast	
Kanazawa	30.00	762.1	30.11	764.8	47.5	8.6	80	ne.	11.0	4.9	...	0	3 ks	...	...	0.003	0.1	fair	S. Endo.
Kioto	29.86	758.5	30.04	762.9	51.0	10.6	72	nnw.	8.2	3.7	...	0	1 s	...	...	0.010	0.2	clear	M. Tojima.
Kochi	29.94	760.4	29.96	760.9	65.0	18.3	90	e.	2.7	1.2	...	0	9 s	...	...	0	0	overcast	K. Kusunose.
Miasaka	29.95	760.7	29.98	761.6	64.5	18.1	92	e.	...	...	1	...	10 n	...	e.	0.012	0.3	raining	K. Masusaki & T. Ishiata.
Miyako	29.87	758.8	29.98	761.6	43.0	6.1	78	e.	3.9	1.7	...	0	5 s	...	...	0	0	fair	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.80	756.9	30.00	762.0	56.9	13.8	80	nne.	6.6	2.9	...	0	3 s	...	...	0	0	clear	
Nemuro	29.90	759.5	29.95	760.7	30.5	−0.8	77	nnw.	12.0	5.4	...	...	10 n	...	...	...	...	snowing	A Shibuya.
Niigata	30.10	764.5	30.13	765.3	45.5	7.5	82	nw.	6.5	2.9	...	0	1 ks	...	nw.	0	0	fair	Satoo & Tomikawa.
Nobiru	29.99	761.7	30.00	762.1	47.1	8.4	68	nnw.	11.8	5.3	...	0	2 s	...	...	0	0	fair	Yoshino & Midzushima.
Numadzu	29.86	758.4	29.90	759.5	61.8	16.6	85	nne.	...	...	1	...	10 ks	...	...	0	0	overcast	T. Ohgi.
Osaka	30.02	762.5	30.03	762.9	52.3	11.3	78	ne.	8.8	3.9	...	0	1 s	...	...	0.030	0.7	clear	H. Omura.
Saga	29.99	761.7	30.02	762.5	55.0	12.8	89	nne.	8.1	3.6	...	0	0	...	...	0	0	clear	A. Matsuhayashi.
Sakai	30.10	764.6	30.11	764.8	51.3	10.7	78	ne.	...	...	4	...	10 ks	...	ene.	0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	29.98	761.5	30.05	763.2	32.5	0.3	68	nw.	16.9	7.5	...	...	10 n	...	...	0	0	covered	S. Kimura.
Shimonoseki	29.89	759.3	30.04	763.0	55.0	12.8	90	nnw.	...	...	1	...	10 s; ks	...	...	0.008	0.2	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.87	758.7	29.94	760.6	57.9	14.4	90	nne.	6.3	2.8	...	...	10 n; ks	...	n.	0.153	3.9	light rain	The Staff.
Wakayama	29.94	760.4	29.99	761.7	57.0	13.9	73	n.	12.9	5.8	...	0	3 ck; s	...	...	0.008	0.2	fair	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.76	755.9	29.95	760.7	79.1	26.2	68	e.	9.0	4.0	...	6 c; cs	4 kn	w.	...	0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.28	616.7	30.00	762.0	55.4	13.0	61	n.	0.9	0.4	...	8 c	1 s	...	...	0	0	cloudy	M. Leal & M. Pina
Mazatlan	29.66	753.4	29.92	760.0	65.0	18.3	76	n.	0.9	0.4	...	0	0	...	...	0	0	clear	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.95	760.7	29.95	760.7	39.6	4.2	...	ne.	...	...	5	...	...	...	...	0.016	0.4	...	
Groningen	30.02	762.6	30.08	763.9	36.7	2.0	...	e.	...	...	2	...	...	...	...	0	0	...	
Helder	30.05	763.2	30.05	763.2	38.1	3.4	...	ne.	...	...	5	...	...	...	...	0.020	0.5	...	
Hellevoetsluis	29.96	761.0	29.96	761.0	38.8	3.8	58	e.	...	...	4	...	...	...	...	0	0	...	
Utrecht	29.96	761.0	30.01	762.2	38.7	3.7	58	ene.	...	...	5	...	7	...	...	0	0	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.88	759.0	...	...	78.8	26.0	90	nne.	0.5	0.2	...	...	2	...	...	0	0	...	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.02	762.4	30.08	764.0	39.2	4.0	65	s.	4	2	...	...	10	...	...	0	0	...	
Brono	30.04	763.1	30.08	764.1	31.6	−0.2	61	ssw.	...	...	6	...	9	...	...	0	0	...	
Christiania	30.03	762.7	30.18	766.6	33.4	0.8	41	ssw.	7	3	...	...	1	...	...	0	0	...	
Gjæsvær	29.63	752.5	29.65	753.1	29.5	−1.4	...	n.	...	...	6	...	10	...	...	0.201	5.1	snowing	
PORTUGUESE.																			
Funchal, Madeira	29.91	759.7	30.00	762.0	61.0	16.1	50	wnw.	4.9	2.2	...	...	4	n.	...	0	0	...	Capt. D. A. de Cunha.
Lisbon, Observatory	29.41	746.9	29.74	755.4	53.6	12.0	67	ssw.	18.1	8.1	...	...	6	...	...	0.008	0.2	...	The Staff.
Ponta Delgada, Azores	30.06	763.5	30.13	765.3	59.7	15.4	52	n.	10.5	4.7	...	...	4	ese.	...	0	0	...	
Saint Paul de Loando	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
St. Vincent, Cape Verd Ids.	29.96	760.9	29.99	761.8	70.0	21.1	68	ene.	...	...	3	...	3	...	...	0	0	...	
San Salvador, Congo	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Serra da Estrella	24.91	632.7	29.71	754.7	35.2	1.8	75	ne.	6.3	2.8	...	...	8	...	...	0.028	0.7	...	
RUSSIAN.																			
Akmolinski	29.04	737.5	30.15	765.8	37.9	3.3	68	ene.	11	5	...	4 c	0	...	...	0	0	...	Major K. Lasarew.
Archangel	29.81	757.2	29.83	757.7	28.8	−1.8	56	s.	4	2	...	0	0	...	...	0	0	...	Capt. Sseliwerstow
Ashurada	29.98	761.4	29.88	759.0	63.0	17.2	53	n.	18	8	...	cs	4 n	...	...	0	0	light clouds	
Astrakhan	29.95	760.8	29.88	759.0	61.7	16.5	38	s.	25	11	...	0	2 s	...	...	0	0	light clouds	Capt. Wisganow.
Baku	29.93	760.1	29.88	758.9	54.9	12.7	83	s.	18	8	...	0	8 ks	...	...	...	...	...	
Barnaul	29.52	749.8	30.04	762.9	37.0	2.8	100	w.	9	4	...	...	10	...	...	0.031	0.8	...	Meteorological Office.
Bielosersk	29.32	744.8	29.81	757.1	30.7	−0.7	57	n.	7	3	...	...	10 ks	...	...	blank	blank	...	
Dorpat	29.51	749.6	29.76	756.0	28.9	−1.7	56	ne.	16	7	...	...	10 n	...	...	0.150	3.8	snowing	Rosenthal.
Ekaterinburg	29.02	737.2	30.01	762.2	37.4	3.0	37	ssw.	9	4	...	...	10	...	...	0.024	0.6	solar halo	Meteorological Obs'y.
Elissawetgrad	29.34	745.1	29.78	756.4	56.7	13.7	56	w.	7	3	...	0	8 k	...	...	0.004	0.1	...	
Kasalinsk	29.74	755.5	29.92	760.0	68.2	20.1	53	ese.	4	2	...	...	...	...	...	...	...	...	Butkewitsch.
Kasan	29.25	742.9	29.52	749.9	36.7	2.6	88	ssw.	16	7	...	...	10	...	...	0.130	3.3	light rain	Observatory.
Kem	29.83	757.6	29.88	758.9	30.7	−0.7	40	w.	13	6	...	0	1 ks	...	...	0	0	...	
Kertch	29.76	755.9	29.78	756.5	57.6	14.2	82	calm	0	0	...	...	10 n	...	...	0	0	...	Lazorio & Sastyres.
Kieff	29.07	738.4	29.71	754.5	50.0	10.0	56	wnw.	7	3	...	...	10 ks; n	...	...	blank	blank	...	Observatory.
Koslov	29.04	737.6	29.55	750.5	39.7	4.3	82	w.	9	4	...	...	10 s	...	...	blank	blank	...	
Lgov	29.15	740.5	29.79	756.6	42.3	5.7	76	e.	13	6	...	...	7	...	...	0.185	4.7	...	R. I. Saweljew, En'in'r.
Libau	29.83	757.7	29.85	758.3	28.8	−1.8	65	nnw.	22	10	...	...	10	...	...	0.177	4.5	...	E. Quass.
Lugan	29.53	750.0	29.73	755.1	57.7	14.3	66	w.	9	4	...	...	9	...	...	0	0	...	Meteorological Obs'y.
Moscow	29.09	738.8	29.58	751.3	32.0	0.0	67	ne.	2	1	...	...	10 s	...	...	0.071	1.8	...	Meteorological Obs'y.
Nertschinsk	27.74	704.6	30.13	765.4	26.8	−2.9	24	ssw.	2	1	...	...	1	...	...	0	0	...	
Nikolaiev	29.71	754.5	29.78	756.3	63.7	17.6	68	calm	0	0	...	0	0	...	...	0.035	0.9	...	Capt. Kurdakow.

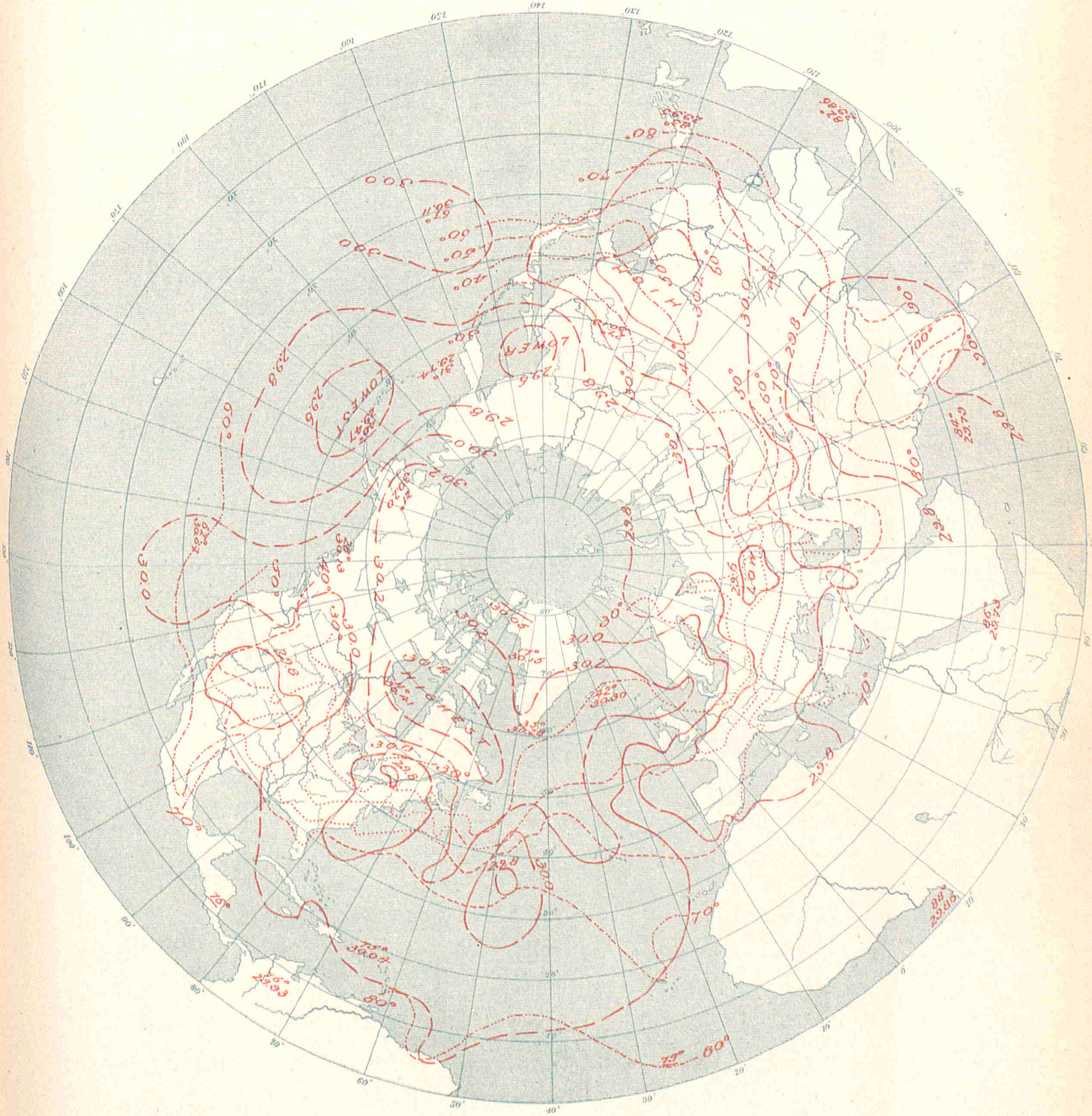
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
RUSSIAN.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.44	747.7	29.52	749.9	17.2	— 8.2	97	w.	25	11	.....	.....	10 n	.....	.....	.....	.....	snowing.....	Iwanow.
Pekin, China.....	30.17	766.3	30.31	769.9	48.4	9.1	40	se.	3.4	1.5	.....	0	2 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk.....	29.55	750.6	29.89	759.2	72.7	22.6	35	nne.	4	2	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk.....	29.73	755 1	29.94	760.4	22.1	— 5.5	51	ne.	11	5	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk.....	29.22	742.3	29.72	755.0	45.7	7.6	58	wsw.	22	10	.....	.....	10 n	.....	.....	0.047	1.2	.....	
Poti.....	29.80	756.9	29.83	757.7	67.3	19.6	71	sw.	4	2	.....	.....	10 n	.....	.....	.....	.....	raining.....	
St. Petersburg.....	29.87	758.7	29.89	759.3	22.8	— 5.1	64	ne.	11	5	.....	0	0	.....	.....	0.047	1.2	.....	Central Physical Obs'y.
Samarkand.....	27.43	696.6	29.78	756.5	74.8	23.8	34	e.	13	6	.....	.....	9 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk.....	29.42	747.2	30.10	764.5	35.4	1.9	98	calm	0	0	.....	.....	10	.....	.....	0.028	0.7	.....	Major Lasarew
Sevastopol.....	29.56	750.8	29.77	756.1	63.5	17.5	61	wsw.	16	7	.....	1 cs	0	.....	.....	0	0	.....	
Staroi Bykhov.....	29.09	738.8	29.64	752.9	47 3	8.5	51	ssw.	13	6	.....	0	8 k	.....	.....	0.087	2.2	.....	Carl Hagen.
Tashkend, Laboratory.....	28.26	717 7	29.84	757.9	78.6	25.9	32	ne.	13	6	.....	.....	8 k	.....	.....	.....	.....	light clouds	Terch, A. M.
Tiflis.....	28.37	720.7	29.72	755.1	74.1	23.4	41	se.	4	2	.....	4 c	0	.....	.....	0	0	.....	Physical Observatory
Vernoe.....	27.40	695.9	29.78	756.4	75.9	24.4	28	calm	0	0	.....	4 ck	0	.....	.....	.....	.....	.....	Larionow.
Viatka.....	28.98	736.2	29.64	752 9	22.3	— 5.4	88	e.	9	4	.....	.....	10	.....	.....	0.079	2.0	.....	
Vladivostock.....	30.10	764.6	30.17	766 3	31.3	— 0.4	42	e.	9	4	.....	.....	0	.....	.....	0	0	.....	
Warsaw.....	29.47	748 6	29.91	759.7	33.8	1.0	83	nnw.	13	6	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk.....	29.52	749.7	29.81	757.1	39.2	4.0	73	w.	2	1	.....	.....	10	.....	.....	0.039	1.0	raining.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy.....	28 97	735.8	29.49	749.0	30.0	— 1.1	67	nne.	13.0	5.8	.....	.....	10 n	.....	.....	inap.	inap.	snowing.....	Bachmetieff.
SPANISH.																			
Barcelona, Met. Obs'y.....	29.54	750 4	29.65	753.2	61.3	16.3	73	sw.	.....	.....	.....	0	8	.....	.....	0.118	3.0	misty.....	B. Jelin.
Bilbao, Met. Obs'y.....	29.64	752.8	29.70	754.3	62	16.7	59	nw.	0.9	0.4	.....	2	3	e.	.....	0.091	2.3	cloudy..	Angel de Uralde.
Burgos, Met. Obs'y.....	26.73	679.0	29.72	754.9	45.5	7.5	65	n.	4.9	2.2	.....	.....	7	.....	.....	0.189	4.8	cloudy	Domingo Martin.
Madrid, Royal Obs'y.....	27.47	697.8	29.70	754 4	51.8	11.0	58	w.	4.0	1.8	.....	.....	10	.....	.....	0.142	3.6	covered.....	The Staff.
Murcia, Met. Obs'y.....	29.53	750.0	29.69	754.0	61.3	16.3	62	nw.	4.3	1.9	.....	4	4	se.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y.....	28.74	729.9	29.61	752.2	59.4	15.2	44	calm	0	0	.....	.....	7	.....	.....	0	0	cloudy.....	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba.....	29.98	761.4	30.04	763 1	72.9	22.7	87	e.	3.8	1.7	.....	c	0	wnw.	.....	0.02	0.4	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.90	759.4	29.95	760.8	82.8	28.2	65	s.	6.6	3.0	.....	0	ks	.....	.....	0	0	clear.....	F. Faura, S. J.
San Fernando, Naval Obs'y	29.72	754.8	29.82	757.4	57.7	14.3	55	w.	8.2	3.7	.....	2	1	w.	w.	0.033	0.8	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.95	760.6	30.04	762.9	75.2	24.0	83	calm	0	0	.....	2 s	0	.....	.....	0	0	clear.....	Enrique Gadea, Chf Eng
SWEDISH.																			
Haparanda.....	29.89	759.3	29.93	760.3	27.7	— 2.4	75	w.	.....	.....	4	.....	7	.....	.....	0	0	.....	
Umea.....	30.03	762.7	30.08	764.0	34.5	1.4	62	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Hernosand.....	30.05	763.3	30.10	764 6	36.0	2.2	45	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Stockholm.....	29.90	759 5	30.08	764.0	27.3	— 2.6	42	nne.	.....	.....	7	.....	10	.....	.....	0.008	0.2	.....	
Wisby.....	29.84	757.8	29.89	759.3	28.8	— 1.8	96	n.	.....	.....	7	.....	5	.....	.....	0.008	0.2	.....	
Sub-series.																			
Upsala.....	30.01	762 2	30.10	764.4	27.5	— 2.5	48	n.	17.7	7.9	.....	.....	9	.....	nne.	0.004	0.1	.....	H.H.Hildebrandsson
SWISS																			
Geneva.....	28.26	717.8	29.69	754 1	53.4	11.9	70	n.	.....	.....	2	.....	8	.....	.....	0.244	6.2	covered..... ..	The Observatory.
TURKISH.																			
Constantinople.....	.....	.....	29.80	757.0	71.2	21.8	51	sw.	10	4.5	.....	.....	3	.....	sw.	0	0	.....	The Observatory.
Valona.....	.....	.....	29.97?	761.2?	71.1	21.7	.....	sw.	.....	.....	2	.....	5	.....	.....	0	0	½ covered...	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria.....	.....	.....	29.88	759.0	75.9	24.4	54	sw.	.....	.....	2	3 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
UNITED STATES.																			
Albany, New York.....	29.80	756.9	29.88	758.9	47	8.3	63	nw.	4	1.8	.....	.....	10 s	.....	nw.	0.10	2.5	cloudy	J. O. Barnes.
Alpena, Michigan.....	29.31	744.5	30.00	762.0	30	— 1.1	88	nw.	12	5.4	.....	.....	10 s	.....	nw.	0.05	1.3	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona.....	24.78	629.4	29.70	754 4	45.2	7.3	95	nw.	6	2.7	.....	.....	10 n	.....	.....	0.41	10.4	light rain....	J. B. Turton.
Assinnaboine, Ft., Montana	27.04	686.8	29.94	760.5	30.0	— 1.1	76	e.	4	1.8	.....	0	0	.....	.....	0	0	clear..... ...	J.J.O'Connor.
Atlanta, Georgia.....	28.89	733.8	30.08	764.0	51.0	10.6	66	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear.	S. W. Beall.
Atlantic City, New Jersey.	29.84	757.9	29.85	758.2	53.1	11.7	72	nw.	4	1.8	.....	0	3 k	.....	nw.	0	0	clear.....	B.A.Blundon.
Augusta, Georgia.....	29.88	758.9	30.07	763 8	57.3	14.1	62	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W.J.Evans.
Baltimore, Maryland.....	29.90	759.4	29.95	760.7	53.2	11.8	52	nw.	5	2.2	.....	.....	10 s	.....	nw.	0	0	cloudy.....	Geo. W. Felger.
Barnegat City, New Jersey	29.84	757.9	29.86	758.4	52.3	11.3	73	nw.	10	4.5	.....	4 ck	0	w.	.....	0.10	2.5	fair.....	J.P.Sherry.
Bennett, Fort, Dakota.....	28.17	715.5	29.81	757.2	44.9	7.2	84	se.	7	3.1	.....	5 k	5 s	se.	se.	0	0	cloudy..	A. Pritchard.
Benton, Fort, Montana	26.85	682.0	29.71	754.6	32.0	0.0	100	calm	0	0	.....	0	4 s	.....	.....	0	0	fair.....	C.S.Bennett.
Bismarck, Dakota	27.95	709.9	29.83	757.7	46.0	7.8	86	calm	0	0	.....	.....	10 n	.....	sw.	0.10	2.5	light rain....	B. O. Lenoir.
Block Island, Rhode Island	29.77	756.1	29.80	756.9	46.7	8.2	88	ne.	5	2.2	.....	0	hz.	.....	.....	0.04	1.0	clear.....	J. T. Elker.
Boise City, Idaho.....	27.04	686.8	29.88	758 9	42.0	5.6	76	nw.	1	0.4	.....	0	1 s	.....	.....	inap.	inap.	clear.....	James Kenealy.
Boston, Massachusetts.....	29.66	753.4	29.82	757.4	46 0	7.8	98	e.	4	1.8	.....	.....	10 s	.....	sw.	0.04	1.0	cloudy.....	O. B. Cole.
Brownsville, Texas.....	29.74	755.4	29.80	756.9	73.6	23.1	97	se.	8	3.6	.....	.....	10 s	.....	se.	0	0	cloudy	John McGlone.
Buffalo, New York.....	29.13	739.9	29.90	759.4	32.6	0.3	100	sw.	22	9.8	.....	.....	10 n	.....	.....	0.18	4.6	light snow..	D.Cuthbertson.
Buford, Fort, Dakota.....	27.82	706.6	29.92	760 0	33.3	0.7	87	nw.	2	0.9	.....	2 c	4 s	w.	.....	inap.	inap.	fair.....	A. Schneider.
Cairo, Illinois.....	29.72	754.9	30.14	765 5	55.0	12.8	72	e.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	W. H. Ray.
Canby, Fort, Washington Ter	29.91	759.7	30.11	764.8	47.2	8.4	76	w.	2	0.9	.....	3 ck	5 ks	.....	.....	0	0	cloudy..... ..	J.H.Young.
Cape Henry, Virginia.....	29.89	759.2	29.91	759.7	52.0	11.1	72	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	A. K. Alderson.
Cape May, New Jersey	29.84	757.9	29.87	758.7	48.7	9.3	89	nw.	12	5.4	.....	2 cs	3 s	.....	nw.	0.17	4.3	fair.....	W.E.Smith.
Cape Mendocino, California	29.36	745.7	30.05	763.3	45	7.2	83	nw.	20	8.9	.....	0	6 s	.....	nw.	0	0	fair.....	A. P. Leavitt.
Cedar Keys, Florida.....	30.02	762 5	30.04	763 0	67.5	19.7	87	w.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear.....	G. W. Davis.
Charleston, S. Carolina.....	29.92	760.0	29.98	761.5	62.0	16.7	56	w.	8	3.6	.....	8 c	0	w.	.....	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina.....	29.17	740.9	30.03	762 7	54.7	12.6	51	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	D. O'Donoghue.
Chattanooga, Tennessee..	29.28	743 7	30.11	764.8	50.0	10.0	87	n.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	B. L. Goulding.
Cheyenne, Wyoming.....	23.78	604.0	29.80	756.9	37.8	3.2	70	nw.	5	2.2	.....	0	4 s	.....	.....	0	0	fair.....	E. McGovern.
Chicago, Illinois.....	29.40	746.7	30.13	765.3	35.5	1.9	81	n.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy.....	T.B.Jennings.
Chincoteague, Virginia.....	29.88	758.9	29.90	759.4	52.3	11.3	70	nw.	19	8.5	.....	.....	10 ks	.....	nw.	0	0	cloudy.....	C. F. Dickens
Cincinnati, Ohio.....	29.44	747.8	30.11	764.8	47.8	8.8	75	w.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear.....	L.Dunne.
Cleveland, Ohio.....	29.27	743.4	30.03	762.7	36.0	2.2	89	nw.	12	5.4	.....	.....	10 s	.....	nw.	0.18	4.6	cloudy.....	W.Line.
Columbus, Ohio.....	29.19	741.4	30.06	763 5	42.5	5.8	79	w.	9	4.0	.....	.....	10 s	.....	w.	inap.	inap.	cloudy.....	F.T. williams.
Concho, Fort, Texas.....	27.92	709.2	29.86	758.4	62.2	16.8	48	se.	2	0.9	.....	.....	10 s	.....	se.	0	0	cloudy	C. E. King.
Custer, Fort, Montana.....	26.73	678.9	29.91	759.7	38.3	3 5	92	calm	0	0	.....	0	4 s	.....	.....	0	0	fair.....	W.J.Dally.
Davenport, Iowa.....	29.43	747.5	30.10	764.5	42.3	5.7	69	ne.	3	1.3	.....	3 cs	hz.	.....	.....	0	0	clear.....	R. R. Martin.
Davis, Fort, Texas.....	25.06	636.5	29.84	757.9	46.4	8.0	70	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	J. Williams.
Dayton, Washington Ty...	28.23	717.0	29.99	761.7	40.5	4.7	78	sw.	10	4.5	.....	0	0	.....	.....	0	0	clear.....	H.S.Blandford.
Deadwood, Dakota.....	25.20	640.1	29.89	759.2	39.0	3.9	89	s.	3	1.3	.....	.....	10 n	.....	.....	0.08	2.0	light rain.....	G.Kingsbury.
Delaware Breakwater, Del	29.88	758.9	29.90	759.4	50.0	10.0	86	nw	14	6.3	.....	0	4 k	.....	w.	0.03	0.8	fair.....	G.A.Martin.
Denver, Colorado.....	24.49	622.0	29.76	755.9	42.0	5.6	59	se.	3	1.3	.....	0	4 s	.....	w.	0	0	fair.....	F. M. Neal.
Des Moines, Iowa.....	29.11	739.4	30.04	763.0	45	7.2	70	se.	5	2.2	.....	7 cs	0	w.	.....	0	0	fair.....	F. W. Conrad.
Detroit, Michigan.....	29.32	744.7	30.04	763.0	30.0	2.2	69	w.	3	1.3	.....	.....	10 s	.....	w.	0.08	2.0	cloudy	N.B.Conger.
Dodge City, Kansas.....	27 08	687.8	29.72	754.9	51.6	10.9	66	s.	9	4.0	.....	0	0	.....	.....	0	0	clear.....	J.E.Lanouette.
Dubuque, Iowa.....	29.40	746.7	30.12	765.0	38	3.3	82	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	A.W.Browne.
Duluth, Minnesota.....	29.36	745.7	30.13	765.3	31.2	— 0.4	65	n.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	E.R.Brace.
Eastport, Maine.....	29.88	758.9	29.95	760.7	40.0	4.4	89	e.	1	0.4	.....	.....	fg.	.....	e	1.55	38.9	dense fog....	D. C. Murphy.
Elliott, Fort, Texas.....	27.00	685.8	29.78	756 4	53.5	11.9	66	s.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	J. C. Rickli.
El Paso, Texas.....	26.07	662 2	29.81	757.2	58.4	14.7	29	w.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	F.Belford.
Erie, Pennsylvania.....	29.24	742 7	29.99	761.7	34.9	1.6	91	w.	12	5.4	.....	.....	10 n	.....	.....	0.45	11.4	light snow..	P.Wood.
Escanaba, Michigan.....	29.39	746.5	30.08	764.0	28.9	— 1.7	73	nw.	9	4.0	.....	2 cs	0	nw.	.....	0.08	2.0	clear.....	L.M.Pindell.
Fort Smith, Arkansas.....	29.46	748.3	29.94	760.5	58.4	14.7	59	e.	6	2.7	.....	9 ck	0	s.	.....	0	0	cloudy	J. B. Campbell.
Galveston, Texas.....	29.88	758.9	29.92	760.0	70.4	21.3	86	se.	8	3.6	.....	.....	10 ks	.....	s.	0	0	cloudy.....	E. O'C. Macinerney
Grand Haven, Michigan...	29.41	747 0	30.10	764.5	35.0	1.7	69	w.	11	4.9	.....	.....	10 g	.....	w.	0.03	0.8	cloudy.....	Joseph E. Mueller.
Grant, Fort, Arizona.....	25.02	635.5	29.75	755.6	49.3	9.6	70	w.	2	0.9	.....	0	4 k	.....	w.	0	0	fair.....	Chas. A. Read.
Hatteras, North Carolina...	29.86	758.4	29.87	758.7	58.4	14.7	69	n.	20	8.9	.....	0	hz.	.....	.....	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.72	653.3	29.93	760.2	33	0.6	76	se.	3	1.3	.....	0	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	28.40	721.3	29.85	758.2	45.2	7.3	74	se.	16	7.2	.....	0	6 ks	.....	s.	inap.	inap.	fair	S. W. Glenn.
Indianapolis, Indiana	29.28	743.7	30.10	764.5	42.3	5.7	72	w.	2	0.9	.....	0	0	.....	.....	0.01	0.3	clear	C. F. R. Wappenhans.
Indianola, Texas	29.80	756.9	29.83	757.7	72.1	22.3	95	e.	14	6.3	.....	.....	10 k	.....	s.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	29.99	761.7	30.03	762.7	67.2	19.6	97	sw.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	29.39	746.5	30.06	763.5	44.6	7.0	75	e.	3	1.3	.....	0	8 k	.....	w.	0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	30.03	762.7	30.05	763.3	78.1	25.6	75	calm	0	0	.....	1 c	0	sw.	.....	0	0.	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.89	759.2	29.91	759.7	50.7	10.4	76	n.	20	8.9	.....	0	0	.....	.....	0.07	1.8	clear	Wesley Blake.
Knoxville, Tennessee	29.07	738.4	30.11	764.8	46	7.8	83	ne.	1	0.4	.....	0	0	.....	.....	inap.	inap.	clear	J. A. Cody.
La Crosse, Wisconsin	29.28	743.7	30.08	764.0	40.0	4.4	73	ne.	1	0.4	.....	0	0	.....	.....	inap.	inap.	clear	S. C. Emery.
Leavenworth, Kansas	29.05	737.9	29.96	761.0	54	12.2	67	e.	3	1.3	.....	.....	10 n	.....	.....	inap.	inap.	light rain	C. Dill.
Lewiston, Idaho	29.20	741.7	30.05	763.3	42.0	5.6	74	calm	0	0	.....	0	3 k	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.70	754.4	30.02	762.5	56.8	13.8	85	calm	0	0	.....	.....	10 ks	.....	w.	0	0	cloudy	W. U. Simons.
Los Angeles, California	29.56	750.8	29.96	761.0	49.5	9.7	93	ne.	4	1.8	.....	0	2 s	.....	.....	0.03	0.8	clear	T. S. Collins.
Louisville, Kentucky	29.54	750.3	30.11	764.8	48.0	8.9	86	calm	0	0	.....	0	sk.	.....	.....	0	0	dense smoke	E. B. Garriott.
Lynchburg, Virginia	29.27	743.4	29.98	761.5	54.5	12.5	62	w	6	2.7	.....	0	5 k	.....	w.	0	0	fair	Jno. Healy.
Mackinaw City, Michigan	29.36	745.7	30.04	763.0	31.3	— 0.4	85	nw.	8	3.6	.....	.....	10 s	.....	.....	0.10	2.5	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.91	759.7	29.92	760.0	65.0	18.3	100	n.	3	1.3	.....	.....	hz.	.....	.....	0	0	dense haze	William Daly.
Maginnis, Fort, Montana	25.45	646.4	29.95	760.7	35.4	1.9	56	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.37	746.0	30.12	765.0	29.0	— 1.7	76	nw.	6	2.7	.....	0	0	.....	.....	0.21	5.3	clear	J. Gilligan.
Memphis, Tennessee	29.72	754.9	30.06	763.5	54.0	12.2	77	e	5	2.2	.....	4 cs	sk.	nw.	.....	0	0	fair	D. T. Flannery.
Milwaukee, Wisconsin	29.35	745.5	30.12	765.0	34.9	1.6	73	nw.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	S. W. Rhode.
Mobile, Alabama	30.01	762.2	30.05	763 3	59.7	15.4	81	n.	2	0.9	.....	0	sk.	.....	.....	0	0	clear	H. U. Jones.
Montgomery, Alabama	29.84	757.9	30.07	763.8	57.0	13.9	65	n.	3	1.3	.....	0	0	.....	.....	0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.87	733.3	29.90	759.4	42.0	5.6	65	s.	16	7.2	.....	.....	10 s	.....	s.	0	0	clear	L. M. Dey.
Mt. Washington, N. H.	23.58	598.9	30.00	762.0	32.7	0.4	100	se.	42	18.8	.....	.....	fg.	.....	se.	0.19	4.8	dense fog	E. A. Beals.
Nashville, Tennessee	29.53	750.0	30.11	764.8	48.3	9.1	87	e.	1	0.4	.....	0	fg.	.....	.....	inap.	inap.	clear	L. N. Jesunofsky.
New Haven, Connecticut	29.71	754.6	29.83	757.7	53.5	11.9	71	w.	6	2.7	.....	0	4 k	.....	w.	0.08	2.0	fair	J. H. Sherman.
New London, Connecticut	29.76	755.9	29.81	757.2	52.7	11.5	83	w.	1	0.4	.....	1 ck	fg.	w.	.....	0.17	4.3	clear	J. G. Lynch.
New Orleans, Louisiana	29.95	760.7	30.01	762.2	66.8	19.3	85	e.	3	1.3	.....	3 ck	0	nw.	.....	0	0	clear	M. Herman.
New York, New York	29.68	757.9	29.86	758 4	51.8	11.0	71	w.	4	1.8	.....	0	0 s	.....	w.	0.07	1.8	cloudy	W. Finn.
Norfolk, Virginia	29.87	758.7	29.90	759.4	57.4	14.1	67	n	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	Wm. Davis.
North Platte, Nebraska	26.73	678.9	29.69	754.1	48.6	9.2	70	e.	8	3.6	.....	0	6 s	.....	.....	0	0	fair	E. F. Brady.
Olympia, Washington T'y	30.03	762.7	30.07	763.8	45.0	7.2	93	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	J. Dascomb
Omaha, Nebraska	28.69	728.7	29.90	759.4	50.0	10.0	88	se.	6	2.7	.....	0	8 ks	.....	s.	0.17	3.3	clearing	A. Pollak
Oswego, New York	29.54	750.3	29.88	758.9	41.4	5.2	68	sw.	8	3.6	.....	.....	10 s	.....	w.	0.29	7.4	cloudy	J. G. Linsley.
Palestine, Texas	29.38	746.2	29.94	760.5	57.3	14.1	79	e.	9	4.0	.....	3 ck	3 s	w.	.....	0	0	fair	P. T. Jenkins.
Pensacola, Florida	30.02	762.5	30.05	763.3	64.2	17.9	56	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	29.77	756.1	29.90	759.4	52	11.1	73	nw.	13	5.8	.....	4 c;ck	hz.	w.	.....	0	0	fair	T. F. Townsend.
Pike's Peak, Colorado	17.61	447.3	29.89	759.2	11.0	—11.7	73	w.	10	4.5	.....	3 cs	0	w.	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.16	740.7	30.00	762.0	40.0	4.4	83	w.	7	3.1	.....	.....	10 s	.....	w	0.07	1.8	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	31.7	— 0.2	93	.....	.....	.....	.....	.....	10 s	.....	.....	0	0	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.28	743.7	29.98	761.5	33.3	0.7	88	nw.	7	3.1	.....	.....	10 s	.....	.....	0.15	3.8	cloudy	M. H. Perry
Portland, Maine	29.78	756.4	29.83	757.7	43.8	6.6	88	n.	1	0.4	.....	.....	fg.	.....	.....	0.30	7.6	dense fog	W. W. Eichelberger.
Portland, Oregon	30.01	762.2	30.08	764.0	45.6	7.6	78	s.	3	1.3	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	M. L. Hearne.
Prescott, Arizona	24.47	621.5	29.74	755.4	32.8	0.4	98	calm	0	0	.....	.....	fg.	.....	.....	0.43	10.9	dense fog	J. Glover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. N. Kitchel.
Red Bluff, California	29.63	752.6	29.99	761.7	42.5	5.8	95	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	J. R. William...
Rio Grande City, Texas	29.60	751.8	29.84	757.9	76.6	24.8	83	se.	5	2.2	.....	.....	fg.	.....	se.	0	0	dense fog	L. G. Schultz.
Rochester, N. Y	29.21	741.9	29.90	759.4	35.5	1.9	87	w	14	6.3	.....	.....	10 n	.....	w.	0.01	0.3	light rain	E. W. McGann.
Roseburg, Oregon	29.55	750.6	30.11	764.8	41.3	5.2	89	nw.	1	0.4	.....	0	7 k	.....	n.	0.05	1.3	fair	J. J. Naury.
Sacramento, California	29.90	759.4	29.97	761.2	46.2	7.9	84	e.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. A. Barwick
St. Louis, Missouri	29.48	748.8	30.11	764.8	51.0	10.6	80	ne.	6	2.7	.....	6 ck	1s;sk	w.	.....	0	0	fair	J. H. Weber.
St. Michael, Fort, Alaska	30.22	767.6	30.26	768 6	21	— 6.1	91	he.	34	15.2	.....	.....	10 s	.....	n.	0	0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.16	740.7	30.04	763.0	39.0	3.9	76	se.	6	2.7	.....	0	0	.....	.....	0	0	clear	P. F Lyons.
St. Vincent, Minnesota	28.98	736.1	29.89	759.2	38.5	3.6	86	se.	10	4.5	.....	.....	10 n	.....	se.	0.02	0.5	light rain	C. B. Dilley.
Salt Lake City, Utah	25.40	645.1	29.77	756.1	37.2	2.9	58	calm	0	0	.....	0	3 k	.....	.....	0.37	9.4	clear	J. Craig.
San Diego, California	29.86	758.4	29.93	760.2	55.0	12.8	80	sw.	6	2.7	.....	.....	10 s	.....	w.	0.33	8.4	cloudy	F. R. Day.
Sandusky, Ohio	29.36	745.7	30.06	763.5	36.5	2.5	75	w.	17	7.6	.....	.....	10 ks	.....	w.	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.84	757.9	29.87	758.7	50.0	10.0	79	nw.	11	4.9	.....	8 ck	0	nw.	.....	0.17	4.3	cloudy	V. P. Chappel.
Sanford, Florida	29.96	761.0	30.01	762.2	69.4	20.8	77	sw.	5	2.2	.....	0	3 k	.....	sw.	0.09	2.3	clear	J. B. Marbury
San Francisco, California	29.91	759.7	29.98	761.5	49.5	9.7	81	s.	1	0.4	.....	0	2 s	.....	se.	0	0	clear	N. Gorom.
Savannah, Georgia	29.94	760.5	30.03	762.7	64	17.8	48	nw.	6	2.7	.....	1 c	0	w.	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.28	667.5	29.95	760.7	31.5	— 0.3	85	w.	5	2.2	.....	0	0	.....	.....	0.02	0.5	clear	A. L. Mathews
Shreveport, Louisiana	29.77	756.1	30.01	762.2	60.0	15.6	62	se.	3	1.3	.....	0	8 k	.....	s.	0	0	cloudy	E. N. Meekins.
Sitka, Alaska	30.06	763.5	30.13	765 3	28	— 2.2	48	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear	F. W. Fickett.
Smithville, North Carolina	29.90	759.4	29.94	760.5	59.5	15.3	59	n.	12	5.4	.....	0	0	.....	.....	inap.	inap.	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.88	708.1	29.94	760.5	41.0	5.0	92	s.	4	1.8	.....	0	0	.....	.....	0.01	0.3	clear	D. Moore.
Springfield, Illinois	29.43	747.5	30.13	765.3	45.5	7.5	73	w.	2	0.9	.....	2 ck	0	.....	.....	inap.	inap.	clear	W. Norrington.
Stockton, Fort, Texas	29.79	680.5	29.82	757 4	49.1	9.5	73	s.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.98	761.5	30.07	763.8	40.1	7.8	72	sw.	14	6.3	.....	0	9 ks	.....	sw.	0	0	cloudy	R. Connor.
Thomas, Camp, Arizona	27.12	688.8	29.85	758.2	49.5	9.7	83	w.	.....	.....	2	.....	10 s	.....	w.	0	0	threatening	R. C. Lord.
Toledo, Ohio	29.30	744.2	30.01	762.2	36.5	2.5	84	w.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	A. Buell.
Unalashka, Alaska	29.45	748.0	29.47	748.5	40	4.4	89	e.	16	7.2	.....	.....	10 n	.....	.....	0.01	0.3	light rain	Samuel Applegate
Vicksburg, Mississippi	29.78	756.4	30.04	763 0	59	15.0	54	e.	11	4.9	.....	0	0	.....	.....	3.78	96.0	clear	F. W. Mixer.
Washington, D. C	29.83	757.7	29.95	760.7	51.2	10.7	67	nw.	4	1.8	.....	.....	10 s	.....	nw.	0	0	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.71	653.0	29.66	753.4	41	5.0	64	sw.	5	2.2	.....	0	1 s	.....	.....	0	0	clear	F. H. Brandenburg
Wilmington, N Carolina	29.89	759.2	29.95	760.7	61.2	10.2	56	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.51	724.1	29.85	758.2	45.0	7.2	94	se.	13	5.8	.....	.....	10 k	.....	s.	0.07	1.8	cloudy	E. H. Thompson.
Yuma, Arizona	29.70	754.4	29.85	758.2	53.7	12.1	49	nw.	10	4.5	.....	0	0	.....	.....	inap.	inap.	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.72	754.9	29.74	755.4	31.2	— 0.4	.....	nw.	6	2.7	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	George Cherutick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	85	29.4	.....	ne.	.....	.....	2	1 cs	3 k	.....	ne.	0	0	fair	W. P. Jackson.
Bogota, U. S. C.	21.95	557.6	.....	.....	54.5	12.5	84	n.	2	1	.....	0	2 k	.....	.....	0.256	6.4	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.40	772.1	30.55	776.0	12	—11.1	100	ne.	18	8.0	.....	.....	10 n	.....	ne.	0.05	1.3	light snow	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.01	762.2	75	23.9	86	calm	0	0	.....	0	0	.....	.....	0	0	fine	Robert Johnston.
Paramaribo, S. A	30.00	762.0	30.00	762.0	78	25.6	69	s.	.....	.....	2	4 c	5 k	e.	e.	0	0	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.37	746.0	29.93	760.2	76	24.4	94	sw.	.....	.....	1	.....	10 k	.....	calm	1.09	27.7	foggy	Francisco J. Cisneros
Rivas, Nicaragua, C. A	29.857	758.27	30.017	762.27	76	24.4	84	ne.	.....	.....	1	10 ck	.....	e.	.....	0	0	cloudy	Earl Flint.
York Factory, B. A	30.34	770.6	30.41	772.4	—10.5	—23.6	76	nw.	13	5.8	.....	0	0	.....	.....	0	0	clear	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Alvo, Port au Prince, Hayti, W.I*	29.95	760.7	74	23.3	.....	wnw.	.....	.....	4	.....	4	.....	.....	3 h'r	3 h'r	.....	.....	fine.
S. S. Alps, N. 19° 07′, W. 75° 12′*†	30.00	762.0	82	27.8	.....	ne.	.....	.....	3	.....	2	.....	.....	o	o	chop	ne.	clear.
S. S. Bohemia, N 4° 12′, W. 69° 03′	.....	.....	.....	.....	.....	s.	.....	.....	3–6	.....	9	.....	w; s.	8 h'r	8 h'r	mod.	w;s.	rainy.
S. S. City of Washington, Vera Cruz, Mexico*†	29.90	759.4	83	28.3	.....	s.	.....	.....	3	.....	5	.....	se.	o	o	.....	.....	fine.
S. S. Canada, (Fr) N. 43° 49′, W. 40° 21′	.....	.....	62	16.7	100	sse.	.....	.....	3	.....	8	.....	sw.	o	o	mod.	wsw.	fine.
S. S. Circassian, N. 39° 45′, W. 68° 50′	29.87	758.7	58	14.4	100	s.	.....	.....	3	.....	10	.....	s.	.....	.....	3	wnw.	raining.
S. S. Cienfuegos, St Jago, Cuba, W. I	29.98	761.5	76	24.4	.....	ne.	.....	.....	1	.....	1	.....	e.	o	o	.....	.....	clear.
Bk. C. S. Bushnell, N. 39° 52′, W. 26° 46′	30.21	767.3	.....	.....	.....	nnw.	.....	.....	6	.....	10	.....	nw.	o	o	long	ne.	cloudy.
S. S. Denmark, N. 40° 54′, W. 66° 46′†	29.95	760.7	59	15.0	100	.....	.....	.....	1	.....	fg.	.....	.....	4 h'r	4 h'r	sm'h	.....	dense fog.
S. E. B. Sutton, N. 37° 15′, W. 61° 30′*†	30.13	765.3	65	18.3	84	s.	.....	.....	4	.....	7	.....	ssw.	o	o	r'gh	sw.	cloudy.
S. S. Elbe, N 49° 31′, W. 15° 13′	29.63	752.6	50.0	10.0	.....	ene.	.....	.....	5	.....	3?	.....	e.	o	o	r'gh	e	cloudy.?
S. S. Elder, Beachy Head, England*	29.91	759.8	51.8	11.0	.....	ne.	.....	.....	6	.....	6	.....	ne.	o	o	r'gh	ene.	fair.
S. S Egypt, Fastnet, Ireland†	30.09	764.3	51	10.6	.....	ne.	.....	.....	4	.....	10	.....	ene.	o	o	mod.	ne.	fair.
S. S. Fulda, N. 41° 33′, W. 60° 11′	.....	.....	56.3	13.5	94	ese.	.....	.....	6	.....	8	.....	sw.	o	o	mod.	ese.	fair.
S. S. Gellert, N. 40° 34′, W. 58° 07′	30.22	767.6	55.2	12.9	.....	e.	.....	.....	2	.....	3	.....	e.	o	o	mod.	ne.	fair.
S. S. Gallia, N. 41° 19′, W. 58° 53′	30.21	767.3	55	12.8	.....	e.	.....	.....	2	.....	5	.....	ne.	.....	.....	sm'h	.....	fine.
Bg. L. & W. Armstrong, Long Island Sound*†	29.76	755.9	.....	.....	.....	calm	.....	.....	0	.....	8	.....	var.	½ h'r	½ h'r	sm'h	.....	overcast.
S. S. Lone Star, N. 38° 14′, W. 74° 26′	.....	.....	50	10.0	.....	nw.	.....	.....	2	.....	o	.....	.....	o	o	mod.	se.	clear.
S. S Nurnberg, N. 43° 01′, W. 44° 05′	30.01	762.2	64.4	18.0	.....	sse.	.....	.....	5	.....	7	.....	.....	3 h'r	3 h'r	r'gh	sse.	foggy
S. S. Nova Scotian, N. 45° 30′, W. 51° 46′	30.38	771.6	35	1.7	.....	nne.	.....	.....	3	.....	o	.....	.....	.....	.....	mod	ne.	clear.
S. S. Nessmore. N. 40° 55′, W. 48° 01′	29.95	760.7	58	14.4	88	nne.	.....	.....	5	.....	6	.....	nne.	4 h'r	4 h'r	cross	n.	hazy.
S. S. Normandie, N. 40° 30′, W 67° 26′	.....	.....	57.2	14.	.....	calm	.....	.....	o	.....	10	.....	sw.	o	o	mod	sw.	foggy.
S. S. Orinoco, New York, N. Y †	29.86	758.4	.....	.....	.....	wnw.	.....	.....	2	.....	8	.....	wnw.	1 h'r	1 h'r	.....	.....	overcast.
S. S. Polynesian, N. 42° 13′, W. 45° 33′	29.93	760.2	63	17.2	.....	sse.	.....	.....	3	.....	6?	.....	se.	4 h'r	4 h'r	mod	s.	cloudy.?
S. S. P. Caland, N. 40° 20′, W. 60° 58′	.....	.....	53.2	11.8	.....	sse.	.....	.....	4	.....	9	.....	sse.	o	o	5	ssw.	cloudy.
S. S. Republic. N. 40° 54′, W. 63° 37′ †	30.10	764.5	.....	.....	.....	var.	.....	.....	4	.....	5	.....	w.	6 h'r	6 h'r	.....	w.	d. clouds.
S. S. Rhaetia, N. 51° 53′, E. 2° 34′	29.95	760.7	42	5.6	.....	ene.	.....	.....	6	.....	10	.....	e.	o	o	mod.	e.	cloudy.
S. S. Rhein, N. 47° 09′, W. 32° 09′	30.31	769.9	.....	.....	.....	nne.	.....	.....	5	.....	4	.....	nne.	o	o	mod.	ne.	fair.
S. S. State of Georgia, N. 40° —′, W. 69° 21′†	29.80	756.9	54	12.2	.....	se.	.....	.....	3	.....	10	.....	sw.	.....	.....	light	s.	raining.
S. S. Salier, N. 43° 29′, W. 43° 48′	30.07	763.8	.....	.....	.....	se.	.....	.....	6	.....	8	.....	s	7 h'r	7 h'r	r'gh	var.	hazy.
S. S. The Queen, N. 41° 02′, W. 52° 24′	30.10	764.5	47	8.3	.....	nne.	.....	.....	5	.....	10	.....	n.	o	o	mod	nne.	foggy.
S. S. Vaderland, N. 39° 21′, W. 70° 20′*†	29.88	758.9	53	11.7	.....	sw.	.....	.....	4	.....	7	.....	sw.	10 h'r	10 h'r	mod	s.	
S. S. Weser, N. 40° 33′, W. 60° 57′	.....	.....	55.4	13.0	.....	sse.	.....	.....	4	.....	10	.....	sw.	½ h'r	½ h'r	3	sse.	raining.
S. S. Westernland, Antwerp, Belgium	29.94	760.5	46	7.8	84	ene.	.....	.....	5	.....	9	.....	nne.	o	o	.....	.....	cloudy.
S. S. Waesland, N. 46° 34′, W. 30° 50′	30.28	769 1	53	11.7	.....	n.	.....	.....	6	.....	8	.....	n.	1 h'r	1 h'r	chop	n.	cloudy.
Bk. Alpha, N. 30° 30′, W. 80° 20′ *†	30.00	762 0	72	22.2	.....	nnw.	.....	.....	4	.....	3	.....	nw.	o	o	sm'h	.....	clear.
Schr. Adda Doane, Port Antonio, Jamaica, W.I †	30.01	762.2	.....	.....	.....	se.	.....	.....	1	.....	3	.....	ne.	o	o	.....	.....	clear.
S. S. America, N. 44° —′, W. 36° —′*	30.29	769.4	63	17.2	.....	ese.	.....	.....	2	.....	7	.....	se.	o	o	sm'h	se.	fair.
S. S. Caracas, La Guayra, Venezuela*†	29.91	759.7	78.5	25.8	80	ene.	.....	.....	3	.....	hz	.....	.....	o	o	light	nne.	hazy.
S. S. City of Merida, N. 21° 17′, W. 89° 40′	.....	.....	77.0	25.	.....	sse.	.....	.....	2	.....	2	.....	sse.	o	o	light	se.	fine.
S. S. Chalmette, New York, N. Y†	29.86	758.4	89	31.7	57	nw.	.....	.....	4	.....	5	.....	ne.	1 h'r	1 h'r	.....	.....	fair.
S. S. Elysia, N. 40° 20′, W. 54° 24′*	30.10	764.5	50	10.0	.....	n.	.....	.....	5	.....	10	.....	n.	o	o	r'gh	n.	dull.
S. S. Foscolia, N. 32° 32′ W. 49° 28′ †	29.88	758.9	68	20.0	.....	wnw.	.....	.....	5	.....	8	.....	wnw.	o	o	long	nw.	squally.
S. S. Grecian, N. 42° 20′, W. 55° 24′	30.24	768.1	40	4.4	82	ne.	.....	.....	4	.....	o	.....	.....	o	o	mod.	ne.	clear.
S. S. Hohenstaufen, N. 41° 06′, W. 63° 10′	.....	.....	64	17.8	.....	se.	.....	.....	6	.....	10	.....	se.	6 h'r	6 h'r	mod.	se.	cloudy.
S. S. Muriel, N. 22° 55′, W. 65° 27′	30.07	763.8	78	25.6	.....	ene.	.....	.....	3	.....	o	.....	.....	o	o	mod	e.	clear.
S. S. New York, N. 29° 15′, W. 79° 45′*†	30.06	763.5	76	24.4	.....	n.	.....	.....	5	.....	2	.....	n.	.....	.....	mod.	n.	clear.
S. S. Ontario, N. 42° 50′, W 62° 09′	.....	.....	44	6.7	93	ese.	.....	.....	2	.....	sk	.....	.....	6 h'r	6 h'r	high	s.	clear.
S. S. Pennsylvania, N. 49° 03′, W. 22° 15′	.....	.....	52	11.1	93	ne.	.....	.....	4	.....	4?	.....	ene.	o	o	mod.	e.	overcast?
Bk. Tros, N. 34° 35′, W 74° 32′*†	29.84	757.9	66	18.9	.....	nw.	.....	.....	3	.....	3?	.....	nw.	shr's	sh'rs	sm'h	sw.	cloudy.?
S. S. Werra, N. 40° 27′, W 66° 57′*	29.96	761.0	59.0	15.0	.....	ssw.	.....	.....	3	.....	10	.....	.....	o	o	sm'h	ssw.	covered.
U. S. S. Galena, St. Thomas, W. I *	30.01	762.2	75	23.9	77	e.	.....	.....	2	.....	5	.....	e.	.....	.....	sm'h	.....	fair.
U. S. S Jamestown, St. Kitts, W. I	30.06	763.5	77	25.0	77	ene.	.....	.....	3	.....	8	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Kearsarge, N. 34° 34′, E. 33° 06′	29.87	758 7	69	20.6	80	wsw.	.....	.....	3	.....	2	.....	calm	.....	.....	sm'h	.....	fair.
U. S. S. Lancaster, N. 34° 34′, E. 33° 06′	29.87	758.7	70	21.1	95	wsw.	.....	.....	4	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. New Hampshire, Newport, R. I	29.81	757.2	47	8.3	74	calm	.....	.....	o	.....	5	.....	.....	.....	.....	.....	.....	fair.
U. S. S. Pensacola. N. 11° 37′, W. 48° 59′ †	30.02	762.5	79	26.1	82	ne.	.....	.....	4	.....	5	.....	ne.	o	o	mod.	ne.	fair.
U. S. S. Portsmouth, N 35° 31′, W. 74° 04′	29.82	757.4	66	18.9	94	nw.	.....	.....	3	.....	2	.....	.....	.....	.....	long	sw.	clear.
U. S. S. Powhatan, Newport, R. I	29.81	757.2	47	8.3	100	calm	.....	.....	o	.....	5	.....	.....	.....	.....	.....	.....	hazy.
U. S. S. Quinnebaug, N. 31° 28′, E. 28° 40′	29.92	760.0	.....	.....	89	ene.	.....	.....	2	.....	o	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Saratoga, Lisbon, Portugal	29.76	755.9	52	11.1	86	wsw.	.....	.....	2	.....	5	.....	wsw.	o	o	sm'h	.....	fair.
U. S. S. Swatara, Matanzas, Cuba, W. I	30.02	762.5	75	23.9	90	calm	.....	.....	o	.....	2	.....	calm	o	o	sm'h	.....	clear
U. S. S. Tennessee, Key West, Fla	30.02	762.5	78	25.6	86	se.	.....	.....	1	.....	8	.....	.....	o	o	.....	.....	clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.02	762.5	75	23.9	77	ene.	.....	.....	1	.....	o	.....	.....	.....	.....	.....	.....	clear.
U. S. S Yantic, Matanzas, Cuba, W. I	30.05	763.3	73	22.8	90	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	clear.
U. S. Navy Yard, Portsmouth, N. H*	29.76	755.9	44	6.7	92	ne.	4	1.8	.....	.....	10	.....	.....	0.05	1.3	.....	.....	foggy.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	.....	.....	67	19.4	74	e.	.....	.....	2	.....	8	.....	w.	.....	.....	.....	.....	d. clouds.
H. M. S. Alecto, N. 5° 33′, W. 0° 04′	29.86	758.4	85	29.4	.....	s.	.....	.....	2	.....	7	.....	.....	.....	.....	4	ssw.	d. clouds.
H. M. S. Himalaya, N. 47° 16′, W. 6° 30′	29.74	755.4	51	10.6	72	ne.	.....	.....	4	.....	4	.....	.....	.....	.....	4	ne.	d. clouds.
H. M. S. Inflexible, Corfu, Ionian Islands	.....	.....	68	20.0	95	sse.	.....	.....	3	.....	2	sse.	.....	.....	.....	2	sse.	d. clouds.
H. M. S. Tyne, N. 33° 50′, E. 23° 10′	29.94	760.5	64	17.8	89	ese.	.....	.....	1	.....	3	calm	.....	.....	.....	.....	.....	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.86	758.4	88.2	31.2	81	calm	.....	.....	o	.....	3	.....	se.	1 h'r	1 h'r	1	se.	d. clouds.
S. S. British Prince, N. 39° 51′ W. 52° 58′	.....	.....	53	11.7	93	nne.	.....	.....	6	.....	10	.....	ne.	5 h'r	5 h'r	h'vy	ne.	misty.
S. S. Ohio (Am), N. 40° 55′, W. 47° 39′ †	29.99	761.7	59.5	15.3	97	ene.	.....	.....	3	.....	8?	.....	ene.	o	o	h'vy	e.	clear?
S. S. Sardinian, N. 49° 35′, W. 32° 38′	30.30	769.6	52	11.1	.....	nne.	.....	.....	5	.....	.....	ne.	.....	o	o	mod.	s.	fair.
S. S. Athos, N. 18° 22′, W. 74° 58′	.....	.....	.....	.....	.....	ene.	.....	.....	2	.....	5	.....	ene.	o	o	mod.	ne.	fair.
S. S. Dorian, N. 39° 05′, W. 50° 15′	29.95	760.7	62	16.7	.....	nne.	.....	.....	6	.....	8	.....	nne.	4 h'r	4 h'r	r'gh	nne.	clearing.
S. S. California, N. 45° 11′, W. 34° 32′	.....	.....	64	17.8	.....	var.	.....	.....	o–1	.....	10?	.....	sw.	rain	rain	.....	e.	fair.?
S. S. St. Laurent, N. 45° 38′, W. 38° 55′	30.24	768.1	61.7	16.5	.....	ese.	.....	.....	2	.....	.....	.....	.....	o	o	h'vy	ssw.	misty.
S. S. Westphalia, N. 41° 23′, W. 47° 53′	29.89	759.2	58	14.4	.....	nne.	.....	.....	3	.....	10	.....	sw.	o	o	cross	sw	foggy.
S. S. Hammonia, N. 45° 43′, W. 27° 01′	.....	.....	60	15.6	.....	n.	.....	.....	7	.....	6	.....	e.	1 h'r	1 h'r	mod.	e.	cloudy.
S. S. Venetian, N. 43° 00′, W. 48° 10′*	29.98	761.5	47	8.3	.....	nnw.	.....	.....	5	.....	10	.....	.....	5 h'r	5 h'r	4	n.	foggy.
S. S. Teniers, N. 49° 12′, W. 5° 23′	29.83	757.7	47.3	8.5	96	ene.	.....	.....	6	.....	10 sn	.....	.....	o	o	4	ne.	overcast.
S. S. Archimede (It), Palermo, Sicily †	29.82	757.4	68	20.0	.....	ese.	.....	.....	3	.....	3	.....	se.	2 h'r	2 h'r	.....	.....	fair.
S. S. Gottardo, N. 36° 36′, W. 48° 10′ *†	29.75	755.6	66	18.9	.....	nw.	.....	.....	6	.....	10	.....	nw.	12 h'r	12 h'r	.....	nw.	
S. S. Donau, N. 40° 12′, W. 70° 30′	29.80	756.9	.....	.....	.....	s.	.....	.....	3	.....	3	.....	w.	4 h'r	4 h'r	light	s.	fair.
S. S. Strassburg, N. 22° 42′, W. 22° 30′	.....	.....	75	23.9	52	ne.	.....	.....	2	.....	7	.....	ne.	o	o	3	ne.	cloudy.
S. S. Belgenland, N. 39° 41′, W. 67° 40′	.....	.....	55	12.8	93	ssw.	.....	.....	2	.....	.....	.....	sw.	o	o	mod.	sw.	foggy.
S. S. Rhynland, N. 40° 27′, W. 47° 24′	.....	.....	64	17.8	89	ene.	.....	.....	3	.....	8	.....	ese.	o	o	mod.	ne.	cloudy.
S. S. Pennland, Antwerp, Belgium	.....	.....	42	5.6	74	ne.	.....	.....	5	.....	9	.....	ene.	o	o	.....	.....	cloudy.
S. S. Amsterdam, N. 46° 15′, W. 27° 58′*	30.15	765.8	54.0	12.2	76	n.	.....	.....	3	.....	3	.....	n.	o	o	light	ne.	clear.
S. S. W. A. Scholten, N. 44° 49′, W. 36° 10′	30.29	769.4	59.0	15.0	89	sse.	.....	.....	4	.....	8	.....	se.	2 h'r	2 h'r	5	sse.	fair.
S. S. Zaandam, N. 50° 38′, E. 00° 20′	29.94	760.5	51.1	10.6	78	ne.	.....	.....	6	.....	8	.....	ene.	1 h'r	1 h'r	long	ene.	cloudy.
S. S. Saxon, N. 41° 13′, W. 71° 15′	.....	.....	.....	.....	.....	w.	.....	.....	1	.....	5	.....	.....	o	o	short	.....	fair.
S. S. Baltic, N. 48° 16′, W. 27° 32′*†	30.08	764.0	.....	.....	.....	nne.	.....	.....	5	.....	5	.....	ene.	sh'rs	sh'rs	r'gh	ne.	fair.
S. S. Salerno, N. 40° 30′, W. 62° 04′	30.13	765.3	48	8.9	.....	e	.....	.....	4	.....	10	.....	e.	0.5	13.	r'gh	se.	rain squalls.
Bg. Alcira, Maracaybo, Venezuela	.....	.....	82	27.8	.....	ne.	.....	.....	2	.....	o	.....	.....	o	o	.....	.....	clear.
S. S. Antonio Lopez, N. 33° 05′, W. 32° 16′	30.15	765.8	65	18.3	68	ese.	.....	.....	2	.....	7	.....	.....	o	o	mod.	ese.	fair.
Schr. Arthur Burton, Manabo, Porto Rico, W I†	30.07	763.8	.....	.....	.....	e.	.....	.....	4	.....	4	.....	ene.	o	o	chop	se.	fine.
Schr. Annie R. Lewis, Porto Plata, SanDomingo, W.I†	30.01	762.2	78	25.6	.....	se.	.....	.....	1	.....	o	.....	.....	o	o	.....	.....	clear.
Schr. Anna A. Holton, N. 25° 08′, W. 78° 41′	.....	.....	80	26.7	.....	sse.	.....	.....	1	.....	2	.....	s.	o	o	sm'h	.....	clear.
Bk. Aureola, N. 3° 16′, W. 27° 35′	.....	.....	79	26.1	86	e.	.....	.....	4	.....	7	.....	ese.	1 h'r	1 h'r	mod.	se.	cloudy
Bgt. Achsah, N. 32° 50′, W. 67° 45′ †	30.17	766.3	74	23.3	.....	ssw.	.....	.....	4	.....	10	.....	ssw.	o	o	mod.	s.	cloudy.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
S. Annie, Bayonne, N. J.	29.86	758 4				wnw.			1		3		ssw.			mod.	ene.	fair.
Bk. Adelaide, N. 24° 36′, W. 65 48′			77	25.0		e.			4		1		ese.	0	0	mod.	ene.	clear.
Schr. Abbie H. Gheen, Wilmington, Del			60	15.6		nnw.			4									cloudy.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana			80	26.7		e.			4		4		e.	0	0			smoky.
S. Cornelius, N. 20° 57′ W 35° 07′ *†	30.13	765.3	77	25.0		sse.			3		2			0	0	sm'h		fair.
Bk. Diamant, N. 46° 32′, W. 25° 12′	29.91	759.8	52.7	11.5	83	nne.			8		5?		ne.	3½ hr	3½ hr	5	ne.	cloudy.?
S. E. J. Spicer, N. 44° 13′, W. 31° 55′	30.26	768.6	58	14.4	94	ne.			3		10		n.			mod.	ese.	misty.
S. Ismir, N. 21° 56′, W. 65° 06′						ese.			4		3		e.	0	0	mod.	ne.	fine.
Bg. George, N. 40° 10′, W. 72° 00′ *†	29.85	758.2				nw.			2		8			0	0	mod.	s.	cloudy.
Bg. Gloire, N. 43 28′, W. 41° 45′	30.14	765.5	60	15.6	94	ese.			2				sse.	12 h'r	12 h'r	short	ssw.	cloudy.
S. Grecian, N 48° —′, W. 9° 40′†	29.77	756.1	51	10.6	72	ne.			6		9		ne.	0	0	sm'h	ne.	cloudy.
Bk. Galeon, Barbadoes, W. I†	29.99	761.7	80	26.7		ene.			2		2		ene.	0	0			blue sky.
S. Hedwig, N 38° 41′ E. 10° 41′	29.72	755.0	64.2	17.9	97	se.			4		2		se.	0	0	3	w.	hazy.
Bk. Hattie G. McFarland, Pascagoula, Miss			70	21.1		e.			5		2		e.	0	0			fair.
S Henry, N. 37° 31′, E. 10° 13′			62.6	17.0		e.			6	9 ck						3	se.	hazy.
Bk. Horace Scudder, Gaboon river, Guinea			86	30.0		w.			1		5		se.	1 h'r	1 h'r			fair.
Bk. Ibis, N. 35° 18′, W. 74° 05′			62	16.7		s.			2		3		s.	0	0	sm'h		flue.
Schr. Jennie N. Huddell, Fort Delaware, Del†	29.93	760.2	50	10.0		w.			1		5		sw.	0	0			fair.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.02	762.5				se			2		0			0	0			clear.
Bg. John Welsh, Jr., N. 17° 50′, W. 66° 39′†	30.05	763.3				nne.			3		0					sm'h	se.	clear.
Schr. John Bird, N. 28° 07′ W. 79° 22′ *†	30.01	762.2				nnw.			1		5		nw.	0	0	short	se	fine.
Schr. Jenny Greenbank, Baracoa, Cuba, W.I*	30.02	762.5	76	24.4		ne.			1		4		ene.	0	0	mod.	ene.	fair.
Schr. Jenny R Morse, Darien, Ga †	30.03	762.7				n.			2		0			0	0			clear.
Bkt. Levanter, N. 8° 35′, W. 46° 03′	29.98	761.5	83	28.3		ne.			4		2		ne.	0	0	long	ne.	clear.
Bkt. Levi S. Andrews, N. 39° 25′, W. 61° 10′*†	30.02	762.5	61.0	16.1		sse.			4		10		sw.	3 h'r	3 h'r	h'vy	sse.	rainy.
S. S. Mendoza, N. 36° 06′, W. 72° 00′†	29.90	759.4				sw.			4				nw.	0	0	mod.	sw.	clear.
Schr. Martinique, N. 17° 50′, W. 54° 51′*†	30.15	765.8				nne.			3		10			0	0	sm'h		fine.
Schr. Norena, Ponce, Porto Rico, W.I†	30.00	762.0				nne.			1		1		ene.	0	0	light	sse.	
Bk. Rosalie, N. 19° 49′, W. 47 18′ *†	30.05	763.3				nnw.			3		3		n.	50 minutes		light	nw.	clear.
Bk. Rosina, N. 38° 51′, W. 12° 01′	29.78	756.4	58	14.4		w.			2		8		w.	2 h'r	2 h'r	mod.	nw.	
Bkt. Rosebud, N. 10° 59′, W. 26° 41′ *	29.95	760.7	80	26.7		nne.			4		0			0	0	sm'h		fine.
S. Salisbury, N. 36° 01′, W. 3° 00′	29.70	754 4	60.4	15.8	73	W.			6	4 k			w.	½ h'r	½ h'r	long	w.	clear.
Bk. Saga, N. 40° 03′, W 22° 40′†	29.92	760.0	53	11.7					5–7		6			7 h'r	7 h'r	7		fair.
Bk. Sunbeam, N. 32° 05′, W. 19° 11′ †	30.02	762.5	66	15.6	88	n.			4		10		n.	1 h'r	1 h'r	sm'h		cloudy
Bg. Teneriffe, N 28° 25′, W. 74° 15′.	30.02	762.5				ssw.			3		6		ssw.	c	o		s.	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†...	30.09	764.3	76	24.4		se.			1		1		calm	0	0			clear.
Bk. Winifred, N. 36° 15′, W. 73° 08′*†	29.80	756.9												0	0		nw.	
Schr. John Bracewell, Dover, N. H.			41	5.0		ne.			4		10		ne.	12 h'r	12 h'r			raining.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 25° 15′, E. 7° 32′	29.94	760.5	70	21.1	75	sse.	15	6.7			10		sse.	0	0	long	s.	cloudy.
H. M. S. Amethyst, Montevideo, Uruguay	30.00	762.0	59	15.0	88	calm			0		7	se.						misty.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.98	761.5	63	17.2		wsw.			1–5		3	wsw.						showery.
H. M. S. Sylvia, S. 35° 33′, E. 11° 35′	30.13	765.3	62.5	16.9	75	ssw.			4		8	nne.				4	wsw.	d clouds.
Bk. Achille F., S. 32° —′, W. 48° —′*†	30.13	765.3	72	22.2	78	ne.			4		7		ne.	0	0		s.	fine.
Bk. Bore, Rio de Janeiro, Brazil *†	30.21	767.3	82	27.8														
S. Frank N. Thayer, S. 39° 20′, W. 1° 10′ *	30.21	767.3	58	14.4	94	W.			3		10		w.	0	0	mod	wsw.	d. clou
S. Gatherer, S. 44° 30′, W. 53° 50′†	29.94	760.5	48	8.9	100	ssw.			5		5		sw.	½ h'r	½ h'r	r'gh	ssw.	fair.
S. Ringleader. S. 23° 50′, W. 34° 15′ †	29.96	761.0	83	28.3	67	se.			2		3		se.	0	0	sm'h		clear.
S. S. Archimedes, (Br) S. 22° 25′, W. 40° 03′	30.04	763 0				sse.			1–2		3		e.	0	0	light	ese.	fine.
Bk. Xenia, S 36° 32′, W. 17° 20′ *†	30.27	768.8	69	20.6		nnw.			5		0			0	0	mod.	wsw.	clear.
H. P. M S Rainha de Portugal, Mossamedes, Benguela	29.83	757.7	76.6	24.8	69	wnw.			3		1					2		blue sky.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	29.88	758.9	58	14.4	94	n.			2		10		n.	0.09	2.3			raining.
U. S. S. Alert, Shanghai, China	30.19	769.8	58	14.4	82	ne.			2		0							clear.
U. S. S. Enterprise, Hong Kong, China	30.03	762.7	69	20.6	83	se.			3		0							clear.
U. S. S. Essex, Jaluit, Marshall Ids., Oceania	29.97	761.2	83	28.3	75	ne.			2		8		ne.					fair.
U. S. S. Juniata, Fernande Island, Corea	30.10	764.5	51	10.6	79	nw.			5		0			0	0	mod.	nw.	clear.
U. S. S. Monocacy, Canton, China	30.00	762.0	73	22.8	81	e.			1		10			0	0			cloudy
U. S. S. Ranger, Fonseca Bay, C. A	29.92	760.0	78	25.6	86	e.			1–2		2			0	0	sm'h		fair.
U. S. S. Richmond, N 2° 35′, E. 105° 00′	29.80	758.4	82	27.8	91	ese.			2		2		se.	0	0	sm'h		clear.
H.M.S. Audacious, Hong Kong, China	30.05	763.3	73	22.2	84	e.			1		2							blue sky.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.16	766.1	62.5?	16.9?	80	n.			2		2					1		blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.08	764.0	61.7	16.5	82	nne.			2		6		sw.			1		misty.
H. P. M S. Tamega, Macao, China	30.10?	764.5?	75.2	24.0	75	e			5		3?			0	0			overcast.?
U. S. S. Palos, Shanghai, China	30.13	765.3	55	12.8	93	ne.			2		0							clear
S. S. Newbern, N. 20° 52′, W 110° 44′			67	19.4	46	nw.			2		4		nw.	0	0	light	nnw.	clear.
S. S. Arabic, N. 33° 43′, W 135° 39′*†	30.07	763.8	62	16.7	83	sse.			5		4		se.	0	0	sm'h		misty.
S. S. City of Chester, near Pt. Arena, Cal†	30.02	762.5	49	9.4	71	nw.			6		0			0	0	high	nw.	
S. S. Willamette, N. 39° 05′, W. 123° 55′†	30.02	762.5	49	9.4	78	nnw.			4		2		nnw.	0	0	mod.	nnw.	clear.
S. S. Alameda, N. 34° 21′, W. 131° 15′†	30.19	766.8	55	12.8		var.			3		2?		wsw.	0	0	light	w.	overcast.?
S. S. Orizaba, N. 33° 47′, W. 118 34′†	29.95	760.7	55	12.8	87	ese.			2		2		se.	0	0	mod.	wsw.	fair.
S. S. State of California, N. 40° 20′, W. 124° 30 †	30.03	762.7	50	10.0	79	nw.			4		0			0	0	short	nw.	clear.
S. S. City of Pekin, N. 47° 16′ W. 178° 46′†	29.59	751.6	34	1.1	79	W.			7		5		wnw.	0	0	r'gh	w.	fair.
S. S. City of Rio de Janeiro, N. 30° 25′, E. 155° 15′ †.	30.11	764.8	67	19.4		ese.			4		10		ese.			small	e.	cloudy.
S. S. City of Sydney, N. 28° 25′, W. 144° 52′*†	29.86	758.4	64	17.8	83	nw.			4	2 ck						mod.	nw.	clear.
S. S. City of Tokio, N. 37° 46′, W. 148° 49′†	29.80	759.9	57	13.9	81	sw.			5		0			3 h'r	3 h'r	mod.	sw.	fair.
S. S. Colima, La Libertad, San Salvador†	29.93	760.2	82	27.8	67	ne.			2		7		ne.	0	0	mod.	sw.	cloudy.
S. S. Granada, N. 32° 58′, W. 118° 00′†	29.94	760.5	57	13.9	75	nw.			1		5		ne,	0	0	mod.	w.	fair.
S. S. San Blas, N. 9° 06′, W. 84° 50			81	27.2	90	nne.			5		1		ne.	0	0	mod	nw.	clear.
S. S. San José, N. 31° 05′, W. 118° 17′ †	29.97	761.2	54	12.2	87	wnw.			4		5		nw.					fine.
S. S. Zealandia, N. 31° 12′, W. 138° 46′	29.98	761.5	65	18.3	84	ssw.			4		9		s.	0	0			cloudy.
S. S. Benalder, Hong Kong, China	30.03	762.7	70	21.1	75	e.			3		0					sm'h		clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, S. 12° 35′, W. 77° 06′	29.91	759.7	72	22.2	90	ene.			1		5							fair.
U. S. S. Lackawanna, Callao, Peru	29.95	760 7	71	21.7	90	sse.			2		8							cloudy.
U. S. S. Onward, Callao, Peru*†	30.01	762.2	70	21.1	100	sse.			3		10		se.			long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.91	759.7	59	15.0	88	ene.			1		10		calm					cloudy.
U. S. S. Shenandoah, S. 53° 11′, W. 70° 54′ *	30.29	709 4	37	2.8	81	ssw.			1		0					sm'h		hazy.
U. S. S. Wachusetts, Valparaiso, Chili	29.91	759 7	59	15.0	88	ne.			1		8		calm			sm'h		cloudy.
H. M. S. Nelson, Sydney, N.S.W.	30.08	764.0	67	19.4	95	s.			1		10							overcast.
H. M. S. Sappho, Valparaiso, Chili	29.87	758.7	60	15.0	94	ne.			1		2		n.			1	nw.	blue sky.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.95	760.7	61	16.1		calm			0		10							misty.
S. S. Australia, Sydney, N.S.W*	30.08	764.0	70	21.1	90				3		2		s.	0	0			
District No. 5—Indian Ocean.																		
U. S. S. Trenton, N. 5° 11′, E. 97° 57′	29.88	758.9	84	28.9	91	nnw.			3		2		n.			sm'h		clear.
H. M. S. Euryalus, Massuah, Abyssinia	29.73	755.1	86	30.0	90	ne.			1		4	calm						d clouds.
H. M. S. Magpie, S 7° 14′, E. 71° 30′	29.85	758.2	84.0	28.9	70	sw.			1		3	wsw.				3	sse.	blue sky.
H. M. S. Myrmidon, Suakin, Egypt						ne.			1		0							blue sky.
S. S. Bracadale, N. 10° 15′, E. 57° 30′			87	30.6		e			3		0			0	0	sm'h		clear.
Bk. Childwall, off Kingston, N.S.W*	30.20	767.1	57	13.9	75	nw.			1		7		nw.	0	0			flue.
S. J. W. Gildemeister, S. 21° 19′, E. 70° 24′	29.92	760.0	80.6	27	74	s.			4		2 k		se.	0	0	3	ese.	d. clouds.
Bk. Nouva Margherita, S. 17° 33′, E. 89° 30′*†	29.87	758.7				se.			2–3				se.	0	0		s.	fair.
S. S. Lepanto, N. 17° 57′ E. 65° 45′	29.79	756.7	84	28.9		nw.			3–4				n.	0	0	sm'h		clear.
									1		4							

International Chart I. April 17, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 18, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.79	756.7	66.9	19.4	68	e	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	29.72	754.8	63.3	17.4	68	wsw.	.....	.....	6	.....	0	.....	.....	0.047	1.2	clear	Thève.
La Calle	.....	.....	29.65	753.0	61.5	16.4	75	nw.	.....	.....	5	.....	4	.....	.....	0.083	2.1	cloudy	Fonfrède.
Tunis	.....	.....	29.67	753.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.83	757.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.77	756.1	63.0	17.2	.....	n.	.....	.....	4	.....	0	.....	.....	0	0	clear	Abrahams.
Biskra	.....	.....	29.75	755.7	69.4	20.8	44	w.	.....	.....	2	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.44	773.2	51.7	10.9	80	sse.	3	1.3	.....	.....	0	.....	.....	0.092	2.3	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.21	767.3	30.40	772.1	48	8.9	80	w.	5	2.2	.....	.....	2	.....	wnw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.27	768.8	30.36	771.1	54.5	12.5	68	sse.	10	4.5	.....	.....	10	.....	.....	0	0	dull	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.10	739.1	29.63	752.7	62.2	16.8	58	e.	.....	.....	3	.....	10	.....	.....	0.551	14.0	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.13	739.9	29.93	760.1	35.2	1.8	67	e.	11.2	5.0	.....	.....	10	.....	...	0.142	3.6	.....	Dr. Wierzbiski
Eperies	28.98	736.1	29.89	759.2	36.1	2.3	77	n.	.....	.....	4	.....	10 s	.....	s.	0.087	2.2	.....	Julius Mikolik.
Gratz	28.49	723.6	29.74	755 5	48.4	9.1	75	e.	.....	.....	2	.....	10	.....	.....	0	0	...	Andreas Rospini.
Hermannstadt	28.30	718.7	29.66	753.4	69.4	20.8	50	s.	.....	.....	4	.....	8	.....	.....	0.047	1.2	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.34	719.9	29.72	755.0	35.1	1.7	88	e.	.....	.....	5	.....	10	.....	.....	0.098	2.5	raining	The Staff.
Lemberg	28.93	734.7	29.96	760.9	32.4	0.2	85	e.	.....	.....	2	.....	10	.....	.....	0.063	1.6	snowing	Dr. T. Stanecki.
Pola	29.36	745.8	29.47	748.6	61.3	16.3	70	ese.	.....	.....	6	.....	10	.....	.....	0.063	1.6	raining	I. R. Hydrographic Office.
Szathmar	29.21	741.9	29.66	753.3	66.6	19.2	62	n.	.....	.....	3	.....	2	.....	.....	0.031	0.8	.....	Joseph Midlinszky, S. J
Szegedin	29.37	745.9	29.63	752.7	68.7	20.4	52	s.	.....	.....	2	.....	8	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.48	748.8	29.58	751.3	63.9	17.7	53	se.	.....	.....	2	.....	10	.....	.....	0.087	2.2	.....	Royal Academy.
Vienna	29.09	738.8	29.83	757.6	35.6	2.0	87	n.	.....	.....	1	.....	10	.....	.....	0.169	4.3	raining	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	43.5	6.4	62	ene.	.....	.....	6	.....	2	.....	ene.	0.079	2.0	.....	.....
Brussels	29.64	752.9	29.85	758.2	39.9	4.4	50	e.	.....	.....	5	.....	9	.....	.....	0	0	.....	.....
Furnes	29.85	758.1	29.87	758.6	.....	.....	.....	ne.	.....	.....	4	.....	4	.....	.....	0	0	.....	.....
Maeseyck	29.72	754.9	29.85	758.1	43.2	6.2	63	ne.	.....	.....	4	.....	8	.....	.....	.....	.....	.....	.....
BRITISH.																			
Aberdeen	29.95	760.7	30.05	763.3	43.0	6.1	63	wnw.	15	6.7	.....	.....	9	.....	.....	0	0	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.05	763.3	40.9	4.9	65	n.	8	3.6	.....	.....	10	.....	.....	.....	.....	overcast	John Harnup.
Bolton, Sharples	29.48	748.8	30.03	762.7	39.5	4.2	75	ene.	6	2.7	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.63	752.6	30.02	762.5	40.9	4.9	78	ne.	.....	.....	2	.....	10	.....	.....	0	0	overcast	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.95	760.7	29.98	761.5	81.0	27.2	70	e.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.O
Cardington	.....	.....	.....	.....	42.6	5.9	55	e.	.....	.....	3.0	.....	9	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E.	29.77	756.1	29.95	760.7	41.1	5.1	65	e.	.....	.....	4	.....	8	.....	.....	blank	blank	gloomy	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.71	754.6	29.95	760.7	43.2	6.2	51	ne.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.80	706.1	30.11	764.8	70.0	21.1	78	ne	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	Corp'l O. Stares, A.H.O.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	30.05	763.3	30.09	764.3	46	7.8	69	n.	.....	.....	1	.....	3	.....	.....	0	0	blue sky	Wm. Ryan.
Gibraltar, Mediterranean	29.72	754.9	29.81	757.2	57.3	14.1	94	nw.	.....	.....	4	.....	10	.....	.....	.....	.....	raining	Sgt. A. Rand, A.H.O.
Greenwich, Royal Obs'y	29.77	756.1	29.95	760.7	42.8	6.0	59	ene.	.....	.....	5	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.58	751.3	29.88	758 9	44.0	6.7	80	e.	.....	.....	5	.....	8	.....	.....	0	0	d. clouds	A. Collenette, F.R.M.S.
Kew, Observatory	29.91	759.7	29.95	760.7	41.6	5.3	46	ne	27	12.1	.....	.....	7	.....	.....	.....	.....	misty	The Staff.
Leicester, Museum	29.75	755.6	30.01	762.2	39.8	4.3	75	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. O. Smith.
Malta, Mediterranean	29.58	751 3	29.66	753.4	64.4	18.0	68	nw.	.....	.....	3	.....	8	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. O.
Nassau, Bahamas	30.05	763.3	30.09	764.3	78.0	25.6	78	n.	.....	.....	1	.....	5	.....	.....	.....	.....	d clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.75	755.6	29.98	761.5	40.9	4.9	59	ne.	.....	.....	3	.....	10	.....	.....	.....	.....	threatening	The Staff.
Plymouth	29.85	758.2	29.92	760.0	47.2	8.4	48	ne.	.....	.....	4	.....	4	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.87	758.7	29.97	761.2	45.1	7.3	84	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	showery	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.79	756.7	29.85	758.2	68.4	20.2	61	ssw.	.....	.....	1	.....	6	.....	.....	.....	.....	misty	W. H. Lyne.
Sheffield	29.74	755.4	30.02	762.5	43.1	6.2	67	ene.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	30.02	762.5	30.05	763.3	45.1	7.3	73	n.	.....	.....	1	.....	10	.....	.....	0	0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.04	763 0	43.9	6.6	52	nne.	5	2.2	.....	.....	9	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	42.9	6.1	67	e.	.....	.....	3.0	.....	8	.....	.....	0	0	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	30.06	763.5	30.09	764.3	48.9	9.4	50	ne.	20	8.9	.....	.....	2	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-arctic.																			
Gozo, Episcopal Seminary	29.27	743.4	29.66	753.4	62.6	17.0	70	nw.	18.6	8.3	.....	2 c	4 n	.....	nw.	0	0	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.90	759 4	30.01	762.2	65.9	18.8	84	e.	16	7.2	.....	.....	10 n	.....	wsw.	0.085	2.2	drizzling	The Staff.
CANADIAN.																			
Bathurst, N. B	30.24	768.1	30.28	769.1	38.0	3.3	.....	calm	0	0	.....	.....	10 k	.....	.....	0	0	cloudy	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.16	766.1	30.20	767.1	39	3.9	70	e.	10	4.5	.....	.....	10 s	.....	e.	0	0	cloudy	H. J. Cundall, C. E.
Chatham, N. B*	30.21	767.3	30.27	768.8	36	2.2	79	ne.	8	3.6	.....	.....	10 s	.....	ne.	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.81	757.2	30.01	762.2	38.0	3.3	92	w.	.....	.....	1	.....	10 s	.....	.....	0	0	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	30.23	767.8	30.28	769.1	35.0	1.7	.....	e.	.....	.....	2	.....	10 ks	.....	.....	0.200	5.1	gloomy	H. A. Johnson.
Father Point, Quebec*	30.18	766.6	30.20	767.1	32	0.0	100	ne.	30	13.4	.....	.....	10 n	.....	ne.	0.55	14.0	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.19	741.4	30.05	763.3	31	— 0.6	81	nw.	2	0.9	.....	.....	10 n	.....	.....	0.26	6.6	misty	James Stewart.
Fredericton, N. B	30.08	764.0	30.15	765.8	35.2	1.8	93	ne.	10	4.5	.....	.....	10 n	.....	.....	0.260	6.6	raining	Dr. Thos. Harrison.
Grand Manan, N. B	29.95	760.7	30.00	762.0	35	1.7	96	e.	20	8.9	.....	.....	10 n	.....	.....	0.11	2.8	light rain	J. Chipman Seeley
Granton, Ontario	29.04	737.6	30.18	766.6	33.0	0.6	100	n.	5	2.2	.....	.....	9 ks	.....	e.	0	0	d. clouds	Jas. Grant.
Halifax, N. S*	29.97	761.2	30.11	764.8	36	2.2	92	ne.	18	8.0	.....	.....	10 n	.....	.....	0.486	12.3	heavy rain	A. Allison.
Hamilton, Ontario	29.68	753.9	30.10	764.5	39.0	3.9	80	sw.	.....	.....	1	4 ck	0	.....	sw.	0.04	1.0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.74	755.4	30.08	764.0	40	4.4	92	n.	1	0.4	.....	5 cs	0	.....	.....	inap.	inap.	fair	A. P. Knight, M. A
Little Glace Bay, N. S	30.15	765.8	30.19	766.8	34.2	1.2	98	se.	.....	.....	1	.....	10 n	.....	.....	0	0	misty	C. H. Rigby.
London, Ontario	29.27	743.4	30.22	767.6	34.3	1.3	95	calm	.....	.....	0	0	8 ks	.....	.....	0	c	d. clouds	E. B. Reed.
Medicine Hat, N. W. T	28.08	713.2	30.57	770.5	15	— 9.4	96	nw.	3	1.3	.....	.....	0	.....	.....	inap.	inap.	blue sky	John Ewart.
Minnedosa, N. W. T	28.04	712.2	30.03	762.7	33	0.6	96	se.	4	1.8	.....	.....	10 n	.....	sw.	0.02	0.5	light snow	Rev. J. M. Wellwood.
Montreal, Quebec*	29.81	757.2	30.02	762.5	39	3.9	100	n.	6	2.7	.....	.....	10 n	.....	.....	0.04	1.0	light rain	C. H. McLeod, C. E.
Ottawa, Ontario	29.84	757.9	30.07	763.8	38.1	3.4	93	s.	.....	.....	.....	.....	9 s	.....	.....	0.01	0.3	d. clouds	A. McGill, M. A.
Parry Sound, Ontario*	29.44	747.8	30.16	766.1	36	2.2	89	n.	2	0.9	.....	5 k	5 ks	W.	n.	0.04	1.0	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.33	745.0	30.09	764.3	38.7	3.7	89	ne.	.....	.....	1	.....	10 k	.....	s.	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.38	740.2	30.10	764.5	34	1.1	79	n.	5	2.2	.....	0	9ks; n	.....	.....	0.02	0.5	cloudy	W. P. Cooke.
Port Dover, Ontario	29.43	747 5	30.14	765.5	38	3.3	81	nw.	4	1.8	.....	5 ck	0	nw.	.....	0	0	fair	B. Morgan.
Port Stanley, Ontario	29.47	748.5	30.14	765.5	36	2.2	89	n.	5	2.2	.....	0	0	.....	.....	.....	.....	clear	M. Payne.
Qu Appelle, N. W. T	27.99	710.9	30.42	772.7	17	— 8.3	.....	nw.	30	13.4	.....	0	9 n	.....	nw.	0.17	4.3	light snow	Leslie Gordon.
Quebec, Quebec*	29.65	753.1	30.03	762.7	35	1.7	92	n.	20	8.9	.....	.....	10 n	.....	n.	0.06	1.5	light rain	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.67	753.6	30.14	765.5	38	3.3	82	nw.	5	2.2	.....	.....	9 s	.....	ne.	0.04	1.0	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.96	761.0	30.01	762.2	37	2.8	90	e.	18	8.0	.....	.....	10 n	.....	.....	1.274	32.4	light rain	
St. John, N. B	29.93	760.2	30.08	764.0	36.0	2.2	90	ne.	16	7.2	.....	.....	10 n	.....	.....	.....	.....	raining	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.20	767.0	41.0	5.0	.....	e.	.....	.....	2	.....	.....	.....	.....	0.02	0.5	cloudy	The Commandant.
Sangeen, Ontario*	29.43	747.5	30.17	766.3	35	1.7	88	n.	4	1.8	.....	.....	10 s	.....	.....	0	0	d. clouds	W. McBride, A.M.
Stratford, Ontario	28.86	733.0	30.19	766.8	34.0	1.1	90	n.	4.0	1.8	.....	.....	10 s	.....	.....	.....	.....	.....	.....

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	30.20	767.1	30.26	768.6	36	2.2	92	ne.	6	2.7	.....	.....	10 n	.....	.....	0.03	0.8	foggy.....	**T.C.Hill, C.E.**
Toronto, Ontario*	29.76	755.9	30.16	766.1	39	3.9	79	n.	9	4.0	.....	.....	10 ks	.....	nw.	0	0	cloudy.....	**Magnetic Observatory.**
Woodstock, Ontario	29.04	737.6	30.14	765.5	36.1	2.3	83	nw.	6.0	2.7	.....	.....	10 s	.....	.....	0	0	overcast.....	**Prof. N Wolverton, M.A.**
Yarmouth, N.S*	29.81	757 2	29.88	758.9	41.	5.0	96	e.	23	10.3	.....	.....	10 s	.....	e.	0.10	2.5	cloudy.....	**Lt. F. E. Wilmot, R. N.**
CAPE COLONY.																			
Cape St. Francis Lt.House	30.06	763.5	30.09	764.3	60.0	15.6	88	sw.	.....	.....	.....	.....	10	.....	.....	0.900	22.9	rain squalls	**I. Garfelt.**
Cape Town, The Castle	30.10	764.5	.....	.....	63.5	17.5	48	nw.	.....	.....	.....	0	3 k	.....	.....	0	0	.....	**Capt.R.Gardner Warton**
Springbok Fontein	27.90	708.6	.....	.....	70	21.1	39	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	**J. T. Eustace**
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	59.0	15.0	92	n.	.....	.....	10	.....	10 n	.....	n.	0.496	12.6	cloudy.....	**Leon Herrera.**
Valparaiso	29.71	754.6	29.85	758.2	61.2	16.2	87	n.	.....	.....	1	0?	0?	.....	.....	0.976	24.8	raining?.....	**Paez-i-Ampuero.**
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.08	763.9	30.10	764.5	53.6	12.0	88	ene.	5.3	2.5	.....	.....	10	.....	.....	0	0	covered.....	**M.Marc Dechevrens, S. J**
DANISH.																			
Copenhagen	30.00	761.9	30.04	763.1	33.8	1.0	53	se.	9	4.	.....	.....	0	.....	.....	.....	.....	.....	**Oversergent Fischer.**
Fanöe	30.01	762.3	30.03	762.8	37.2	2.9	51	wsw.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	**Overloerer Laurdsen.**
Godthaab, Greenland	30.41	772.4	30.45	773.5	25.7 —	3.5	85	n.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	**S. Kleinschmidt.**
Ivigtut, Greenland	30.23	767.9	30.25	768.4	33.4	0.8	.....	n.	.....	.....	6	.....	4	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.81	757.2	29.85	758.3	43.5	6.4	75	s.	.....	.....	6	.....	8	.....	.....	.....	.....	.....	**A. O. Thorlacius.**
Thorshavn	29.93	760.3	29.96	760.9	46.8	8.2	75	ne.	7	3.	.....	.....	6	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	30.46	773.6	30.50	774.8	15.6 —	9.1	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	
Vestervig	29.87	758.6	25 96	760.9	41.7	5.4	95	sw.	.....	.....	6	.....	10	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
EGYPTIAN.																			
Cairo	29.80	756.8	.....	.....	86.0	30.	.....	ne.	8.1	3.6	.....	2 ck	0	.....	.....	0	0	.....	**Albert Ismalun, Dir.**
FRENCH.																			
Agen, Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**M. Laurone, Director.**
Alençon, Normal School	29.25	742.9	29.80	756.9	39.6	4.2	90	ne.	.....	.....	1	.....	8 n	.....	sw.	0	0	very cloudy	**M. Nicot, Director.**
Arras, Normal School	29.60	751.9	29 85	758.2	43.0	6.1	55	ne.	.....	.....	4	.....	1	.....	s.	0	0	clear	**M. Ungerer, Director.**
Avignon, Normal School	29.45	748.0	29.53	750 0	60.8	16	61	nnw.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	**M. Giraud, Director.**
Bar-sur-Seine	29.09	738.9	29.65	753.1	48.6	9 2	71	sse.	.....	.....	1	.....	10	.....	ese.	0.091	2.3	covered.....	**M. Saillard, Director.**
Beauvais, Normal School	29.52	749.7	29.79	756.7	39.0	3.9	70	ne.	.....	.....	2	.....	10	.....	.....	0.110	2.8	covered.....	**M. Frère Eugène Marie.**
Besançon, Normal School	28.67	728.2	29.56	750.8	50.c	10	74	ene.	.....	.....	4	.....	.....	.....	.....	0.12	3	.....	**M. Gobin, Director.**
Bordeaux, Observatory	29.37	745.9	29.63	752 8	54.1	12.3	71	nw.	.....	.....	1	.....	5	.....	.....	0.378	9.6	cloudy.....	**M. Rayet, Director.**
Bourges, Normal School	29.06	738 2	29.62	752.3	54.0	12.2	59	ne.	.....	.....	8	.....	5	.....	n.	0.177	4.5	cloudy	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.63	752.5	29.87	758.6	45.3	7.4	69	ene.	.....	.....	4	.....	8	.....	ene.	0	0	.....	**M. de Kermarec, Dir.**
Caen, Normal School	29.68	753.9	29.76	755.8	43.2	6.2	82	ne.	.....	.....	1	.....	8	.....	ne.	0.31	8.	very cloudy	**M. Berson, Director.**
Châlons-sur-Marne, N.Sch'	29.37	746.0	29.69	754 2	44.2	6.8	91	ene.	.....	.....	2	.....	10	.....	.....	0.346	8.8	covered	**M. Jadot, Director.**
Charleville, Normal School	29.18	741.1	29.70	754.3	40.3	4.6	38	ne.	.....	.....	2	.....	10	.....	.....	0	0	covered.....	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.22	716.8	29.56	750.8	54.0	12.2	37	n.	.....	.....	1	.....	8 k	.....	.....	0.118	3.0	.....	**M. Alluard, Director.**
Cluny, Normal School	28.73	729 8	29.58	751.2	54.0	12.2	68	w.	.....	.....	1	.....	10	.....	nw.	0.039	1.0	.....	**M. de Villemontés, Dir.**
Commercy, Normal School	28.88	733.0	29.72	754.9	45.5	7.5	78	ne.	.....	.....	6	.....	10 kn	ne.	ne.	0.098	2.5	sprinkling...	**Dr. Coulet, Director.**
Gap, Normal School	26.98	685 2	29.48	748 8	48.7	9.3	91	calm	.....	.....	0	.....	10 n	.....	.....	0.24	6	.....	**M. Jarach, Director.**
Gréasque, du Rhone	28.37	720.6	29.47	748.6	57.0	13.9	62	nw.	.....	.....	2	.....	5	.....	nw.	0.106	2.7	.....	**M. Kina, Director.**
Grenoble, Normal School	28.76	730.6	29.53	750.0	51.8	11.	80	nw.	.....	.....	4	.....	n	.....	sw.	0.165	4.2	.....	**M. Ablard, Director.**
Guéret, Normal School	28.04	712 1	29.60	751.9	44.2	6.8	88	w.	.....	.....	1	.....	10 n	.....	.....	0.31	8.	raining	**M. Delorme, Dir.**
Lamballe Normal School	29.55	750 5	29.82	757 5	41.7	5.4	81	ne.	.....	.....	4	.....	8 n	.....	ne.	0	0	very cloudy	**M. Polipre, Dir.**
Lescar, Normal School	29.07	738.3	29.63	752.6	62.4	16.9	53	w.	.....	.....	1	.....	10 n	.....	.....	c	0	covered.	**M. Chauvin, Director.**
Lorient, Naval Observatory	29.66	753.3	29.76	755.9	44.6	7.0	66	ne.	.....	.....	3	.....	10	.....	ne.	c	0	covered.....	**L. T. Carre, Director.**
Lyon, St. Genis-Laval	28.52	724.3	29.56	750.9	51.3	10.7	71	nw.	.....	.....	1	.....	10 n	.....	.....	0	0	covered	**M. André, Director.**
Mans, Normal School	29.47	748.4	29.78	756.5	36.1	2.3	79	e.	.....	.....	4	.....	10	.....	.....	0	0	covered.....	**M. Richard, Director**
Marseille, Observatory	29.21	741.9	29.48	748.7	61.0	16.1	58	w.	.....	.....	2-4	.....	7	.....	s.	0.063	1.6	.....	**M. Stephan, Director.**
Montlouis	24.38	619.2	29.22	742.2	41.0	5.0	54	n.	15.0	6.7	.....	.....	7	n.	.....	0 055	1.4	.....	**M. Cave for Dr. Fines.**
Montpellier, Normal School	29.38	740.3	29.49	749.1	62.6	17	94	s.	.....	.....	1	.....	5	nw.	.....	0.835	21.2	cloudy.....	**M. Gaizin, Director.**
Nancy, Normal School	28.90	734.0	29.68	753 9	48.2	9.0	56	ne.	.....	.....	1	.....	10	.....	.....	0.134	3.4	raining	**M. Hasse, Director.**
Nantes, Observatory	29.59	751.6	29.75	755.7	39.9	4.4	81	ne.	.....	.....	1-2	.....	10 n	.....	ne.	0.043	1.1	.....	**M. Larocque, Director.**
Perpignan, Observatory	29.48	748 8	29.59	751.6	59.4	15.2	50	nw.	9.4	4.2	.....	.....	1	.....	nw.	0	0	.....	**Dr. Fines, Director.**
Pic-du-Midi, Summit	20.77	527.5	.....	.....	28.4 —	2.0	.....	calm	.....	.....	0	.....	.....	se.	nw.	0.059	1.5	foggy.....	**M. Vaussenat, Director.**
Privas, Normal School	28.47	723.2	29.52	749.8	55.4	13.	55	n.	.....	.....	1	.....	10	.....	n.	0.43	11.	covered.....	**M. Taillieu.**
Puy de Dôme Obs'y, Summit	24.73	628 1	.....	.....	34.2	1.2	87	nne.	.....	.....	2	.....	8	.....	.....	0.154	3.9	.....	**M. Alluard.**
Rochefort, Naval Obs'y	29.66	753.3	29.69	754.1	50.4	10.2	72	ne.	.....	.....	1	.....	10	.....	ne.	0	0	covered.....	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.47	748.6	29.69	754 2	42.3	5.7	88	ne.	.....	.....	2	.....	.....	.....	ne.	0	0	.....	**M. Brotlier, Director.**
Rodez, Normal School	27.46	697.5	29.61	752 0	52.2	11.2	52	n	.....	.....	1	.....	5	.....	.....	0	0	fair.....	**M. Seger, Director.**
Rouen, Normal School	29.74	755.4	29.79	756 6	41.7	5.4	66	ne.	.....	.....	8	.....	8	.....	ne.	0.39	10.	very cloudy	**M. Mouillot, Dir.**
Saint Maur, Observatory	29.58	751.3	29.74	755 5	38.5	3.6	81	ne.	.....	.....	2	.....	10	.....	ne.	0.205	5.2	covered.....	**M. Renou, Director.**
Toulouse, Observatory	28 93	734 8	29.68	753 9	56.3	13.5	74	nw.	.....	.....	1	.....	5	nw.	.....	0	0	cloudy... ..	**M. Baillaud, Director.**
Tours	29.50	749.4	29.69	754.1	41.0	5.0	87	n.	.....	.....	1	.....	10	.....	ne.	0.059	1.5	covered	**M. de Tastes.**
Versailles, Observatory	29.26	743.2	29.76	755.8	35.6	2.0	85	ne.	.....	.....	2	.....	.....	.....	.....	0.244	6.2	.....	**Dr. A. Bernigny, Director.**
Sub-series.																			
St. Martin du Hinx	29.52	749.7	29.67	753.5	60.1	15.6	64	w.	5.8	2.6	.....	.....	5 k	.....	sw.	0.028	0.7	.....	**M. Garlier, Director.**
GERMAN.																			
Ansbach	28.31	719.0	29.79	756.6	38.8	3.8	75	ne.	.....	.....	6	.....	10	ne.	.....	0.047	1.2	.....	**Prof. Jnedt.**
Bamberg	28.94	735.0	29.77	756 2	41.9	5.5	67	ne.	.....	.....	5	.....	8 k	.....	ne.	0	0	.....	**Prof. Dr. Hoh.**
Berlin	29.84	757.9	29.99	761.7	38.5	3.6	41	ne.	.....	.....	1	.....	6	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.46	748.3	29.99	761.8	35.2	1.8	55	ene.	.....	.....	3	.....	10	.....	.....	0	0	.....	**Royal University Obs'y**
Carlsruhe	29.29	744.0	29.76	755.8	41.0	5.0	66	ne.	.....	.....	2	.....	10	ne.	.....	0.295	7.5	.....	**Albert Senz.**
Cassel	29.14	740 1	29.85	758.2	41.7	5.4	36	e.	.....	.....	6	.....	5	e.	.....	0.004	0.1	.....	**Dr. H. Möhl.**
Frankfort-on-the-Main	29.44	747 7	29.80	757 0	47.1	8.4	45	ene.	.....	.....	3	.....	10	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.20	716.2	29.63	752.5	42.4	5.8	82	nne.	.....	.....	7	.....	10	ene.	.....	0.031	0.8	.....	**Wilhelm, Chief Tel.**
Hamburg	29.96	761.0	30.05	763.3	36.7	2.6	55	se.	.....	.....	3	.....	5	.....	.....	0	0	.....	**E. Prelier.**
Kiel	30.03	762 7	30.04	763.1	37.0	2.8	51	e.	.....	.....	2	.....	7	.....	.....	0	0	.....	**Prof. Dr.G. Karsten.**
Leipsic, Astron'l Obs'y	29.51	749 6	29.95	760.6	38.5	3.6	47	e.	.....	.....	3	.....	5	e.	.....	0	0	.....	**H. Leppig, Asst.**
Magdeburg	29.78	756.4	29.97	761.2	40.3	4.6	36	e.	.....	.....	3	.....	1	ne.	.....	0	0	.....	**Weather Observatory.**
Memel	30.00	762.0	30.05	763.2	33.4	0.8	78	nnw.	.....	.....	4	.....	6 ks	.....	.....	.....	.....	.....	**Issermann.**
Munich	27.86	707.6	29.70	751.4	36.5	2.5	89	n.	.....	.....	4	.....	10	w.	.....	0.071	1.8	rain & snow	**Central Station.**
Neufahrwasser	30.05	763.3	30.08	764.0	34.3	1.3	93	n.	.....	.....	2	.....	7	.....	.....	0.260	6.6	.....	**A. Lothes.**
Neustadt, Palatinate	29.22	742.3	29.75	755.6	44.6	7.0	59	ne	.....	.....	2	.....	10	.....	.....	0	0	.....	**Prof. Dicknether.**
Stuttgart	28.77	730.8	29.69	754 0	39.6	4.2	80	n.	.....	.....	1	.....	10	.....	.....	0.193	4.9	.....	**Dr. L. Meyer.**
Wustrow	30.04	762.9	30.02	762.6	34.9	1.6	93	ne.	.....	.....	2	.....	8 s	.....	.....	0	0	.....	**Profs. Brandes & Reimer**
GREEK.																			
Athens	29.44	747.8	29.82	757.4	71.6	22.0	.....	s.	.....	.....	1.0	8	.....	.....	.....	0	0	.....	**Kokkides & Wourlisch.**
INDIAN.																			
Kurrachee	29.74	755.4	29.79	756.7	84.8	29.3	73	wsw.	32.0	14.3	.....	.....	0	.....	.....	0	0	misty.....	
Deesa	29.27	743.4	29.72	754.9	101.0	38.3	18	sw.	8.0	3 6	.....	.....	5	wsw.	wsw.	0	0	d. clouds....	
Bombay	29.82	757.3	29.85	758.3	83.3	28.5	73	wnw.	12.0	5.4	.....	.....	0	.....	.....	0	0	blue sky.....	
Poona, Yarrowda	27.97	710.4	29.77	756.2	92.8	33.8	18	wsw.	19.0	8.5	.....	.....	0	.....	.....	0	0	blue sky.....	
Trichinopoly	29.55	750.6	29.82	757.4	100.2	37.9	29	se.	0.3	0.1	.....	.....	4	nne.	nne.	0	0	d. clouds....	
Bellary	28 30	718.9	29.72	754.8	99.0	37.2	18	e.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky.....	
Belgaum	27 31	693.6	29.81	757.1	83.6	28.7	49	wsw.	11.0	4.9	.....	.....	2	.....	ne.	0	0	d. clouds....	
Lahore	28.98	736.1	29.70	754 4	94.1	34.5	15	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky.....	
Roorkee	28.79	731.4	29.67	753.6	92.7	33.7	11	w.	3.0	1.3	.....	.....	0	.....	.....	0	0	blue sky.....	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p.sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall. Mill.	Weather	Observers.
INDIAN.—Continued.																			
Agra	29.17	741.0	29.72	754.9	95.6	35.3	4	w.	6.0	2.7			0			0	0	blue sky	
Nagpur	28.68	728.4	29.68	753.8	99.7	37.6	15	w.	12.0	5.4			4		w.	c	0	d. clouds	
Jubbulpore	28.39	721.0	29.70	754 3	96.2	35.7	8	w.	6.0	2.7			0			0	0	blue sky	
Lucknow	29.31	744.4	29.67	753.7	94.0	34.4	15	wnw.	14.0	6.3			0			0	0	misty	
Allahabad	29.37	745.9	29.67	753.6	97.0	36.1	9	nw.					0			0	0	blue sky	
Patna	29.49	749.0	29.67	753.6	93.9	34.4	27	ene.	6.3	2.8			0			0	0	blue sky	
Hazaribagh	27.68	703.1	29.66	753.3	84.4	29.1	28	ese.	8.0	3.6			0			0	0	blue sky	
Cuttack	29.66	753 4	29.74	755.4	85.6	29.8	57	w.	8.0	3.6			3			0	0	d. clouds	
Calcutta, Alipore	29.82	757.5	29.84	758.0	71.5	21.9	85	nw.	12.0	5.4			10			0.28	7.1	thund'r stm'	
Chittagong	29.71	754.7	29.80	757.0	82.2	27.9	78	ssw.	5.9	2.6			8			0	0	d. clouds	
Sibsagar	29.57	751.1	29.92	759.8	73.0	22.8	69	ne.	2.0	0.9			0			0.30	7.6	blue sky	
Jeypore	28.34	719.8	29.74	755.4	93.5	34.2	7	n.	10.0	4.5			0			0	0	blue sky	
Zanzibar	29.86	758.4			83.9	28.8	74	sw	3.4	1.5			3	se.	ssw.			d. clouds	
ITALIAN.																			
Udine	29.18	741.1	29.58	751.4	55.2	12.9	78	nw.	4.9	2.2			10			0.969	24.6		Prof. Giovanni Clodig.
Milan	28.98	736.2	29.50	749.2	51.8	11.0	83	nw.	4.9	2.2			10	ese.		0.217	5.5		Prof. G.V.Schiapparelli
Padua	29.40	746.7	29.51	749.4	55.6	13.1	93	ene.	13.0	5.8			10	e.		0.532	13.5		Prof. Dott. Lorenzoni.
Moncalieri	28.55	725.2	29.45	747.9	48.9	9.4	97	nnw.	0.7	0.3			10			1.102	28.0		Prof. F. F. Denza.
Genoa	29.19	741.4	29.38	746.3	50.0	10.0	77	n.	8.7	3.9			10	s.		0.713	18.1		Prof. G. M. Garibaldi.
Pesaro	29.40	746.7	29.45	747.9	60.8	16.0	81	e.	10.5	4.7			10	se.		0.028	0.7		Prof. Luigi Guidi.
Florence	29.13	739.8	29.38	746.2	60.8	16.0	71	ne.			2		10	s.		0.130	3.3		Prof. Costantino Pittei.
Leghorn	29.18	741.1	29.26	743.2	59.2	15.1	78	e.	6.3	2.8			10	e.		0.335	8.5		Prof. P. Monte.
Rome	29.27	743.5	29.45	747.9	66.4	19.1	58	ssw	19.2	8.6			8	sw.		0.087	2.2		Prof. P. Tacchini.
Lecce	29.26	743.2	29.51	749.5	71.6	22.0	60	sw	35.3	15.8			6	sw.		0	0		Prof. C. de Giorgi.
Cosenza	28.71	729 2	29.59	751.6	64.8	18.2	78	wnw.	2.5	1.1			10	w.		0.386	9.8		Prof. D. Conti.
Palermo	29.33	744.9	29.58	751.2	61.9	16.6	66	wsw.	11.9	5.3			8	wsw.		0.035	0.9		Prof. G. Cacciatore
Syracuse	29.46	748.3	29.51	749.4	68.7	20.4	65	ese.	12.5	5.6			10	sw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	28.97	735.7			65.3	18.5	68	se.	7.4	3.3			6	nw.		0.008	0.2		Prof. F. Brioschi.
Stelvio	21.72	551.8			34.0	1.1	79	ne.			2		10			0.449	11.4	covered	Prof. P. F. Denza.
Valdobbia	21.70	551.3			29.7	− 1.3	80	ese.			6		10			4.724	120.0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.94	760.6	29.97	761.5	37.0	2.8	83	nw.			2	0	0			0	0	clear	H. Hattori.
Awomori	29.89	759.2	29.93	760 2	35.2	1.8	78	w.	1.1	0.5		0	0			0	0	clear	K. Ogawa.
Hakodate	29.90	759.6	29.91	759.9	31.0	− 0.6	62	calm	0	0		0	0			0	0	clear	Y. Souma.
Hamamatsu	29.92	759.9	30.02	762.4	49.8	9.0	85	calm			0	0	0			0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	29.96	761.0	29.98	761.5	52.8	11.6	83	n.	3.1	1.4		0	0			0	0	clear	Y. Okamoto.
Kagoshima	29.95	760.7	29.96	761.0	61.0	16.1	71	ne.			2		10 s			0.012	0.3	overcast	
Kanazawa	29.90	759.4	30.00	762.1	45.0	7.2	92	nne.	3.8	1.7		0	1 s			0	0	fair	S. Endo.
Kioto	29.81	757.1	29.98	761.5	54.1	12.3	67	nne.	3.3	1.4		0	0			0	0	clear	M. Tojima.
Kochi	29.96	761.0	29.98	761.5	59.1	15.1	83	wnw.	6.0	2.7		0	4 s			0	0	fair	K. Kusunose
Miasaka	29.96	760 9	29.98	761.6	60.0	15.6	90	ne.			1		10 n		e.	0.020	0.5	raining	K. Masusaki & T. Ishimain.
Miyako	29.88	758.9	29.99	761.7	31.2	− 0.4	71	wsw.	5.6	2.5		0	0			0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.78	756.4	29.98	761.5	57.5	14.2	63	calm	0	0		9cs;ck	0	w.		0	0	cloudy	
Nemuro	29.91	759.7	29.96	761.0	32.1	0.1	78	calm	0	0		1 k	0			0	0	clear	A. Shibuya.
Niigata	29.96	761.0	29.99	761.7	41.6	5.3	89	calm	0	0		0	0			0	0	clear	Satoo & Tomikawa.
Nobiru	29.99	761.7	30.01	762.3	41.4	5.2	81	sse.	8.6	3.8		0	7 s			0	0	fair	Yoshino & Midzushina.
Numadzu	29.99	761.7	30.03	762.7	51.1	10.6	67	ese.			2		10 s			0	0	cloudy	T. Ohgi.
Osaka	29.96	760.9	29.97	761.3	50.9	10.5	81	ne.	2.5	1.1		0	0			0	0	clear	H. Omura.
Saga	29.94	760.7	29.97	761.3	55.5	13.1	79	e.	1.6	0.9		0	3 s			0	0	clear	A. Matsuhayashi.
Sakai	29.98	761.4	29.99	761.6	46.8	8.2	93	ne.			2	0	0			0	0	clear	Yamawchi & Sakamoto.
Sapporo	29.79	756.6	29.86	758.4	37.1	2.8	54	se.	21.2	9.5			10 n			0	0	covered	S. Kimura.
Shimonoseki	29.86	758.3	30.00	762.0	51.9	11.1	87	sw.			1	0	1 s			0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.98	761.6	30.06	763.6	45.4	7 4	79	ene.	4.4	2.0			10 s			0	0	covered	The Staff.
Wakayama	29.91	759.6	29.96	760.9	52.4	11.3	70	calm	0	0		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.77	756.1	29.96	761.0	78.4	25.8	75	e.	16.0	7.2		4ck;cs	2 ku	nw.	e.	0.06	1.5	fair	The Staff.
MEXICAN.																			
Leon	24.26	616.2	29.92	760.0	58.3	14.6	64	calm	0	0		1 c	1 s			0	0	clear	M. Leal & M. Pina
Mazatlan	29.62	752.2	29.88	758.8	66 0	18.9	81	nw.	0.9	0.4		0	0			0	0	hazy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.91	759.6	29.91	759.6	40.5	4.7		ene.			5					0	0		
Groningen	29.96	760.9	30.01	762.3	37.2	2.9		e.			2					0	0		
Helder	30.00	761.9	30.00	761.9	36.7	2.6		ne.			4					0	0		
Hellevoetsluis	29.93	760.1	29.93	760.1	40.6	4.8	46	e			4					0	0		
Utrecht	29.90	759.4	29.95	760.6	40.8	4.9	35	ene.			5		2			0	0	lightly cl'dy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.90	759.5			82.0	27.8	74	wnw.	0.5	0.2			9			0	0		Lt. J. J. Ropiman, R.D.N
NORWEGIAN.																			
Bergen	29.82	757.4	29.88	759 0	38.5	3.6	83	se.	9	4			10			0.362	9.2		
Brono	29.71	754.7	29.75	755 7	40.5	4.7	73	w.			2		7			0.059	1.5		
Christiania	29.67	753 6	29.82	757.4	41.4	5.2	33	sw.	0	0			0			0	0		
Gjæsvær	29.85	758.1	29.87	758.7	28.8	− 1.8		ne.			7		0			0	0		
PORTUGUESE.																			
Funchal, Madeira	29.77	756.2	29.86	758.4	62.4	16.9	53	wsw.	8.7	3.9			10			0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.28	743 7	29.61	752.2	50.4	10.2	90	se.	8.1	3.6			10			0.445	11.3	raining	The Staff.
Ponta Delgada, Azores	29.82	757.3	29.89	759.1	60.8	16.0	56	ne.	6.9	3.1			4			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.90	759.4	29.93	760.3	70.5	21.4	67	nne.			3		7			0	0		
San Salvador, Congo																			
Serra da Estrella	24.85	631.2	29.67	753.5	33.3	0.7	100	se.	8.1	3.6			10			0.161	4.1	snow & fog	
RUSSIAN.																			
Akmolinski	28.76	730.4	29.85	758.3	40.1	4.5	78	se.	11	5		0	8 k			0	0		Major K. Lasarew.
Archangel	29.64	752.8	29.66	753.3	31.1	− 0.5	71	w.	4	2			10			0	0	light clouds	Capt. Sseliwerstow
Ashurada	29.93	760.3	29.84	757.9	65.8	18.8	82	nnw.	18	8		3 cs	0			0.004	0.1	light clouds	
Astrakhan	30.00	762.1	29.93	760.3	62.8	17.1	60	nw.	4	2			10 s			0	0		Capt. Wisganow.
Baku	29.94	760 5	29.89	759 3	57.9	14.4	84	s.	4	2		1 cs	0						
Barnaul	29.64	752.8	30.15	765.9	38.1	3.4	52	n	4	2			0			0	0		Meteorological Office.
Bieloserk	29.40	746.7	29.89	759.1	29.3	− 1.5	43	nne.	4	2		0	1 ks			0	0		
Dorpat	29.68	753.8	29.93	760.3	29.5	− 1.4	68	nw	7	3			10 ks			blank	blank		Rosenthal.
Ekaterinburg	28.61	726.7	29.57	751.1	44.4	6.9	94	wsw.	18	8			10 n			0	0		Meteorological Obs'y.
Elissawetgrad	29.45	748.0	29.89	759.2	63.9	17.7	65	ssw.	7	3		6 ck	0			0.075	1.9		
Kasalinsk	29.51	749.5	29.69	754.0	69.8	21.0	47	ne.	9	4									Butkewitsch.
Kasan	29.56	750.9	29.84	758.0	31.8	− 0.1	74	w.	4	2			10			0.024	0.6		Observatory.
Kem	29.61	752.2	29.67	753.5	31.3	− 0.4	74	sw.	13	6			10 n			0	0		
Kertch	29.91	759.8	29.94	760.4	63.5	17.5	69	calm	0	0		0	0			0	0		Lagorio & Sastyrca.
Kieff	29.22	742.1	29.86	758 5	42.8	6.0	78	ene.	4	2			10 n			0.150	3.8		Observatory.
Koslov	29.39	746.5	29.90	759.5	40.5	4.7	73	ssw.	13	6			10 s			0.319	8.1		
Lgov	29.32	744.6	29.90	759.4	52.3	11.3	71	wsw.	4	2			9			0	0		R. J. Ssaweljew, Engin'r.
Libau	30.01	762.3	30.04	762.9	32.2	0.1	71	wsw.	7	3			10			0.024	0.6		E. Quass.
Lugan	29.67	753.6	29.87	758.7	64.2	17.9	43	ssw.	4	2			8			0	0		Meteorological Obs'y.
Moscow	29.34	745.1	29.83	757.7	31.8	− 0.1	75	calm	0	0			10 s			0.087	2.2	snowing	Meteorological Obs'y.
Nertschinsk	27.50	698.4	29.86	758.4	29.5	− 1.4	41	calm	0	0			3			0	0		
Nikolaiev	29.84	757.9	29.91	759.7	55.0	12.8	63	s.	18	8		0	0			0	0		Capt. Kurdakow.

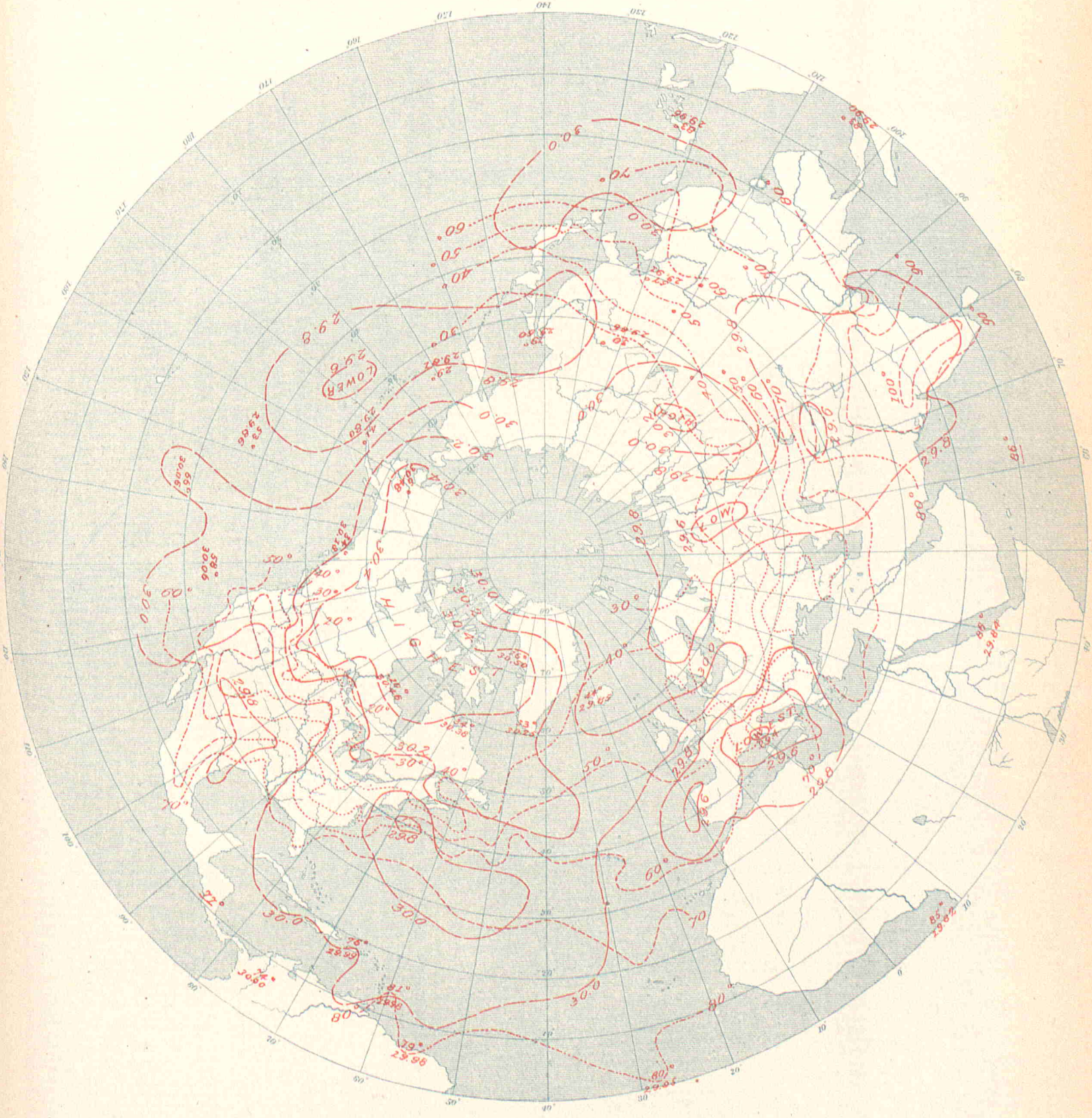
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolnievsk-on-the-Amoor.	29.52	749.7	29.60	751.9	18.7	— 7.4	86	w.	2	1	.....	.....	10 n	.....	.....	.....	.....	snowing.....	Iwanow.
Pekin, China.....	29.77	756.2	29.91	759.8	57.2	14.0	59	calm	0	0	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk.....	29.33	745.0	29.67	753.6	68.0	20.0	46	sw.	4	2	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk.....	29.51	752.2	29.82	757 4	32.7	0.4	35	nw.	16	7	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk.....	29.47	748.5	29.98	761 6	34.5	1.4	64	nw.	18	8	.....	.....	10 ks	.....	.....	0	0	.....	
Poti.....	29.91	759.7	29.94	760.5	59.4	15.2	86	sw.	4	2	.....	.....	10 n	.....	.....	0.039	1.0	.....	
St. Petersburg.....	29.87	758.6	29.89	759.2	27.7	— 2.4	48	w.	9	4	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand.....	27.32	694.0	29.67	753.6	75.0	23.9	41	sw.	7.8	3.5	.....	.....	10 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk.....	29.44	747.7	30.12	765.1	32.2	0.1	92	calm	0	0	.....	.....	10	.....	.....	0	0	.....	Major Lasarew
Sevastopol.....	29.71	754 7	29.92	760.0	66.9	19.4	55	s.	20	9	.....	0	1 ks	.....	.....	0	0	.....	
Staroi Rykhov.....	29.34	745.1	29.91	759.8	33.1	0.6	56	w.	13	6	.....	.....	10	.....	.....	0.083	2.1	.....	Carl Hagen.
Tashkend, Laboratory.....	28.03	712.0	29.59	751.6	82.2	27.9	34	nw.	4	2	.....	.....	9 k	.....	.....	.....	.....	light clouds	Terch, A. M
Tiflis.....	28.46	722.8	29.85	758.2	62.4	16.9	48	nw.	38	17	.....	0	8 ks	.....	.....	0	0	.....	Physical Observatory
Vernoe.....	27.26	692.3	29.63	752.5	75.2	24.0	36	ne.	9	4	.....	0	0	.....	.....	.....	.....	.....	Larionow.
Viatka.....	29.09	738.9	29.74	755.4	30.9	— 0.6	55	calm	0	0	.....	.....	0	.....	.....	inap.	inap.	.....	
Vladivostock.....	29.73	755.2	29.80	756.9	37.2	2.9	92	s.	13	6	.....	.....	5 s	.....	.....	0	0	.....	
Warsaw.....	29.58	751.3	30.02	762.4	36.5	2.5	54	n.	9	4	.....	.....	10 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk.....	29.91	759.6	30.21	767.3	27.5	— 2 5	53	wnw.	2	1	.....	.....	2	.....	.....	blank	blank	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy.....	29.22	742.2	29.75	755.6	32.0	0.0	69	se.	8.6	3.8	.....	.....	10 n	.....	.....	inap.	inap.	snowing.....	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y.....	29.52	749.9	29.63	752.7	60.1	15.6	66	w.	.....	.....	.....	0	4 kn	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y.....	29.57	751.0	29.63	752.5	61.0	16.1	63	nw.	1.8	0.8	.....	2	6	sw.	.....	0	0	almost cov'd	Angel de Uraldo.
Burgos, Met. Obs'y.....	26.69	678.0	29.67	753.5	47.3	8.5	68	sw.	3.8	1.7	.....	.....	9	.....	.....	0.039	1.0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y.....	27.43	696.7	29.65	753.2	52.0	11.1	76	sw.	8.3	3.7	.....	0	8	.....	.....	0.079	2.0	very cloudy	The Staff.
Murcia, Met. Obs'y.....	29.52	749.8	29.63	752.6	60.3	15.7	66	s.	3.4	1.5	.....	3	5	ne.	.....	0	0	cloudy.....	Olayo Diaz, Director.
Santiago, Met. Obs'y.....	28 69	728.7	29.57	751.1	58.3	14.6	51	n.	9.8	4.4	.....	.....	6	.....	.....	0.079	2.0	cloudy.....	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba.....	30.00	761 9	30.06	763.6	69.4	20.8	88	e.	5.8	2.6	.....	0	0	.....	.....	0	0	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.90	759.4	29.96	760.9	82.5	28.1	72	ese.	8.8	3.9	.....	0	1 ks	.....	.....	0	0	clear.....	F. Faura, S. J.
San Fernando, Naval Obs'y	29.64	752.9	29.74	755.5	57.9	14.4	75	s.	3.6	1.6	.....	1	8	s.	s.	0.630	16.0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.90	759.4	29.99	761.7	75.6	24.2	84	calm	0	0	.....	3 s	0	.....	.....	0	0	clear.....	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda.....	29.70	754.3	29.74	755.3	31.1	— 0.5	96	n.	.....	.....	2	.....	5	.....	.....	0	0	.....	
Umea.....	29.66	753.3	29.71	754.6	40.3	4.6	62	sw.	.....	.....	2	.....	9	.....	.....	0.047	1.2	.....	
Hernosand.....	29.71	754.7	29.76	756 0	42.1	5.6	43	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Stockholm.....	29.73	755.2	29.91	759 7	36.7	2.6	31	w.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Wisby.....	29.92	760.0	29.98	761.5	34.2	1.2	82	w.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala.....	29.77	756.1	29.85	758.3	37.8	3.2	46	wsw.	9.8	4.4	.....	.....	4	.....	w.	0	0	.....	H.H.Hildebrandsson
Swiss																			
Geneva.....	28.15	714.9	29.59	751.6	48.2	9.0	77	n.	.....	.....	2	.....	10	.....	.....	0.335	8.5	covered.....	The Observatory.
Turkish.																			
Constantinople.....	.....	.....	29.89	759.1	68.2	20.1	56	sw.	3	1.5	.....	.....	5	.....	sw.	0	0	.....	The Observatory.
Valona.....	.....	.....	29.67?	753.6?	72.9	22.7	.....	sw.	.....	.....	3	.....	5	.....	.....	0	0	½ covered...	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria.....	.....	.....	29.98	761.5	69.8	21.0	72	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York.....	29.91	759.7	29.99	761.7	44.3	6.8	74	nw.	5	2.2	.....	.....	10 n	.....	.....	0.62	0.5	light rain....	J. O. Barnes.
Alpena, Michigan.....	29.52	749.8	30.21	767 3	33	0.6	88	w.	4	1.8	.....	4 ck	5 s	w.	w.	0	0	cloudy.....	Jas. J. Fitzgerald.
Apache, Fort, Arizona.....	24.87	631.7	29.79	756.7	29.0	— 1.7	83	e.	3	1.3	.....	7 ck	0	w.	.....	0.25	6.3	fair.....	J. B. Turton.
Assiniaboine, Ft., Montana	27.60	701.0	30.51	774.9	24.0	— 4.4	81	ne.	9	4.0	.....	0	0	.....	.....	0	0	clear.....	J.J.O'Connor.
Atlanta, Georgia.....	28.91	734.3	30.10	764.5	58.0	14.4	42	e.	10	4.5	.....	4 c	sk.	w.	.....	0	0	fair.....	S. W. Beall
Atlantic City, New Jersey.	29.97	761.2	29.98	761.5	45.4	7.4	76	w.	14	6.3	.....	0	0	.....	.....	0	0	clear.....	B.A.Blundon.
Augusta, Georgia.....	29.93	760.2	30.12	765 0	55.4	13.0	83	calm	0	0	.....	10 c	hz.	w.	.....	0	0	cloudy.....	W.J.Evans.
Baltimore, Maryland.....	30.04	763.0	30.08	764.0	49.6	9.8	66	n.	6	2.7	.....	hz.	0	.....	.....	0	0	clear.....	Geo. W. Felger.
Barnegat City, New Jersey	29.95	760.7	29.97	761.2	44.4	6.9	69	nw.	24	10.7	.....	0	5 s	.....	n.	0	0	fair.....	J.P.Sherry.
Bennett, Fort, Dakota.....	28.42	721.9	30.06	763.5	38.0	3.3	94	nw.	7	3.1	.....	0	1 s	.....	.....	0	0	clear.....	A. Pritchard.
Benton, Fort, Montana.....	27.66	702.6	30.52	775.2	24.1	— 4.4	65	ne.	5	2.2	.....	.....	10 s	.....	nw.	0.04	1.0	cloudy.....	U.S.Bennett.
Bismarck, Dakota.....	28.22	716.8	30.10	764 5	32.8	0.4	92	calm	0	0	.....	.....	fg.	.....	.....	inap.	inap.	dense fog....	B. O. Lenoir.
Block Island, Rhode Island	29.80	756.9	29.83	757.7	46.0	7.8	93	n.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy.....	J. T. Elker.
Boise City, Idaho.....	27.16	689.9	30.00	762.0	39.0	3.9	70	sw.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	James Keneely.
Boston, Massachusetts.....	29.70	754.4	29.86	758.4	41.2	5.1	99	n.	11	4.9	.....	.....	10s;fg	.....	n;nw.	0.20	5.1	cloudy.....	O. B. Cole.
Brownsville, Texas.....	29.71	754.6	29.77	756.1	73.2	22.9	97	se.	12	5.4	.....	.....	10 k	.....	se.	0	0	cloudy.....	John McGlone.
Buffalo, New York.....	29.38	746.2	30.14	765.5	35	1.7	94	w.	2	0.9	.....	0	9 s	.....	w.	0.07	1.8	cloudy.....	D.Cuthbertson.
Buford, Fort, Dakota.....	28.13	714.5	30.23	767.8	33.3	0.7	100	nw.	19	8.5	.....	.....	10 n	.....	nw.	inap.	inap.	light snow..	A. Schneider.
Cairo, Illinois.....	29.62	752.3	30.02	762.5	50.5	13.6	83	se.	8	3.6	.....	.....	10 n	.....	se.	0.13	3.3	light rain....	W. H. Ray.
Canby, Fort, Washington Ter	30.00	762 0	30.20	767 1	43.0	6.1	91	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	J.H.Young.
Cape Henry, Virginia.....	30.08	764.0	30.10	764.5	53.0	11.7	65	w.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	A. K. Alderson.
Cape May, New Jersey.....	29.98	761.5	30.01	762.2	46.3	7.9	68	nw.	27	12.1	.....	0	4 s	.....	nw.	0	0	fair.....	W.E.Smith.
Cape Mendocino, California	29.37	746.0	30.06	763.5	44.2	6.8	83	nw.	17	7.6	.....	0	5 s	.....	.....	0	0	fair.....	A. P. Leavitt.
Cedar Keys, Florida.....	30.08	764.0	30.10	764.5	70.4	21.3	87	e.	7	3.1	.....	0	0	.....	.....	inap.	inap.	clear.....	G. W. Davis.
Charleston, S. Carolina.....	30.02	762.5	30.08	764.0	61.0	16.1	87	sw.	4	1.8	.....	5c;cs	0	w;nw.	.....	0	0	fair.....	J. H. Smith.
Charlotte, N. Carolina.....	29.28	743.7	30.14	765.5	52.0	11.1	59	ne.	4	1.8	.....	0	fg.	.....	.....	0	0	clear.....	D. O'Donoghue.
Chattanooga, Tennessee....	29.26	743.2	30.09	764.3	52.0	11.1	85	e.	2	0.9	.....	9 cs	fg.	w.	.....	0	0	cloudy	B. L. Goulding.
Cheyenne, Wyoming.....	23.95	608.3	29.97	761.2	34.3	1.3	81	ne.	8	3.6	.....	.....	10 s	.....	.....	0.04	1.0	cloudy.....	E. McGovern.
Chincoteague, Virginia.....	29.37	746.0	30.10	764.5	42.2	5.7	79	e.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	T.B.Jennings.
Cincinnati, Ohio.....	30.03	762.7	30.05	763.3	48.7	9.3	73	nw.	10	4.5	.....	0	hz.	.....	.....	0	0	clear.....	C. F. Dickens
Cleveland, Ohio.....	29.49	749.0	30.16	766.1	49.8	9.9	74	e.	2	0.9	.....	3 c	4 s	n.	e.	0	0	fair.....	L.Dunne.
Columbus, Ohio.....	29.44	747.8	30.20	767.1	39.0	3.9	88	nw.	4	1.8	.....	.....	10 s	.....	nw.	0	0	cloudy	W.Line.
Concho, Fort, Texas.....	29.31	744.5	30.18	766.6	38.6	3.7	77	n.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	F.T. Williams.
Custer, Fort, Montana.....	27.87	707.9	29.81	757.2	60.3	15.7	93	s.	14	6.3	.....	.....	10 s	.....	s.	0.50	12.7	cloudy.....	C. E. King.
Davenport, Iowa.....	27.09	688.1	30.27	768.8	32	0.0	81	n.	19	8.5	.....	.....	10 ks	.....	.....	0	0	threatening.	W.J.Daily.
Davis, Fort, Texas.....	29.34	745.2	30.01	762.2	47.0	8.3	86	e.	13	5.8	.....	.....	10 s	.....	e.	0.06	1.5	cloudy.....	R. R. Martin.
Dayton, Washington T'y...	25 04	636.0	29.82	757.4	53.0	11.7	83	calm	0	0	.....	10 cs	0	.....	.....	0	0	cloudy.....	J. Williams.
Deadwood, Dakota.....	28.39	721.1	30.15	765.8	36.6	2.6	96	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	H.S.Blandford.
Delaware Breakwater, Del	25.49	647.4	30.18	766.6	33.3	0.7	80	n.	3	1.3	.....	3 k	0	w.	.....	0.02	0.5	clear.....	G.Kingsbury.
Denver, Colorado.....	30.02	762.5	30.04	763.0	46.3	7.9	88	nw.	27	12.1	.....	0	1 k	.....	.....	0	0	clear.....	G.A.Martin.
Des Moines, Iowa.....	24.67	620 6	29.94	760.5	41.0	5.0	92	nw.	10	4.5	.....	.....	10 n	.....	.....	0.47	11.9	light rain....	F. M. Neal.
Detroit, Michigan.....	28.97	735.8	29.90	759 4	54.3	12.4	79	s.	7	3.1	.....	7 cs	3 s	nw.	.....	0.05	1.3	cloudy.....	F. W. Conrad.
Dodge City, Kansas.....	29.47	748.5	30.20	767.1	39.2	4.0	82	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear	N.B.Conger.
Dubuque, Iowa.....	27.19	690.0	29.83	757.7	48.5	9.2	80	nw.	10	4.5	.....	.....	10 ks	.....	w.	0	0	cloudy.....	J.E.Lanouette.
Duluth, Minnesota.....	29.32	744.7	30.05	763 3	45.4	7.4	76	e.	7	3.1	.....	.....	10 s	.....	se.	0.05	1.3	cloudy.....	A.W.Browne.
Eastport, Maine.....	29.29	744.0	30.06	763.5	33.8	1.0	90	ne.	9	4.0	.....	.....	10 n	.....	.....	0.20	5.1	light rain....	E.R.Brace.
Elliott, Fort, Texas.....	29.91	759 7	29.98	761.5	35.0	1.7	94	ne.	40	17.9	.....	.....	10 n	.....	ne.	0.16	4.1	light rain....	D. C. Murphy.
El Paso, Texas.....	27.01	686.0	29.79	756.7	53	11.7	44	w.	8	3.6	.....	.....	10 s	.....	s.	0	0	cloudy.....	J. O. Rickli.
Erie, Pennsylvania.....	26.12	663.4	29.86	758.4	47.2	8.4	49	w.	2	0.9	.....	3 c	0	w.	.....	0	0	clear.....	F.Belford.
Escanaba, Michigan.....	29.41	747.0	30.16	766.1	40.2	4.6	87	calm	0	0	.....	.....	10 s	.....	.....	0.03	0.8	cloudy.....	P.Wood.
Fort Smith, Arkansas.....	29.50	749 3	30.19	766.8	29.7	— 1.3	78	n.	4	1.8	.....	10 ck	0	nw.	.....	inap.	inap.	cloudy.....	L.M.Pindell.
Galveston, Texas.....	29.33	745.0	29.81	757.2	68.3	20.2	74	calm	0	0	.....	.....	10 s	.....	s.	0	0	cloudy.....	J. B. Campbell.
Grand Haven, Michigan.....	29.85	758.2	29.89	759.2	72.2	22.3	90	se.	11	4.9	.....	1 ck	6 ks	sw.	se.	0	0	fair.....	E. O'C. Macinerney
Grant, Fort, Arizona.....	29.47	748.5	30.16	766.1	37.1	2.8	82	ne.	7	3.1	.....	0	8 s	.....	ne.	inap.	inap.	cloudy	Joseph E. Mueller.
Hatteras, North Carolina....	25.09	637.3	29.82	757.4	41.3	5.2	47	n.	6	2.7	.....	0	0	.....	.....	0.11	2.8	clear.....	Chas. A. Read.
	30.09	764.3	30.10	764.5	55.1	12.8	62	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Clouds. Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	26.10	662.9	30.31	769.9	28.5	− 1.9	66	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.53	724.6	29.98	761.5	45	7.2	100	n.	11	4.9	.....	.....	10 s	.....	.....	0	0	threatening.	S. W. Glenn.
Indianapolis, Indiana	29.28	743.7	30.10	764.5	49.0	9.4	61	se.	4	1.8	.....	.....	10 s	.....	se.	0	0	cloudy	C. F. R. Wappenhans
Indianola, Texas	29.77	756.1	29.80	756.9	71.6	22.0	98	se.	20	8.9	.....	0	3 k	.....	sw.	0	0	clear	I. A. Reed.
Jacksonville Florida	30.07	763.8	30.11	764.8	62.4	16.9	87	calm	0	0	.....	0	fg.	.....	.....	inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	29.26	743.2	29.92	760 0	53.0	11.7	86	e.	3	1.3	.....	0	8 k	.....	w.	0.05	1.3	cloudy	F. Z. Gosewisch.
Key West, Florida	30.06	763.5	30.08	764.0	77.9	25.5	74	e.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	30.09	764.3	30.11	764.8	56.0	13.3	46	ne.	8	3.6	.....	6 ck	0	ne.	.....	0	0	fair	Wesley Blake.
Knoxville, Tennessee	29.08	738.6	30.12	765.0	47	8.3	85	ne.	3	1.3	.....	3 c	0	.....	.....	inap.	inap.	clear	J. A. Cody.
La Crosse, Wisconsin	29.20	741.7	30.00	762.0	47.2	8.4	86	se.	6	2.7	.....	.....	10 n	.....	.....	0.22	5.6	light rain	S. C. Emery.
Leavenworth, Kansas	28.93	734.8	29.84	757.9	56	13.3	83	se.	4	1.8	.....	4 c	3 s	sw.	s.	0.98	24.9	fair	C. Dill.
Lewiston, Idaho	29.34	745.2	30.19	766.8	41.0	5.0	82	se	2	0.9	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.56	750.8	29.88	758.9	63.3	17.4	97	se.	4	1.8	.....	.....	10 n	.....	.....	1.88	47.8	heavy rain	W. U. Simons.
Los Angeles, California	29.66	753.4	30.06	763.5	46.5	8.1	93	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	T. S. Collins.
Louisville, Kentucky	29.50	749.3	30.08	764.0	51.0	10.6	79	ne.	5	2.2	.....	.....	9 s	.....	.....	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.41	747.0	30.12	765.0	46.0	7.8	76	n.	1	0.4	.....	0	sk.	.....	.....	0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.54	750.3	30.22	767.6	32.8	0.4	77	se.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	D. B. Notson.
Macon, Fort, North Carolina	30.09	764.3	30.10	764.5	56.0	13.3	80	ne.	5	2.2	.....	0	hz.	.....	.....	0	0	clear	William Daly.
Maginnis, Fort, Montana	25.71	653 0	30.21	767.3	18.7	− 7.4	58	nw.	12	5.4	.....	.....	10 k	.....	nw.	0.02	0.5	cloudy	F. Burke.
Marquette, Michigan	29.42	747.3	30.17	766.3	31.8	− 0.1	70	calm	0	0	.....	1 c	0	se.	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.66	753.4	30.00	762.0	61.5	16.4	81	w.	4	1.8	.....	.....	10 n	.....	.....	0.15	3.8	thund'r st'm	D. T. Flannery.
Milwaukee, Wisconsin	29.36	745.7	30.13	765.3	36.3	2.4	88	e.	7	3.1	.....	.....	10 s	.....	e.	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	29.98	761.5	30.02	762.5	66.9	19.4	78	e.	3	1.3	.....	3 k	3 ks	sw.	.....	0	0	fair	H. U. Jones.
Montgomery, Alabama	29.81	757.2	30.04	763.0	63.1	17.3	65	se.	6	2.7	.....	5 cs	0	sw.	.....	0	0	fair	S. M. Leitzell.
Moorhead, Minnesota	28.94	735 1	29.97	761.2	42.7	5.9	95	n.	1	0.4	.....	.....	10 s	.....	.....	0.43	10.9	cloudy	L. M. Dey.
Mt. Washington, N. H.	23.62	599.9	30.03	762.7	29.0	− 1 7	100	e.	30	13.4	.....	.....	10n;fg	.....	e.	0.50	12.7	light snow	E. A. Beals.
Nashville, Tennessee	29.40	746.7	29.98	761.5	53.0	11 7	82	e.	6	2.7	.....	7 ck	0	w.	.....	inap.	inap.	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.77	756 1	29.89	759.2	44	6.7	75	nw.	14	6.3	.....	.....	10 s	.....	nw.	0.02	0.5	cloudy	J. H. Sherman.
New London, Connecticut	29.80	756.9	29.85	758.2	47.8	8.8	86	nw.	8	3.6	.....	.....	10 s	.....	w.	0.10	2.5	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.91	759.7	29.97	761.2	71.8	22.1	93	s.	6	2.7	.....	.....	10s;fg	.....	.....	0	0	cloudy	M. Herman.
New York, New York	29.78	756.4	29.96	761.0	44.3	6.8	70	nw.	11	4.9	.....	.....	10n;fg	.....	.....	inap.	inap.	light rain	W. Finn.
Norfolk, Virginia	30.06	763.5	30.09	764.3	53.7	12.1	73	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	Wm. Davis.
North Platte, Nebraska	26.97	685.0	29.93	760.2	47.6	8.7	77	n	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	E. F. Brady.
Olympia, Washington T'y	30.14	765.5	30.18	766.6	38.5	3.6	86	calm	0	0	.....	0	4 k	.....	w.	0	0	fair	J. Dascomb
Omaha, Nebraska	28.64	727 4	29.85	758.2	57.0	13.9	82	se.	2	0.9	.....	.....	10 ks	.....	se.	0.20	5.1	cloudy	A. Pollak
Oswego, New York	29.76	755.9	30.10	764.5	38.2	3.4	94	nw.	2	0.9	.....	.....	fg.	.....	nw.	0.01	0.3	dense fog	J. G. Linsley.
Palestine, Texas	29.29	744.0	29.85	758.2	69.5	20.8	93	se.	7	3.1	.....	.....	10 s	.....	se.	0.02	0.5	cloudy	P. T. Jenkins.
Pensacola, Florida	30.02	762.5	30.05	763.3	65.3	18.5	88	e.	3	1.3	.....	3 cs	2 k	.....	w.	0	0	fair	M. McGauran.
Philadelphia, Pa	29.90	759.4	30.03	762.7	45	7.2	76	nw.	14	6.3	.....	0	1ks;hz	.....	nw.	0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.64	448.0	29.92	760.0	9.0	−12.8	87	sw.	11	4.9	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	H. Hall.
Pittsburg, Pennsylvania	29.31	744.5	30.14	765.5	42.7	5.9	82	n.	4	1.8	.....	.....	10 s	.....	nw.	0	0	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	25.1	− 3.8	96	.....	.....	.....	.....	0	8 ks	.....	.....	0	0	cloudy	Geo. A. Carden.
Port Huron, Michigan	29.44	747.8	30.14	765.5	31.0	1.1	88	ne.	4	1.8	.....	0	5 ks	.....	n.	0	0	fair	M. H. Perry
Portland, Maine	29.86	758.4	29.91	759.7	44.1	6.7	92	ne.	18	8.0	.....	.....	10n;fg	.....	ne.	0.90	22.9	light rain	W. W. Eichelberger.
Portland, Oregon	30.08	764.0	30.15	765.8	41.6	5.3	87	calm	0	0	.....	0	0	.....	.....	0	0	clear	M. L. Hearne.
Prescott, Arizona	24.57	624.1	29.84	757.9	29.5	− 1.4	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Glover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. N. Kitchel.
Red Bluff, California	29.72	754.9	30.08	764.0	45	7.2	93	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.55	750.6	29.79	756.7	78.0	25.6	77	se.	10	4.5	.....	.....	fg.	.....	se.	0	0	dense fog	L. G. Schultz.
Rochester, N. Y	29.45	748.0	30.14	765.5	36.4	2.4	100	nw.	10	4.5	.....	.....	10n;fg	.....	.....	0.07	1.8	light rain	E. W. McGann.
Roseburg, Oregon	29.58	751.3	30.14	765.5	36.3	2.4	88	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. J. Nanry.
Sacramento, California	29.99	761.7	30.06	763.5	49.0	9.4	89	s.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. A. Barwick
St. Louis, Missouri	29.28	743.7	29.92	760.0	57.3	14.1	84	se.	19	8.5	.....	0	6 k;s	.....	sw.	0.24	6.1	fair	J. H. Weber.
St. Michael, Fort, Alaska	30.45	773.4	30.48	774.2	5.8	−14.6	85	n.	28	12.5	.....	0	0	.....	.....	inap.	inap.	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.04	737.6	29.92	760.0	50.5	10.3	82	se.	11	4.9	.....	.....	10 ks	.....	se.	0	0	cloudy	P. F. Lyons.
St. Vincent, Minnesota	29.14	740.1	30.05	763.3	32.5	0.3	100	nw.	6	2.7	.....	.....	fg.	.....	.....	0.03	0.8	dense fog	C. B. Dilley.
Salt Lake City, Utah	25.52	648.2	29.89	759.2	40.4	4.7	64	calm	0	0	.....	0	4 k	.....	w.	0.31	7.9	fair	J. Craig.
San Diego, California	29.95	760.7	30.02	762.5	49.3	9.6	89	n.	4	1.8	.....	0	8 k	.....	nw.	0.02	0.5	cloudy	F. R. Day.
Sandusky, Ohio	29.45	748.0	30.15	765.8	42	5.6	74	ne.	3	1.3	.....	.....	10 s	.....	ne.	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.94	760.5	29.97	761.2	45.5	7.5	76	nw.	21	9.4	.....	.....	10 ks	.....	nw.	0	0	cloudy	V. P. Chappel.
Sanford, Florida	30.04	763.0	30.09	764.3	67.0	19.4	90	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	30.02	762.5	30.09	764.3	51.0	10.6	86	sw.	4	1.8	.....	0	2 fg.	.....	sw.	0	0	clear	N. Gorom.
Savannah, Georgia	29.99	761.7	30.08	764.0	65	18.3	70	sw.	6	2.7	.....	3 c	hz.	w.	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.75	679.4	30.42	772.7	27.5	− 2.5	88	ne.	2	0.9	.....	0	8 s	.....	.....	0	0	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.63	752.6	29.87	758.7	72.2	22.3	84	s.	12	5.4	.....	.....	10 s	.....	s.	inap.	inap.	cloudy	E. N. Meekins.
Sitka, Alaska	30.11	764.8	30.18	766.6	33.5	0.8	45	e.	5	2.2	.....	0	0	.....	.....	0	0	clear	F. W. Fickett.
Smithville, North Carolina	30.07	763.8	30.11	764.8	53.8	12.1	81	n.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	O. Parker.
Spokane Falls, Wash. Ter.	28.10	713.7	30.16	766.1	35.0	1.7	94	se.	1	0.4	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.30	744.2	30.00	762.0	55.1	12.8	80	se.	7	3.1	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	W. Norrington.
Stockton, Fort, Texas	26.80	680.7	29.83	757.7	53.8	12.1	44	sw.	6	2.7	.....	0	5 s	.....	w.	0	0	fair	J. W. Byram.
Tatoosh Id., Wash. Ter	30.09	764.3	30.18	766.6	44.0	6.7	85	e.	7	3.1	.....	0	1 s	.....	e.	0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.16	689.9	29.89	759.2	36	2.2	64	calm	.....	.....	0	0	0	.....	.....	0.20	5.1	clear	R. C. Lord.
Toledo, Ohio	29.47	748.5	30.18	766.6	39	3.9	73	calm	0	0	.....	4 cs	sk.	.....	e.	0	0	dense smoke	A. Buell.
Unalashka, Alaska	29.78	756.4	29.80	756.9	41	5.0	92	s.	4	1.8	.....	.....	10 s	.....	.....	0.57	14.5	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.71	754.6	29.97	761.2	68	20.0	70	s.	9	4.0	.....	.....	10 s	.....	s.	0.08	2.0	cloudy	F. W. Mixer.
Washington, D. C.	29.97	761.2	30.09	764.3	50.0	10.0	64	nw.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.90	657.8	29.84	757.9	45.5	7.5	86	nw.	7	3.1	.....	0	9k; s	.....	n.	0	0	cloudy	F. H. Brandenburg.
Wilmington, N. Carolina	30.06	763.5	30.12	765.0	54.0	12.2	74	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.57	725.7	29.91	759.7	47.6	8.7	94	nw.	5	2.2	.....	hz.	0	.....	.....	0	0	clear	E. H. Thompson.
Yuma, Arizona	29.76	755.9	29.91	759 7	55.5	13.1	53	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	W. S. Delano.
Sub-series.																			
Behring Island, Kamchatka	29.79	756.7	29.81	757.2	29.0	− 1.7	.....	n.	14	6.3	.....	.....	10 n	.....	n.	inap.	inap.	cloudy	George Cheruick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	85	29.4	.....	nw	.....	.....	2	0	8 ks	.....	ne.	0	0	cloudy	W. F. Jackson.
Bogota, U. S. C	21.99	558.5	.....	.....	55 4	13.0	87	se.	2	1	.....	.....	10 pk	.....	.....	0.689	17.5	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.23	707.8	30.38	771.6	34	1.1	100	se.	6	2.7	.....	.....	10 s	.....	e.	0.13	3.3	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.00	762.0	75	23.9	72	n.	1	0.4	.....	1 cs	0	.....	.....	0	0	fine	Robert Johnston.
Paramaribo, S. A	29.98	761.5	29.98	761.5	79	26.1	87	se.	.....	.....	2	5 ck	4 s	e.	.....	0.090	2.3	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.44	747.8	30.00	762.0	74	23.3	94	s.	.....	.....	1	.....	10 k	.....	calm	0.67	17.0	cloudy	Francisco J. Olsn[illegible]
Rivas, Nicaragua, C. A.	29.84?	757.9?	30.00?	762.0?	76.5	24.7	83	ne.	.....	.....	1	5 ck	.....	se.	.....	0	0	.....	Earl Flint.
York Factory, B. A	30.39	771.9	30.46	773.7	− 9.5	−23.1	78	w.	10	4.5	.....	1 c	1 s	w.	w.	0	0	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Nuós, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Force.	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, off Jeremie, Hayti, W. I. *	29.97	761.2	70	21.1		sw.			4–5		8		wsw.	0	0	short	w	hazy.
S. S. Alps, N. 22° 34′, W. 74° 25′*†	30.11	764.8	80	26.7		e.			2		2		e.	0	0	sm'h	e.	clear.
S. S. City of Washington, N. 18° 41′, W. 92° 44′*†	30.00	762 0	82	27.8		e.			4		5		ese.	0	0			fine.
S. S. Canada, (Fr) N. 41° 24′, W. 45° 07′			64	17.8	100	ene.			4		5		ne.	4 h'r	4 h'r	light	ene.	fine.
S. S. Circassian, N. 37° 20′, W. 74° 20′	30.06	763.5	50	10.0	100	w.			2		2		w.			sm'h		blue sky
S. S. Cienfuegos, N. 26° 22′, W. 78° 50′			80	26.7		ne.			2		1		ne.	1 h'r	1 h'r	small	ene.	clear
Bk. C. S. Bushnell, N. 40° 21′, W. 31° 23′	30.04	763.0				nne.			6		8		nne.	light	light	long	ne.	rainy.
S. S. Denmark, N. 40° 40′. W. 71° 48′ †	29.85	758.2	45	7.2	100	wnw.			4		10		calm	4 h'r	4 h'r	sm'll		cloudy.
S. E. B. Sutton, N. 39° 25′. W. 65° 45 *†	29.82	757.4				wsw.			3		8		w.	4 h'r	4 h'r	mod.	sw.	misty.
S. S. Elbe, N. 49° 39′, W. 7° 30′	29.94	760.5	44.6	7.0		ese.			6		4?		e.	4 h'r	4 h'r	r'gh	e.	cloudy.?
S. S. Eider, N. 49° 40′, W. 8° 48′ *	29.95	760.8	44.6	7.0		ne			6		4?		ne.	0	0	high	ne.	cloudy?
S. S Egypt, N. 51° 20′, W. 17° 33′			52	11.1		ne.			3				ne.	0	0	mod.	ne.	fair.
S. S. Fulda, N. 40° 29′, W. 68° 44′	29.75	755.6	42.8	6.0	100	sw.			1		10			2 h'r	2 h'r	sm'h	sw.	foggy.
S. S. Gellert, N. 46° 36′, W. 65° 12′	29.76	755.9	60.2	15.7		s.			2		1?		sw.	3 h'r	3 h'r	mod.	se.	covered.?
S. S. Gallia, N. 40° 50′, W. 65° 46′	29.77	756.1	53	11.7		calm			0		10			sh'rs	sh'rs	sm'h		gloomy.
S. S. Lord Clive, N. 50° 55′, W. 15° 44′						ne.			5		4		ne.	0	0	mod.	ene.	fine.
S. S. Lone Star, N. 34° 22′, W. 76° 22′			62	16.7		ne.			3		0			0	0	sm'h		clear.
S. S. Nurnberg, N. 41° 11, W. 50° 07′	30.10	764.5	51.8	11.0		e.			2		2		e.	0	0	mod.	s.	foggy.
S. S. Nova Scotian, St. Johns, N. F.			38	3.3		ne.			2		fg.							dense fog.
S. S. Nessmore, N. 41° 54′, W. 43° 55′	30.14	765.5	63	17.2	89	e.			5		6		e.	4 h'r	4 h'r	mod.	e.	fair.
S. S. Normandie, N. 40° 58′, W. 60° 10′			57.2	14.		sse.			4		7		se.	0	0	h'vy	s.	misty.
S. S. Orinoco, N. 38° 26′, W 71° 40′†	29.94	760.5	60	15.6		nw.			4		5		nw.	0	0	high	nw.	fine.
S. S. Polynesian, N. 41° 32′, W 49° 34′	30.12	765.0	54	12.2		se.			2		3		se.	0	0	mod.	se.	clear.
S. S. P. Caland, N. 40° 20′, W, 67° 18′			61.2	16.2		sse.			5		8		sse.	0	c	4	w.	cloudy.
S. S. Republic, off Nantucket, Mass †	29.80	756.9	40	4.4		wnw.			4		10		nw.	sh'rs	sh'rs			overcast.
S. S. Rosse, N. 40° 22′, W. 70° 48′			46	7.8	77	w.			5		10			0	0	light	w.	overcast.
S. S. Rhaetia, N. 49° 52′, W. 49° 50′	29.90	759.4	49	9.4		ene.			4		5		e.	0	0	mod.	e.	fair.
S. S. Rhein, N. 45° 09′, W. 39° 54′..	30.30	769.6				ene.			4		4		ne.	0	0	sm'h	ne.	fair.
S. S. Salier, N. 45° 07′, W. 37° 48′	30.27	768.8				ne.			4–5		5		nne.	1 h'r	1 h'r	mod.	ne.	fair.
S. S. The Queen, N. 40° 41′, W. 59° 18′	30.06	763.5				se.			5		2		sse.	2 h'r	2 h'r	mod.	ene.	clear.
S. S. Vaderland, Delaware river *†	29.95	760.7	49	9.4		nw.			4		3		n.	6 h'	6 h'r	sm'h		
S. S. Weser, N. 39° 49′, W. 66° 54′	29.80	756.9	51.8	11.0		W.			4		10		W	3 h'r	3 h'r	4	w.	hazy.
S. S. Westernland, Antwerp, Belgium	29.91	759.7	42	5.6	74	ese.			5		5		ese.	0	0			fair.
S. S. Waesland, N. 44° 40′, W. 37° 15′	30.27	768.8	58	14.4		ne.			4		4		ne.	½h'r	½h'r	mod	n.	fair.
S. S. Lessing, N. 40° 17′, W. 67° 12′	29.69	754.1	46	7.8		sw.			3		10		sw.			mod.	sse.	foggy.
Bk. Alpha, N. 30° 50′, W 80° 50′ *†	30.08	764.0	70	21.1		calm			0		6			0	0	sm'h		hazy.
Schr Adda Doane, Port Antonio, Jamaica, W.I †	30.02	762.5				s.			2		2		se.	0	0			clear
S. S. America, N. 46° —′, W. 31° —′*	30.18	766.6	60	15.6		ene.			4		3		ene.	0	0	r'gh	e.	clear.
S. S. Caracas, La Guayra, Venezuela *†	30.00	762.0	77	25.0	86	ene.			3		0			0	0	light	ne.	hazy.
S. S. City of Merida, N. 19° 50′, W. 90° 40′			80.6	27.0		e.			4		1		e.	0	0	light	e.	clear.
S. S. Elysia, N. 40° 26′, W. 50° 27′ *	30.07	763.8	57	13.9		ene.			4		3		ene.			mod.	ne.	clearing.
S. S. Erin, N. 40° 28′ W. 69° 11′			44	6.7		s.			2		10			1 h'r	1 h'r	sm'h	se.	dense fog.
S. S. Foscolia, N. 31° 30′, W. 53° 12′†	29.86	758.4	66	18.9		nw.			4		8		nw.	0	0	sll't	n.	fine.
S. S. Grecian, N. 42° 20′, W. 50° 23	30.13	765.3	44	6.7	100	e.			1		5		ese.	2 h'r	2 h'r	mod.	e.	foggy.
S. S. Hohenstaufen, N. 40° 52′, W. 67° 58′	29.72	754.9	45	7.2		sw.			4		10		sw.			mod.	sw.	foggy.
S. S. Muriel, N. 26° 25′, W. 66° 56′	30.06	763 5	79	26.1		calm			0		0			0	0	mod.	e.	clear.
S. S. New York, N 33° 06′, W. 76° 45′*†	30.08	764.0	72	22.2		n.			3		2		n.			long	ne.	clear.
S. S. Ontario, N. 42° 29′, W. 57° 14′	30.21	767.3	37	2.8	90	e.			2		10			0	0	mod	se.	dense fog.
S. S. Pennsylvania, N. 50° 36, W. 16° 30′			49	9.4	78	ene.			5		3		e.	0	0	mod.	e.	clear.
Bk. Tros, N. 35° 25′, W, 74° 23′ *†	29.99	761.7	59	15.0		nnw.			5		4		nw.	0	0	r'gh	nw.	fair.
S. S. Werra, N. 41° 09′, W. 58° 59′*	30.06	763.5	59.0	15.0		se.			4		6		sse.	2 h'r	2 h'r	sm'h	se.	hazy.
U. S. S. Galena, St. Thomas, W. I*	30.02	762.5	76	24.4	82	ne.			1		8		n;e.			sm'h		fair.
U. S. S. Jamestown, St Kitts, W. I.	30.05	763.3	77	25.0	73	e.			2		5					sm'h		fair.
U. S. S. Kearsarge, N. 35° 10′, E. 30° 06′	29.97	761.2	66	18.9	89	e.			2		5		calm			sm'h		fair.
U. S. S. Lancaster, N. 35° 10′, E. 29° 56′	29.94	760.5	65	18.3	100	ne.			3		2					sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	29.80	756.9	46	7.8	62	n.			3		10							cloudy.
U. S. S. Pensacola, N. 12° 12′, W. 51° 09′†	30.01	762.2	78	25.6	82	ene.			3		5		ene.	0	0	sm'h		fair.
U. S. S. Portsmouth, N. 36° 20′, W. 73° 24′	29.99	761.7	54	12.2	87	nw.			4		2		nw.			long	nw.	clear.
U. S. S. Powhatan, Newport, R. I.	29.81	757.2	45	7.2	100	n.			3		10		wnw.					misty.
U. S. S. Quinnebaug, Alexandria, Egypt.	29.85	758 2	81	27.2	45	se.			1		2					sm'h		fair
U. S. S. Swatara, Matanzas, Cuba W. I.	30.05	763.3	75	23.9	90	se.			1		0			0	0	sm'h		clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I.	30.04	763 0	75	23.9	86	e.			2		0							clear.
U. S. S. Yantic, Matanzas, Cuba, W. I.	30.06	763.5	74	23.3	86	ese.			1		5?							fair ?
U. S. Navy Yard, *Portsmouth*, N. H *			42	5.6	91	ne.	31	13.9			10		ne.	0.25	6.3			cloudy.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′			75	23.9	60	ssw.			1		1	ssw.						blue sky.
H. M. S. Alecto, N. 5° 33, W. 0° 04′	29.81	757.2	85	29.4		ssw.			1		9					4	ssw.	d. clouds.
H. M. S. Himalaya, N. 50° 00′, W. 4° 30′	29.87	758 7	42	5.6	74	ne.			5		7					4	ne.	d. clouds.
H. M. S Inflexible, Corfu, Ionian Islands			71	21.7	90	sse.			4		5	sse.				3	sse.	squally.
H. M. S. Tyne, N. 32° 35′, E. 27° 39′	29.94	760.5	65	18.3	84	ese.			5–6		5	ene.				3	ese.	misty.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.82	757.5	85.1	29.5	82	nnw.			1		8		nw.			2	ese.	thnd'rst'rm.
S. S. British Prince, N. 38° 28′, W. 59° 24′ *	30.02	762.5			100	ne.			6		10		w.	4 h'r	4 h'r	h'vy	ne.	misty.
S. S. Ohio, (Am.) N. 42° 57′. W. 42° 01′			57	13.9	94	ene.			3		5?		ene.	0	0	mod.	ene.	clear.?
S. S. Scandinavian, Charlestown, Mass.	29.85	758 2	47	8.3		ne.			2		10		e.	sh'rs	sh'rs			misty.
S. S. Sardinian, N. 51° 48′, W. 25° 54′	30.17	766.3	51	10.6		nne.			4				e.	0	0	short	nne.	fair.
S. S. Athos, N. 17° 58′, W. 76° 46′						ne.			2		5		ne.	0	0	sm'h	ne.	fair.
S. S. Dorian, N. 40° 23′, W. 54° 30′	30.13	765.3	60	15.6		var.			2		10		se.	0	0	mod.	ne.	fine.
S. S. California, N. 44° 28′, W. 40° 29′						ne.			3		4		ne	0	0	mod	ene.	fair.
S. S. St. Laurent, N. 43° 32′, W. 45° 45′	30.17	766.3	60.8	16.		e.			3		1			3 h'r	3 h'r	r'gh	ssw.	clear.
S. S. Westphalia, N. 39° 56′, W. 52° 42′	30.06	763 5				e.			1		2			0	0	sm'h	s.	clear.
S. S. Venetian, N. 42° 15′, W. 54° 00′*	30.09	764.3	56	13.3		ne.			5		7		e.	0	0	mod.	e.	cloudy.
S. S. Sirius, N. 50° 50′, W. 6° 38′	30.08	764.0	49.9	9.9		e.			2		10			24 h'r	24 h'r	sm'h		foggy
S. S. Teniers, N. 45° 40′, W. 9° 26′	30.03	762.7				ene.			4		1		ene.	0	0	mod.	ene.	clear.
S. S. Gottardo, N. 35° 33′, W. 43° 06′*†	29.71	754.6	50.6	10.3	96	nne.			6		9 sn					4	ne.	squally.
S. S. Strassburg, N. 26° 26′, W. 20° 49′	30.00	762.0	64	17.8		e.			6		5		e.	6 h'r	6 h'r		ese.	
S. S. Belgenland, off Sandy Hook, N. J			73	22.8	46	ne.			0–1		2		calm	0	0	2	n.	clear.
S. S. Rhynland, N. 42 31′, W. 42° 35′			45	7.2	92	wnw.							nw.	0	0	sm'h		overcast.
S. S. Pennland, Antwerp, Belgium			60	15.6		ene.			3		1		ene.	0	0	mod	ene.	clear.
S. S. Amsterdam, N. 44° 47′, W. 34° 14′*			45	7.2	61	e.			4		3		ene.	0	0			fair.
S. S. W. A. Scholten, N. 46° 14′, W. 31° 20′	30.27	768.8	54.7	12.6	81	ne.			4		4		n.	0	0	light	n.	fair.
S. S. Zaandam, N. 52° 00′, E. 4° 00′	30.15	765.8	53.2	11.8	82	ne.			6		7		ne.	0	0	2	ne.	fair.
S. S. Saxon, Cross Ledge Light, N. J	29.98	761.5	46.4	8.0	66	e.			6		6		e.	0	0	long	e.	fair.
S. S. Baltic, N. 49° 41′, W. 20° 50′ *†						wnw.			2		5			0	0		s.	fair.
S. S. Salerno, N. 41° 26′, W. 58° 11′†	30.06	763.5				ene.			5		5		ene.	sh'rs	sh'rs	r'gh	ene.	fair.
Sg. Alcira, Maracaybo, Venezuela	30.15	765.8	46	7.8		e.			3		1		e.	0	0	mod.	e.	foggy.
S. S. Antonio Lopez, N. 34° 31′, W. 26° 18′			81	27.2		se.			2		10		se.	0	0			cloudy.
Schr. Arthur Burton, Manabo, Porto Rico, W. I†	29.96	761.0	59	15.0	85	calm			0		10			4 h'r	4 h'r	sm'h		cloudy.
Schr. Annie R. Lewis, Porto Plata, SanDomingo, W.I†	30.07	763.8				e.			4		4		ene.	0	0	chop	se.	fine.
Schr. Annie A. Holton, N 24° 52′, W. 78° 57′	30.02	762.5	79	26.1		se.			1		0			0	0			clear.
Bk. Aureola, N. 1° 05′, W. 27° 00′			80	26.7		ene.			1		2		e	0	0	sm'h		clear.
Bgt. Achsah, N. 35° 36′, W. 67° 43′ †	29.95	760.7	80	26.7	87	e.			3		10			4 h'r	4 h'r	mod	ne.	raining.
S. Annie, Bayonne, N. J	29.97	761.2	67	19.4		nw.			5		5?		nw.	1 h'r	1 h'r	mod.	nw.	clear ?
Bk. Adelaide, N. 25° 48′, W. 67° 13′	29.99	766.7				nnw.			2		8		nne.					cloudy.
			77	25.0		sse.			3		1		sw.	0	0	light	se.	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Schr. Abbie H. Gheen, Wilmington, Del*†	30.12	765.0	58	14.4	.....	nne.	.....	.....	4	.....	8	.....	ene.	0	0	.....	.....	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana*†	29.92	760.0	82	27.8	.....	calm	.....	.....	0	.....	9	.....	n.	4 h'r	4 h'r	sm'h	.....	smoky.
S. Cornelius, N. 21° 33′, W. 35° 59′*†	30.03	762.7	77	25.0	.....	w.	.....	.....	2	.....	5	.....	ene.	2 h'r	2 h'r	5	ne.	squally.
Bk. Diamant, N. 46° 15′, W. 22° 20′	.....	.....	53.2	11.8	76	ne.	.....	.....	5	.....	10	.....	ne.	rain	rain	mod.	ne.	hazy.
S. E. J. Spicer, N. 43° 39′, W. 28° 30′	30.05	763.3	55	12.8	93	ene.	.....	.....	5	.....	8	.....	ese.	1 h'r	1 h'r	mod.	ene.	squally.
S. Ismir, N. 23° 00′, W. 66° 25′	.....	.....	.....	.....	.....	se.	.....	.....	3	.....	10	.....	.....	light	light	mod.	s.	cloudy.
Bg. George, Block Island, R.I*†	29.89	759.2	.....	.....	.....	n.	.....	.....	3	.....	.....	.....	ene.	0	0	sm'h	.....	fair.
Bk. Gloire, N. 44° 12′, W. 41° 31′	30.21	767.3	56	13.3	87	ene.	.....	.....	7	.....	6	.....	n; se.	rain	rain	r'gh	ne.	cloudy.
S. Grecian, N. 49° 50′, W. 10° 00′ †	29.97	761.2	46	7.8	77	ene.	.....	.....	1	.....	0	.....	.....	light	light	.....	.....	blue sky.
Bk. Guleon, Barbadoes, W. I†	29.99	761.7	79	26.1	.....	ene.	.....	.....	6-7	.....	4	.....	wnw.	2 h'r	2 h'r	4	w.	squally.
S. Hedwig, N. 38° 08′, E. 9° 16′	29.64	752.9	59.5	15.3	92	wnw.	.....	.....	4	.....	4	.....	se.	0	0	.....	.....	fair
Bk. Hattie G. McFarland, Pascagoula, Miss	.....	.....	72	22.2	.....	se.	.....	.....	6	.....	7 k	.....	.....	.....	.....	4	w.	squally.
S. Henry, N. 38° 26′, E. 9° 13′	.....	.....	59.5	15.3	.....	w.	.....	.....	2	.....	5	.....	wsw.	0	0	.....	.....	fair.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	87	30.6	.....	ssw.	.....	.....	5	.....	4	.....	nw.	0	0	sm'h	.....	fine.
Bk. Ibis, N 35° 20′, W 72° 00′	.....	.....	63	17.2	.....	sw.	.....	.....	1	.....	5	.....	nnw.	0	0	light	se.	fair.
Schr. Jennie N. Huddell, N. 38° 00′, W. 75° 10′ †	30.09	764.3	50	10.0	.....	nnw.	.....	.....	0	.....	2	.....	n.	0	0	.....	.....	clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.06	763.5	.....	.....	.....	calm	.....	.....	3	.....	0	.....	.....	.....	.....	long	e.	clear.
Bg. John Welsh, jr, N. 19° 15′, W. 68° 08′†	30.05	763.3	.....	.....	.....	se.	.....	.....	1	.....	.....	.....	ne.	0	0	short	se.	fine.
Schr. John Bird, N. 29° 04′, W. 79° 14′*†	30.05	763.3	.....	.....	.....	ne.	.....	.....	0	.....	4	.....	ene.	½ h'r	½ h'r	sm'h	.....	fair.
Schr. Jenny Greenbank, Baracoa, Cuba, W. I*	30.03	762.7	76.5	24.7	.....	calm	.....	.....	0	.....	8	.....	.....	0	0	.....	.....	clear.
Schr. Jenny R. Morse, Darien, Ga†	30.02	762.5	.....	.....	.....	w.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	cloudy.
Lighthouse Tender Laurel, Dry Tortugas, Fla†	30.04	763.0	78	25.6	.....	e.	.....	.....	1	.....	8	.....	se.	0	0	sm'h	.....	fair.
Bg. L. F. Munson, N. 37° 30′, W. 74° 44′*†	30.10	764.5	49	9.4	.....	nw.	.....	.....	4	.....	2	.....	nw.	0	0	mod.	ene.	fair.
Bkt. Levanter, N. 10° 09′, W. 49° 50′	29.95	760.7	81	27.2	.....	ne.	.....	.....	3	.....	6	.....	ene.	0	0	mod.	ene.	fair.
Bkt. Levi S. Andrews, N. 39° 25′, W. 61° 08′	.....	.....	.....	.....	.....	sw.	.....	.....	4	.....	10	.....	wsw.	4 h'r	4 h'r	h'vy	wsw.	rainy.
Bkt. Levi S. Andrews, N. 39° 25′, W. 61° 08′	29.95	760.7	.....	.....	.....	wnw.	.....	.....	5	.....	.....	.....	wnw.	0	0	mod.	nw.	clear.
S. S. Mendoza, N. 37° 55′, W. 69° 53′ †	30.10?	764.5?	70?	21.1?	.....	ne.	.....	.....	2	.....	10	.....	.....	0	0	sm'h	.....	fine.
Schr. Martinique, N. 16° 13′, W. 55° 54′*†	30.00	762.0	.....	.....	.....	nne.	.....	.....	1	.....	3	.....	ene.	0	0	light	sse.	
Schr. Norena, Ponce, Porto Rico, W. I†	30.02	762.5	.....	.....	.....	nne.	.....	.....	3	.....	2	.....	nne.	⅛ h'r	⅛ h'r	light	nw.	clear.
Bk. Rosalie, N. 19° 37′, W. 49° 02′*†	29.58	751.3	57	13.9	.....	wsw.	.....	.....	4	.....	5	.....	w.	0	0	mod.	nw.	fair.
Bk. Rosina, N. 38° 18′, W. 11° 48′	29.91	759.7	80	26.7	.....	nne.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	fine.
Bkt. Rosebud, N. 8° 21′, W. 26° 41′*	29.72	751.8	61.2	16.2	87	wsw.	.....	.....	6	.....	4 k	.....	wsw.	0	0	cross	wsw.	clear.
S. Salisbury, N. 36° 07′, E. 0° 06′	30.02	762.5	54.2	12.3	.....	.....	.....	.....	6-7	.....	5	.....	.....	6 h'r	6 h'r	7	.....	squally.
Bk. Saga, N. 45° 59′, W. 22° 40′†	29.97	761.2	64	17.8	78	wsw.	.....	.....	4	.....	3	.....	w.	0	0	sm'h	.....	fair.
Bk. Sunbeam, N. 30° 22′, W. 20° 24′†	29.96	761.0	.....	.....	.....	nw.	.....	.....	3	.....	5	.....	wnw	0	0	.....	.....	fair.
S. Stephen D. Horton, New York, N. Y†	30.08	764.0	.....	.....	.....	ne.	.....	.....	3	.....	2	.....	ne.	0	0	.....	.....	
Bg. Teneriffe, N. 28° 05′, W. 74° 10′	30.10	764.5	78	25.6	.....	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Schr. Viola Reppard, Sagua la Grande, Cuba, W. I†	30.00	762.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	nw.	
Bk. Winifred, N. 35° 25′, W. 69° 05′*†	29.96	761.0	40	4.4	.....	ne.	.....	.....	2	.....	10	.....	ne.	4 h'r	4 h'r	.....	.....	cloudy.
Schr. John Bracewell, Dover, N. H†																		
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 23° 46′, E. 4° 55′	29.93	760.2	70	21.1	80	ese.	14	6.3	.....	.....	8	.....	ese.	0	0	long	ese.	fair.
H. M. S. Amethyst, Montevideo, Uruguay	30.14	765.5	57.5	14.2	69	e.	.....	.....	2	.....	5	ese.	.....	.....	.....	.....	.....	misty.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.17	766.3	63	17.2	.....	ese	.....	.....	2	.....	7	.....	.....	.....	.....	3	ssw.	blue sky.
H. M. S. Sylvia, S. 36° 05′, E. 14° 51′	30.18	766.6	61	16.1	67	ese.	.....	.....	1	.....	4	.....	sse.	rain	rain	.....	.....	d. clouds.
Bk. Achille F., S. 32° 15′, W. 48° 30′ *†	30.22	767.6	65	18.3	78	se.	.....	.....	4	.....	.....	.....	.....	.....	.....	.....	.....	
Bk. Bore, Rio de Janeiro, Brazil*†	30.27	768.8	80	26.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
S. Frank N. Thayer, S. 39° 43′, E. 1° 56′ *	30.19	766.8	56.5	13.6	97	wsw.	.....	.....	3	.....	10	.....	wsw.	0	0	mod.	var.	misty.
S. Gatherer, S. 44° 30′, W. 55° 00′†	30.10	764.5	50	10.0	86	wnw.	.....	.....	5	.....	9	.....	nw.	0	0	r'gh	s.	cloudy.
S. Ringleader, S. 24° 45′, W. 35° 00′†	29.95	760.7	82	27.8	64	sse.	.....	.....	2	.....	9	.....	nw.	0	0	sm'h	.....	fine.
S. S. Archimedes, (Br.) S. 19° 23′, W. 38° 36′	30.08	764.0	.....	.....	.....	se.	.....	.....	3	.....	8	nw.	se.	1¼ hr	1¼ hr	light	ese.	cloudy.
Bk. Xenia, S. 38° 12′, W. 13° 16′*†	30.12	765.0	65	18.3	.....	nw.	.....	.....	6	.....	1	.....	nw.	0	0	mod.	nw.	clear.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.83	757.6	78.3	25.7	71	wnw.	.....	.....	2	.....	0	.....	.....	0	0	1	.....	blue sky.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	30.01	762.2	47.5	8.6	66	e.	.....	.....	1	.....	10	.....	w.	0.25	6.3	.....	.....	gloomy.
U. S. S. Alert, Shanghai, China	30.13?	765.3?	57	13.9	94	ene.	.....	.....	1	.....	10	.....	ene.	.....	.....	.....	.....	cloudy.
U. S. S. Essex, Jaluit, Marshall Ids, Oceania	29.96	761.0	81	27.2	87	ne.	.....	.....	3	.....	2	.....	ne.	.....	.....	sm'h	.....	clear.
U. S. S. Juniata, Fernande Island, Corea	30.05	763.3	45	7.2	92	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Monocacy, Canton, China	30.01	762.2	70	21.1	90	s.	.....	.....	1	.....	10	.....	calm	light	light	.....	.....	cloudy.
U. S. S. Ranger, Fonseca Bay, C. A	29.97	761.2	78	25.6	78	e.	.....	.....	1	.....	5	.....	.....	0	0	sm'h	.....	fair.
U. S. S. Richmond, Singapore, Malay Peninsula	29.90	759.4	83	28.3	87	nw.	.....	.....	1	.....	5	.....	nw.	0	0	.....	.....	fair.
U. S. S. Trenton, N. 2° 49′, E. 109° 57′	29.91	759.7	84	28.9	91	calm	.....	.....	0	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
H. M. S. Audacious, Hong Kong, China	30.04	763.0	69	20.6	95	ne.	.....	.....	1	.....	10	.....	ene.	.....	.....	.....	.....	raining.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.11?	764.8?	60.5	15.8	80	calm	.....	.....	0	.....	10	.....	.....	.....	.....	I	.....	overcast.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.09	764.3	59.6	15.3	82	nne.	.....	.....	3	.....	4	sw.	.....	.....	.....	2	.....	misty.
H. P. M. S. Tamega, Macao, China	30.05	763.3	69.8	21.0	82	e.	.....	.....	2	.....	10	.....	.....	6 h'r	6 h'r	.....	.....	raining.
U. S. S. Palos, Shanghai, China	30.11	764.8	54	12.2	100	ene.	.....	.....	2	.....	8	.....	calm	.....	.....	.....	.....	fair.
U. S. S. Newbern, Guaymas, Mexico	.....	.....	70	21.1	40	nw.	.....	.....	2	.....	3	.....	nw.	0	0	light	nnw.	clear.
S. S. Arabic, N. 35° 09′, W. 130° 18′*†	30.06	763.5	58	14.4	87	ese.	.....	.....	4	.....	10	.....	se.	0	0	sm'h	.....	misty.
S. S. City of Chester, Eureka, Cal†	30.12	765.0	49	9.4	100	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	
S. S. Oregon, Columbia river, Oregon†	30.16	766.1	45	7.2	92	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Willamette, N. 42° 46′, W. 124° 48′ †	30.10	764.5	50	10.0	86	nne.	.....	.....	4	.....	0	.....	.....	0	0	mod.	n	clear.
S. S. Alameda, N. 32° 05′ W. 136° 53′ †	29.95	760.7	55	12.8	.....	nw.	.....	.....	4	.....	8	.....	wnw.	0	0	mod.	nw.	fine.
S. S. Orizaba, N. 32° 42′, W. 117° 20′ †	30.03	762.7	57	13.9	75	sw.	.....	.....	2	.....	8	.....	s.	0	0	light	sw.	cloudy.
S. S. State of California, N. 45° 10′, W. 124° 10′†	30.15	765.8	47	8.3	85	nw.	.....	.....	3	.....	0	.....	.....	0	0	mod.	nw.	clear.
S. S. City of Pekin, N. 47° 25′, W. 172° 00′ †	29.55	750.6	38	3.3	45	e.	.....	.....	4	.....	5	.....	e.	.....	.....	r'gh	var.	fair.
S. S. City of Rio de Janeiro, N. 30° 37′, E. 150° 49′ †	29.97	761.2	67	19.4	.....	e.	.....	.....	3	.....	10	.....	n.	.....	.....	sm'h	e.	overcast.
S. S. City of Sydney, N. 30° 58′, W. 139° 24′ *†	29.97	761.2	59	15.0	76	w.	.....	.....	2	.....	2 k	.....	unw.	.....	.....	light	nw.	clear.
S. S. City of Tokio, N. 37° 41′, W. 154° 56†	29.86	758.4	53	11.7	73	nnw.	.....	.....	2	.....	2	.....	sw.	0	0	long	w.	hazy.
S. S. Colima, N. 12° 42′, W. 88° 28′†	29.94	760 5	80	26.7	74	wsw.	.....	.....	5	.....	8	.....	ese.	0	0	small	se.	cloudy.
S. S. Granada, N. 35° 25′, W. 121° 11′ †	30.06	763.5	54	12.2	80	ese.	.....	.....	4	.....	8	.....	.....	0	0	mod.	wnw.	clear.
S. S. San Blas, N. 12° 31′, E. 85° 34′	.....	.....	80	26.7	96	nw.	.....	.....	4	.....	0	.....	.....	0	0	mod.	ne.	clear.
S. S. San José, N. 27° 50′, W. 115° 31′ †	30.03	762.7	59	15.0	95	ene.	.....	.....	6	.....	0	.....	.....	0	0	mod.	nw.	fair.
S. S. Zealandia, N. 28° 59′, W. 143° 41′	30.06	763.5	66	18.9	84	nw.	.....	.....	4	.....	4	.....	nw.	.....	.....	sm'h	nw.	fine.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao, Peru	30.01	762.2	76	24.4	76	nw.	.....	.....	4	.....	2	.....	nw.	.....	.....	.....	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.95	760.7	73	22.8	76	se.	.....	.....	1	.....	1	.....	.....	.....	.....	.....	.....	fair.
U. S. S. Onward, Callao, Peru *†	30.05	763.3	72	22.2	100	sse.	.....	.....	1	.....	5	.....	.....	.....	.....	long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.86	758.4	60	15.6	88	sse.	.....	.....	2	.....	10	.....	se.	.....	.....	h'vy	n.	cloudy.
U. S. S. Shenandoah, Sandy Point, Patagonia *	30.04	763.0	35	1.7	90	ne.	.....	.....	1	.....	10	.....	calm	.....	.....	sm'h	.....	clear.
U. S. S. Wachusetts, Valparaiso, Chili	29.89	759.2	61	16.1	88	w.	.....	.....	1	.....	0	.....	.....	.....	.....	h'vy	.....	overcast.
H. M. S. Nelson, Sydney, N. S. W	30.30	769.6	64	17.8	84	nw.	.....	.....	1	.....	10	.....	calm	.....	.....	.....	.....	overcast.
H. M. S. Sappho, Valparaiso, Chili	29.84	757.9	60	15.6	88	ese.	.....	.....	2	.....	10	.....	.....	.....	.....	6	n.	squally.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.97	761.2	61	16.1	.....	ne.	.....	.....	6	.....	8	n.	.....	.....	.....	.....	.....	misty.
S. S. Australia, Sydney, N. S. W *	30.13	765.3	65	18.3	94	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	
District No. 5—Indian Ocean.						se.	.....	.....	6	.....	4	.....	se.	2 h'r	2 h'r	.....	.....	
H. M. S. Euryalus, Massuah, Abyssinia	29.84	757.9	86	30.0	86	n.	.....	.....	2	.....	2	calm	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S. 7° 21′, E. 69° 34′	29.89	759.2	85.5	29.7	73	calm	.....	.....	2	.....	4	wsw.	.....	.....	.....	3	sse.	d. clouds.
H. M. S. Myrmidon, Suakin, Egypt	29.83	757.7	84.2	29.0	83	nne.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Broadale, N. 9° 33′, E. 62° 00′	.....	.....	86	30.0	.....	e.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bk. Childwall, off Kingston, N. S. W*	30.15	765.8	57	13.9	75	nw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	fine.
S. J. W. Gildemeister, S. 22° 05′, E 67° 50′	30.01	762.2	80.6	27	73	e.	.....	.....	6	.....	7	.....	n.	0	0	4	var.	d. clouds.
Bk. Nouva Margherita, S. 18° 26′, E. 87° 25′ *†	29.90	759.4	.....	.....	.....	ese.	.....	.....	4	.....	6 k	.....	e.	0	0	.....	s.	fair.
S. S. Lepanto, N. 18° 29′, E. 69° 44′	29.79	756.7	85	29.4	.....	wnw.	.....	.....	3	.....	.....	.....	s.	0	0	sm'h	.....	clear.
									1	.....	0	.....	.....	.....	.....	.....	.....	

International Chart I. April 18, 1884. Isobars and Isotherms.



By Order of the Secretary of War:
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 19, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
ALGERIAN.																			
Nemours	.....	.....	29.80	756.9	64.4	18.0	80	e.	.....	.....	1	.....	5	.....	.....	0	0	cloudy	Roziere.
Algiers	.....	.....	29.74	755.3	64.8	18.2	55	wsw.	.....	.....	6	.....	6	.....	.....	0.016	0.4	cloudy	Théve.
La Calle	.....	.....	29.71	754.6	74.1	23.4	80	ssw.	.....	.....	1	.....	4	.....	.....	0.098	2.5	cloudy	Fonfrède.
Tunis	.....	.....	29.73	755.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.90	759.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.85	758.3	64.0	17.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Biskra	.....	.....	29.84	757.9	76.3	24.6	52	s.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
AUSTRALIAN.								w.	.....	.....	1	.....	1	.....	.....	0	0	very fair	Gouzon.
Adelaide, South Australia	.....	.....	30.34	770.6	47.8	8.8	74	calm	0	0	.....	.....	0	.....	.....	0	0	clear	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.18	766.6	30.37	771.4	50	10.0	87	w.	10	4.5	.....	.....	2	.....	nw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.19	766.8	30.29	769.3	54.0	12.2	84	sse.	4	1.8	.....	.....	0	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	28.94	735.0	29.48	748.7	57.2	14.0	60	sw.	.....	.....	5	.....	10	.....	.....	0.024	0.6	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.78	730.9	29.56	750.8	34.9	1.6	85	ene.	15.0	6.7	.....	.....	10	.....	.....	0.165	4.2	.....	Dr. Wierzbiski
Eperies	28.59	726.1	29.47	748.4	45.3	7.4	77	n.	.....	.....	2	.....	10 s	.....	.....	0.091	2.3	.....	Julius Mikolik.
Gratz	28.22	716.8	29 45	748.0	51.8	11.0	84	e.	.....	.....	2	.....	10	.....	.....	0.559	14.2	.....	Andreas Rospini.
Hermannstadt	28.02	711.8	29.40	746.7	60.6	15.9	58	w	.....	.....	4	.....	10	.....	.....	0.055	1.4	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.20	716.2	29.56	750.8	38.5	3.6	87	wnw.	.....	.....	2	.....	10	.....	.....	0.185	4.7	.....	The Staff.
Lemberg	28 60	726.5	29.61	752.2	34.9	1.6	91	e.	.....	.....	2	.....	10	.....	.....	0.136	3.5	raining	Dr. T. Stanecki.
Pola	29.42	747.2	29.53	750.0	62.2	16.8	70	ssw.	.....	.....	3	.....	4	.....	.....	0.484	12.3	raining	I. R. Hydrographic Office.
Szathmar	28.87	733.2	29.32	744.6	59.0	15.0	82	e.	.....	.....	3	.....	8	.....	.....	0.638	16.2	.....	Joseph Midlinsky, S. J
Szegedin	29.11	739.4	29.38	746.3	61.5	16.4	65	sw.	.....	.....	3	.....	8	.....	.....	0.276	7.0	.....	Karl Stancel.
Trieste	29.45	747 9	29.54	750.4	59.0	15.0	71	sw.	.....	.....	2	.....	10	.....	.....	0.291	7.4	.....	Royal Academy.
Vienna	28.81	731.7	29.54	750.2	36.7	2.6	89	nw.	.....	.....	3	.....	10	.....	.....	0.823	20.9	raining	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	32.7	0.4	97	e.	.....	.....	2	.....	6	.....	.....	.....	.....	snowing	
Brussels	29.54	750.3	29.74	755.5	41.4	5.2	46	ne.	.....	.....	4	9	1	.....	ne.	0	0	.....	
Furnes	29.76	756.0	29.78	756.5	.....	.....	.....	ne.	.....	.....	3	.....	2	.....	.....	0	0	.....	
Maeseyck	29.02	752.3	29.74	755.5	44.4	6.9	59	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.83	757.7	29.93	760.2	44.7	7.1	84	ne.	8	3.6	.....	.....	7	.....	.....	0.035	0.9	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.91	759.7	44.7	7.1	65	nw.	7	3.1	.....	.....	6	.....	.....	.....	.....	d. clouds	John Hartnup.
Bolton, Sharples	29.35	745.5	29.89	759 2	44.5	6.9	64	nne.	6	2.7	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.50	749.3	29.90	759.4	45.7	7.6	63	ne.	.....	.....	2	.....	10	.....	.....	0.04	1.0	overcast	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.97	761.2	30.00	762.0	81.6	27.6	66	e.	.....	.....	2	.....	10	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	45.6	7.6	51	ne.	.....	.....	1.0	.....	2	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E	29.67	753 6	29.84	757.9	41.1	5.1	67	ne.	.....	.....	2	.....	5	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.64	752.8	29.88	758.9	43.9	6.6	48	e.	.....	.....	3	.....	9	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.64	702.0	29.95	760.7	81.0	27.2	74	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.89	759.2	29.93	760.2	46	7.8	69	n.	.....	.....	1	.....	7	.....	.....	0	0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.83	757.7	29.92	760.0	62.4	16.9	94	w.	.....	.....	4	.....	3	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.68	753.9	29.85	758.2	44.8	7.1	61	ene.	.....	.....	3	.....	9	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.52	749.8	29.82	757 4	44.0	6.7	88	ene.	.....	.....	3	.....	10	.....	.....	0	0	overcast	A. Collenette, F.R.M.S.
Kew, Observatory	29.82	757.4	29.86	758.4	41.9	5.5	48	ne.	15	6.7	.....	.....	9	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.62	752.3	29.85	758.9	45.0	7.2	61	ne.	.....	.....	1	.....	10	.....	.....	blank	blank	overcast	J. C. Smith.
Malta, Mediterranean	29.82	757.4	29.90	759.4	69.6	20.9	51	sw.	.....	.....	3	.....	8	.....	.....	0	0	overcast	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.99	761.7	30.04	763.0	77.5	25.3	76	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.64	752.8	29.87	758.7	43.9	6.6	52	ne.	.....	.....	4	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.78	756.4	29.86	758 4	43.1	6.2	53	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.86	758.4	29.96	761.0	45.9	7.7	71	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	showery	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.48	748.8	29.55	750.6	71.0	21.7	49	sw.	.....	.....	2	.....	1	.....	.....	.....	.....	misty	W. H. Lyne.
Sheffield	29.66	753.4	29.95	760.7	46.5	8.1	70	ne.	.....	.....	1	.....	9	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	29.88	758.9	29.91	759.7	50.1	10.1	79	n.	.....	.....	1	.....	9	.....	.....	.....	.....	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29 91	759.7	47.9	8.8	49	ne.	4	1.8	.....	.....	10	.....	.....	0	0	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	44.2	6.8	46	e.	.....	.....	2.5	.....	10	.....	.....	0	0	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.92	760.0	29.95	760.7	50.5	10.3	58	nne.	19	8.5	.....	.....	7	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.56	750.8	29.95	760.7	66.6	19.2	70	sw.	8.1	3.6	.....	4 c	0	W.	.....	0	0	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.86	758.4	29.98	761.5	67.8	19.9	83	e.	12	5.4	.....	.....	10 k	.....	sw.	0.038	1.0	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B	30.14	765.5	30.18	766.6	36.0	2.2	.....	n.	5	2.2	.....	.....	10 n	.....	.....	0.08	2.0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.07	763.8	30.11	764.8	40	4.4	93	e.	7	3.1	.....	.....	10 n	.....	calm	0	0	cloudy	H. J. Cundall, C. E.
Chatham, N. B	30.10	764.5	30.17	766.3	35	1.7	100	ne.	5	2.2	.....	.....	10 n	.....	ne.	0.08	2.0	cloudy	G. A. Blair.
Cornwall, Ontario	29.84	757.9	30.04	763.0	39.2	4.0	83	se.	.....	.....	1	.....	10 s	.....	.....	0.052	1.3	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. A. Johnson.
Father Point, Quebec	30.14	765.5	30.16	766.1	34	1.1	89	ne.	10	4.5	.....	.....	10 s	.....	calm	0	0	cloudy	J. McWilliams
Fort Garry, Manitoba	29.65	753.1	30.55	776.0	20	— 6.7	96	nw.	25	11.2	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	30.02	762.5	30.09	764.3	37.0	2.8	90	ne.	7	3.1	.....	.....	10 n	.....	.....	0.01	0.3	raining	Dr. Thos. Harrison.
Grand Manan, N. B	29.92	760.0	29.98	761.5	37	2.8	100	ne.	14	6.3	.....	.....	fg.	.....	.....	0.890	22.6	light rain	J. Chipman Seeley
Granton, Ontario	28.98	736.1	30.11	764.8	40.0	4.4	100	calm	0	0	.....	.....	10 n	.....	.....	0.37	9.4	overcast	Jas. Grant.
Halifax, N. S	29.91	759.7	30.04	763.0	43	6.1	96	ne.	17	7.6	.....	.....	fg.	.....	.....	0	0	dense fog	A. Allison.
Hamilton, Ontario	29.61	752.1	30.02	762.5	42.0	5.6	87	sw	.....	.....	1	10 cs	0	sw.	.....	0.396	10.1	overcast	Geo. Dickson, B. A.
Kingston, Ontario	29.71	754.6	30.06	763.5	42	5.6	93	ne.	3	1.3	.....	.....	10 k	.....	ne.	0	0	cloudy	A. P. Knight, M. A
Little Glace Bay, N. S	30.12	765.0	30.16	766.1	37.2	2.9	96	se.	.....	.....	1	.....	10 n	.....	.....	0	0	foggy	C. H. Rigby.
London, Ontario	29.19	741.4	30.11	764.8	41.5	5.3	90	calm	.....	.....	0	.....	10 n	.....	.....	0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T	28.01	711.4	30.42	772.7	26	— 3.3	96	e.	1	0.4	.....	0	0	.....	.....	0	0	blue sky	John Ewart.
Minnedosa, N. W. T	28.55	725.2	30.65	778.5	17	— 8.3	80	n	16	7.2	.....	0	0	.....	.....	0.05	1.3	clear	Rev. J. M. Wellwood.
Montreal, Quebec	29.86	758.4	30.07	763.8	38	3.3	86	ne.	9	4.0	.....	.....	10 s	.....	.....	0.11	2.5	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.86	758.4	30.08	764.0	41.1	5.1	88	ene.	.....	.....	.....	0	9 ks	.....	ne.	0	0	d. clouds	A. McGill, M. A.
Parry Sound, Ontario	29.38	746.2	30.10	764.5	34	1.1	88	calm	0	0	.....	3 k	0 ks	ne.	ne.	0	0	fair	Rev. R. Mosley.
Peterboro, Ontario	29.30	744.2	30.04	763.0	44.7	7.1	91	ne.	.....	.....	1	.....	10 k	.....	.....	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.38	740.2	30.09	764.3	39	3.9	82	w.	6	2.7	.....	5 cs?	5 nf	nnw.	.....	0.19	4.8	clear?	W. P. Cooke.
Port Dover, Ontario	29.36	745.7	30.07	763.8	42	5.6	83	calm	0	0	.....	.....	10 ks	.....	.....	0	0	cloudy	
Port Stanley, Ontario	29.40	746.7	30.06	763.5	41	5.0	89	e.	2	0.9	.....	.....	10 n	.....	ne.	0	0	cloudy	H. Morgan.
Qu Appelle, N. W. T	28.23	717.0	30.67	779.0	20	— 6.7	.....	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	M. Payne.
Quebec, Quebec	29.73	755.1	30.10	764.5	34	1.1	92	ne.	16	7.2	.....	.....	fg	.....	.....	fmap.	fmap.	dense fog	Leslie Gordon.
Rockliffe, Ontario	29.59	751.6	30.06	763.5	39	3.9	86	calm	0	0	.....	0	6 ks	.....	se.	0	0	fair	Capt. Ashe, R. N.
St. Andrews, N. B	29.91	759.7	29.96	761 0	38	3.3	95	ne.	8	3.6	.....	.....	fg	.....	.....	0.49	12.4	dense fog	W. H. McIntyre.
St. John, N. B	29.85	758.2	30.00	762.0	37.8	3.2	95	n	12	5.4	.....	.....	10 n	.....	.....	0.815	20.7	raining	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.20	767.0	39.2	4.0	.....	e.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	29.35	745.5	30.08	764.0	41	5.0	89	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	
Stratford, Ontario	28.77	730.7	30.08	764.0	42.3	5.7	85	calm	0	0	.....	.....	10 s	.....	.....	.....	.....	d. clouds	W. McBride, A.M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	30.13	765.3	30.19	766.8	36	2.2	92	n.	2	0.9	.....	.....	10 n	.....	.....	0	0	foggy.....	**T. C. Hill, C.E.**
Toronto, Ontario*	29.70	754 4	30.09	764.3	43	6.1	83	n.	3	1.3	.....	.....	10 ks	.....	.....	0	0	cloudy.....	**Magnetic Observatory.**
Woodstock, Ontario	29.03	737.3	30.11	764.8	42.5	5.8	91	s.	1.0	0.4	.....	10 cs	0	ne.	.....	0	0	overcast.....	**Prof. N Wolverton, M.A.**
Yarmouth, N.S*	29.84	757.9	29.91	759.7	43	6.1	96	e.	12	5.4	.....	.....	10 s	.....	e.	0	0	cloudy.....	**Lt. F. E. Wilmot, R. N.**
CAPE COLONY.																			
Cape St. Francis Lt. House	30.04	763.0	30.07	763.7	59.5	15.3	97	sw.	.....	.....	.....	.....	10	.....	.....	1.140	29.0	rain squalls	**I. Garfelt.**
Cape Town, The Castle	30.12	765.0	.....	.....	64.5	18.1	54	se.	.....	.....	.....	1 ck	0	.....	.....	0	0	.....	**Capt. R. Gardner Warton**
Springbok Fontein	27.89	708.4	.....	.....	72	22.2	39	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	**J. T. Eustace**
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	59.0	15.0	89	n.	.....	.....	6	.....	10 n	.....	n.	0	0	cloudy.....	**Leon Herrera.**
Valparaiso	29.90	759.4	30.04	763.0	59.9	15.5	94	se.	.....	.....	1	0?	0?	.....	.....	0.961	24.4	cloudy?.....	**Paez-I-Ampuero.**
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.98	761.5	30.00	762.1	53.8	12.1	91	sse.	7.2	3.2	.....	.....	2	.....	.....	0	0	fair.....	**M. Marc Dechevrens, S. J**
DANISH.																			
Copenhagen	29.87	758.7	29.92	759.9	36 5	2.5	55	n.	9	4.	.....	.....	0	.....	.....	.....	.....	.....	**Oversergent Fischer.**
Fanöe	29.89	759.1	29.91	759.6	41.4	5.2	58	w.	.....	.....	4	.....	1	.....	.....	.....	.....	.....	**Overloerer Lauridsen.**
Godthaab, Greenland	30.20	767.0	30.24	768.1	27.3	— 2.6	77	ne.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	**S. Kleinschmidt.**
Ivigtut, Greenland	29.97	761.1	29.98	761.6	37.0	2.8	.....	n.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.54	750.4	29.59	751.5	41.7	5.4	78	se.	.....	.....	4	.....	8	.....	.....	.....	.....	raining.....	**A. O. Thorlacius.**
Thorshavn	29.98	761.5	30.00	762.1	48.6	9.2	75	se.	16	7.	.....	.....	5	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	30.41	772.4	30.46	773 6	11.7	—11.3	.....	e.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	
Vestervig	29.78	756.4	29.87	758.7	40.1	4.5	90	wsw.	.....	.....	4	.....	10	.....	.....	.....	.....	raining.....	**Loerer Oesterbol.**
EGYPTIAN.																			
Cairo	29.72	754.9	.....	.....	103.1	39.5	.....	sw.	6.5	2.9	.....	0	4 s	.....	.....	0	0	.....	**Albert Ismaïun, Dir.**
FRENCH.																			
Agen, Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. Laboroue, Director.
Alençon, Normal School	29.22	742.1	29.77	756.1	45.3	7.4	91	ne.	.....	.....	1	.....	8 kn	.....	sw.	0	0	very cloudy	M. Nicot, Director.
Arras, Normal School	29.52	749.8	29.76	756.0	45.0	7.2	57	nw.	.....	.....	1	.....	2	n.	n.	0	0	slightly cl'dy	**M. Ungerer, Director.**
Avignon, Normal School	29.54	750 2	29.61	752.2	61.7	16.5	50	nnw.	.....	.....	2	.....	.....	.....	nnw.	0	0	.....	M. Giraud, Director.
Bar-sur-Seine	29.13	739.8	29.68	753.9	47.8	8.8	58	nne.	.....	.....	1	.....	10	.....	.....	0	0	covered.....	M. Saillard, Director.
Beauvais, Normal School	29.48	748.8	29.75	755.7	44.6	7	42	ne.	.....	.....	2	.....	2	.....	.....	0.012	0.3	slightly cl'dy	M. Frere Eugène Marie.
Besançon, Normal School	28.74	730.0	29.64	752.9	33.4	0.8	85	ene.	.....	.....	1	.....	10	.....	.....	0.47	12.	raining.....	M. Gobin, Director.
Bordeaux, Observatory	29.44	747.7	29.70	754.4	47.8	8.8	76	n.	.....	.....	1	.....	8	.....	.....	0	0	very cloudy	M. Rayet, Director.
Bourges, Normal School	29.66	738.0	29.61	752.1	54.0	12.2	72	e.	.....	.....	1	.....	5	.....	e.	0	0	cloudy	M. **Sauvageot, Director.**
Brest, Naval Observatory	29.62	752.4	29.87	758.6	47.1	8.4	61	nne.	.....	.....	2	.....	9	.....	nne.	0	0	.....	M. de Kermarrec, Dir.
Caen, Normal School	29.66	753.3	29.73	755.2	45.5	7.5	77	ne.	.....	.....	2	.....	8	.....	ne.	0	0	very cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.32	744.8	29.65	753.0	43.2	6.2	88	wnw.	.....	.....	2	.....	10	.....	.....	0.039	1.0	covered.....	M. Jadot, Director.
Charleville, Normal School	29.18	741.1	29.70	754 3	40.6	4.8	65	nne.	.....	.....	2	.....	10	.....	.....	0	0	covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.24	717.2	29.57	751.0	57.2	14.0	63	e.	.....	.....	1	.....	8	.....	.....	0.031	0.8	.....	M. Alluard, Director.
Cluny, Normal School	28.82	731.9	29.66	753.3	46.0	7.8	75	ne.	.....	.....	1	.....	10	.....	ne.	0.461	11.7	.....	M. de Villemonté, Dir.
Commercy, Normal School	28.83	732.2	29.69	754.0	39.6	4.2	80	ne.	.....	.....	4	.....	10 kn	ne.	ne.	0.04	1.	rain & snow	Dr. Coulet, Director.
Gap, Normal School	27.05	687.0	29.59	751.6	51.8	11	44	ue.	.....	.....	2	.....	7 kn	.....	sw.	0	0	.....	M. Jarach, Director.
Grénasque, du Rhone	28 47	723.2	29.58	751.2	58.8	14.9	50	nw.	.....	.....	4	.....	3	.....	nw.	0	0	.....	M. Kina, Director.
Grenoble. Normal School	28.87	733.2	29.63	752.5	51.8	11.	71	nnw.	.....	.....	4	.....	k	.....	sw.	0.248	6.3	.....	M. Ablard, Director.
Guéret, Normal School	28.05	712.5	29.62	752 3	47.3	8.5	70	n.	.....	.....	1	.....	kn	.....	n.	0.16	4.	.....	M. Delorme, Dir.
Lamballe Normal School	29.49	749.1	29.77	756.1	41.7	5.4	81	n.	.....	.....	1	.....	2 kn	.....	n.	0	0	slightly cl'dy	**M. Polipre, Dir.**
Lescar, Normal School	29.12	739.6	29.65	753.0	59.2	15.1	54	w.	.....	.....	1	.....	5 k	.....	.....	0.016	0.4	cloudy..	M. Chauvin, Director.
Lorient, Naval Observatory	29.69	754 0	29.79	756.6	47.5	8.6	42	ne.	.....	.....	2	.....	8	.....	n.	0	0	¾ covered...	**L. T. Carre, Director.**
Lyon, St. Genis-Laval	28.63	727.1	29.70	754.3	42.8	6.0	89	se.	.....	.....	1	.....	.....	.....	.....	0.295	7.5	foggy.....	M. André, Director.
Mans, Normal School	29.45	748.1	29.77	756.1	41.5	5.3	81	ne.	.....	.....	1	.....	5 n	.....	n.	0	0	cloudy.....	M. Richard, Director
Marseille, Observatory	29.27	743.5	29.54	750.3	61.2	16.2	46	wnw.	.....	.....	4	.....	1	.....	.....	0	0	.....	M. Stephan, Director.
Montlouis	24.48	621.8	29.32	744 8	39.7	4.3	78	e.	9.4	4.2	.....	.....	10	e	.....	0.532	13.5	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.46	748.2	29.57	751.0	61.2	16.2	89	s.	.....	.....	2	.....	5	w.	.....	0	0	cloudy.....	M. Gaizin, Director.
Nancy, Normal School	28 87	733 2	29 67	753.5	39.9	4.4	71	nw.	.....	.....	1	.....	10	.....	.....	.....	.....	rain & snow	**M. Hasse, Director.**
Nantes, Observatory	29.61	752 0	29.77	756.1	42.8	6.0	73	nnw.	.....	.....	0–1	.....	10 n	.....	nne.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29.52	749.9	29.63	752.7	60.4	15.8	54	calm	.....	.....	.....	.....	9	.....	wsw.	0.055	1.4	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20.79	528.0	.....	.....	23.0	— 5.0	.....	calm	.....	.....	0	.....	1	.....	sw.	0.295	7.5	clear.....	**M. Vaussenat, Director.**
Privas, Normal School	28.56	725.5	29.61	752.0	52.5	11.4	69	n.	.....	.....	1	.....	10	.....	n.	0	0	covered	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.75	628.6	.....	.....	33.8	1.0	100	e.	.....	.....	1	.....	8	.....	.....	0.035	0.9	.....	M. Alluard.
Rochefort, Naval Obs'y	29.69	754.1	29.72	754 9	48.2	9.0	71	n.	.....	.....	1	.....	10	.....	n.	0	0	covered.....	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.49	749.1	29.71	754.6	45.0	7.2	91	ne.	.....	.....	2	.....	.....	.....	ne.	0	0	.....	M. Brotlier, Director.
Rodez, Normal School	27.53	699.3	29.67	753 5	46.6	8.1	86	calm	.....	.....	0	.....	10	.....	.....	0.047	1.2	covered.....	M. Seger, Director.
Rouen, Normal School	29.70	754.4	29.75	755.6	48.2	9	46	ne.	.....	.....	4	.....	5	.....	nw.	0	0	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.56	750.7	29.72	754.9	47.1	8.4	46	n.	.....	.....	2	.....	10	.....	.....	0	0	covered	M. Renou, Director.
Toulouse, Observatory	29.00	736.5	29.71	754.6	55.4	13.0	70	nw.	.....	.....	1	.....	5	nw.	.....	0.012	0.3	cloudy	M. Baillaud, Director.
Tours	29.51	749.5	29.69	754.2	50.7	10.4	64	n.	.....	.....	1	.....	10	.....	n.	0	0	covered.....	M. de Tastes.
Versailles, Observatory	29.22	742.3	29.72	754.8	47.1	8.4	44	ne.	.....	.....	2	.....	0	.....	.....	0	0	clear.....	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.58	751.2	29.72	755.0	52.9	11.6	77	nw.	5.8	2.6	.....	.....	10 k	.....	sw.	0	0	misty.....	M. Carlier, Director.
GERMAN.																			
Ansbach	28.16	715 3	29.66	753.3	34.2	1.2	94	ne.	.....	.....	2	.....	10	ne.	.....	0.118	3.0	.....	Prof. Jnedt.
Bamberg	28 75	730 3	29.58	751.4	35.6	2.0	86	n.	.....	.....	3	.....	10	.....	.....	0.126	3.2	.....	Prof. Dr. Hoh.
Berlin	29.58	751.4	29.73	755.1	41.0	5.0	44	ne.	.....	.....	4	.....	10	.....	.....	0	0	.....	Meteorological Institute
Breslau	29.17	741.0	29.70	754.3	33.3	0.7	92	e.	.....	.....	2	.....	10	.....	.....	0.039	1.0	snowing.....	Royal University Obs'y
Carlsruhe	29.22	742.1	29.68	753 9	35.2	1.8	90	ne.	.....	.....	1	.....	10	ne.	.....	0.063	1.6	.....	Albert Senz.
Cassel	28.99	736.3	29.70	754.4	34.2	1.2	78	ne.	.....	.....	4	.....	10	ne.	.....	.....	.....	snow & sleet	Dr. H. Möhl.
Frankfort-on-the-Main	29.32	744 6	29.69	754.0	36.5	2.5	87	nne.	.....	.....	1	.....	10	.....	.....	0.102	2.6	.....	Physical Society.
Friedrichshafen	29.18	715.8	29.60	751.8	45.7	7.6	65	w.	.....	.....	3	.....	10	w.	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	29.76	755.8	29.85	758.1	39.7	4.3	52	ene.	.....	.....	2	.....	2	sw.	.....	0	0	.....	E. Preller.
Kiel	29.87	758.6	29.88	759 0	38.5	3.6	51	ene.	.....	.....	4	.....	3	.....	.....	0	0	.....	Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.28	743 8	29.72	754.8	34.0	1.1	79	nne.	.....	.....	3	.....	10	.....	.....	.....	.....	snowing.....	H. Leppig, Asst.
Magdeburg	29.55	750.5	29.73	755.2	41.0	5.0	51	ne.	.....	.....	3	.....	10	ne.	.....	0	0	.....	Weather Observatory.
Memel	29.93	760.3	29.98	761 5	40.1	4.5	42	e.	.....	.....	1	1 cs	.....	.....	.....	.....	.....	.....	Issermann.
Munich	27.70	705.2	29.60	751.8	41.2	5.1	75	nw.	.....	.....	2	.....	10	w.	.....	0.083	2.1	.....	Central Station.
Neufahrwasser	29.89	759.3	29.92	760.0	36.7	2.6	62	n.	.....	.....	3	.....	2	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.12	739.6	29.64	752.8	37.0	2.8	77	ne.	.....	.....	4	.....	10	ne.	.....	0.189	4.8	rain & snow	Prof. Dicknether.
Stuttgart	28.68	728.4	29.59	751.5	38.3	3.5	78	n.	.....	.....	1	.....	10	.....	.....	0.043	1.1	.....	Dr. L. Meyer.
Wustrow	29.84	757.8	29.86	758.4	37.9	3.3	58	ne.	.....	.....	3	.....	10 k	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.38	746.2	29.80	756.8	72.0	22.2	.....	w.	.....	.....	5.0	2	.....	.....	.....	0	0	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.73	755.0	29.78	756.3	83.2	28.4	52	sw.	30.0	13.4	.....	.....	7	wsw.	.....	0	0	misty.....	
Deesa	29.24	742.8	29.70	754.3	102.4	39.1	17	wsw.	11.0	4.9	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.76	756.0	29.80	757.0	83.3	28.5	78	nw.	19.0	8.5	.....	.....	0	.....	.....	0	0	blue sky.....	
Poona, Yarrowda	27.92	709 2	29.72	754.8	95.2	35.1	16	w.	17.0	7.6	.....	.....	0	.....	.....	0	0	blue sky	
Trichinopoly	29.54	750.2	29.81	757.1	98.5	36.9	35	ese.	0.3	0.1	.....	.....	4	nne.	nne.	0	0	d. clouds.....	
Bellary	28.27	718 1	29.68	753.9	100.0	37.8	17	nw.	6.0	2.7	.....	.....	5	.....	.....	0	0	d. clouds	
Belgaum	27.28	692.8	29.77	756.0	85.4	29.7	48	wsw.	11.0	4.9	.....	.....	2	.....	w.	0	0	d. clouds	
Lahore	28 97	735 7	29.69	754 1	93.1	33.9	32	calm	0	0	.....	.....	8	.....	.....	0	0	d. clouds.....	
Roorkee	28.78	731.1	29.65	753.2	94.6	34.8	8	w.	.....	.....	.....	.....	2	.....	.....	0	0	blue sky.....	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p.sec.	01–0	0–10	0–10	From.	From	Inch.	Mill.		
INDIAN.—Continued.																			
Agra	29.15	740.3	29.69	754.1	98.1	36.7	8	w.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.67	728.3	29.68	753.8	99.5	37.5	15	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Jubbulpore	28.38	720.8	29.69	754.1	94.9	34.9	9	n.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Lucknow	29.35	745.6	29.72	754.9	94.0	34.4	21	wnw	11.0	4.9	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.39	746.6	29.70	754.3	93.7	34.3	19	calm	0	0	.....	.....	1	.....	.....	0	0	d. clouds	
Patna	29.53	750.0	29.71	754.6	89.0	31.7	34	nne.	7.5	3.4	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.71	703 8	29.68	754.0	86.4	30.2	17	n.	8.0	3.6	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.64	752.9	29.72	755.0	86.5	30.3	56	wnw.	4.0	1.8	.....	.....	6	.....	.....	0	0	d. clouds	
Calcutta, Alipore	29.67	753.7	29.69	754.2	85.0	29.4	64	ssw.	12.0	5.4	.....	.....	0	.....	.....	0.52	13.2	blue sky	
Chittagong	29.70	754.3	29.79	756.6	81.2	27.3	73	ssw.	6.2	2.8	.....	.....	9	.....	.....	0	0	d. clouds	
Sibsagar	29.54	750.4	29.89	759.1	70.0	21.1	82	ne.	2.0	0.9	.....	.....	6	e.	e.	0.35	8.9	d. clouds	
Jeypore	28.29	718.5	29.68	754.0	96.4	35.8	13	nne.	4.6	2.1	.....	.....	6	.....	wsw.	0	0	d. clouds	
Zanzibar	29.86	758.4	.....	.....	86.1	30.1	65	nnw.	2.8	1.3	.....	.....	3	.....	ssw.	.....	.....	d. clouds	
ITALIAN.																			
Udine	29.10	739.2	29.51	749.5	54.9	12.7	77	ne.	0.7	0.3	.....	.....	9	.....	.....	0.776	19.7	.....	Prof. Giovanni Clodig.
Milan	28.98	736.1	29.49	749.1	54.0	12.2	72	wnw.	4.9	2.2	.....	.....	9	wnw.	.....	0.728	18.5	.....	Prof. G.V.Schiapparelli
Padua	29.37	746.1	29.48	748.8	61.2	16.2	60	ssw.	5.6	2.5	.....	.....	10	sw.	.....	0.252	6.4	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.58	725.8	29.47	748.5	58.5	14.7	63	e.	3.8	1.7	.....	.....	8	n.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.30	744 1	29.49	749.0	59.0	15.0	58	se.	9.8	4.4	.....	.....	4	s.	.....	0.772	19.6	.....	Prof. G. M. Garibaldi.
Pesaro	29.50	749.4	29.55	750.6	64.0	17.8	54	w.	13.6	6.1	.....	.....	6	w.	.....	0.382	9.7	.....	Prof. Luigi Guidi.
Florence	29.32	744.6	29.57	751.0	62.6	17.0	38	sw.	.....	.....	6	.....	6	sw.	.....	0.079	2.0	.....	Prof. Costantino Pittei.
Leghorn	29.45	747.9	29.53	750.0	61.0	16.6	63	sw.	17.4	7.8	.....	.....	4	.....	.....	0.102	2.6	.....	Prof. P. Monte.
Rome	29.54	750.2	29.71	754.6	63.7	17.6	48	ssw.	14.3	6.4	.....	.....	8	w.	.....	0.492	12.5	.....	Prof. P. Tacchini.
Lecce	29 52	749.9	29.77	756.2	65.5	18.6	36	nw.	18.6	8.3	.....	.....	2	n.	.....	0.063	1.6	.....	Prof. C. de Giorgi.
Cosenza	28.91	734.3	29.79	756.7	59.4	15.2	76	sse.	3.1	1.4	.....	.....	8	se.	.....	0.480	12.2	.....	Prof. D. Conti.
Palermo	29.00	751.7	29.84	758.0	68.5	20.3	39	wsw.	19.2	8.6	.....	.....	8	wsw.	.....	0	0	.....	Prof. G. Cacciatore
Syracuse	29.73	755.2	29.78	756.3	75.2	24.0	59	w.	18.6	8.3	.....	.....	3	w.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.27	743.4	.....	.....	55.8	13.2	86	wsw.	15.0	6.7	.....	.....	10	ssw.	.....	0.130	3.3	.....	Prof. F. Brioschi.
Stelvio	21.65	550.0	.....	.....	37.0	2.8	60	w.	.....	.....	2	.....	10	.....	.....	0.150	3.8	misty	Prof. P. F. Denza.
Valdobbia	21.66	550.2	.....	.....	31.7	— 0.5	80	wnw.	.....	.....	3	.....	10	.....	.....	0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.85	758.3	29.88	758.9	47.3	8.5	89	nw	.....	.....	2	.....	10k;ks	.....	w.	0	0	cloudy	H. Hattori.
Awomori	29.84	757 9	29.88	758.9	38.0	3.3	74	wsw.	0.1	0.04	.....	0	1 s	.....	.....	0.015	0.4	clear	K. Ogawa.
Hakodate	29.80	756.4	29.87	758.7	32.3	0.2	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	Y. Souma.
Hamamatsu	29.80	756 9	29.90	759.4	51.8	11.0	94	nne.	.....	.....	2	0	0	.....	.....	0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.92	759.9	29.93	760.3	53.5	11.9	71	nne.	6.5	2.9	.....	0	0	.....	.....	0	0	clear	Y. Okamoto.
Kagoshima	29.95	760.8	29.96	761.1	60.8	16.0	51	nw.	.....	.....	2	.....	10 s	.....	.....	0	0	overcast	
Kanazawa	29.82	757.5	29.93	760.1	47.2	8.4	74	e.	3.3	1.4	.....	0	0	.....	.....	0	0	clear	S. Endo.
Kioto	29.75	755.6	29.92	760 0	50.8	10.4	82	nne.	0.7	0.3	.....	0	0	.....	.....	0	0	clear	M. Tojima.
Kochi	29.93	760 2	29.95	760.7	59.0	15.0	77	se.	2.5	1.1	.....	0	5 s	.....	.....	0	0	fair	K. Kusunose.
Misaka	29.94	760.5	29.97	761.2	57.3	14.1	86	ese.	.....	.....	2	0	0	.....	.....	0	0	clear	K. Masusaki & T. Ishiain.
Miyako	29.79	756.7	29.90	759.5	38.2	3.4	90	ne.	1.9	0.8	.....	0	2 s	.....	.....	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.77	756 1	29.98	761.5	55.5	13.1	78	calm	0	0	.....	0	0	.....	.....	0	0	clear	
Nemuro	29.78	756 4	29.83	757.7	32.0	0.3	73	nw.	18.0	8.0	.....	1 k	0	.....	.....	0	0	clear	A Shibuya.
Niigata	29.87	758.7	29.91	759.7	50.9	10.5	66	sw.	5.1	2.2	.....	0?	0?	.....	.....	0	0	fair?	Satoo & Tomikawa.
Nobiru	29.85	758.3	29.87	758.7	46.5	8.1	85	sse.	3.0	1.3	.....	0	2 s	.....	.....	0	0	fair	Yoshino & Midzushima.
Numadzu	29.88	758.9	29.91	759.7	48.4	9.1	94	nne.	.....	.....	2	0	0	.....	.....	0	0	clear	T. Ohgi.
Osaka	29.91	759.7	29.92	760.1	54.1	12.3	66	s.	2.9	1.2	.....	0	0	.....	.....	0	0	clear	H. Omura.
Saga	29.92	760 0	29.94	760 6	54.7	12.6	74	w.	3.0	1.3	.....	0	0	.....	.....	0	0	clear	A. Matsuhayashi.
Sakai	29.92	759.9	29.93	760.1	53.1	11.7	69	wnw.	.....	.....	2	0	0	.....	.....	0	0	clear	Yamawchi & Sakamoto.
Sapporo	29.80	757.0	29.87	758.7	29.5	— 1.4	81	w.	2.2	1.0	.....	0	0	.....	.....	0	0	clear	S. Kimura.
Shimonoseki	29.82	757.4	29.96	761.0	52.8	11.6	82	nw.	.....	.....	1	0	0	.....	.....	0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.81	757.2	29.89	759 1	52.5	11.4	84	ssw.	6.8	3.0	.....	0	0	.....	.....	0	0	clear	The Staff.
Wakayama	29.86	758.4	29.91	759.7	54.0	12.2	71	calm	0	0	.....	0	0	.....	.....	0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.78	756.4	29.96	761.0	77.6	25.3	88	e.	11.0	4.9	.....	2c;cs	6 kn	.....	e.	0.03	0.8	cloudy	The Staff.
MEXICAN.																			
Leon	24.27	616.4	29.91	759.7	59.5	15.3	65	nnw.	0.9	0.4	.....	0	0	.....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.67	753.7	29.94	760.5	65.0	18.3	94	e.	1.0	0.8	.....	1 cs	0	.....	.....	0	0	hazy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.80	757.0	29.80	757.0	42.1	5.6	.....	nne.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Groningen	29.79	756.7	29.85	758.1	40.5	4.7	.....	e.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	29.85	758.2	29.85	758.2	38.5	3.6	.....	ne.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	29.81	757.1	29.81	757.1	41.5	5.3	43	ne.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Utrecht	29.76	755.9	29.81	757.1	42.6	5.9	42	ne.	.....	.....	5	.....	3	.....	.....	0	0	light & cld'y	H. van der Brink.
Sub-series.																			
Batavia, Java	29.91	759.8	.....	.....	75.4	24.1	90	ssw.	1.5	0.7	.....	.....	10	.....	.....	0	0	.....	Lt. J. J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	29.78	756.3	29.84	757.9	44.2	6.8	60	calm	0	0	.....	.....	6	.....	.....	0.134	3.4	.....	
Brono	30.01	762.2	30.05	763.2	37.0	2.8	40	e.	.....	.....	2	.....	2	.....	.....	0	0	.....	
Christiania	29.70	754.4	29.85	758.2	37.8	3.2	83	nne.	9	4	.....	.....	10	.....	.....	0.008	0.2	raining	
Gjæsvær	30.18	766.5	30.20	767.1	20.6	— 3.0	.....	ne.	.....	.....	6	.....	10	.....	.....	0	0	.....	
PORTUGUESE.																			
Funchal, Madeira	29.81	757 2	29.90	759.4	63.0	17.2	61	sw.	1.3	0.6	.....	.....	10	.....	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.49	749.0	29.83	757.6	56.1	13.4	65	sw.	16.1	7.2	.....	.....	7	.....	.....	0.031	0.8	.....	The Staff.
Ponta Delgada, Azores	29.07	753.6	29.74	755.4	55.4	13.0	77	e.	12.5	5.6	.....	.....	3	.....	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	29.93	760 1	29.96	761.0	70.3	21.3	67	nne.	.....	.....	2	.....	9	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	24.98	634 5	29.81	757.2	34.0	1.1	100	wnw.	14.3	6.4	.....	.....	10	.....	.....	0.205	5.2	foggy	
RUSSIAN.																			
Akmolinski	28.69	728.6	29.78	756.4	41.2	5.1	88	nw.	2	1	.....	.....	9 ks	.....	.....	0	0	solar corona	Major K. Lasarew.
Archangel	29.83	757.7	29.85	758.2	31.1	— 0.5	79	wsw.	9	4	.....	.....	10	.....	.....	c	0	.....	Capt. Sselliwerstow.
Ashurada	30.13	765.3	30.04	762.9	62.2	16.8	78	nw.	2	1	.....	.....	10 kn	.....	.....	0.083	2.1	.....	
Astrakhan	30.11	764.7	30.04	762.9	69.3	20.7	43	s.	2	1	.....	0	4 s	.....	.....	0	0	light clouds	Capt. Wisganow.
Baku	30.11	764.8	30.06	763.0	55.9	13.3	78	n.	4	2	.....	0	0 ks	.....	.....	.....	.....	.....	
Barnaul	29.19	741 5	29.09	754.2	44.8	7.1	65	sw.	9	4	.....	.....	10	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.50	750.7	30.04	763.0	30.3	2.4	38	nw.	2	1	.....	0	1 s	.....	.....	0	0	.....	
Dorpat	29 83	757.6	30.08	764.0	35.1	1.7	55	wnw	4	2	.....	0	1 k	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	28.80	731.6	29.79	756.6	34.2	1.2	49	w.	9	4	.....	.....	10 n	.....	.....	0.272	6.9	.....	Meteorological Obs'y.
Elisawetgrad	29.30	744.2	29.74	755.3	67.3	19.6	52	se.	9	4	.....	.....	9 k	.....	.....	inap.	inap.	.....	
Kasalinsk	29.70	755 8	29.93	760.3	47.5	8.6	98	n.	13	6	.....	.....	.....	.....	.....	.....	.....	.....	Ruthkewitsch.
Kasan	29.43	747.6	29.71	754 7	33.6	0.9	79	w.	20	9	.....	.....	10k;ks	.....	.....	0	0	.....	Observatory.
Kem	29.92	759.9	29.97	761.2	31.3	— 0.4	66	ne.	9	4	.....	.....	10 k	.....	.....	0	0	hvy. clouds	
Kertch	29.83	757.6	29.85	758.2	57.7	14.3	78	s.	4	2	.....	3 c	0	.....	.....	0	0	.....	
Kieff	29.16	740.7	29.82	757.5	33.3	0.7	90	e.	7	3	.....	.....	10 n	.....	.....	0.307	7.8	raining	Lazorio & Sastyres.
Kosiov	29.52	749.8	30.05	763.2	31.8	— 0.1	85	nnw.	9	4	.....	.....	10 s	.....	.....	0.268	6.8	.....	Observatory
Lgov	29.46	748.2	30.07	763.8	30.4	— 0.9	90	s.	18	8	.....	.....	10	.....	.....	0.331	8.4	snowing	
Libau	29.98	761.6	30.01	762.2	34.7	1.5	62	w.	7	3	.....	.....	1	.....	.....	0	0	.....	R. I. Seaweljew, Engin'r.
Lugan	29.62	752.4	29.82	757.4	73.4	23.0	40	sse.	16	8	.....	.....	7	.....	.....	0	0	.....	E. Quass.
Moscow	29.59	751.6	30.09	764.2	30.7	2.6	50	nw.	2	1	.....	0	5 k	.....	.....	blank	blank	.....	Meteorological Obs'y.
Nertschinsk	27.64	702.0	30.03	762.8	25.0	— 3.9	53	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nikolaiev	29.66	753.4	29.73	755.2	73.6	23.1	53	se.	13	6	.....	0	0	.....	.....	0	0	.....	Capt. Kurdakow.

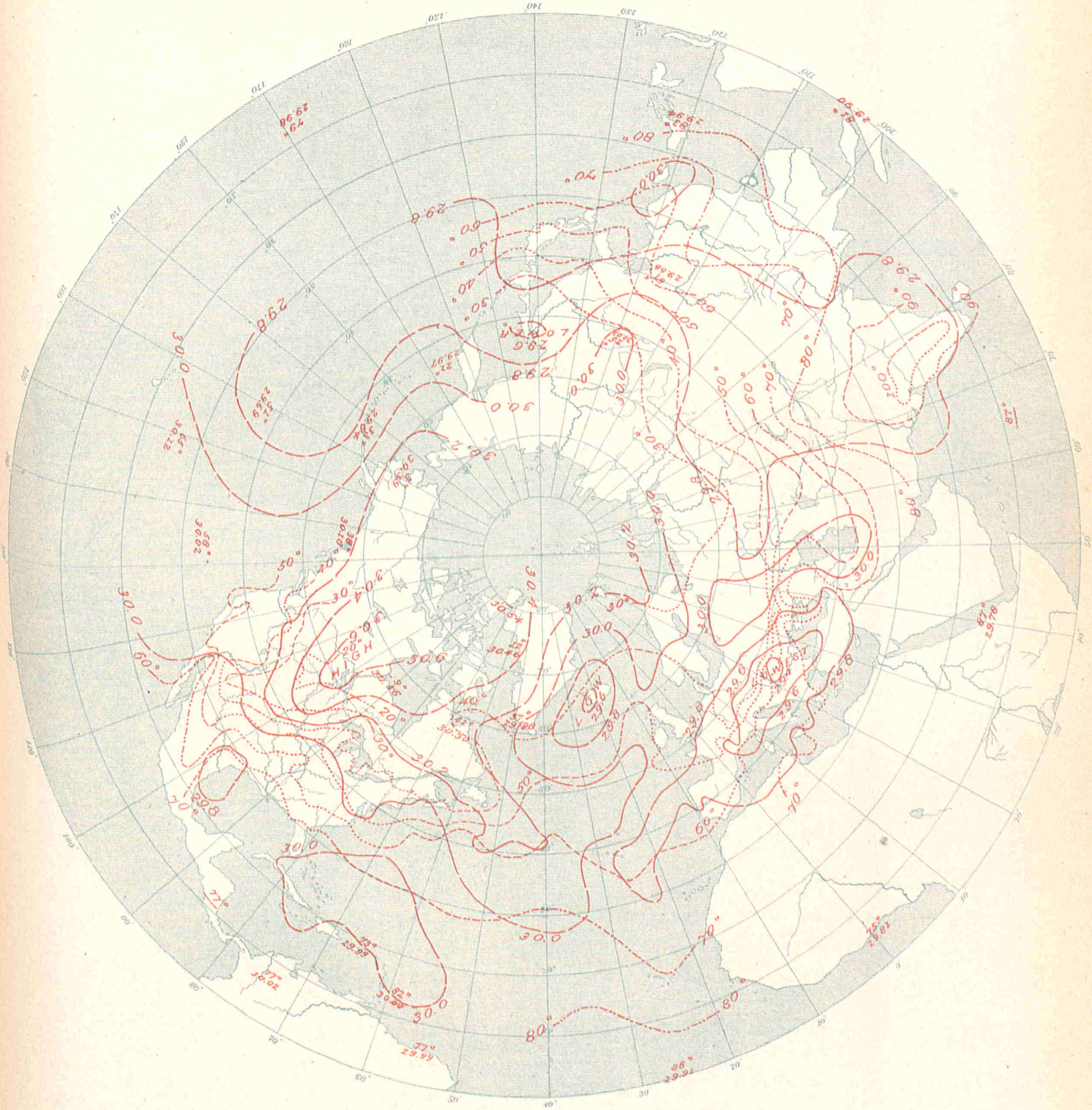
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mil.	Inch.	Mil.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mts. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mil.		
Russian.—Continued.																			
Nikolnievsk-on-the-Amoor.	29.48	748.8	29.57	751.0	21.6	— 5.8	90	w.	4	2	.....	.....	10 n	.....	.....	.....	.....	light snow .	Iwanow.
Pekin, China	29.52	749.8	29.66	753.4	66.6	19.2	37	calm	0	0	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.59	751.5	29.94	760.4	55.4	13.0	82	wnw.	4	2	.....	.....	10 kn	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.74	755.4	29.94	760.5	38.7	3.7	38	nw.	16	7	.....	0	5 ks	.....	.....	0	0	.....	Dr. Berzmann.
Pinsk	29.34	745.3	29.86	758.4	31.3	— 0.4	98	e.	31	14	.....	.....	10 n	.....	.....	0.016	0.4	snowing	
Poti	29.76	755.8	29.79	756.6	74.1	23.4	72	e.	9	4	.....	.....	7 ks	.....	.....	0	0	.....	
St. Petersburg	30.04	762.9	30.06	763.5	35.1	1.7	38	sw.	7	3	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.46	697.5	29.82	757.3	76.3	24.6	33	sw.	22	10	.....	0	7 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.14	740.1	29.79	756.6	55.9	13.3	66	calm	0	0	.....	.....	10	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.40	746.8	29.61	752.0	72.3	22.4	33	se.	40	18	.....	7 cs	0	.....	.....	0.240	6.1	.....	
Staroi Bykhov	29.42	747.3	30.00	761.9	36.7	2.6	60	ene.	13	6	.....	.....	10	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.22	716.7	29.80	757.0	77.0	25.0	39	calm	0	0	.....	.....	7 s;b	.....	.....	.....	.....	.....	Terch, A. M
Tiflis	28.62	726.9	30.02	762.5	62.2	16.8	66	se.	9	4	.....	0	6 n	.....	.....	0.291	7.4	.....	Physical Observatory
Vernoe	27.26	692.4	29.61	752.0	79.9	26.6	36	w.	11	5	.....	0	3 k	.....	.....	.....	.....	.....	Larionow.
Viatka	29.17	740.9	29.82	757.4	34.0	1.1	57	calm	0	0	.....	.....	2	.....	.....	0	0	.....	
Vladivostock	29.72	754.8	29.78	756.5	35.1	1.7	82	se.	22	10	.....	.....	3 k	.....	.....	0	0	.....	
Warsaw	29.34	745.2	29.78	756.3	36.3	2.4	65	ne.	22	10	.....	.....	10 ks	.....	.....	.....	.....	h'vy clouds.	Astronomical Obs'y.
Yeniseisk	29.50	749.2	29.79	756.6	40.3	4.6	55	ssw.	2	1	.....	.....	10	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.48	748.8	30.01	762.2	34.8	1.6	50	nnw.	11.1	5.0	.....	0	2 k	.....	n.	blank	blank	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.53	750.0	29.64	752.8	58.1	14.5	68	e.	5.6	2.5	.....	0	7	.....	.....	0.04	1.	.....	B. Jelin.
Bilbao, Met. Obs'y	29.67	753 7	29.73	755.2	56.5	13.6	73	nw.	1.3	0.6	.....	2	6	n.	.....	0.614	15.6	almost cov'd	Angel de Uraldc.
Burgos, Met. Obs'y	26.75	679.4	29.72	754.8	49.1	9.5	60	n	4.9	2.2	.....	.....	9	.....	.....	0	0	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.50	698.4	29.73	755.2	50.4	10.2	74	sw.	8.3	3.7	.....	.....	10	.....	.....	0.177	4.5	covered	The Staff.
Murcia, Met. Obs'y	29.56	750.8	29.68	753.9	67.6	19.8	58	wnw.	4.3	1.9	.....	3	3	se.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.80	731.4	29.68	753.9	56.3	13.5	60	ne.	7.4	3.3	.....	.....	8	.....	.....	0.386	9.8	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.93	760.2	30.00	761.9	74.7	23.7	83	se.	4.0	1.8	.....	0	0	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	759 0	29.94	760.4	82.9	28.3	78	sw.	17.6	7.9	.....	c	1 ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.80	756.8	29.89	759.3	61.5	16.4	68	w.	13.1	5.9	.....	0	5	.....	w.	0.011	0.3	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.90	759.4	29.99	761.7	73.4	23.0	89	calm	0	0	.....	3 c	0	s.	.....	0.386	9.8	clear	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	30.00	762.0	30.04	763.0	31.3	— 0.4	79	n.	.....	.....	2	.....	5	.....	.....	0	0	.....	
Umea	29.98	761.4	30.03	762.7	31.3	— 0.4	66	e.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Hernosand	29.95	760.6	30.00	761.9	30.6	— 0.8	66	ne.	.....	.....	6	.....	8	.....	.....	0.020	0.5	.....	
Stockholm	29.72	754.9	29.90	759.4	43.7	6.5	57	ssw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Wisby	29.91	759.7	29.97	761.2	37.8	3.2	53	w.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.78	756.3	29.86	758.5	42.3	5.7	71	ssw.	9.6	4.3	.....	.....	10	.....	w.	0.102	2.6	raining	H.H.Hildebrandsesson
Swiss																			
Geneva	28.22	716.8	29.66	753.3	49.6	9.8	61	s.	.....	.....	2	.....	10	.....	.....	0.181	4.6	covered	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.60	751.7	78.4	25.8	31	w.	25	11.0	.....	.....	0	.....	.....	0	0	.....	The Observatory.
Valona	.....	.....	29.89?	759.2?	67.3	19.6	.....	sw.	.....	.....	3	.....	5	.....	.....	1.06	27.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.89	759.3	73.4	23.0	66	ne.	.....	.....	2	10 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.94	760.5	30.02	762.5	48.7	9.3	78	ne.	6	2.7	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy	J. O. Barnes.
Alpena, Michigan	29.43	747.5	30.12	765.0	33.2	0.7	88	calm	0	0	.....	0	0	.....	.....	0.01	0.3	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.95	633.7	29.87	758.7	28.6	— 1.9	85	ne.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.49	698.2	30.40	772.1	31.7	— 0.2	87	e.	10	4.5	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.76	730.5	29.96	761.0	59.3	15.2	83	ne.	4	1.8	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	S. W. Beall
Atlantic City, New Jersey	29.96	761.0	29.97	761.2	49.4	9.7	77	n.	7	3.1	.....	.....	10 ks	n.	.....	0	0	cloudy	B.A.Blundon.
Augusta, Georgia	29.77	756.1	29.96	761.0	65	18.3	78	e.	3	1.3	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	W.J.Evans.
Baltimore, Maryland	30.00	762.0	30.05	763 3	49.3	9.6	68	n.	7	3.1	.....	2 cs	0	nw.	.....	0	0	clear	Geo. W. Folger.
Barnegat City, New Jersey	29.95	760.7	29.97	761.2	47.8	8.8	74	n.	10	4.5	.....	.....	10 s	n.	.....	0	0	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.93	734.8	30.57	776.5	25.0	— 3.9	76	ne.	16	7.2	.....	5 k	5 s	ne.	ne.	0	0	cloudy	A. Pritchard.
Benton, Fort, Montana	27.51	699.5	30.40	772 1	26.2	— 3.2	77	nw.	1	0.4	.....	0	4 s	.....	nw.	0	0	fair	C.S.Bennett.
Bismarck, Dakota	28.68	728.5	30.56	776.2	25.8	— 3.4	75	n.	6	2.7	.....	0	3 s	.....	n.	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.88	758.9	29.91	759 7	42.9	6.1	92	n	16	7.2	.....	.....	10 s	.....	ne.	0.42	10.7	cloudy	J. T. Elker.
Boise City, Idaho	27.29	693.2	30.13	765.3	42.8	6.0	69	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	James Keneally.
Boston, Massachusetts	29.80	756.9	29.96	761.0	41.7	5.4	100	ne.	13	5.8	.....	.....	10 n	.....	n.	0.11	2.8	light rain	O. B. Cole.
Brownsville, Texas	29.59	751.6	29.65	753.1	75.4	24.1	97	se.	14	6.3	.....	.....	10 s	.....	se.	0	0	cloudy	John McGlone.
Buffalo, New York	29.31	744.5	30.08	764.0	38.1	3.4	88	sw.	6	2.7	.....	.....	10 s	.....	sw.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.50	723.9	30.60	777.2	15.2	— 9.3	82	nw.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	A. Schneider.
Canby, Fort, Washington Ter	29.52	749.8	29.93	760 2	59.3	15.2	85	sw.	3	1.3	.....	.....	10 s	.....	sw.	0.85	21.6	cloudy	W. H. Ray.
Cape Henry, Virginia	29.90	759.4	30.10	764.5	46.2	7.9	81	calm	0	0	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape May, New Jersey	29.97	761.2	29.99	761.7	53.0	11.7	80	ne.	12	5.4	.....	0	7 s	.....	.....	0	0	fair	A. K. Alderson.
Cape Mendocino, California	29.97	761.2	30.00	762.0	47.2	8.4	77	nw.	10	4.5	.....	0	7 s	.....	n.	0	0	fair	W.E.Smith.
Cedar Keys, Florida	29.42	747.3	30.12	765.0	45.3	7.4	80	nw.	4	1.8	.....	0	4 s	.....	.....	0	0	fair	A. P. Leavitt.
Charleston, S. Carolina	29.93	760.2	29.95	760.7	73.8	23.2	87	s.	7	3.1	.....	3 c	2 k	sw.	s.	0	0	fair	G. W. Davis.
Charlotte, N. Carolina	29.87	758.7	29.93	760.2	67.0	19.4	90	sw.	6	2.7	.....	.....	10 s	.....	sw.	0	0	cloudy	J. H. Smith.
Chattanooga, Tennessee	29.10	739.1	29.96	761.0	56.5	13.6	86	ne.	6	2.7	.....	.....	10 n	.....	ne.	0.10	2.5	light rain	D. O'Donoghue.
Cheyenne, Wyoming	29.12	739 6	29.95	760.7	55.0	12.8	96	ne.	5	2.2	.....	.....	10 ks;fg	.....	ne.	0.34	8.6	cloudy	B. L. Goulding.
Chicago, Illinois	24.21	614.9	30.23	767.8	23.5	— 4.7	84	n.	8	3.6	.....	.....	10 s	.....	n.	0.02	0.5	cloudy	E. McGovern.
Chincoteague, Virginia	29.26	743.2	29.99	761.7	43.8	6.6	84	ne.	8	3.6	.....	.....	10ks;s	.....	.....	0.12	3.0	cloudy	T.B.Jennings.
Cincinnati, Ohio	29.99	761.7	30.01	762.2	47.0	8.3	86	ne.	11	4.9	.....	0	hz.	.....	.....	0	0	clear	C. F. Dickens
Cleveland, Ohio	29.28	743.7	29.95	760.7	53.0	11.7	74	e.	4	1.8	.....	0	2 s	.....	e.	0.01	0.3	clear	L.Dunne.
Columbus, Ohio	29.30	744.2	30.06	763.5	42.5	5.8	80	calm	0	0	.....	0	0	.....	.....	0	0	clear	W.Line.
Concho, Fort, Texas	29.12	739.6	29.99	761.7	48.5	9.2	75	ne.	4	1.8	.....	0	9 s	.....	e.	0.04	1.0	cloudy	F.T. Williams.
Custer, Fort, Montana	27.95	709.9	29.89	759 2	61.7	16.5	54	ne.	8	3.6	.....	.....	10 k	.....	sw.	0	0	cloudy	C. E. King.
Davenport, Iowa	27.21	691.1	30.39	771.9	23.7	— 4.6	64	e.	5	2.2	.....	0	3 s	.....	.....	0.02	0.5	clear	W.J.Daily.
Davis, Fort, Texas	29.31	744.5	29.98	761.5	49.5	9.7	82	ne.	8	3.6	.....	.....	10 s	.....	ne.	0.01	0.3	cloudy	R. R. Martin.
Dayton, Washington T'y	25.13	638 3	29.91	759.7	48.0	8.9	80	n.	8	3.6	.....	0	6 ks	.....	n.	0	0	fair	J. Williams.
Deadwood, Dakota	28.39	721.1	30.15	765 8	41.5	5.3	76	e.	9	4.0	.....	0	0	.....	.....	0	0	clear	H.S.Blandford.
Delaware Breakwater, Del	25.73	653.5	30.42	772.7	18.0	— 7.8	76	nw.	3	1.3	.....	0	0	.....	.....	0.10	2.5	clear	G.Kingsbury.
Denver, Colorado	30.00	762.0	30.02	762.5	46.0	7.8	85	nw.	11	4.9	.....	0	1 s	.....	.....	0	0	clear	G.A.Martin.
Des Moines, Iowa	25.01	635.2	30.28	769.1	25.0	— 3.9	95	ne.	7	3.1	.....	.....	10 n	.....	.....	2.58	65.5	light snow	F. M. Neal.
Detroit, Michigan	29.12	739.6	30.05	763.3	48.2	9.0	77	n.	16	7.2	.....	.....	10 s	.....	n.	0	0	cloudy	F. W. Conrad.
Dodge City, Kansas	29.34	745 2	30.07	763.8	41.1	5.1	57	n.	1	0.4	.....	3 cs	0	.....	.....	0	0	clear	N.B.Conger.
Dubuque, Iowa	27.51	698.7	30.15	765.8	38.1	3.4	85	nw.	34	15.2	.....	.....	10 s	.....	nw.	0.32	8.1	cloudy	J.E.Lamouette.
Duluth, Minnesota	29.29	744.0	30.02	762.5	50.3	10.2	71	ne.	4	1.8	.....	7 k	0	ne.	.....	0.03	0.8	fair	A.W.Browne.
Eastport, Maine	29.46	748.3	30.23	767.8	34.9	1.6	78	nw.	22	9.8	.....	0	6 s	.....	nw.	0.11	2.8	fair	E.R.Brace.
Elliott, Fort, Texas	29.90	759.4	29.97	761.2	38.7	3.7	94	ne.	9	4.0	.....	.....	10n;fg	.....	ne.	0.63	16.0	light rain	D. C. Murphy.
El Paso, Texas	27.23	691.6	30.01	762 2	48.5	9.2	93	n.	28	12.5	.....	.....	10 s	.....	n.	0	0	cloudy	J. O. Rickli.
Erie, Pennsylvania	26.20	665.5	29.94	760.5	41.3	5.2	48	calm	0	0	.....	0	0	.....	.....	0	0	clear	F.Belford.
Escanaba, Michigan	29.34	745.2	30.09	764.3	41.5	5.3	88	n.	2	0.9	.....	.....	10 s	.....	n.	0	0	cloudy	P.Wood.
Fort Smith, Arkansas	29.36	745.7	30.05	763.3	38.1	3.4	81	s.	1	0.4	.....	.....	10 ks	.....	sw.	0.03	0.8	cloudy	L.M.Pindell.
Galveston, Texas	29.37	746.0	29.85	758.2	60.9	16.1	92	calm	0	0	.....	.....	10 s	.....	n.	0.16	4.1	cloudy	J. B. Campbell.
Grand Haven, Michigan	29.78	756.4	29.82	757.4	72.5	22.5	94	s.	6	2.7	.....	.....	10 s	.....	s.	0	0	cloudy	E. O'C. Macinerney
Grant, Fort, Arizona	29.36	745.7	30.04	763.0	47.4	8.6	69	ne.	6	2.7	.....	0	9 s	.....	ne.	0	0	cloudy	Joseph E. Mueller.
Hatteras, North Carolina	25.17	639.3	29.99	759.4	40.8	4.9	42	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
	29.95	760.7	29.96	761.0	57.3	14.1	74	ne.	6	2.7	.....	6 c	3 s	e.	ne.	0	0	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced Mill.	Temperature of the air. Fah.	Temperature Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	26.07	662.2	30.28	769.1	30	— 1.1	64	n.	6	2.7		0	0			0	0	clear	S. W. Morrison.
Huron, Dakota	29.00	736.6	30.45	773.4	29.3	— 1.5	89	n.	17	7.6			10 s			0	0	cloudy	S. W. Glenn.
Indianapolis, Indiana	29.11	739.4	29.93	760.2	51.0	10.6	76	se.	2	0.9			10 s		se.	0.27	6.9	cloudy	C. F. R. Wappenhans
Indianola, Texas	29.76	755.9	29.78	756.4	73.1	22.8	95	s.	11	4.9			10 k		sw.	inap.	inap.	cloudy	I. A. Reed.
Jacksonville, Florida	29.89	759.2	29.93	760.2	70.4	21.3	77	s.	20	8.9			10 s		s.	inap.	inap.	cloudy	J. W. Smith.
Keokuk, Iowa	29.27	743.4	29.94	760.5	51.0	10.6	93	n.	6	2.7			10 s		n.	0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	29.98	761.5	30.00	762.0	77.5	25.3	75	se.	8	3.6		0	3 k		se.	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.96	761.0	29.98	761.5	52.2	11.2	81	ne.	8	3.6			10 s			0	0	cloudy	Wesley Blake.
Knoxville, Tennessee	28.91	734.3	29.95	760.7	54	12.2	95	ne.	1	0.4			10 s		sw.	0.27	6.9	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.28	743.7	30.08	764.0	46.5	8.1	87	n.	16	7.2			10 n			0.13	3.3	light rain	S. C. Emery.
Leavenworth, Kansas	29.02	737.1	29.93	760.2	56.5	13.6	100	ne.	7	3.1			10 n		ne.	0.99	25.1	light rain	C. Dill.
Lewiston, Idaho	29.37	746.0	30.22	767.6	43.0	6.1	74	calm	0	0		0	0			0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.52	749.8	29.84	757.9	61.0	16.1	93	ne.	3	1.3			10 s			1.31	33.3	cloudy	W. U. Simons.
Los Angeles, California	29.70	754.4	30.10	764.5	49.5	9.7	93	ne.	4	1.8		0	0			0	0	clear	T. S. Collins.
Louisville, Kentucky	29.36	745.7	29.93	760.2	55.5	13.1	74	ne.	2	0.9			sk.			inap.	inap.	dense smoke	E. B. Garriott.
Lynchburg, Virginia	29.32	744.7	30.03	762.7	53.0	11.7	66	ne.	2	0.9			10 s			inap.	inap.	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.41	747.0	30.09	764.3	36.9	2.7	75	e.	3	1.3		0	8 s		e.	0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.96	761.0	29.97	761.2	62.0	16.7	93	sw.	4	1.8			10 n			0.02	0.5	light rain	William Daly.
Maginnis, Fort, Montana	25.83	656.1	30.33	770.4	19.6	— 6.9	42	w.	2	0.9		0	0			0	0	clear	F. Burke.
Marquette, Michigan	29.33	745.0	30.08	764.0	42.5	5.8	96	w.	3	1.3			10 n			0.19	4.8	light rain	J. Gilligan.
Memphis, Tennessee	29.55	750.6	29.89	759.2	57.7	14.3	95	ne.	1	0.4			10 n			1.87	47.5	light rain	D. T. Flannery.
Milwaukee, Wisconsin	29.26	743.2	30.03	762.7	41.3	5.2	87	ne.	5	2.2			10 s		ne.	inap.	inap.	cloudy	S. W. Rhode.
Mobile, Alabama	29.86	758.4	29.90	759.4	72.9	22.7	90	s.	7	3.1		3 c	7 s	s.	s.	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.68	753.9	29.91	759.7	64.1	17.8	90	nw.	1	0.4			10 s		sw.	0.56	14.2	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.41	747.0	30.44	773.2	26.0	— 3.3	76	n.	11	4.9		0	1 s		n.	0	0	clear	L. M. Dey.
Mt. Washington, N. H.	23.72	602.5	30.13	765.3	35.2	1.8	100	ne.	24	10.7			fg.		ne.	0.04	1.0	dense fog	E. A. Beals.
Nashville, Tennessee	29.34	745.2	29.92	760.0	57.5	14.2	86	sw.	1	0.4			10 ks		sw.	inap.	inap.	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.84	757.9	29.96	761.0	47.5	8.6	83	n.	6	2.7			10 s		n.	0	0	cloudy	J. H. Sherman.
New London, Connecticut	29.89	759.2	29.94	760.5	46.8	8.2	82	ne.	6	2.7			10 s		ne.	0.02	0.5	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.81	757.2	29.87	758.7	74.0	23.3	88	s.	3	1.3		3 cs	4 ks	nw.	s.	0	0	fair	M. Herman.
New York, New York	29.81	757.2	29.99	761.7	49.6	9.8	75	nw.	1	0.4			10s:fg			inap.	inap.	cloudy	W. Finn.
Norfolk, Virginia	29.92	760.0	29.95	760.7	53.8	12.1	79	ne.	8	3.6			10 s		ne.	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	27.38	695.4	30.34	770.6	27.6	— 2.4	60	n.	18	8.0			10 s			0	0	cloudy	E. F. Brady.
Olympia, Washington T'y	30.10	764.5	30.14	765.5	40.0	4.4	89	calm	0	0		0	0			0	0	clear	J. Dascomb.
Omaha, Nebraska	28.93	734.8	30.14	765.5	38.1	3.4	86	n.	18	8.0			10 s		n.	0.10	2.5	cloudy	A. Pollak.
Oswego, New York	29.72	754.9	30.06	763.5	43.4	6.3	93	calm	0	0			fg.			inap.	inap.	dense fog	J. G. Linsley.
Palestine, Texas	29.20	743.2	29.82	757.4	66.3	19.1	100	ne.	5	2.2			10 n			0.93	22.6	thund'r st'm	P. T. Jenkins.
Pensacola, Florida	29.88	758.9	29.91	759.7	71.8	22.1	96	s.	9	4.0		4 cs	3 s	w.	sw.	0	0	fair	M. McGauran.
Philadelphia, Pa	29.89	759.2	30.02	762.5	48	8.9	86	nw.	11	4.9		1 ck	hz.			0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.75	450.8	30.03	762.7	1.0	—17.2	83	ne.	13	5.8			10 n			0.08	2.0	light snow	H. Hall.
Pittsburg, Pennsylvania	29.21	741.9	30.04	763.0	45.0	7.2	82	ne.	4	1.8		0	0			0	0	clear	O. D. Stewart.
Poplar River, Montana					10.3	—12.1	89					0	0			0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.35	745.5	30.05	763.3	36.2	2.3	88	ne.	4	1.8			10 s			0	0	cloudy	M. H. Perry
Portland, Maine	30.02	762.5	30.07	763.8	42.7	5.9	89	ne.	13	5.8			10 s		ne.	0.12	3.0	cloudy	W. W. Eichelberger.
Portland, Oregon	30.02	762.5	30.09	764.3	44.0	6.7	83	calm	0	0		0	0			0	0	clear	M. L. Hearne.
Prescott, Arizona	24.71	627.6	29.98	761.5	35.0	1.7	98	n.	1	0.4			10 s			0.07	1.8	cloudy	J. Glover.
Provincetown, Mass																			O. N. Kitchel.
Red Bluff, California	29.76	755.9	30.12	765.0	51	10.6	96	nw.	3	1.3		0	0			0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.47	748.5	29.71	754.6	78.0	25.6	77	se.	5	2.2			fg.		se.	0	0	dense fog	L. G. Schultz.
Rochester, N. Y	29.41	747.0	30.10	764.5	43.1	6.2	87	nw.	5	2.2			10 k		ne.	inap.	inap.	cloudy	E. W. McGann.
Roseburg, Oregon	29.55	750.6	30.11	764.8	41.8	5.4	90	calm	0	0		1 c	0	nw.		0	0	clear	J. J. Nanry.
Sacramento, California	30.03	762.7	30.10	764.5	50.0	10.0	93	se.	5	2.2		0	4 s		se.	0	0	fair	J. A. Barwick
St. Louis, Missouri	29.20	743.2	29.89	759.2	61.3	16.3	91	se.	3	1.3			10s;sk		se.	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	30.33	770.4	30.37	771.4	3	—16.1	77	n.	26	11.6		0	0			0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.32	744.7	30.20	767.1	39.0	3.9	77	n.	19	8.5			10 ks		n.	0.09	2.3	cloudy	P. F. Lyons.
St. Vincent, Minnesota	29.62	752.3	30.54	775.7	23	— 5.0	67	nw.	24	10.7		0	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.74	653.8	30.11	764.8	43.3	6.3	51	ne.	26	11.6		0	2 k			0.03	0.8	clear	J. Craig.
San Diego, California	29.99	761.7	30.06	763.5	50.3	10.2	92	ne.	6	2.7		0	0			0	0	clear	F. R. Day.
Sandusky, Ohio	29.30	744.2	30.00	762.0	43.5	6.4	88	e.	8	3.6		7 ck	0	e.		0	0	fair	B. F. Hough.
Sandy Hook, New Jersey	29.96	761.0	29.98	761.5	47.0	8.3	86	nw.	9	4.0			10 ks			0	0	cloudy	V. P. Chappel.
Sanford, Florida	29.91	759.7	29.96	761.0	70.5	21.4	82	s.	4	1.8		0	fg.			0	0	clear	J. B. Marbury
San Francisco, California	30.06	763.5	30.13	765.3	50.2	10.1	91	w.	4	1.8		0	4 fg		w.	0	0	fair	N. Gorom.
Savannah, Georgia	29.84	757.9	29.94	760.5	67.5	19.7	69	s.	6	2.7		10ck;cs	hz.	sw.		0	0	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.67	677.4	30.34	770.6	21.5	— 5.8	87	w.	3	1.3		0	0			inap.	inap.	clear	A. L. Mathews.
Shreveport, Louisiana	29.59	751.6	29.83	757.7	66.1	18.9	93	ne.	5	2.2			10 n		ne.	0.38	9.7	thund'r st'm	E. N. Meekins.
Sitka, Alaska	30.09	764.3	30.16	766.1	38.1	3.4	70	sw.	1	0.4			10 ks		sw.	0	0	cloudy	F. W. Fickett.
Smithville, North Carolina	29.93	760.2	29.97	761.2	63.3	17.4	91	w.	4	1.8			10 s		w.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	28.14	714.7	30.20	767.1	37.6	3.1	96	calm	0	0		0	0			0	0	clear	D. Moore.
Springfield, Illinois	29.25	742.9	29.95	760.7	54.9	12.7	88	e.	5	2.2			10 n			0.01	0.3	light rain	W. Norrington.
Stockton, Fort, Texas	26.87	682.5	29.90	759.4	58.6	14.8	43	nw.	14	6.3		0	5 s			0	0	fair	J. W. Byram.
Tatoosh Id., Wash. Ter	30.02	762.5	30.11	764.8	48.0	8.9	80	e.	13	5.8		0	0			0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.24	691.9	29.97	761.2	35.5	1.9	69	calm			0	0	0			0	0	clear	R. O. Lord.
Toledo, Ohio	29.30	744.2	30.01	762.2	42.5	5.8	88	e.	4	1.8		6 ck	0	nw.		0	0	fair	A. Buell.
Unalashka, Alaska	29.82	757.4	29.84	757.9	33	0.6	88	nw.	18	8.0			10 s			0.20	5.1	threatening	Samuel Applegate
Vicksburg, Mississippi	29.61	752.1	29.87	758.7	70	21.1	90	s.	6	2.7			10 s		s.	0.63	16.0	cloudy	F. W. Mixer.
Washington, D. C.	29.94	760.5	30.06	763.5	44.7	7.1	81	calm	0	0		4 c	fg.	nw.		0	0	fair	T. B. Harrison.
West Las Animas, Colorado	26.23	666.2	30.18	766.6	31.5	— 0.3	100	n.	26	11.6			10 n			0.72	18.3	heavy snow	F. H. Brandenburg.
Wilmington, N. Carolina	29.90	759.4	29.96	761.0	64.0	17.8	84	w.	2	0.9			10 s		sw.	0	0	cloudy	L. H. Albrecht.
Yankton, Dakota	29.02	737.1	30.36	771.1	32.4	0.2	71	n.	18	8.0			10 s		n.	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.82	757.4	29.97	761.2	61.1	16.2	38	ne.	6	2.7		0	1 s		n.	0	0	clear	W. S. Delano.
Sub-series.																			
Behring Island, Kamchatka	29.95	760.7	29.97	761.2	20.8	— 6.2		calm	0	0		0	4 k		nw.	inap.	inap.	fair	George Chernick.
Bluefields, Nicaragua, C. A.					85	29.4		nw.			3	0	9 k		ne.	0	0	cloudy	W. F. Jackson.
Bogota, U. S. C.	21.98	558.2			53.6	12.0	93	n.	2	1						0.528	13.4		Joaquin Gomez.
Chimo, Fort, Ungava	30.16	766.1	30.30	769.6	42	5.6	100	calm	0	0			10 s		se.	0.26	6.6	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.			30.02	762.5	78	25.0	71	n.	1	0.4		10 cs	0	sw.		0	0	cloudy	Robert Johnstone.
Paramaribo, S. A.	29.99	761.7	29.99	761.7	77	25.0	91	se.			2	6 ck	5 s	e.		0.240	6.1		Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.40	748.3	30.02	762.5	77	25.0	84	n.			1		10 k		calm	0	0	cloudy	Francisco J. Olsu[illegible]s.
Rivas, Nicaragua, C. A.	29.90?	759.4?	30.06?	763.5?	77	25.0	86	ne.			1	10 ck		e.		0	0	cloudy	Earl Flint.
York Factory, B. A.	30.49	774.4	30.50	776.2	— 8.5	—22.5	78	nw.	13	5.8		3 k	3 s	nw.	nw.	0.01	0.3	cloudy	Fortescue & Wood.
U. S. OF COLOMBIA. (*Sub series*).																			
Colon																			P. Fasiani.
Naos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
							Miles p. hr.	Mtrs. p. sec		Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, Kingston, Jamaica, W.I *	29.96	761.0	77	25.0		ese.			4		5			0	0			fine
S. S. Alps, N. 26° 26′, W. 74° 21′	30.00	762.0	74	23.3		ene.			3		2		nne.	0	0	sm'h	ne.	clear.
S. S. City of Washington, N. 19° 51′, W 90° 49′ *†	29.95	760.7	84	28.9		ese.			6		2		ese.	0	0			clear.
S. S. Canada, (Fr) N. 41° 19′, W. 51° 28′†	30.22	767.6	54	12.2	74	e.			4		0			0	0	light	sse	clear.
S. S. Circassian, off Annapolis, Md	30.01	762.2	50	10.0	93	n.			2		2		n.			sm'h		blue sky.
S. S. Cienfuegos, Cienfuegos, Cuba, W. I.	30.00	762.0	74	23.3		e.			1		0			0	0			clear.
Bk. C. S. Bushnell, N. 40° 43′, W. 35° 26′	30.07	763.8				nne.			6		2		ne.	light	light	long	ne.	
S. S. Denmark, New York, N. Y†	30.00	762.0	51	10.6	72	var.			2		10		calm	0	0			cloudy
S. E. B. Sutton, N. 40° 43′, W. 67° 10′*†	29.82	757.4				ene.			1		2					mod.	sw; e	light fog.
S. S. Eider, N. 49° 16′, W. 19° 01′ *	30.06	763.5	53.6	12		e			2		3		ne.	0	0	sm'h	e.	clear.
S. S. Egypt, N. 50° 43′, W. 25° 40′			51	10.6		n.			2		8		w.	0	0	sm'h	ne.	cloudy.
S. S. Gellert, N. 40° 30′, W. 72° 33′	29.92	760.0	44.0	6.7		wnw.			3		3?		wsw.	0	0	mod.	wnw.	covered.?
S. S. Gallia, New York Harbor, N. Y.						ne.			2		10							hazy.
S. S. Lord Clive, N. 50° 04′, W. 23° 21′						n.			1		3		n.	0	0	sli't	ene.	fine.
S. S. Lone Star, N. 31° 18′, W. 80° 08′			68	20.0		s.			3		8?		s.	0	0	sm'h		clear.?
S. S. Nurnberg, N. 41° 04′, W. 56° 03′	30.06	763.5	62.6	17.0		sse.			3		3		se.	0	0	mod	sse.	fair.
S. S. Nova Scotian, St. Johns, N. F			38	3.3		calm			0		fg							dense fog.
S. S. Nessmore, N. 43° 16′, W. 39° 24′	30.19	766.8	62	16.7	88	ne.			5		6		e.	4 h'r	4 h'r	mod.	e,	fair.
S. S. Normandie, N. 41° 00′, W. 52° 07′* †	30.12	765.0	59.0	15		ese.			2		5		s.	0	0	long	s.	misty.
S. S. Orinoco, N. 35° 20′, W. 67° 41′ †	29.90	759.4	62	16.7		wnw.			3		4		wnw.	0	0	light	wnw.	clear.
S. S. Polynesian, N. 41° 28′, W. 56° 34′	30.02	762.5	53	11.7		se.			4		1		sse.	0	0	mod.	se.	clear.
S. S. P. Caland, N. 40° 20′, W. 71° 58′			46.4	8.6		wsw.			3–4		10		n.	0	0	mod.		cloudy.
S. S. Rosse, N. 39° 58′, W. 66° 20′	29.83	757.7	56	13.3	81	ese.			4		4		ese.	0	0	light	ese.	fair.
S. S. Rhaetia, N. 50° 14′, W. 12° 40′	29.89	759.2	48	8.9		nne.			4		5		nne.	2 h'r	2 h'r	mod.	nne.	fair.
S. S. Rhein, N. 42° 57′, W. 47° 20′						n.			2		4			0	0	sm'h		fair.
S. S. Salier, N. 46° 41′, W. 31° 35′	30.14	765.5				ne.			4		6		ene.	1 h'r	1 h'r	mod.	ne.	fair.
S. S. The Queen N. 4c° 37′, W. 65° 43′	29.85	758.2	53	11.7		sse.			3		8		se.	4 h'r	4 h'r	mod.	ssw.	cloudy.
S. S. Weser, N. 38° 05′, W. 71° 52′	29.97	761.2	50.0	10.0		nnw.			5		10		nnw.	2 h'r	2 h'r	3	nnw.	cloudy.
S. S. Westernland, North Sea	29.81	757.2	49	9.4	78	ene.			5		8		ene.	0	0	light	ene.	cloudy.
S. S. Waesland, N. 42° 46′, W. 43° 30′	30.27	768.8	53	11.7		ne.			4		5		ne.			mod	ne.	
S. S. Lessing, N. 40° 36′, W. 60° 30′			61	16.1		ssw.			5		9		s.	3 h'r	3 h'r	r'gh	ssw.	hazy.
Schr. Adda Doane, Port Antonio, Jamaica, W. I†	30.01	762.2				s.			2		2		ne.	0	0			clear.
S. S. America, N. 48° —′, W. 25° —′*	30.11	764.8	55	12.8		calm			0		3		e.	0	0	sm'h		clear.
S. S. Celtic, N. 50° 40′, W. 15° 51′			61	16.1		nne.			4		8		n			sm'h	ne.	cloudy.
S. S. Caracas, La Guayra, Venezuela*†	30.00	762 0	76	24.4	91	calm			0				e.	0	0	light	nne.	overcast.
S. S City of Merida, N. 18° 38′, W. 92° 45′			80.6	27		e.			6		2		e.	0	0	light	se.	fine.
S. S. Chalmette, New York, N. Y †	29.99	761.7	51	10.6		n.			2		9		s.	0	0			cloudy.
S. S. Elysia, N. 41° 31′, W. 46° 35′ *	30.14	765.5	57	13.9		e.			4		8		e.	0	0	sm'h	e.	fine.
S. S. Erin, N. 40° 28′, W. 63° 00′	29.94	760.5	53	11.7		ene.			2		10		se.	0	0	sli't	ese.	dull.
S. S. Foscolia, N. 30° 47′, W 57° 02′†	29.92	760.0	68	20.0		ssw.			1		5		ssw.	0	0	sli't	nne.	fine.
S. S. Grecian, N. 43° 51′, W. 45° 37′	30.22	767.6	56	13.3	69	ese.			3		10		ese.	0	0	light	ese.	cloudy.
S. S. Muriel, N. 29° 58′, W. 68° 36′	30.09	764.3	70	21.1		n.			2		0			0	0	mod.	e.	clear.
S. S. New York, N. 37° 10′, W. 74° 30′ *†	29.94	760.5	52	11.1		n.			3		2		n.			sm'h		clear.
S. S. Ontario, N. 41° 57′, W. 51° 57′	30.19	766.8	49	9.4	100	e.			2		8 k			0	0	sm'h	e.	smoky
S. S. Pennsylvania, Baltimore Lighthouse, Ireland			48	8.9	92	ese.			3		4		ese.	0	0	mod	se.	clear.
Bk. Tros, N. 36° 15′, W. 74° 00′			54	12.2		nne.			3		2			0	0	long	n.	fair.
S. S. Werra, N. 41° 15′, W. 50° 31′*	30.17	766.3	64.4	18.0		ese.			4		3		ese.	0	0	mod.	ese.	hazy.
U. S. S. Alliance, Key West, Fla	30.01	762.2	78	25.6	86	e.			4		2			0	0	sm'h		fair.
U. S. S. Galena, Fredericksted, Santa Cruz, W I*	29.97	761.2	75	23.9	81	ene.			1		8		ene.			sm'h		fair.
U. S. S. Jamestown, St. Kitts, W.I	30.01	762.2	77	25.0	73	ene.			1		5					sm'h		fair.
U. S. S. Kearsarge, N. 36° 34′, E. 27° 03′	29.88	758.9	65	18.3	84	w.			3		2		calm			sm'h		hazy.
U. S. S. Lancaster, N. 36° 31′, E. 27° 01′	29.89	759.2	66	18.9	94	sw.			4		5		sw.			sm'h		fair.
U. S. S. New Hampshire, Newport, R. I.	29.91	759.7	42	5.6	66	ne.			5		10							cloudy.
U. S. S. Ossipee, Norfolk, Va *	29.96	761.0	52	11.1	86	ene.			1		8		nnw.					fair.
U. S. S. Pensacola, N. 12° 21′, W. 53° 08′†	29.99	761.7	77	25.0	86	e.			3		8		e.	0	0	mod.	e.	cloudy.
U. S. S. Portsmouth, N. 37° —′, W. 73° 02′	29.91	759.7	51	10.6	93	nw.			3		2		new			sm'h		clear.
U. S. S. Powhatan, Newport, R. I	29.91	759.7	44	6.7	92	n.			4		10							overcast.
U. S. S. Quinnebaug, Alexandria, Egypt	29.78	756.4	75	23.9	68	nw.			1		5					sm'h		fair.
U. S. S. Saratoga, Lisbon, Portugal	29.79	756.7	58	14.4	76	wsw.			3		5		sw.	light	light	sm'h		fair.
U. S. S. Swatara, Matanzas, Cuba, W. I.	29.99	761.7	74	23.3	90	calm			0		0			0	0	sm'h		clear.
U. S. S. Tennessee, Key West, Fla	29.99	761.7	77	25.0	86	se.			2		2			0	0	sli't	se.	clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I.	29.98	761.5	74	23.3	86	calm			0		0							clear.
U. S. S. Yantic, Matanzas, Cuba, W. I	30.02	762.5	75	23.9	90	ese.			1		2							clear.
U. S. Navy Yard, Portsmouth, N. H.			42	5.6	91	ne.	7	3.1			10		ne.	0.2	5.			misty
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.97	761.2	67	19.4		ssw.			1		2		w.					d. clouds.
H. M. S. Alecto, N. 5° 33′, W. 0° 04′	29.81	757.2	75	23.9		e.			2		10					3	ssw.	showery.
H. M. S. Inflexible, Corfu, Ionian Islands	29.81	757.2	69	20.6	90	w.			4		3		wsw.					d. clouds.
H. M. S. Minotaur, Malta, Mediterranean			67	19.4	76	wsw.			3		3		wsw.					d. clouds.
H. M. S. Tyne, N. 31° 31′, E. 31° 51′	29.81	757.2	69	20.6	80	ese.			3		9		calm					
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.81	757.2	79.2	26.2	85	sw.			7		7		sw.	2 h'r	2 h'r	3	se.	thund'r st'm
S. S. British Prince, N. 39° 24′, W. 66° 18			60.2	15.7	83	se.			4		4		s.	0	0	sm'h		fine.
S. S. Ohio, (Am) N. 45° 00′, W. 36° 21′†	30.12	765.0	56.5	13.6	78	ene.			3		4		ene.	0	0	mod.	ene.	clear.
S. S. Scandinavian, Charlestown, Mass	29.94	760.5	42.5	5.8		ne.			3		10		ne.	10 h'r	10 h'r			misty.
S. S. Sardinian, N. 53° 40′, W. 180 10′	30.00	762.0	52	11.1		ene.			1				e.	0	0	sm'h		clear
S. S. Athos, N. 17° 58′, W. 76° 46						e.			2		5?		nne.	0	0	sm'h	ne.	cloudy.?
S. S. Dorian, N. 41° 35′, W. 58° 25′	30.05	763.3	62	16.7		ese.			2		4		ese.	0	0		sw.	fine.
S. S. California, N. 43° 01′, W. 46° 20′						e.			4		6		e.	0	0		ene.	fair.
S. S. St. Laurent, N. 42° 30′, W. 53° 15′	30.19	766.8	57.2	14		ese.			4		9			0	0	sm'h		clear.
S. S. Westphalia, N. 40° 01′, W. 59° 38′			63	17.2		wsw.			3		10			0	0	mod.	s.	cloudy.
S. S. Hammonia, N. 48° 06′, W. 13° 44′	29.96	758.4	53	11.7		ne.			5		8		e.	½h'r	½h'r	mod.	e.	cloudy.
S. S. Venetian, N. 42° 16′, W 60° 20′			49.1	9.5		ne.			4		7		ese.	0	0	1	ese.	d. clouds.
S. S. Hevellus, Liverpool, Engt	29.87	758 7	47	8.3		w.			4		3		w.	0	0			fair.
S. S. Sirius, N. 46° 33′, W. 8° 24′	29.81	757.2				ene.			3		9		ene.	0	0	sli't.	ene.	cloudy.
S. S. Teniers, N. 42° 20′, W. 11° 55′	29.80	756.9	57.4	14.1	69	ene.			1	0	4 k			0	0	3	nne.	blue sky.
S. S. Archimede, (It.) Messina, Sicily			76	24.4		ne.			2		2		nne.	0	0			clear.
S. S. Gottardo, N. 35° 33′, W. 39° 10′*†	30.10	764.5	66	18.9		ene.			5		5		ene.	1 h'r	1 h'r		ene.	
S. S. Strassburg, N. 30° 23′, W. 19° 03′	29.93	760.2	68	20.0	65	s.			3		6		s.	0	0	3	nnw.	fair.
S. S. City of Augusta, N. 33° 49′, W. 77° 16′						sse.			2		6		sse.	light	light			cloudy.
S. S. Rhynland, N. 44° 26′, W. 37° 07′			56	13.3	94	ne.			3		1		ne.	0	0	mod	ne.	clear.
S. S. Penniand, Antwerp, Belgium*†	29.74	755.4	46	7.8	69	ene.			4		3		ne.	0	0			fair.
S. S. Amsterdam, N. 43° 00′, W. 40° 14′*	30.24	768 1	55.8	13.2	82	ne.			4		3		ne.	0	0	light	ne.	fair.
S. S. W. A. Scholten, N. 47° 24′, W. 25° 49′	30.08	764.0	50.2	10.1	94	ne.			6		4		ne.	0	0	4	ne	fair.
S. S. Baltic, N. 50° 54′, W. 13° 12′ *†	29.96	761.0				ene.			4		5		ene.	0	0	mod.	ene.	fair.
S. S. Salerno, N. 41° 15′, W. 53° 46′ †	30.24	768.1	62	16.7		e.			3		5		e.	0	0	mod.	e.	fine.
Bg. Alcira, Maracaybo, Venezuela			79	26.1		nne.			1		10		var.	0	0			cloudy
S. S. Antonio Lopez, N. 35° 35′, W. 20° 20′	29.82	757.4	60.5	15.8	76	se.			3		10			3 h'r	3 h'r	long	n.	cloudy
Schr. Arthur Burton, Manabo, Porto Rico, W. I†	29.99	761.7				e.			2		4		ene.	4 h'r	4 h'r	chop	se.	fine.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W.I†	29.98	761.5	79	26.1		calm			0		3		se.	0	0			clear.
Schr. Annie A. Holton, N 23° 57′, W. 80° 22′			80	26.7		sse.			4		5?		se	0	0	sm'h	e.	clear.?
Bk. Aureola, N. 0° 40′, W. 26° 39′†	29.91	759.7	86	30 0	72	nne.			1		9			2 h'r	2 h'r	mod.	var.	cloudy.
Bgt. Achsah, N. 37° 36′, W. 67° 03′†	29.85	758.2				calm			0		8		nnw.	2 h'r	2 h'r	long	nw.	fair.
S. Annie, Bayonne, N. J	30.01	762.2				nne.			2		9		nne.					cloudy.
Bk. Adelaide, N. 26° 35′, W. 67° 43′*†	30.06	763.5	76	24.4		n.			3		1		nne.	½h'r	½h'r	light	nnw.	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
							Miles p. hr.	Mtrs. p. sec		Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Schr. Abbie H. Gheen, Wilmington, Del			60	15.6		nne.			3				ene.	0	0			clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana†			82	27.8		calm			0		9		w.	2 h'r	2 h'r	sm'h		smoky.
S. Cornelius, N. 21° 12′ W. 36° 04′*†	29.95	760.7	77	25.0		w.			1		5		ne.	2½h'r	2½h'r	4	ne.	squally.
Bk. Diamant, N. 45° 16′, W. 21° 27′	29.91	759.7	51.3	10.7	70	ne.			4		8		ene.			mod	ne.	cloudy.
S. E. J. Spicer, N. 42° 07′, W 26° 30′	30.05	763.3	56	13.3	94	ene.			5		5		ne.	0	0 .	sm'h	e.	fair.
Bk. Fred W. Carlon, N. 35° 45′, W. 74° 55′†	29.99	761.7	56	13.3		ne.			2		8		calm	0	0	mod.	s.	hazy.
S. Ismir, N. 23° 30′, W. 66° 32′						calm			0				ene.	c	0	long	ese.	fine.
Bk. Gloire, N. 43° 35′, W. 41° 15′	30.20	767.1	55	12.8	74	ne.			2		10		var.	0	0	sm'h	e.	fair.
S. Grecian, N. 49° 50′, W. 8° 55′ †.	29.87	758.7	49	9.4	77	calm			0					0	0			cloudy
Bk. Guleon, Barbadoes, W. I†	29.93	760.2	75	23.9		s.			0–5		0			0	0			blue sky.
S. Hedwig, N. 38° 36′, E. 9° 04′			61.3	16.3	95	sew.			5		4		var.	1 h'r	1 h'r	3	w.	fine.
Bk. Hattie G. McFarland, Pascagoula, Miss			72	22.2		se.			4		10		se.	0	0			misty.
S. Henry, N 38° 27′, E 8° 53′			61.3	16.3		wsw.			3		10					4	w.	cloudy.
Bk. Horace Scudder, Gaboon river, Guinea			84	28.9		ssw.			1		8			0	0			cloudy.
Bk. Ibis, N 33° 55′, W. 71° 00			62	16.7		sse.			4		4		sse.	0	0	sm'h		fine.
Bg. John Wesley, sagua la Grande, Cuba, W. I *†	30.01	762.2				sse.			1		2		s.	0	0			clear.
Bg. John Welsh, jr., N. 20° 15′, W. 69° 09′						ese.			4		10		ese.			sm'h		raining.
Schr. John Bird, N. 29° 16′, W. 78° 28′						ese.			1		10		s.	0	0	short	se.	fine.
Schr. Jenny Greenbank, Baracoa, Cuba, W.I*	30.02	762.5	76.5	24.7		s.			0		2		ene.	4 h'r	4 h'r	sm'h		fair.
Schr. Jennie R. Morse, Darien, Ga†	29.93	760.2				calm			0		10		n.	0	0			
Light-house tender Laurel, Key West, Fla†	29.99	761.7	78	25.6		sse.			1–2		5		ese.	0	0			fair.
Bg. L. F. Munson, N. 35° 45′, W. 74° 00′			58	14.4		ese.			3		2		w.	0	0	sm'h		clear.
Bkt. Levanter, N 11° 20′, W. 52° 48′	29.96	761.0	82	27.8		n.			3		2		ne.	0	0	light	ne.	fair.
Bkt. Levi S. Andrews, N. 39° 22′, W. 61° 30′			60.0	15 6		ne.			3		5		ne.	0	0	sm'h		rainy.
S. S. Mendoza, N. 39° 32′, W. 68° 32′†	29.90	759.4				se.			1		10		wsw.	15 h'r	15 h'r	h'vy	wsw.	overcast.
Schr. Martinique, N. 14° 56′, W. 56° 38′						calm			0		fg.			0	0	sm'h		fine.
Schr. Norena, Ponce, Porto Rico, W. I†	29.95	760.7				ne.					10			0	0	sm'h		
Bk. Rosalie, N. 19° 17′, W. 50° 35′*†	29.96	761.0				nne.			1		5		ene.	0	0			
Bk. Rosina, N 36° 28′, W. 12° 23′	29.97	761.2	59	15.0		nnw.			2		2			0	0	light	nw.	clear.
Bkt. Rosebud, N. 6° 09′, W. 26° 27′ *	29.97	761.2	82	27.8		w.			2		2		w.	0	0	mod	nw.	clear.
S. Salisbury, N. 38° 00′, E. 4° 03′	29.72	754.9	62.6	17.0	80	ne			2		2			0	0	sm'h		fine.
Bkt. Rosebud, N. 6° 09′, W. 26° 27′ *	29.97	761.2	82	27.8		wsw.			0		4 k		wsw.	0	0	long	wsw.	clear.
S Salisbury, N. 38° 00′, E. 4° 03′	29.72	754.9	62.6	17.0	80				3–6		5			4 h'r	4 h'r	o		fair.
Bk Saga, N. 46° 45′, W. 23° 45′†	30.08	764.1	56	13.3		s.			7		9		sw.	1 h'r	1 h'r	r'gh	sw.	cloudy.
Bk. Sunbeam, N. 29° 37′, W. 22° 04′†	29.80	756.9	67	19.4	82	nnw.			3		10		nne.	0	0	sm'h		cloudy.
Bgt. Sunlight, N. 39° 35′, W. 72° 50′†	29.87	758.7				ene.			2		1		ne.	0	0			
Bg. Teneriffe, N. 27° 00′, W. 75° 15′	30.04	763.0				se.			2		1		calm	0	0			clear.
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I	30.05	763.3	77	25.0										0	0			sw.
Bk. Winifred, N 35° 03′, W. 69° 00′*†	29.85	758.2				ne			4		10		ene.	10 h'r	10 h'r			raining.
Schr. John Bracewell, Dover, N.H			40	4.4														
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 22° 15′, E. 2° 30′	29.88	758.9	71	21.7	85	se.	14	6.3			10		se.	0.02	0.5	long	s.	cloudy.
H. M. S. Amethyst, Montevideo, Uruguay	29.64	752.8	61	16.1	91	ne.			2		10	e.						drizzling.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.23	767.8	65	18.3		se.			3		2	ese.						blue sky.
Bk Achille F., S. 33° 30′, W. 49° 15′*†	30.04	763.0	65.5	18 6	78	n.			4		3		ne.	0	0			
Bk. Bore, Rio de Janeiro, Brazil *†	30.16	766.1	78	25.6														
S Frank N. Thayer, S. 40° 17′, E. 4° 16′ *	30.31	769.9	61	16.1	82	w.			2		0			0	0	light	w.	blue sky.
S. Gatherer, S. 45° 45′, W. 55° 25′ †	29.94	760.5	48	8.9	92	sse.			4		4		s.	¼ h'r	¼ h'r	mod.	s.	cloudy.
S. Ringleader, S. 25° 08′, W. 34° 45′†	29.95	760.7	85	29.4	57	e.			1		3		e.	0	0	sm'h		fine
S. S. Archimedes, (Br) S. 16° 10′, W. 37° 12′	29.94	760.5				se.			3		7		var.	¼ h'r	¼ h'r	light	e.	cloudy.
S. S. Archimedes, (Br) S. 16° 10′, W. 37° 12′	30.12	765.0	62	16.7					6		9		nw.	0	0	mod.	var.	cloudy.
Bk. Xenia, S. 39° 21′, W. 8° 25′ †	29.82	757.3	77.4	25.2	68	nnw.			3		0			0	0	1		blue sky
H.P.M.S.Rainha de Portugal, Mossamedes, Benguela.						wnw.												
District No. 3—North Pacific.																		fair.
U. S. S. Adams, Sitka, Alaska†	30.13	765 3	38	3.3	81	ne.			1		2							clear.
U. S. Naval Hospital, Yokohama, Japan	29.84	757.9	53.5	11.9	86	sw.			1		0			0	0			clear.
U. S. S. Alert, Shanghai, China	30.05	763.3	58	14.4	94	ese.			1		0							cloudy.
U. S. S. Enterprise, Hong Kong, China	29.97	761.2	99	20.6	85	e.			1–2		10		calm					cloudy.
U. S. S. Essex, N. 0° 40′, E. 168° 26′	29.98	761.5	79	26.1	91	ene.			3		5					sm'h	ne.	fair.
U. S. S Juniata, Fernando Island, Corea	29.94	760.5	48	8.9	92	s.			3		0			0	0			clear.
U. S. S. Monocacy, Canton, China	29.92	760.0	73	22.8	85	calm			3		10		calm	light	light			cloudy.
U. S. S. Ranger, Fonseca Bay, C.A	29.98	761.5	79	20.1	74	se.			0					0	0	sm'h		fair.
U. S. S. Richmond, Singapore, Malay Peninsula	29.90	759.4	81	27.2	91	se.			2		2			0.3	8.			cloudy.
U. S. S. Trenton, Singapore. Malay Peninsula	29.88	758.9	82	27.8	96	sse.			1		2		se.					clear.
H. M. S. Audacious, Hong Kong, China	29.96	761.0	70	21.1	95	ne.			1		2							d. clouds
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	30.01	762 2	61	16.1	88	nw.			1		7	e.						blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.02	762.5	60	15.6	70	ene.			1		0					1		d. clouds.
H. P. M. S. Tamega, Macao, China	29.99	761.8	75.2	24.0	67	ese.					9					1		overcast.
U. S. S. Palos, Shanghai, China	29.99	761.7	50	13.3	100	sse.			1		0			1 h'r	1 h's			clear.
U. S. S. Newbern, N. 25° 44′, W. 110° 34′			69	20.6	39	nnw.			0		2		nnw.	0	0	light	nnw.	clear.
S. S. Arabic, N. 36° 29′, W. 125° 33′ *†	30.16	766.1	52	11.1	79	var.			3		2		se.	0	0	sm'h		d. clouds.
S. S. City of Chester, Hookton, Cal †	30.12	765.0	50	10.0	86	calm			1		5			0	0			
S. S. Oregon, N. 43° 20′, W. 124° 32′			53	11.7	97	wsw.			0		10		s.			sm'h		cloudy.
S. S. Oceanic, N. 24° 35′, E. 118° 57′	30.04	763.0	62	16.7	88	ne.			2		10			0	0	3	ne.	clear.
S. S. Willamette, N. 47° 04′. W. 124° 35′†.	30.12	765.0	51	10.6	86	calm			5		3			0	0	sm'h		clear.
S. S. Alameda, N. 29° 33′, W. 142° 29′†	30.14	765.5	62	16.7		calm			0		0			0	0	sm'h		squally.
S. S. Orizaba, N. 33° 35′, W. 118° 07′†	30.07	763.8	50	13.3	87	nnw.			1		2		wsw.	0	0	light	w.	hazy.
S. S. State of California, Portland, Oregon †	30.09	764.3	40	4.4	100	calm			2		2		nw.	0	0			clear.
S. S. City of Pekin, N. 47° 25′, W. 165° 31′†	29.09	754.1	42	5.6	74	n.			0		0					r'gh	n.	cloudy.
S. S. City of Rio de Janeiro, N. 31° 43′, E. 140° 42′†	29.80	756.9	67	19.4		sw.			4		8		n.			small	w.	
S. S. City of Sydney, N. 33° 23′, W. 134° 17′*†.	30.02	762.5	58	14.4	88	se.			2		9		w.			light	wnw	foggy.
S. S. City of Tokio, N. 37° 30′. W. 159° 29′†	29.09	754.1	51	10.6	72	nw.			1		10					light	nw.	fair.
S. S. Colima, N. 10° 16′, W. 85° 54′ †	29.93	760.2	77	25.0	77	ese.			5		2			0	0	r'gh	nw.	fair.
S. S. San Blas, Acajutla, San Salvador			79	26.1	95	n.			4		8		se.	0	0	mod.	se.	cloudy.
S. S. San José, N. 24° 50′, W. 112° 34′†	29.95	760.7	66	15.6	88	n			4		2		n.	0	0	clear.	se.	clear.
S. S. Zealandia, N. 26° 34′, W. 148° 45′	30.12	765.0	65	18.3	84	calm			3		2		nnw.	0	0	small	wnw.	fair.
S. S. Benalder, Hong Kong, China	29.99	761.7	68	20.0	95	se.			3		3							rainy.
District No. 4—South Pacific.									4		9		s.	4 h'r	4 h'r			
U. S. S. Iroquois, Callao, Peru	29.99	761.7	71	21.7	90	calm			0		2					sm'h		clear.
U. S. S. Lackawanna, Callao, Peru	29.97	761.2	70	21.1	85	s.			1		5		se.					fair.
U. S. S. Onward, Callao, Peru *†	30.07	763.8	70	21.1	95	calm			0		5		sse.			long	w.	fair.
U. S. S. Pinta, Valparaiso, Chili	30.08	764.0	61	16.1		calm			0		10		calm			mod.	n.	misty.
U. S. S. Shenandoah, Sandy Point, Patagonia*	30.02	762.5	46	7.8	84	wnw.			1		10					sm'h		cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	30.05	763.3	59	15.0	94	e.			1		8		calm			long		cloudy.
H. M. S. Nelson, Sydney, N.S.W.	30.14	765.5	62	16.7	94	calm			0		10							raining.
H. M. S. Sappho, Valparaiso, Chili	30.07	763 8	59	15.0	100	calm			0							2	nw.	d. clouds.
H. M. S. Kingfisher, S. 29° 50′, W. 71° 20′	30.05	763.3	61	16.1		calm			0		7	n						misty.
S. S. Australia, Sydney, N.S.W*	30.07	763.8	64	17.8	94				0		2							
District No. 5—Indian Ocean.									4		6			1 h'r	1 h'r			
H. M. S. Euryalus, Massuah, Abyssinia	29.78	756.4	87	30.6	80	nne.			3		0							blue sky.
H. M. S. Magpie, S. 7° 13′, E. 67° 13′	29.89	759.2	84.5	29.2	74	s.			1		3	wnw.				3	sse.	blue sky.
S. S. Braeadalle, N 9° 02′ E. 65° 30′			87	30.6		ne.			4		0			0	0	sm'h		clear.
Bk. Childwall, off Kingston N.S.W.*	29.99	761.7	50	13.3	75	se.			4		8		s.	0	0			fine.
S. J. W. Gildemeister, S. 23° 06′, E. 64° 45′	30.03	762.7	77.9	25.5	74	e.			3–5		1 k			0	0	3	var.	blue sky.
Bk. Nouva Margherita, S. 18° 38′, E. 85° 32′*†	29.91	759.7				ese.			3				se.	0	0			fair.
S. S. Lepanto, Bombay, India	29.83	757.7	83	28.3		n.			4		3		ne.	0	0	sm'h		clear.

International Chart I. April 19, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W. B. Hazen, Chief Signal Officer.
Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 20, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Kemours	.....	.....	29.87	758.7	65.5	18.6	75	s.	.....	.....	1	.....	0	.....	.....	0	0	clear.	Roziere.
Algiers	.....	.....	29.84	757.8	63.3	17.4	57	wnw.	.....	.....	4	.....	6	.....	.....	0	0	cloudy.	Théve.
La Calle	.....	.....	29.84	757.9	64.0	17.8	80	ssw.	.....	.....	4	.....	4	.....	.....	0	0	cloudy	Fonfrède.
Tunis	.....	.....	29.88	759.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.98	761.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.93	760.1	67.6	19.8	.....	se.	.....	.....	1	.....	0	.....	.....	0	0	clear.	Abraham.
Biskra	.....	.....	29.92	760.0	76.3	24.6	39	w.	.....	.....	1	.....	4	.....	.....	0	0	cloudy	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.10	764.5	57.0	13.9	63	w.	7	3.1	.....	.....	1 8	.....	.....	0	0	clear.	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.07	763.8	30.26	768.6	51	10.6	94	nw.	10	4.5	.....	.....	1	.....	nw.	0	0	clear.	Com. J. Shortt, R.N.
Melbourne, Victoria	30.01	762.2	30.10	764.5	53.5	11.9	89	se.	3	1.3	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.10	739.0	29.64	752.9	53.6	12.0	59	ne.	.....	.....	3	.....	10	.....	.....	0.480	12.2	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.84	732.6	29.63	752.5	38.1	3.4	76	wnw.	3.8	1.7	.....	.....	10	.....	.....	0.067	1.7	.....	Dr. Wierzbiski
Eperies	28.72	729.6	29.61	752.1	43.2	6.2	78	calm	.....	.....	0	.....	10 8	.....	.....	0.102	2.6	.....	Julius Mikolik.
Gratz	28.45	722.5	29.69	754.2	50.9	10.5	66	se.	.....	.....	3	.....	10	.....	.....	0.366	9.3	.....	Andreas Rosthi.
Hermannstadt	28.18	715.8	29.57	751.0	60.8	16.0	92	nw.	.....	.....	5	.....	5	.....	.....	0.154	3.9	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.34	719.9	29.70	754.3	44.2	6.8	67	wnw.	.....	.....	2	.....	10	.....	.....	0	0	cloudy	The Staff.
Lemberg	28.58	725.9	29.59	751.5	37.4	3.0	85	ne.	.....	.....	2	.....	10	.....	.....	inap.	inap.	.....	Dr. T. Stanecki.
Pola	29.52	749.9	29.63	752.7	62.2	16.8	72	w.	.....	.....	3	.....	3	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.10	739.0	29.56	750.7	50.5	10.3	70	nw.	.....	.....	2	.....	9	.....	.....	0.004	0.1	.....	Joseph Midlinszky, S. J
Szegedin	29.37	745 9	29.65	753.0	54.9	12.7	55	n.	.....	.....	2	.....	10	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.54	750.2	29.63	752.7	61.0	16.1	63	sw.	.....	.....	2	.....	2	.....	.....	0.008	0.2	.....	Royal Academy.
Vienna	28.98	736.0	29.70	754.3	47.1	8.4	60	nw	.....	.....	2	.....	8	.....	.....	0.020	0.5	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	34.3	1.3	97	ene.	.....	.....	2	.....	6	.....	.....	0.051	1.3	snowing	
Brussels	29.64	752.8	29.84	758.0	43.2	6.2	55	ene.	.....	.....	4	.....	10	.....	nne.	0	0	.....	
Furnes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	
Maeseyck	30.09	764.3	30.22	767.5	41.7	5.4	89	n.	.....	.....	2	.....	10	.....	.....	0.083	2.1	.....	
BRITISH.																			
Aberdeen	29.94	760.5	30.04	763.0	43.0	6.1	51	ne.	10	4.5	.....	.....	10	.....	.....	0.020	0.5	overcast.	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.96	761.0	49.6	9.8	51	ese.	6	2.7	.....	.....	10	.....	.....	.....	.....	overcast.	John Hartnup.
Bolton, Sharples	29.42	747.3	29.96	761.0	45.0	7.2	66	ese.	6	2.7	.....	.....	8	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.58	751.3	29.97	761.2	46.1	7.8	59	e.	.....	.....	2	.....	7	.....	.....	0	0	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.93	760.2	29.96	761.0	81.2	27.3	69	e.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	45.0	7.2	68	ne.	.....	.....	0.6	.....	10	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E.	29.75	755.6	29.93	760.2	46.7	8.2	59	ne.	.....	.....	1	.....	9	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.75	755.6	29.98	761.5	47.1	8.4	48	ese.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.49	698.2	29.80	756.9	82.8	28.2	73	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.94	760.5	29.97	761.2	53	11.7	61	ne.	.....	.....	1	.....	3	.....	.....	0	0	blue sky	Wm. Ryan.
Gibraltar, Mediterranean	29.68?	753.9?	29.78?	756.4?	62.6	17.0	91	sw.	.....	.....	3	.....	10	.....	.....	.....	.....	raining	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.78	756.4	29.95	760.7	44.6	7.0	61	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.64	752.8	29.94	760.5	47.9	8.8	63	ne.	.....	.....	2	.....	8	.....	.....	0.01	0.3	d. clouds	A. Collenette, F.R.M.S.
Kew, Observatory	29.92	760.0	29.96	761.0	43.2	6.2	51	nne.	12	5.4	.....	.....	9	.....	.....	.....	.....	threatening	The Staff.
Leicester, Museum	29.71	754.6	29.97	761.2	45.5	7.5	57	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.66	753 4	29.74	755.4	64.8	18.2	76	nw.	.....	.....	2	.....	2	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.94	760.5	29.98	761.5	80.5	26.9	73	se.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.74	755.4	29.97	761.2	43.8	6.6	66	nne.	.....	.....	1	.....	10	.....	.....	.....	.....	misty	The Staff.
Plymouth	29.87	758.7	29.94	760.5	49.8	9.9	51	ne.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.97	761.2	30.07	763.8	43.1	6.2	59	.....	.....	.....	.....	.....	10	.....	.....	.....	.....	gloomy	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.72	754.9	29.78	756.4	65.8	18.8	57	sw.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.70	754.4	29.98	761.5	50.4	10.2	68	no.	.....	.....	1	.....	9	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	29.95	760.7	29.98	761.5	50.0	10.0	79	e.	.....	.....	1	.....	10	.....	.....	0.035	0.9	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.98	761.5	48.9	9.4	52	ene.	8	3.6	.....	.....	8	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	46.6	8.1	52	e.	.....	.....	0.5	.....	9	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	30.00	762.0	30.03	762.7	49.8	9.9	55	nnw.	6	2.7	.....	.....	6	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.52	749.8	29.91	759.7	64.4	18.0	61	n.	9.3	4.2	.....	1 c	0	.....	.....	0	0	clear	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.74	755.4	29.86	758.4	67.3	19.6	94	e.	22	9.8	.....	.....	10 k	.....	se.	0	0	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B	30.10	764.5	30.14	765 5	37.0	2.8	.....	calm	0	0	.....	.....	10 n	.....	.....	0.04	1.0	misty	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.04	763.0	30.08	764.0	42	5.6	100	e.	4	1.8	.....	.....	10 n	.....	.....	0.25	6.3	foggy	H. J. Cundall, C. E.
Chatham, N. B*	30.06	763.5	30.12	765.0	38	3.3	92	ne.	4	1.8	.....	.....	10 n	.....	ne.	0.07	1.8	light rain	G. A. Blair.
Cornwall, Ontario	29.81	757.2	30.00	762.0	42.3	5.7	95	se.	.....	.....	1	.....	10 s	.....	.....	0.013	0.3	overcast	Jas. Smith, M. A.
Dalhousie, N. B	30.09	764.3	30.14	765.5	35.5	1.9	.....	calm	.....	.....	0	.....	10 n	.....	.....	0.07	1.8	raining	H. A. Johnson.
Father Point, Quebec*	30.05	763.3	30.07	763.8	33	0.6	85	ne.	18	8.0	.....	.....	10 s	.....	ne.	0.09	2.3	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.83	757.7	30.74	780.8	17	— 8.3	92	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	30.02	762.5	30.08	764.0	40.1	4.5	91	ne.	7	3.1	.....	.....	10 n	.....	.....	0.340	8.6	raining	Dr. Thos. Harrison.
Grand Manan, N. B	29.92	760.0	29.98	761.5	41	5.0	100	n.	9	4.0	.....	.....	fg.	.....	.....	0.11	2.8	dense fog	J. Chipman Seeley
Granton, Ontario	28.64	735.1	30.06	763.5	44.0	6.7	84	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast	Jas. Grant.
Halifax, N. S*	29.89	759.2	30.02	762.5	45	7.2	96	e.	13	5.8	.....	.....	fg.	.....	.....	0.086	2.2	dense fog	A. Allison.
Hamilton, Ontario	29.62	752.3	30.03	762.7	42.0	5.6	87	ne.	.....	.....	1	10 cs	0	no.	.....	0	0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.72	754.9	30.06	763.5	46	7.8	83	calm	0	0	.....	.....	10 ks	.....	.....	0	0	cloudy	A. P. Knight, M. A
Little Glace Bay, N. S	30.05	763.3	30.09	764.3	36.8	2.7	97	ne.	.....	.....	1	.....	10 n	.....	.....	0	0	foggy	C. H. Rigby.
London, Ontario	29.15	740 4	30.07	763.8	44.0	6.7	89	calm	.....	.....	0	.....	10 ks	.....	.....	0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T	28.01	711.4	30.42	772 7	26	— 3.3	96	e.	1	0.4	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	28.64	727.4	30.75	781.0	14	—10.0	91	calm	0	0	.....	0	0	.....	.....	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.81	757.2	30.02	762.5	40	4.4	92	ne.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.82	757.4	30.05	763.3	45.8	7.7	82	ne	.....	.....	.....	.....	10 s	.....	.....	0	0	overcast	A. McGill, M. A.
Parry Sound, Ontario*	29.36	745.7	30.07	763.8	43	6.1	83	n.	10	4.5	.....	5 k	5 ks	n.	n.	0.01	0.3	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.28	743.7	30.02	762 5	46.2	7.9	88	e.	.....	.....	2	.....	9 k	.....	.....	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.89	759.2	30.64	778.2	29	— 1.7	92	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.34	745.2	30.05	763.3	45	7.2	92	ne.	5	2.2	.....	10 k	0	ne.	.....	0	0	cloudy	H. Morgan.
Port Stanley, Ontario	29.38	746.2	30.04	763.0	46	7.8	80	no	4	1.8	.....	.....	10 n	.....	ne.	0	0	cloudy	M. Payne.
Qu Appelle, N. W. T	28.16	715.3	30.30	774.7	36?	2.2?	.....	s.	16	7.2	.....	0	0	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.68	753.9	30.04	763.0	35	1.7	92	n.	8	3.6	.....	.....	fg.	.....	.....	0.01	0.3	dense fog	Capt. Archie, R. N.
Rockliffe, Ontario*	29.61	752.1	30.09	764.3	30	2.2	92	w.	.....	.....	.....	.....	10 ks	.....	nw.	0	0	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.92	760.0	29.97	761.2	43	6.1	99	ne.	3	1.3	.....	.....	fg	.....	.....	0.46	11.7	dense fog	
St. John, N. B	29.85	758.2	30.00	762.0	40.0	4.4	98	n.	8	3.6	.....	.....	10 n	.....	.....	0.012	0.3	rain & fog	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.24	768.0	42.8	6.0	.....	e.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.37	746.0	30.10	764.5	35	1.7	88	calm	0	0	.....	.....	10 ks	.....	.....	0.01	0.3	cloudy	
Stratford, Ontario	28 77	730.7	30.07	763.8	43.8	6.6	92	ne.	1	0.4	.....	.....	10 ks	.....	.....	0	0	d. clouds	W. McBride, A.M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
Canadian.—Continued.																			
Sydney, C. B*	30.11	764.8	30.18	766.6	37	2.8	100	nw.	1	0.4	.....	.....	10 h	.....	.....	0	0	foggy	**T. C. Hill, C.E.**
Toronto, Ontario*	29.68	753 9	30.07	763.8	45	7.2	83	ne.	2	0.9	.....	.....	10 ks	.....	w.	0	0	cloudy	**Magnetic Observatory.**
Woodstock, Ontario	28.96	735.6	30.03	762.7	44.6	7.0	94	n.	0.5	0.2	.....	.....	10 s	.....	.....	0	0	overcast	**Prof. N Wolverton, M.A.**
Yarmouth, N. S*	29.83	757.7	29.90	759 4	48	8.9	96	ne.	12	5.4	.....	.....	fg	.....	.....	0.05	1.3	dense fog	**Lt. F. E. Wilmot, R. N.**
Cape Colony.																			
Cape St. Francis Lt. House	30.34	770.6	30.37	771.4	57.0	13.9	94	se.	.....	.....	.....	0	8 k	.....	.....	1.240	31.5	fine	**I. Garfelt.**
Cape Town, The Castle	30.14	765.5	.....	.....	67.0	19.4	43	se.	.....	.....	.....	0	0	.....	.....	0	0	.....	**Capt. R. Gardner Warton**
Springbok Fontein	27.89	708.4	.....	.....	73	22.8	37	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	**J. T. Eustace**
Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	58.1	14.5	89	ne.	.....	.....	1	.....	.....	.....	.....	0	0	clear	**Leon Herrera.**
Valparaiso	29.82	757 5	29.97	761.1	59.0	15.0	94	se.	.....	.....	1	c	o	.....	.....	0	0	cloudy	**Paez-I-Ampuero.**
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.76	756.0	29.79	756.6	59.0	15.0	79	sse.	6.7	3.0	.....	.....	10	.....	.....	0.012	0.3	sprinkling	**M. Marc Dechevrens, S. J**
Danish.																			
Copenhagen	29.87	758 8	29.92	760.0	43.0	6.1	57	ne.	16	7	.....	.....	6	.....	.....	.....	.....	.....	**Oversergent Fischer.**
Fanöe	29.91	759.6	29.93	760.1	45.5	7.5	59	wnw.	.....	.....	4	.....	5	.....	.....	.....	.....	.....	**Overloerer Lauridsen.**
Godthaab, Greenland	29.96	761.0	30.01	762.1	30.9	— 0.6	73	nne.	.....	.....	4	.....	4	.....	.....	.....	.....	.....	**S. Kleinschmidt.**
Ivigtut, Greenland	29.94	760.4	29.96	760.9	30.4	— 0.9	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....
Stykkisholm, Iceland	29.61	752.0	29.65	753.1	42.4	5.8	81	se.	.....	.....	2	.....	8	.....	.....	.....	.....	raining	**A. O. Thoriacius.**
Thorshavn	30.06	763.4	30.08	764.0	46.8	8.2	77	se.	16	7	.....	.....	10	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	30.17	766.4	30.22	767.6	8.6	—13.0	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....
Vestervig	29.86	758.4	29.95	760.7	43.2	6.2	75	ese.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
Egyptian.																			
Cairo	29.84	758.0	.....	.....	83.5	28.6	.....	e.	7.2	3.2	.....	2 ck	0	.....	.....	0	0	.....	**Albert Ismalun, Dir.**
French.																			
Agen, Normal School	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**M. Labroue, Director.**
Alençon, Normal School	29.37	746.0	29.92	760.0	46.4	8	83	ne.	.....	.....	1	2 cs	.....	.....	sw.	0	0	slightly cl'dy	**M. Nicot, Director.**
Arras, Normal School	29.63	752.7	29.88	758.9	49.6	9.8	58	nw.	.....	.....	1	.....	2	se.	sw.	0	0	slightly cl'dy	**M. Ungerer, Director.**
Avignon, Normal School	29.66	753.4	29.74	755 4	60.8	16	50	nnw.	.....	.....	1	.....	5	.....	calm	0	0	cloudy	**M. Giraud, Director.**
Bar-sur-Seine	29.26	743 2	29.83	757.7	42.8	6.0	49	se.	.....	.....	1	.....	10	.....	n.	0	0	covered	**M. Saillard, Director.**
Beauvais, Normal School	29.60	751.8	29.87	758.7	45.0	7.2	53	ne.	.....	.....	1	.....	10	.....	ne.	0	0	covered	**M. Frere Eugène Marie.**
Besançon, Normal School	28.82	732.1	29.72	754.8	50.7	10.4	62	wsw.	.....	.....	.....	.....	kn	.....	sw.	0.205	5.2	.....	**M. Gobin, Director.**
Bordeaux, Observatory	29.54	750.4	29.80	757.0	53.6	12.0	55	ne.	.....	.....	1	.....	8	.....	nnw.	0.004	0.1	very cloudy	**M. Rayet, Director.**
Bourges, Normal School	29.16	740.6	29.71	754.7	51.4	10.8	54	nw.	.....	.....	1	.....	5	.....	nw.	0	0	cloudy	**M. Sauvageot, Director.**
Brest, Naval Observatory	29.72	754.9	29.96	761.0	47.1	8.4	64	ne.	.....	.....	2	.....	8	.....	ne.	0.012	0.3	.....	**M. de Kermarec, Dir.**
Caen, Normal School	29.77	756.2	29.85	758.1	50.9	10.5	72	ne.	.....	.....	1	.....	5	.....	ne.	0	0	cloudy	**M. Berson, Director.**
Châlons-sur-Marne, N. Sch'	29.35	745.6	29.68	753.8	40.6	4.8	93	nw.	.....	.....	1	.....	10	.....	.....	0	0	covered	**M. Jadot, Director.**
Charleville, Normal School	29.29	743.9	29.81	757.1	36.5	2.5	74	n.	.....	.....	1	.....	10	.....	.....	.....	.....	snowing	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.42	721.9	29.80	756.9	44.2	6.8	89	ne.	.....	.....	1	.....	10	.....	.....	0.165	4.2	sprinkling	**M. Alluard, Director.**
Cluny, Normal School	28.94	735.0	29.79	756.6	43.0	6.1	83	sw.	.....	.....	1	.....	10	.....	sw.	0.059	1.5	.....	**M. de Villemonté, Dir.**
Commercy, Normal School	28.98	736.2	29.84	757.9	41.2	5.1	74	n.	.....	.....	1	.....	10 kn	n.	n.	0.08	2.	light rain	**Dr. Coulet, Director.**
Gap, Normal School	27.17	690.0	29.67	753.6	52.7	11.5	36	ne.	.....	.....	2	.....	9 kn	n	sw.	0	0	.....	**M. Jarach, Director.**
Gréasque, du Rhone	28.62	727.0	29.72	755.0	59.0	15.	47	nw.	.....	.....	1	.....	2	.....	sw.	0	0	.....	**M. Kint, Director.**
Grenoble, Normal School	28.94	735.1	29.70	754 4	55.8	13.2	55	nw.	.....	.....	1	.....	k	.....	sw.	0	0	.....	**M. Ablard, Director.**
Guéret, Normal School	28.19	716.1	29.77	756 2	43.5	6.4	77	n.	.....	.....	1	.....	kn	.....	e.	0	0	.....	**M. Delorme, Dir.**
Lamballe Normal School	29.62	752.3	29.89	759.3	47.3	8.5	76	n.	.....	.....	1	.....	2 kn	.....	n.	0	0	slightly cl'dy	**M. Pollpre, Dir.**
Lescar, Normal School	29.26	743 2	29.80	757.0	54.1	12.3	82	w.	.....	.....	1	.....	10 n	.....	.....	0	0	covered	**M. Chauvin, Director.**
Lorient, Naval Observatory	29.82	757.4	29.92	760.0	48.2	9.0	69	ese	.....	.....	2	.....	10	.....	ne.	0	0	covered	**Lt. T. Carre, Director.**
Lyon, St. Genis-Laval	28.71	729 2	29.78	756.3	46.0	7.8	78	nw.	.....	.....	2	.....	10	.....	.....	0.004	0.1	raining	**M. André, Director.**
Mans, Normal School	29.60	751.9	29.91	759.8	46.9	8.3	59	ne.	.....	.....	4	.....	5 kn	.....	ne.	0	0	cloudy	**M. Richard, Director**
Marseille, Observatory	29.45	748.1	29.72	754 9	61.0	16.1	58	w.	.....	.....	2	.....	1	.....	.....	0	0	.....	**M. Stephan, Director.**
Montlouis	24.53	623.1	29.37	746.1	39.6	4.2	80	e.	7.4	3.3	.....	.....	10	e.	.....	0.244	6.2	.....	**M. Cave for Dr. Fines.**
Montpellier, Normal School	29.60	751.7	29.71	754.5	62.6	17.	61	w.	.....	.....	4	.....	2	sw.	.....	0	0	slightly cl'dy	**M. Galzin, Director.**
Nancy, Normal School	28.98	736 2	29.78	756 5	40.3	4.6	71	ne.	.....	.....	1	.....	km	.....	.....	0.016	0.4	.....	**M. Hasse, Director.**
Nantes, Observatory	29.74	755.4	29.90	759 5	46.4	8.0	54	ene.	.....	.....	0–1	.....	10 n;kn	.....	ne.	0	0	.....	**M. Larocque, Director.**
Perpignan, Observatory	29.67	753.7	29.78	756.5	59.4	15.2	53	w.	1.8	0.8	.....	.....	9	.....	ssw.	0.059	1.5	.....	**Dr. Fines, Director.**
Pic-du-Midi, Summit	20.88	530.3	.....	.....	21.2	— 6.0	.....	calm	.....	.....	0	.....	.....	.....	w.	0.354	9.0	.....	**M. Vaussenat, Director.**
Privas, Normal School	28.65	727 7	29.68	753.9	57.2	14.	47	s.	.....	.....	1	.....	10	s.	s.	0.020	0.5	covered	**M. Taillieu.**
Puy de Dôme Obs'y, Summit	24.85	631.2	.....	.....	29.7	— 1.3	100	wnw.	.....	.....	2	.....	10	.....	.....	0.228	5.8	light snow	**M. Alluard.**
Rochefort, Naval Obs'y	29.81	757.1	29.84	757.9	56.8	13.8	62	n	.....	.....	1	.....	5	.....	n.	0	0	½ covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.63	752.5	29.85	758.1	48.6	9.2	69	ne.	.....	.....	2	.....	.....	.....	ne.	0	0	.....	**M. Brothier, Director.**
Rodez, Normal School	27 65	702.3	29.76	756.0	51.4	10.8	68	calm	.....	.....	0	.....	5	.....	e.	0	0	fair	**M. Seger, Director.**
Rouen, Normal School	29 84	758 0	29.89	759.2	46.8	8.2	78	ne.	.....	.....	1	.....	5	.....	ne.	0	0	foggy	**M. Mouillot, Dir.**
Saint Maur, Observatory	29.58	751.4	29.75	755.6	43.2	6.2	70	n.	.....	.....	1	.....	2	.....	n.	0	0	slightly cl'dy	**M. Renou, Director.**
Toulouse, Observatory	29.12	739.7	29.84	758.0	55.4	13.0	72	nw.	.....	.....	1	.....	10	nw.	.....	0	0	covered	**M. Baillaud, Director.**
Tours	29.66	753.4	29.84	758 0	50.7	10.4	46	n.	.....	.....	2	.....	2	ne.	ne.	0.020	0.5	slightly cl'dy	**M. de Tastes.**
Versailles, Observatory	29.38	740.2	29.87	758.6	39.2	4.0	87	ne.	.....	.....	1	.....	10	.....	.....	0	0	covered	**Dr. A. Bernyy, Director.**
Sub-series.																			
St. Martin du Hinx	29.72	754.8	29.87	758.6	49.6	9.8	86	sw.	7.8	3.5	.....	.....	10 k	.....	sw.	0.201	5.1	misty	**M. Carlier, Director.**
German.																			
Ansbach	28.32	719.2	29.81	757 2	35.6	2.0	71	nw.	.....	.....	2	.....	10	nw.	.....	0.087	2.2	.....	**Prof. Jnedt.**
Bamberg	28.91	734.2	29.74	755.4	39.2	4.0	66	ne.	.....	.....	1	.....	9 ks	.....	e.	0.024	0.6	.....	**Prof. Dr. Hoh.**
Berlin	29.61	752.1	29.76	755.8	47.8	8.8	35	ne.	.....	.....	1	.....	6	.....	.....	0	0	.....	**Meteorological Institute**
Breslau	29.21	741.8	29.73	755.1	34.5	1.4	100	n.	.....	.....	2	.....	10	.....	.....	0.457	11.6	snowing	**Royal University Obs'y**
Carlsruhe	29.34	745 2	29.81	757.1	38.5	3.6	80	ne.	.....	.....	1	.....	10	sw.	.....	0	0	.....	**Albert Senz.**
Cassel	29.06	738.2	29.78	756 3	37.8	3.2	83	n.	.....	.....	4	.....	10	n.	.....	0.311	7.9	light snow	**Dr. H. Möhl.**
Frankfort-on-the-Main	29.41	747 1	29.79	756 6	37.2	2.9	85	ne.	.....	.....	1	.....	10	.....	.....	0.319	8.1	.....	**Physical Society.**
Friedrichshafen	28.31	719.0	29.72	755 0	48.2	9.0	62	sw.	.....	.....	3	.....	5	w.	.....	0	0	.....	**Wilhelm, Chief Tel.**
Hamburg	29.80	756.9	29.89	759 2	41.2	5.1	63	nne.	.....	.....	3	.....	10	.....	.....	0	0	misty	**E. Preller.**
Kiel	29.89	759.2	29.91	759.6	41.0	5.0	52	ne.	.....	.....	5	.....	9	.....	.....	0	0	.....	**Prof. Dr. G. Karsten.**
Leipsic, Astron'l Obs'y	29.37	746.0	29.80	757.0	37.8	3.2	78	n.	.....	.....	2	.....	10	n.	.....	0.354	9.0	rain & snow	**H. Leppig, Asst.**
Magdeburg	29.60	751.9	29.79	756 6	43.3	6.3	51	nne.	.....	.....	2	.....	8	n.	.....	0.240	6.1	.....	**Weather Observatory.**
Memel	29.78	756 5	29.83	757.7	45.7	7.6	42	ne.	.....	.....	5	9 c	.....	.....	.....	.....	.....	.....	**Issermann.**
Munich	27.89	708.5	29.74	755 3	45.5	7.5	55	w.	.....	.....	2	.....	7	sw.	.....	0.016	0.4	.....	**Central Station.**
Neufahrwasser	29.80	756.8	29.82	757 5	38.7	3.7	70	ne.	.....	.....	4	.....	2	.....	.....	0	0	.....	**A. Lothes.**
Neustadt, Palatinate	29.22	742.3	29.75	755.6	40.3	4.6	81	ne.	.....	.....	2	.....	10	ne.	.....	0.098	2.5	rain & snow	**Prof. Dicknether.**
Stuttgart	28.80	731.6	29.71	754.7	40.1	4.5	60	nw.	.....	.....	1	.....	10	.....	.....	0	0	.....	**Dr. L. Meyer.**
Wustrow	29.85	758.3	29.88	758.9	41.2	5.1	57	ne.	.....	.....	5	.....	10 s	.....	.....	0	0	.....	**Profs. Brandes & Reimer**
Greek.																			
Athens	29.50	749.3	29.88	758.9	71.6	22.0	.....	s.	.....	.....	1.5	7	.....	.....	.....	0	0	.....	**Kokkides & Wourlisch.**
Indian.																			
Kurrachee	29.72	754.8	29.77	756.0	80.8	27.1	78	wsw.	33.0	14.8	.....	.....	5	.....	.....	0	0	misty	
Deesa	29.24	742 8	29.70	754.3	99.7	37.6	10	w.	16.0	7.2	.....	.....	1	sw.	.....	0	0	d. clouds	
Bombay	29.77	756 2	29.81	757.2	84.3	29.1	77	wnw.	15.0	6.7	.....	.....	6	w.	wnw.	0	0	d. clouds	
Poona, Yarrowda	27.93	709.5	29.74	755.4	92.0	33.3	34	wnw.	32.0	14.3	.....	.....	5	w.	.....	0	0	d. clouds	
Trichinopoly	29.52	749.9	29.80	756 8	96.6	36.1	33	se.	0.1	0.04	.....	.....	0	nne.	nne.	0	0	d. clouds	
Bellary	28.26	717.8	29.67	753.5	101.0	38.3	18	w.	2.0	0.9	.....	.....	3	.....	.....	0	0	d. clouds	
Belgaum	27.28	692.8	29.75	755.7	87.8	31.0	45	wsw.	11.0	4.9	.....	.....	2	.....	w.	0	0	d. clouds	
Lahore	28.92	734.5	29.64	752.8	93.1	33.9	20	w.	6.0	2.7	.....	.....	5	.....	.....	0	0	d. clouds	
Roorkee	28.73	729.7	29.60	751.7	96.6	35.9	11	w.	2.0	0.9	.....	.....	0	.....	.....	0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0-0	0-10	0-10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Agra	29.10	739.0	29.64	752.7	99.8	37.7	13	w	4.0	1.8			6		w.	0	0	d. clouds	
Nagpur	28.63	727.2	29.63	752.6	101.7	38.7	13	calm	1.0	0.4			4		sw.	0	0	d. clouds	
Jubbulpore	28.34	719.9	29.64	752.8	100.3	37.9	11	calm	0	0			0			0	0	blue sky	
Lucknow	29.30	744.1	29.66	753.3	99.0	37.2	15	wnw.	9.0	4.0			0			0	0	misty	
Allahabad	29.35	745.6	29.65	753.2	98.7	37.1	13	calm	0	0			0			0	0	blue sky	
Patna	29.49	749.1	29.67	753.7	94.7	34.8	20	nw.	5.2	2.3			0			0	0	blue sky	
Hazaribagh	27.72	704.0	29.68	753.8	85.6	31.4	9	nnw.	4.0	1.8			1			0	0	d. clouds	
Cuttack	29.62	752.5	29.70	754.5	89.6	32.0	53	nw.	5.0	2.2			0			0	0	blue sky	
Calcutta, Alipore	29.68	754.0	29.70	754.5	89.3	31.8	44	w.	1.0	0.4			0			0	0	blue sky	
Chittagong	29.72	754.8	29.81	757.1	81.4	27.4	83	sw.	7.2	3.2			9			0	0	d. clouds	
Sibsagar	29.48	748.8	29.82	757.4	75.1	23.9	76	ne.	2.0	0.9			0			0	0	blue sky	
Jeypore	28.26	717.7	29.64	753.0	68.0	36.7	14	w.	13.5	6.0			1		w.	0	0	blue sky	
Zanzibar	29.85	758.2	.....	.....	85.7	29.8	63	wsw.	4.2	1.9			5		ne.	.....	.....	drizzling	
ITALIAN.																			
Udine	29.22	742.2	29.63	752.5	54.0	12.7	75	ne.	4.9	2.2			9			0.492	12.5		Prof. Giovanni Olodig.
Milan	29.10	739.2	29.61	752.2	61.2	16.2	45	wsw.	4.3	1.9			5	nw.		0.165	4.2		Prof. G.V.Schiapparelli
Padua	29.49	749.0	29.60	751.7	60.8	16.0	51	wsw.	14.3	6.4			2			0.126	3.2		Prof. Dott. Lorenzoni.
Moncalieri	28.71	729.1	29.60	751.8	60.3	15.7	51	se.	3.8	1.7			2	ese.		0	0		Prof. F. F. Denza.
Genoa	29.45	747.9	29.64	752.8	56.0	15.0	61	se.	11.2	5.0			0			0	0		Prof. G. M. Garibaldi.
Pesaro	29.62	752.4	29.67	753.6	60.8	16.0	58	ne.	4.3	1.9			5	nw.		0	0		Prof. Luigi Guidi.
Florence	29.43	747.4	29.68	753.8	62.2	16.8	48	w.	.....	.....	4		10	sw.		0.067	1.7		Prof. Costantino Pittei.
Leghorn	29.52	749.9	29.61	752.0	60.8	16.0	60	wsw.	9.8	4.4			3	wsw.		0	0		Prof. P. Monte.
Rome	29.58	751.2	29.75	755.6	63.0	17.2	57	w.	15.4	6.9			5	w.		0.303	7.7		Prof. P. Tacchini.
Lecce	29.52	749.8	29.77	756.1	62.2	16.8	50	nw.	17.4	7.8			5	nw.		0.067	1.7		Prof. C. de Giorgi.
Cosenza	29.00	736.7	29.80	759.1	57.6	14.2	76	wsw.	3.1	1.4			10	w.		0.449	11.4		Prof. D. Conti.
Palermo	29.61	752.1	29.86	758.4	68.0	20.5	40	wsw.	14.3	6.4			4	wsw.		0.106	2.7		Prof. G. Cacciatore
Syracuse	29.76	755.8	29.80	757.0	65.1	18.4	68	nne.	12.5	5.6			3	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.27	743.4	.....	.....	57.6	14.2	83	sw.	12.5	5.6			9	sw.		0.291	7.4		Prof. F. Brioschi.
Stelvio	21 78	553.1	.....	.....	30.2	— 1.0	67	ne.	.....	.....	2		4			0	0	misty	Prof. P. F. Denza.
Valdobbia	21.80	553.6	.....	.....	34.7	1.5	64	wnw.	.....	.....	6		5			0	0	misty	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.87	758.7	29.90	759.4	51.2	10.7	79	calm	.....	.....	0	0	0			0	0	clear	H. Hattori.
Awomori	29.76	755.9	29.80	756.9	50.0	10.0	71	s.	1.5	0.7		0	0			0	0	clear	K. Ogawa.
Hakodate	29.77	756.1	29.78	756.4	47.7	8.7	86	sw.	13.2	5.9		0	0			0	0	clear	Y. Souma.
Hamamatsu	29.93	760.2	30.03	762.7	54.7	12.6	92	calm	.....	.....	0	0	0			0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.97	761.2	29.98	761.6	56.6	13.7	75	w.	1.7	0.7		3 cs	0	w.		0	0	fair	Y. Okamoto.
Kagoshima	30.00	762.1	30.02	762.4	59.0	15.0	68	nnw.	.....	.....	2	0	0			0.012	0.3	clear	
Kanazawa	29.87	758.6	29.97	761.2	52.7	11.5	65	e.	4.6	2.1		0	0			0	0	clear	S. Endo.
Kioto	29.83	757 7	30.00	762.1	53 4	11.9	70	nw.	1.4	0.6		0	0			0	0	clear	M. Tojima.
Kochi	29.99	761.8	30.02	762.3	63.5	17.5	78	e.	4.5	2.0		0	1 s			0	0	clear	K. Kusunose.
Misaka	30.02	762 5	30.05	763.2	60.2	15.7	76	ssw.	.....	.....	2	0	0			0.004	0.1	clear	K. Masusaki&T. Ishitain.
Miyako	29.74	755.5	29.85	758.3	58.7	14.8	47	wsw.	7.3	3.2		0	0			0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.78	756.4	29.99	761.7	54.0	12.2	77	calm	0	0		1 cs	0			0.020	0.5	clear	
Nemuro	29.74	755.4	29.79	756.7	37.1	2.8	87	s.	12.0	5.4		0	6 s			0	0	fair	A Shibuya.
Niigata	29.91	759.7	29.94	760.5	55.1	12.8	67	sw.	4.4	2.0		0	0			0	0	clear	Satoo & Tomikawa.
Nobiru	29.90	759.3	29.91	759.7	45.7	7.6	96	sse.	8.2	3.7		0	0			0	0	clear	Yoshino & Midzushima.
Numadzu	29.99	761.7	30.03	762.7	57.1	13.9	80	w.	.....	.....	1		10 s			0	0	cloudy	T. Ohgi.
Osaka	29.98	761.5	30.00	761.9	57.7	14.3	82	w.	4.6	2.1		0	0			0	0	clear	H. Omura.
Saga	29.94	760.7	29.97	761.3	59.0	15.0	69	se.	1.7	0.7		0	1 s			.....	.....	raining	A. Matsuhayashi.
Sakai	29.95	760.7	29.96	760.9	54.4	12.4	71	wnw.	.....	.....	2	0	0			0	0	clear	Yamawchi & Sakamoto.
Sapporo	29.67	753.6	29.74	755.3	40.6	4.8	78	s.	14.8	6.6		0	8 ns		w.	0.020	0.5	cloudy	S. Kimura.
Shimonoseki	29.83	757.6	29.97	761.3	55.5	13.1	82	nnw.	.....	.....	1	0	1 s			0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.90	759.5	29.98	761.4	57.3	14.1	75	ssw.	14.1	6.3		0	0			0	0	clear	The Staff.
Wakayama	29.94	760 4	29.99	761.7	61.1	16.2	73	s.	0.2	0.1		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.76	755.9	29.94	760.5	78.8	26.0	76	e.	12.0	5.4		1 c	7km;ks			0.80	20.3	cloudy	The Staff.
MEXICAN.																			
Leon	24.24	615.7	29.90	759.4	57.6	14.2	63	n.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.64	752.7	29.90	759 4	65.0	18.3	89	nnw.	0	0		1 cs	0			0	0	hazy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29 88	758.9	29.88	758.9	43.9	6.6	.....	ne.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Groningen	29.84	757.9	29.89	759.3	43.7	6.5	.....	ene.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Helder	29.91	759.8	29.91	759.8	42.4	5.8	.....	ne.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	29.88	759.0	29.88	759 0	42.6	5.9	53	e.	.....	.....	4	.....	.....	.....	.....	0	0	.....	
Utrecht	29.84	758.0	29.89	759.2	44.1	6.7	46	ne.	.....	.....	3	.....	5	.....	.....	0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.89	759.3	.....	.....	74.7	23.7	88	w.	0.5	0.2		.....	7	.....	.....	0.134	3.4	.....	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.93	760.2	29.99	761.8	44.6	7.0	39	calm	0	0			1			0	0		
Brono	30.26	768.7	30.30	769.7	33.4	0.8	54	e.	.....	.....	4		8			0	0		
Christiania	29.97	761.1	30.12	765.0	35.1	1.7	68	ene.	20	9			10			0	0		
Gjoesvær	30.28	769.1	30.30	769.7	33.8	1.0	.....	n.	.....	.....	6		10			0	0		
PORTUGUESE.																			
Funchal, Madeira	29.66	753.4	29.75	755.6	62.1	16.7	93	sw.	6.3	2.8			10			1.992	50.6	rain & fog	Capt. D. A. de Cunha.
Lisbon, Observatory	29.54	750 4	29.88	758.9	57.7	14.3	58	wsw.	5.6	2.5			8			0	0		The Staff.
Ponta Delgada, Azores	29.37	746.1	29.45	747.9	60.8	16.0	73	ese.	13.0	5.8			3			0.484	12.3		
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	29.94	760.5	29.98	761.4	70.9	21.6	69	ne.	.....	.....	2		9			0	0		
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	25.06	636.4	29.90	759 4	34.2	1.2	98	wnw.	12.5	5.6			10			0.138	3.5	foggy	
RUSSIAN.																			
Akmolinski	28.74	729.9	29.84	758.0	35.8	2.1	69	nw.	20	9			9 k			0	0	h'vy clouds	Major K. Lasarew.
Arcnanget	30.17	766.4	30.19	766.9	25.9	— 3.4	72	nw.	9	4			10			0	0		Capt. Sselliwerstow
Ashurada	30.04	763 0	29.95	760.6	63.0	17.2	77	nne.	9	4		0	3 k			0	0		
Astrakhan	29.99	761.7	29.92	759.9	66.7	19.3	44	ese.	13	6		0	0			0	0		Capt. Wisganow.
Baku	29.94	760.5	29.89	759.3	57.7	14.3	82	s.	18	8		0	0			.....	.....		
Barnaul	29.02	737.2	29.53	750.0	40.3	4.6	96	calm	0	0			10			0.240	6.1		Meteorological Office.
Bielosersk	29.66	753.3	30.14	765.6	35.1	1.7	48	n.	7	3		1 c	0			0	0	solar halo	
Dorpat	29.74	755.5	30.00	761 9	39.6	4.2	54	ene.	13	6		4 c	0			0	0	light clouds	Rosenthal.
Ekaterinburg	29.03	737.3	30.02	762.4	37.0	2.8	41	wnw.	13	6		0	6k;ks			0	0		Meteorological Obs'y.
Elisawetgrad	28.95	735.3	29.39	746.4	57.6	14.2	76	sw.	11	5			9 kn			0.150	3.8		
Kasalinsk	29.80	756 8	29.97	761.3	64.6	18.1	52	n.	7	3						.....	.....		Butkewitsch.
Kasan	29.92	759.9	30.20	767 0	37.2	2.9	49	s.	2	1			10			0.024	0.6		Observatory.
Kem	30.27	768.8	30.32	770.1	27.0	— 2.8	66	ne.	13	6			10 k			0	0	h'vy clouds	
Kertch	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lagorio & Sastyrea.
Kieff	28.71	729.2	29.34	745.3	42.8	6.0	87	n.	9	4			10 n			0.480	12.2	raining	Observatory
Kosiov	29.27	743.5	29.79	756 7	35.4	1.9	100	ese.	10	7			10 s			0.120	3.2		
Lgov	28.95	735.3	29.53	750.1	46.2	7.9	92	e.	31	14			8			0.028	0.7	rain & snow	R. I. Saawoljew, Engin'r.
Libau	29.85	758.1	29.87	758.7	43.3	6.3	35	ne.	13	6			5			0	0	light clouds	E. Quass.
Lugan	29.36	745.8	29.56	750.9	67.3	19.6	49	sw.	34	15			6			0.004	0.1		Meteorological Obs'y.
Moscow	29.48	748.7	29.98	761.4	32.2	0.1	77	nne.	7	3			10 n			.....	.....	snowing	Meteorological Obs'y.
Nertschinsk	27.88	708.1	30.28	769.2	22.3	— 5.4	42	calm	0	0			0			0	0		
Nikolaiev	29.36	745.8	29.43	747.6	65.3	18.5	61	s.	18	8		0	6 kn			0	0		Capt. Kurdakow.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.79	756.7	29.88	758.9	20.1	— 6.6	84	nw.	4	2	.....	.....	10 n	.....	.....	.....	.....	light snow...	Iwanow.
Pekin, China	29.53	750.1	29.67	753.7	63.7	17.6	44	se.	2	1	.....	0	8 n	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.67	753.5	30.01	762.2	71.2	21.8	26	ne.	1.1	0.5	.....	10 cs	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.94	760.4	30.14	765.6	35.2	1.8	69	ese.	11	5	.....	0	4 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.05	737.9	29.56	750.8	34 0	1.1	92	nne.	9	4	.....	.....	10 n	.....	.....	0.689	17.5	raining	
Poti	29.81	757.2	29.84	758.0	59.9	15.5	81	s.	4	2	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.06	763.4	30.08	764.0	38.3	3.5	45	nne.	11	5	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.48	697.9	29.86	758.5	70.0	21.1	50	calm	0	0	.....	6 ck	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	28.97	735.8	29.60	751 9	62.1	16.7	68	calm	0	0	.....	.....	10	.....	.....	0.079	2.0	.....	Major Lasarew
Sevastopol	29.48	748.8	29.69	754.1	60.4	15.8	55	wsw.	27	12	.....	1 cs	0	.....	.....	0	0	.....	
Staroi Bykhov	29.03	737.4	29.60	751.9	33.6	0.9	90	e.	13	6	.....	.....	10	.....	.....	0.110	2.8	light rain....	Carl Hagen.
Tashkend, Laboratory	28.28	718.4	29.91	759.7	66.6	19.2	53	nw.	4	2	.....	.....	8 k	.....	.....	.....	.....	light clouds	Terch, A. M
Tiflis	28.46	722.8	29.83	757.7	69.4	20.8	52	se.	7	3	.....	0	3 ks	.....	.....	0.047	1.2	.....	Physical Observatory
Vernoe	27.33	694.1	29.76	756.0	63.0	17.2	26	se.	7	3	.....	.....	10 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.47	748.5	30.12	765 0	38.3	3.5	42	w.	7	3	.....	.....	1	.....	.....	0	0	.....	
Vladivostock	29.86	758.5	29.93	760.2	38.3	3.5	62	n.	18	8	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.23	742.5	29.67	753.6	34.9	1.6	87	n.	9	4	.....	.....	10 n	.....	.....	.....	.....	h'vy clouds	Astronomical Obs'y.
Yeniseisk	29.37	745.9	29.66	753.3	35.6	2.0	60	nnw.	2	1	.....	.....	3	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.32	744.7	29.85	758.2	31.5	— 0.3	96	ene.	25.5	11.4	.....	.....	10 n	.....	e.	0	0	cloudy.....	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.69	751.0	29.80	756.8	59.2	15.1	63	sw.	8.5	3.8	.....	0	8 kn	.....	.....	0.256	6.5	.....	B. Jelin.
Bilbao, Met. Obs'y	29.81	757.1	29.87	758.6	52.9	11.6	75	nw.	1.1	0.5	.....	.....	10	.....	.....	0.173	4.4	covered.....	Angel de Uraldo.
Burgos, Met. Obs'y	26.83	681.5	29.79	756.7	51.8	11.0	63	w.	4.9	2.2	.....	.....	8	.....	.....	0.126	3.2	cloudy.....	Domingo Martin.
Madrid, Royal Obs'y	27.62	701.5	29.84	758.0	53.8	12.1	57	sw.	16.6	7.4	.....	0	8	.....	.....	0.008	0.2	very cloudy	The Staff.
Murcia, Met. Obs'y	29.71	754.6	29.84	757.8	65.7	18.7	67	ese.	1.8	0.8	.....	2	7	W.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.91	734.2	29.80	757.0	54.7	12.6	59	ne.	8.1	3.6	.....	.....	9	.....	.....	0.220	5.6	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.89	759.2	29.95	760 8	75.0	23.9	85	se.	2.2	1.0	.....	0	k	.....	s.	0	0	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.86	758.4	29.91	759.8	83.0	28.3	72	s.	11.0	4.9	.....	0	1 ks	.....	.....	0	0	clear.....	F. Faura, S. J.
San Fernando, Naval Obs'y	29.85	758.2	29.95	760.7	62.4	16.9	64	calm	0	0	.....	0	8	.....	w.	0.141	3.6	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.91	759 7	30.00	762.0	74.1	23.4	87	calm	0	0	.....	4 s	1 k	s.	s.	0	0	.....	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	30.30	769.5	30.34	770.5	33.3	0.7	90	n.	.....	.....	2	.....	7	.....	.....	0	0	.....	
Umea	30.24	768.0	30.29	769.3	35.2	1.8	93	ne.	.....	.....	4	.....	5	.....	.....	0	0	.....	
Hernosand	30.15	765.9	30.21	767 2	37.8	3.2	47	e.	.....	.....	4	.....	2	.....	.....	0	0	.....	
Stockholm	29.91	759.8	30.09	764.3	35.2	1.8	75	nne.	.....	.....	4	.....	10	.....	.....	0.012	0.3	.....	
Wisby	29.92	759.9	29.98	761.4	42.1	5.6	49	nne.	.....	.....	4	.....	5	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.03	762.7	30.11	764.9	34.7	1.5	72	ne.	12.8	5.7	.....	.....	9	.....	ne.	0.004	0.1	.....	H.H.Hildebrandsson
Swiss																			
Geneva	28.31	719.0	29.72	755 0	55.0	12.8	46	w.	.....	.....	1	.....	10	.....	.....	0	0	covered.....	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.82	757.3	70.3	21.3	44	sw.	11	5.0	.....	.....	2	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.93?	760.3?	59.9	15.5	.....	sw.	.....	.....	2	.....	10	.....	.....	0	0	covered.....	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.92	759.9	72.0	22.2	71	sw.	.....	.....	4	1 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.91	759.7	29.99	761.7	50.3	10.2	80	n.	7	3.1	.....	.....	10 s	.....	n.	0	0	cloudy.....	J. O. Barnes.
Alpena, Michigan	29.54	750.3	30.23	767.8	35.8	2.1	79	nw.	16	7.2	.....	.....	10 n	.....	.....	inap.	inap.	sleeting	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.04	636.0	29.96	761.0	29.8	— 1.2	83	ne.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear.....	J. B. Turton.
Assinnaboine, Ft., Montana	27.45	697.2	30.36	771 1	40.4	4.7	77	sw.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	J.J.O'Connor.
Atlanta, Georgia	28.73	729.7	29.92	760.0	59.3	15.2	98	se.	4	1.8	.....	.....	fg.	.....	.....	0.68	17.3	dense fog....	S. W. Beall
Atlantic City, New Jersey	29.95	760.7	29.96	761 0	50.0	10.0	86	n.	3	1.3	.....	.....	10 k	.....	n,	0	0	cloudy.....	B.A.Blundon.
Augusta, Georgia	29.73	755.1	29.92	760 0	64.2	17.9	84	w.	1	0.4	.....	.....	10 s	.....	w.	0.22	5.6	cloudy	W.J.Evans.
Baltimore, Maryland	29.97	761.2	30.02	762.5	53.0	11.7	72	n.	2	0.9	.....	2 c	0	.....	.....	0	0	clear.....	Geo. W. Felger.
Barnegat City, New Jersey	29.95	760.7	29.97	761.2	49.8	9.9	83	ne.	4	1.8	.....	0	8 k	.....	ne.	0	0	cloudy.....	J.P.Sherry.
Bennett, Fort, Dakota	28.97	735.8	30.61	777.5	22.0	— 5.6	78	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear.....	A. Pritchard.
Benton, Fort, Montana	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C.S.Bennett.
Bismarck, Dakota	28.74	730.0	30.62	777.7	22.2	— 5.4	70	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	B. O. Lenoir.
Block Island, Rhode Island	29.90	759.4	29.93	760.2	44.2	6.8	91	n.	9	4.0	.....	.....	10 s	.....	.....	0	0	cloudy	J. T. Eiker.
Boise City, Idaho	27.26	692.4	30.10	764.5	43.7	6.5	85	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	James Kenealy.
Boston, Massachusetts	29.79	756.7	29.95	760.7	44.6	7.0	100	nw.	9	4.0	.....	.....	10 n	.....	.....	0.04	1.0	light rain.....	O. B. Cole.
Brownsville, Texas	29.75	755.6	29.81	757.2	69.0	20.6	100	ne.	12	5.4	.....	.....	10 n	.....	.....	0.01	0.3	light rain.....	John McGlone.
Buffalo, New York	29.28	743.7	30.05	763.3	44.5	6.9	87	ne.	4	1.8	.....	.....	10 s	.....	ne.	0	0	cloudy.....	D.Cuthbertson.
Buford, Fort, Dakota	28.47	723.1	30.57	776.5	24.4	— 4.2	72	e.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	A. Schneider.
Cairo, Illinois	29.54	750.3	29.95	760.7	56.0	13.3	86	n.	12	5.4	.....	.....	10 s	.....	n.	0	0	cloudy...	W. H. Ray.
Canby, Fort, Washington Ter	29.99	761.7	30.19	766.8	48.5	9.2	82	calm	0	0	.....	0	hz.	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	29.96	761.0	29.98	761.5	51.0	10.6	80	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	A. K. Alderson.
Cape May, New Jersey	29.95	760 7	29.98	761.5	48.0	8.9	86	nw.	3	1.3	.....	.....	9 s	.....	nw.	0	0	cloudy.....	W.E.Smith.
Cape Mendocino, California	29.40	746.7	30.09	764.3	44.2	6.8	80	s.	5	2.2	.....	0	5 s	.....	.....	0	0	fair.....	A. P. Leavitt.
Cedar Keys, Florida	29.91	759 7	29.93	760.2	73.4	23.0	97	sw.	7	3.1	.....	.....	10 s	.....	sw.	0	0	cloudy.....	G. W. Davis.
Charleston, S. Carolina	29.80	756.9	29.86	758.4	63.5	17.5	93	ne.	9	4.0	.....	.....	10s; fg	.....	ne.	0.36	9.1	cloudy..	J. H. Smith.
Charlotte, N. Carolina	29.07	738.4	29.93	760.2	57.0	13.9	90	e.	1	0.4	.....	6 cs	fg.	.....	.....	0.05	1.3	fair.....	D. O'Donoghue.
Chattanooga, Tennessee	29.07	738.4	29.90	759.4	60.7	15.9	95	n.	2	0.9	.....	.....	10 ks; fg	.....	sw.	0.06	1.5	cloudy.....	B. L. Gouldine.
Cheyenne, Wyoming	24 25	615.9	30.26	768.6	23.4	— 4.8	84	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	E. McGovern.
Chicago, Illinois	29.43	747.5	30.16	766.1	35.9	2.2	88	n.	20	8.9	.....	.....	10 n	.....	n.	0.11	2.8	heavy rain..	T.B.Jennings.
Chincoteague, Virginia	29.90	761.0	29.98	761.5	49.4	9.7	89	ne.	7	3.1	.....	.....	10 ks	.....	ne.	0	0	cloudy.....	C. F. Dickens
Cincinnati, Ohio	29.29	744.0	29.96	761.0	51.0	10.6	80	ne.	5	2.2	.....	.....	10 s	.....	ne.	0.10	2.5	cloudy	L.Dunne.
Cleveland, Ohio	29.28	743.7	30.04	763.0	42.2	5.7	93	ne.	9	4.0	.....	.....	10 s	.....	ne.	0	0	cloudy.....	W.Line.
Columbus, Ohio	29.09	738.9	29.96	761 0	44.9	7.2	82	n.	10	4.5	.....	.....	10 s	.....	n.	0.02	0.5	cloudy.....	F.T. Williams,
Concho, Fort, Texas	28.27	718.0	30.21	767.3	38.0	3.3	92	n.	16	7.2	.....	.....	10 n	.....	n	inap.	inap.	light rain....	C. E. King.
Custer, Fort, Montana	27.10	688.3	30.28	769.1	31.7	— 0.2	68	e.	6	2.7	.....	hz.	4 s	.....	.....	0	0	fair.....	W.J.Daily.
Davenport, Iowa	29.51	749.5	30.18	766.6	38.3	3.5	81	ne.	14	6.3	.....	.....	10 n	.....	ne.	0.12	3.0	light rain....	R. R. Martin.
Davis, Fort, Texas	25.31	642.9	30.09	764.3	31.0	— 0.6	92	n.	12	5.4	.....	0	7 ks	.....	n	0.01	0.3	fair.....	J. Williams.
Dayton, Washington T'y	28.39	721.1	30.15	765.8	42.2	5.7	76	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	H.S.Blandford.
Deadwood, Dakota	25.69	652.5	30.38	771.6	22.2	— 5.4	80	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	G.Kingsbury.
Delaware Breakwater, Del	29.97	761.2	29.99	761.7	47.8	8.8	89	e.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	G.A.Martin.
Denver, Colorado	24.98	634.5	30.25	768 3	24.0	— 4.4	76	s.	1	0.4	.....	0	4 s	.....	.....	0.03	0.8	fair.....	E. M. Neal.
Des Moines, Iowa	29.36	745.7	30.29	769.4	37	2.8	72	ne.	14	6.3	.....	.....	10 s	.....	ne.	0.39	9.9	cloudy.....	F. W. Conrad.
Detroit, Michigan	29.38	746.2	30.10	764.5	42.1	5.6	82	nw.	8	3.6	.....	.....	10 s	.....	nw.	0	0	cloudy.....	N.B.Conger.
Dodge City, Kansas	27.66	702.6	30.30	769.6	32.3	0.2	78	nw.	13	5.8	.....	2 cs	7 s	W.	w.	0.02	0.5	cloudy	J.E.Lamouette.
Dubuque, Iowa	29.52	749.8	30.25	768.3	37.5	3.1	77	ne.	10	4.5	.....	.....	10 n	.....	ne.	0.24	6.1	light rain.....	A.W.Browne.
Duluth, Minnesota	29.80	756.9	30.57	776.5	28.3	— 2.1	64	ne.	15	6.7	.....	0	0	.....	.....	0	0	clear.....	E.R.Brace.
Eastport, Maine	29.91	759.7	29.98	761.5	45.0	7.2	96	ne.	12	5.4	.....	.....	10s; fg	.....	n., ne.	0.85	21.6	cloudy.....	D. C. Murphy.
Elliott, Fort, Texas	27.44	697.0	30.22	767.6	34	1.1	82	n.	26	11.6	.....	0	2 s	.....	n.	0	0	clear.....	J. O. Rickli.
El Paso, Texas	26.40	670.5	30.14	765.5	42.0	5.6	59	e.	4	1.8	.....	0	7 s	.....	ne.	inap.	inap.	fair.....	F. Belford.
Erie, Pennsylvania	29.30	744.2	30.05	763 3	45.9	7.7	82	ne.	1	0.4	.....	.....	10 s	.....	ne.	0	0	cloudy.....	P. Wood.
Escanaba, Michigan	29.69	754.1	30.38	771.6	30.0	— 1.1	86	n.	34	15.2	.....	.....	10 ks	.....	n.	0.02	0.5	cloudy.....	L.M.Pindell.
Fort Smith, Arkansas	29.55	750.6	30.03	762.7	50.6	10.3	86	nw.	8	3.6	.....	.....	10 s	.....	n.	0	0	cloudy	J. B. Campbell.
Galveston, Texas	29.80	755.9	29.84	757.9	66.4	19.1	86	n.	27	12.1	.....	.....	10 ks	.....	n.	0.46	11.7	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.49	749.0	30.18	766.6	38.0	3.3	89	n.	17	7.6	.....	.....	10 n	.....	n.	0.05	1.3	light rain.....	Joseph E. Mueller.
Grant, Fort, Arizona	25.27	641.8	30.00	762.0	41.2	5.1	33	n.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	Chas. A. Read.
Hatteras, North Carolina	29.91	759.7	29.92	760.0	54.3	12.4	81	ne.	11	4.9	.....	0	7 k	.....	w.	inap.	inap.	fair.....	R. M. Crawford.

STATIONS.	Barometer. (Corrected for instrumental error and for temperature.) Inch.	Barometer. (Corrected for instrumental error and for temperature.) Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. c=10	Clouds. Amount and kind. Upper. c=10	Clouds. Amount and kind. Lower. c=10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.88?	657.3?	30.09?	764.3?	28.5	— 1.9	70	s.	1	0.4		0	0			0	0	clear	S. W. Morrison.
Huron, Dakota	29.10	739.1	30.55	776.0	25.8	— 3.4	87	n.	7	3.1		0	0			inap.	inap.	clear	S. W. Glenn.
Indianapolis, Indiana	29.14	740.1	29.96	761.0	47.5	8.6	79	ne.	8	3.6			10 s		ne.	0.52	13.2	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.85	758.2	29.88	758.9	58.0	14.4	80	n.	40	17.9		0	8 k		n.	0.32	8.1	cloudy	T. A. Reed.
Jacksonville Florida	29.85	758.2	29.89	759.2	73.0	22.8	84	sw.	5	2.2			10 s		nw.	0	0	cloudy	J. W. Smith.
Keokuk, Iowa	29.45	748.0	30.12	765.0	42.0	5.6	92	n.	11	4.9			10 n		n.	0.25	6.3	light rain	F. Z. Gosewisch.
Key West, Florida	29.91	759.7	29.93	760.2	78.8	26.0	83	se.	4	1.8		0	2 ks		se.	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	29.95	760.7	29.97	761.2	51.4	10.8	74	ne.	11	4.9		5 c	0	ne.		0	0	fair	Wesley Blake.
Knoxville, Tennessee	28.85	732.8	29.89	759.2	58.7	14.8	93	calm	0	0		4 k	5 s	sw.		0	0	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.55	750.6	30.35	770.9	35.2	1.8	69	n.	16	7.2			10 s			0.01	0.3	cloudy	S. C. Emery.
Leavenworth, Kansas	29.28	743.7	30.10	766.8	42	5.6	92	n	13	5.8			10 s		n.	0.45	11.4	cloudy	C. Dill.
Lewiston, Idaho	29.34	745.2	30.19	766.8	43.0	6.1	74	ne.	1	0.4		0	0			0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.61	752.1	29.93	760.2	59.0	15.0	88	n.	10	4.5		0	0			0	0	clear	W. U. Simons.
Los Angeles, California	29.68	753.9	30.08	764.0	52.5	11.4	86	ne.	6	2.7		0	0			0	0	clear	T. S. Collins.
Louisville, Kentucky	29.32	744.7	29.89	759.2	51.7	10.9	88	ne.	14	6.3			10 ks		ne.	0.20	5.1	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.29	744.0	30.00	762.0	53.0	11.7	80	ne.	2	0.9		7 cs	0			0	0	fair	Jno. Healy.
Mackinaw City, Michigan	29.64	752.8	30.32	770.1	33.1	0.6	85	n.	12	5.4		0	8 s		n.	0.02	0.5	cloudy	D. B. Notson.
Macon, Fort, North Carolina	29.90	759.4	29.92	760 0	56.0	13.3	80	ne.	10	4.5		0	5 s		ne.	0.09	2.3	fair	William Daly.
Maginnis, Fort, Montana	25 79	655.1	30.29	769.4	20.4	— 6.4	48	w	3	1.3		0	0			0	0	clear	F. Burke.
Marquette, Michigan	29.74	755.4	30.49	774.4	29.0	— 1.7	88	n.	14	6.3			10 s		n.	0.07	1.8	cloudy	J. Gilligan.
Memphis, Tennessee	29.55	750.6	29.89	759.2	59.0	15.0	96	nw.	10	4.5			10 s		nw.	0.34	8.6	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.48	748.8	30.25	768.3	31.4	— 0.3	96	ne.	30	13.4			10 n			0.26	6.6	light snow	S. W. Rhode.
Mobile, Alabama	29.82	757.4	29.86	758 4	67	19.4	90	n.	6	2.7			10 s		sw.	0.04	1.0	threatening	H. U. Jones.
Montgomery, Alabama	29.64	752.8	29.87	758.7	67.0	19.4	92	sw.	7	3.1			10 s		sw.	1.14	29.0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.56	750.8	30.59	777.0	25.0	— 3.9	73	n.	8	3.6		0	0			0	0	clear	L. M. Dey.
Mt. Washington, N. H	23.71	602.2	30.12	765.0	30.0	2.2	96	e.	24	10.7		4 cs	3 k	e.	e.	0.02	0.5	fair	E. A. Beals.
Nashville, Tennessee	29.28	743.7	29.86	758.4	60.0	15.6	93	sw.	5	2.2		10 cs	0	s.		0.03	0.8	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.85	758.2	29.97	761.2	47.4	8.6	82	n.	4	1.8			10 s			0.01	0.3	cloudy	J. H. Sherman.
New London, Connecticut	29.90	759.4	29.95	760.7	47.0	8.7	77	ne.	2	0.9			10 s			0	0	cloudy	J. G. Lynch.
New Orleans, Louisiana	29.71	754.6	29.77	756.1	75.0	23.9	82	calm	0	0			10 ks		s.	0	0	cloudy	M. Herman.
New York, New York	29.80	756.9	29.98	761.5	49.5	9.7	86	nw.	2	0.9			10 s		nw.	0	0	cloudy	W. Finn.
Norfolk, Virginia	29.93	760.2	29.96	761.0	55.0	12.8	78	calm	0	0		6 cs	0	w.		0	0	fair	Wm. Davis.
North Platte, Nebraska	27.43	696.7	30.39	771.9	25.6	— 3.6	68	n.	10	4.5		0	6 s			0	0	fair	E. F. Brady.
Olympia, Washington Ter	30.09	764.3	30.13	765.3	45.0	7.2	80	calm	0	0		0	0			0	0	clear	J. Dascomb
Omaha, Nebraska	29.12	739.6	30.33	770.4	30.6	2.6	75	n.	9	4.0			10 s			0.01	0.3	cloudy	A. Pollak
Oswego, New York	29.73	755.1	30.07	763.8	41.0	5.0	96	n.	4	1.8			10 s		ne.	inap.	inap.	threatening	J. G. Linsley.
Palestine, Texas	29.45	748.0	30.01	762.2	48.1	8.9	95	nw.	13	5.8			10 s		nw.	2.08	52.8	cloudy	P. T. Jenkins.
Pensacola, Florida	29.75	755.6	29.78	756.4	73.2	22.9	98	e.	5	2.2			10 s		s.	0	0	cloudy	M. McGauran.
Philadelphia, Pa	29.88	758 9	30.01	762.2	51	10.6	93	ne.	4	1.8			10 s		ne.	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.72	450.1	30.00	762.0	— 3.0	—19.4	79	ne.	21	9.4		0	0			0.05	1.3	clear	H. Hall.
Pittsburg, Pennsylvania	29.14	740.1	29.97	761.2	48.8	9.3	77	ne.	4	1.8		3 c	0			0	0	clear	O. D. Stewart.
Popiar River, Montana					24.8	— 3.4	86					0	0			0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.36	745.7	30.06	763.5	36.0	2.2	82	ne.	14	6.3			10 s		ne.	0	0	cloudy	M. H. Perry
Portland, Maine	29.89	759.2	29.94	760.5	47.7	8.7	91	ne.	8	3.6			10s;fg		ne.	0.05	1.3	cloudy	W. W. Eichelberger.
Portland, Oregon	30.04	763.0	30.12	765.0	47.8	8.8	90	n	1	0.4		0	0			0	0	clear	M. L. Hearne.
Prescott, Arizona	24.78	629.4	30.05	763.3	34.0	1.1	92	n.	1	0.4		0	0			0	0	clear	J. Glover.
Provincetown, Mass																			C. N. Kitchel.
Red Bluff, California	29.74	755.4	30.10	764.5	51.5	10.8	95	nw.	4	1.8		0	0			0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.68	753.9	29.92	760.0	69.0	20.6	91	n.	20	8.9			10 n		n.	0.14	3.6	heavy rain	L. G. Schultz.
Rochester, N. Y	29 39	746.5	30.08	764.0	42.8	6.0	84	e.	4	1.8			10k;ha		ne.	0	0	cloudy	E. W. McGann.
Roseburg, Oregon	29.56	750.8	30.12	765.0	43.4	6.3	88	calm	0	0		0	0			0	0	clear	J. J. Naury.
Sacramento, California	30.01	762.2	30.08	764.0	53.0	11.7	86	se.	5	2.2		0	0			0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.40	746.7	30.03	762.7	43.8	6.6	95	n.	16	7.2			10 n		n.	0.19	4.8	light rain	J. H. Weber.
St. Michael, Fort, Alaska	29.99	761.7	30.02	762.5	9	—12.8	87	ne.	20	8.9		5 cs	0	ne.		0	0	fair	Fred. H. Clarke.
St. Paul, Minnesota	29.56	750.8	30.44	773.2	35.8	2.1	55	n.	13	5.8		0	9 k		ne.	0	0	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.79	756.7	30.70	779.8	22.2	— 5.4	70	ne.	3	1.3		0	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25 72	653.3	30.09	764.3	41.3	5.2	50	calm	0	0		0	0			0	0	clear	J. Craig.
San Diego, California	29.95	760.7	30.02	762.5	52.7	11.5	92	n.	1	0.4		0	fg.			0	0	clear	F. R. Day.
Sandusky, Ohio	29.37	746.0	30.07	763.8	44.2	6.8	83	n.	23	10.3			10 ks		n.	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	29.96	761.0	29.99	761.7	48.0	8.9	93	ne.	9	4.0			10 ks		ne.	0	0	cloudy	V. P. Chappel.
Sanford, Florida	29.86	758.4	29.91	759.7	73.1	22.8	79	nw.	2	0.9			10 ks		nw.	0	0	cloudy	J. B. Marbury
San Francisco, California	30.02	762.5	30.09	764.3	52.2	11.2	87	sw.	2	0.9		0	fg.			0	0	clear	N. Gorom.
Savannah, Georgia	29.83	757.7	29.92	760.0	65.5	18.6	90	s.	2	0.9			10 s		sw.	0.17	4.3	cloudy	H. W. Ford.
Shaw, Fort, Montana	26.67	677.4	30.34	770.6	26	— 3.3	76	w	5	2.2		0	0			0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.71	754.6	29.95	760.7	59.2	15.1	89	n.	11	4.9			10 s		n	1.04	26.4	cloudy	E. N. Meekins.
Sitka, Alaska	30.06	763.5	30.13	765.3	42.7	5.9	78	w.	4	1.8		0	0			0	0	clear	F. W. Fickett.
Smithville, North Carolina	29.86	758.4	29.90	759.4	56.7	13.7	81	ne.	8	3.6		6 cs	0	w.		0.01	0.3	fair	D. Parker.
Spokane Falls, Wash. Ter.	28.10	713.7	30.16	766.1	38.0	3.3	68	calm	0	0		0	0			0	0	clear	D. Moore.
Springfield, Illinois	29.38	746.2	30.08	764.0	40.0	4.4	90	n.	19	8.5			10 n			0.81	20.6	light rain	W. Norrington.
Stockton, Fort, Texas	27.20	690.9	30.23	767.8	34.3	1.3	100	nw.	8	3.6			10 n			0.02	0.5	light rain	J. W. Byram.
Tatoosh Id., Wash. Ter	30.12	765.0	30.21	767.3	49.1	9.5	90	sw.	6	2.7			10 s			0	0	cloudy	R. Connor.
Thomas, Camp, Arizona	27.35	694.7	30.08	764.0	41.2	5.1	59	e.			2	0	0			0	0	clear	R. C. Lord.
Toledo, Ohio	29.34	745.2	30.05	763.3	43.2	6.2	74	ne.	12	5.4			10 s		n.	0	0	cloudy	A. Buell.
Unalashka, Alaska	29.73	755.1	29.75	755.6	24	— 4.4	73	nw.	20	8.9			10 s		nw.	0	0	cloudy	Samuel Applegate
Vicksburg, Mississippi	29.63	752.6	29.89	759.2	63	17.2	93	n.	4	1.8			10 s		n.	0.39	9.9	cloudy	F. W. Mixer.
Washington, D. C	29.90	759.4	30.02	762.5	50.0	10.0	81	ne.	3	1.3		5 c	hz.	ne.		0	0	fair	T. B. Harrison.
West Las Animas, Colorado	26.29	667.8	30.24	768.1	29.6	— 1.3	80	n.	8	3.6		10 cs	0			0.05	1.3	cloudy	F. H. Brandenburg
Wilmington, N Carolina	29.86	758.4	29.92	760.0	56.3	13.5	76	calm	0	0		6 cs	3 s			inap.	inap.	cloudy	L. H. Albrecht.
Yankton, Dakota	29.12	739.6	30.46	773.7	28.5	— 1.9	83	n.	5	2.2		0	0			0	0	clear	E. H. Thompson.
Yuma, Arizona	29.82	757.4	29.97	761.2	56.8	13.8	57	sw.	3	1.3		0	0			0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.97	761.2	29.99	761.7	25.1	— 3.8		nw.	27	12.1		0	7 n		nw.	0.02	0.5	fair	George Oherulck.
Bluefields, Nicaragua, C. A					86	30.0		nw.			2	0	9 k		ne.	0	0	cloudy	W. P. Jackson.
Bogota, U. S. C	22.07	560.6			53.6	12.0	93	sw.	2	1			10 pk			0.177	4.5		Joaquin Gomez.
Chimo, Fort, Ungava	29.86	758.4	30.00	762.0	41	5.0	92	calm	0	0		10 ck	0	s.		0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I			30.00	762.0	76	24.4	73	calm	0	0		10 cs	0	sw.		0	0	cloudy	Robert Johnston.
Paramaribo, S. A	30.00	762.0	30.00	762.0	77	25.0	91	e.			1		8 ks	e.	e.	0.140	3.6	cloudy	Dr. C. J. Hering.
Puerto Berrio, U. S. C	29.57?	751.1?	30.13?	765.3?	79	26.1	89	calm			0		10 k		calm	0.08	2.0	cloudy	Francisco J. Olsamendi.
Rivas, Nicaragua, C. A	29.85?	758.2?	30.01?	762.2?	73	22.8	88	se.			1	5 ck		e.		0	0	fair	Earl Flint.
York Factory, B. A	30.50	774.7	30.57	776.5	— 4.5	—20.3	82	n.	12	5.4		1 c	1 s	n.	n.	0	0		Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon																			P. Fasiani.
Naos, Bay of Panama																			Antonio Fabres.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
							Miles p. hr.	Mtrs. p. sec		Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Arizona, N. 51° 2s', W. 9° 10'.			51	10.6		calm			0		2		calm	0	0	sm'h		fine.
S. S. Alvo, Kingston, Jamaica, W.I			76	24.4		se.			4–5		4		ese.	0	0			hazy.
S. S. Alps, N. 29° 42', W. 74° 31'*†	29.77	756.1	72	22.2		w.			6		4		sw.			sm'h	sw.	
S. S. Anchoria, N. 40° 20', W. 68° 21'						n.			2		fg.		ene.	0	0	light	e	fine.
S. S. Assyrian Monarch, N. 40° 24', W. 70° 00'†	29.85	758.2	43	6.1		n.			4		10			0	0	sm'h		dense fog.
S. S. City of Washington, N. 21° 10', W. 90° 22'*†	29.92	760.0	80	26.7		se.			6		2		se.	0	0			clear.
S. S. Canada, (Br) N. 44° 12', W. 56° 54'						ese.			5		2		calm	0	0	r'gh	cross	clear.
S. S. Cienfuegos, Cienfuegos, Cuba, W.I.	30.00	762.0	78	25.6		nne.			1		2		nne.	0	0			clear.
S. S. Canada, (Fr) N. 49° 48', W. 9° 08'	30.02	762.5	48.2	9		nnw.			3		5 k		nnw.			sm'h	n.	fair.
S. E. B. Sutton, N. 40° 22', W. 70° 05' *†	29.84	757.9				nnw.			6		fg			0	0	sm'h	e.	foggy
Bk. C. S. Bushnell, N. 41° 12', W 40° 21'	30.13	765.3				n.			4		2		n.	0	0		n.	d. clouds.
S. S. Eider, N. 48° 08', W. 28° 47' *	29.99	761.8	50.9	10.5		ne.			1		7		ne.	0	0	sm'h	var.	fair.
S. S Egypt, N. 48° 18', W. 33° 34'			48	8.9		n.			2		5			0	0	sm'h	ne.	fair.
S. S. Holland, N. 49° 25', W. 11° 35' *	29.97	761.2	52	11.1		ene.			1		2		e.	0	0	mod.	ene.	hazy.
S. S. Lord Clive, N. 48° 34', W. 30° 06'			59.0	15.0		nnw			2		3		wnw.	0	0	mod.	n.	fine.
S. S. Lone Star, N. 27° 33', W. 80° 06'†	29.87	758.7	72	22.3		sw.			2		10?		s.	0	0	sm'h		clear.?
S S. Llandaff City, N. 40° 25', W. 73° 32' *†	29.98	761.5	52	11.1		ne.			4		5		n.	0	0	sm'h		fair.
S. S. Main, N. 40° 20', W. 69° 41'	29.87	758 7	42.8	6.0		nne.			4		9		ne.	0	0	sm'h	nne.	foggy.
S. S. Nurnberg, N. 40° 51, W. 62° 34'	29.80	756.9	51.8	11.0		sse.			1		4		sse.	3 h'r	3 h'r	sm'h	sse.	fair.
S. S. Nova Scotian, N 44° 15' W. 56° 55'	30.19	766.8	43	6.1		e.			2		0					slt't	ese.	clear.
S. S. Nessmore, N. 44° 54', W. 34° 27'	30.11	764.8	56	13.3	87	nne.			5		2?		ne.	4 h'r	4 h'r	mod.	ne.	overcast?
S. S. Normandie, N. 42° 22', W. 44° 27'			59.0	15.0		ne.			3		4		ne.	2 h'r	2 h'r	long	ene.	fair.
S. S. Orinoco, Bermuda, Atlantic			70	21.1		w.			1		8			1 h'r	1 h'r			showery.
S. S. Polynesian, N. 42° 15', W 62° 20'	29.77	756.1	44	6.7		ne.			4		10			0	0	sm'h		foggy.
S. S. Rosse, N. 40° 07', W. 62° 21'	29.76	755.9	66	18.9	84	ese.			5		4		ese.	2 h'r	2 h'r	short	se.	fair.
S. S. Rhaetia, N. 49° 45', W. 20° 46'	29.95	760.7	50	10.0		wnw.			2		6		wnw.	0	0	mod.	n.	fair.
S. S. Rhein, N. 42° 01', W. 54° 45'						s.			4		10			0	0	sm'h	s.	foggy.
S. S. State of Nebraska, N. 55° 19', W. 7° 44'*†	30.10	764.5	54	12.2		wnw.			2		0			0	0	sm'h		blue sky.
S. S. Salier, N. 48° 05', W. 24° 50'						e.			1–2		2		sw.	0	0	mod.	var.	clear
S. S. The Queen, N. 40° 33', W. 72° 13'	29.92	760.0	44	6.7		n.			3		8		s	1 h'r	1 h'r			hazy.
S. S. Valencia, N. 38° 04', W. 73° 10' †	29.94	760.5	49	9.4	82	ne.			4		10		ne.	1 h'r	1 h'r	long	ne.	cloudy.
S. S. Weser, Chesapeake Bay	30.02	762.5	50.0	10.0		e.			1–2		0			0	0			clear.
S. S. Westernland, N. 49° 56', W. 5° 13'	29.99	761.7	56	13.3	81	ene.			3		0			0	0	light	nw.	clear.
S. S. Waesland, N. 41° 00', W. 49° 07'	30.21	767.3	57	13.9		e.			5		0			1 h'r	1 h'r	sm'h		clear.
S. S. Lessing, N. 40° 40', W. 54° 14'			61	16.1		ese.			5		2		se.	½ h'r	½ h'r	r'gh	ese.	clear.
Schr Adda Doane, Port Antonio, Jamaica, W.I†	29.97	761.2				s.			2		2		se.	0	0			clear.
S. S. America, N. 48° 05', W. 19° —			57	13.9		ne.			2		2			0	0	sm'h	nw.	clear.
Bg. Belle of the Bay, N. 37° 33', W. 74° 22'						ne.			5		7		ne.	0	0		ne.	fair.
S. S. Celtic, N. 49° 35', W. 24° 11'						var.			1		5		nw.			high	nw.	fair.
S. S. Caracas, La Guayra, Venezuela *†	30.02	762.5	78	25.6	82	calm			0		0			0	0	light	nne.	clear.
S. S. City of Merida, N. 19° 15', W. 95° 25'			77	25		n.			1		2		nw.	0	0	light	se.	smoky.
S. S. Chalmette, N. 37° 43', W. 74° 37'†	30.04	763.0	50	10.0		nne.			4		10		n.	0	0	mod.	ne.	cloudy.
S. S. Elysia, N. 42° 31', W. 43° 03' *	30.12	765.0	55.5	13.1		e			3		3		e.	0	0	sm'h		clear.
S. S. Erin, N. 40° 28' W. 57° 54'			63	17.2		ese.			5		10		ese.	4 h'r	4 h'r	short	ese	raining.
S. S. Foscolia, N. 29° 55', W. 60° 58'†	29.80	756.9	74	23.3		sw.			1		2		wnw.	0	0	slt't	nw.	fine.
S. S. Grecian, N. 46° 37', W. 40° 44'	30.18	766 6	50	10.0	79	n.			3		10		n.	0	0	light	ene.	cloudy.
S. S. Hohenstaufen, N. 38° 12', W. 74° 52'	29.97	761.2	47.5	8.6		s.			4		10		s.	0	0	mod.	s.	cloudy.
Bg. Lillian, Demerara, Brit Guiana †	29.95	760.7				nw.			2		10			5 h'r	5 h'r			raining.
S. S. Muriel, N. 33° 05', W. 70° 20'	29.80	756.9	66	18.9		nw.			3		10			3 h'r	3 h'r	mod.	ne.	cloudy
S. S. Ontario, N. 42° 16', W. 46° 59'	30.17	766.3	59	15.0	100	ene.			2		2		ne.	0	0	sm'h	e.	clear.
S. S. Pennsylvania, Mersey river, Eng			48	8.9	92	e.			2		0			0	0			clear.
Bk. Tros, N. 36° 45', W, 75° 02'			47	8.3		nne.			3		2?		ne.	0	0	large	ne.	cloudy.?
S. S. Werra, N. 43° 56', W. 42° 29'*	30.20	767.1	59	15.0		ese.			4–5					0	0	mod.	ese.	fine.
U. S. S. Alliance, Key West, Fla	29.95	760.7	80	26.7	91	sse.			2		2			0	0	sm'h		fair.
U. S. S. Galena, Fredericksted, Santa Cruz, W. I*...	29.97	761.2	76	24.4	82	ene.			1		2		ene.			sm'h		fair.
U. S. S. Jamestown, St. Kitts, W. I.	30.02	762.5	77	25.0	69	ene.			2		5					sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.93	760.2	71	21.7	62	wnw.			2		8		calm					fair.
U. S. S. Lancaster, Smyrna, Turkey	29.90	759.4	71	21.7	80	nw.			2		2		nw.			sm'h		fair.
U. S. S. New Hampshire, Newport, R. I.			44	6.7	68	ne.			2		10							cloudy.
U. S. S. Ossipee, Norsolk, Va	29.94	760.5	51	10.6	86	calm			0		5		w.					fair.
U. S. S. Pensacola, N. 12° 37', W. 54° 37'†	30.02	762.5	77	25.0	86	nne.			2–3		5		ne.	0	0	long	ne.	fair.
U. S. S. Portsmouth, N. 37° 24', W. 73° 58'			49	9.4	100	nne.			4		10		n.			sm'h		cloudy.
U. S. S. Powhatan, Newport, R. I.	29.90	759.4	44	6.7	100	n.			2		10							overcast.
U. S. S. Quinnebaug, Alexandria, Egypt.	29.95	760.7	68	20.0	74	n.			1		5		nw.			sm'h		fair.
U. S. S. Saratoga, Lisbon, Portugal	29.88	758.9	63	17.2	72	calm			0		8		calm	light	light	sm'h		cloudy.
U. S. S. Swatara, Matanzas, Cuba W. I.	29.96	761.0	77	25.0	86	calm			0		0			0	0	sm'h		clear.
U. S. S. Tennessee, Key West, Fla	29.92	760.0	78	25.6	91	se.			1		2		se.	0	0	sm'h		clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I.	29.94	760.5	74	23.3	90	calm			0		0							clear.
U. S. S. Yantic, Havana, Cuba, W. I.	29.94	760.5	74	23.3	95	ese.			1		2							clear.
U. S. Navy Yard, Portsmouth, N. H*	29.88	758.9	48	8.9	92	ne.	10	4.5			10		ne.	0	0			cloudy.
H. M. S. Alexandra, N. 35° 53', E. 14° 31'			69	20.6	61	nnw.			1									blue sky
H. M. S. Alecto, N. 5° 33, W. 0° 04'	29.80	756.9	84	28.9		sse.			1		7					3	ssw.	d. clouds.
H. M S Inflexible, Corfu, Ionian Islands			65	18.3	94	se.			2		9	sse.				3	sse.	overcast.
H. M. S. Minotaur, Malta, Mediterranean			67	19.4	60	n.			2		1	wsw.						blue sky.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.83	757.6	78.4	25.8	93	ssw.			1		10			3 h'r	3 h'r	4	se.	drizzling.
S. S. British Prince, N. 39° 13', W. 71° 48'			54	12.2	87	s.			2		4		s.	0	0			
S. S. Ohio, (Am.) N. 46° 38', W. 29° 54'			50	10.0	93	ene.			1		1		e.	0	0	mod.	ene.	clear.
S. S. Scandinavian, N 42° 22', W. 67° 54'	29.85	758.2	42	5.6		nne.			3		fg			driz.	driz.	mod.	ene.	foggy.
S. S. Sardinian, N. 55° 14', W. 9° 28'			52	11.1		nw.			1					0	0			clear.
S. S. Athos, N. 14° 03', W. 76° 08'						ene.			2		8		ssw.	0	0	sm'h		cloudy.
S. S. Dorian, N. 42° 36', W. 63° 35'	29.90	759.4	49	9.4		e.			2		10			0	0	slt't	e.	foggy.
S. S. California, N. 42° 41', W. 52° 50'						se.			2		3		se.	0	0	mod.	ene.	foggy.
S. S. St. Laurent, N. 41° 43', W. 60° 10'	29.87	758.7				se.			4		10		se.	4 h'r	4 h'r	r'gh	se.	covered.
S. S. Westphalia, N. 40° 20', W. 66° 40'	29.80	756.9	60	15.6		n.			2		10		ssw.	0	0		n.	foggy.
S. S. Hammonia, N. 49° 21', W. 5° 48'	29.90	759.4	48	8.9		e.			4		2			0	0	sm'h		clear.
S. S. Venetian, N. 42° 20', W. 66° 44'*	29.80	756.9	40.2	4.6		ne.			5		10			4 h'r	4 h'r	1	se.	foggy.
S. S. Sirius, N. 42° 06', W. 9° 28'	29.86	758.4				n.			2		1		n.	0	0	sm'h		clear.
S. S. Peniers, N. 38° 56', W. 13° 23'	29.83	757.7	54.4	12.4	78	ese.			4	ck	10 ks					3	nne.	drizzling.
S. S. Archimede, (It.) Messina, Sicily			74	23.3		nw.			3		3		nw.	0	0			clear
S. S. Gottardo, N. 35° 10', W. 34° 18'			62	16.7		n.			5		5		n.	0	0		n.	
S. S. Strassburg, N. 34° 19', W. 16° 55'	29.72	754.9		72		sse.			2		9		sse.	3 h'r	3 h'r	3	ssw.	cloudy.
S. S. City of Augusta, N. 38° 09', W. 74° 50'						ne.			4		10		ne.	0	0			cloudy.
S. S. Rhyniand, N. 46 01', W. 31° 10' *†	30.12	765.0	52	11.1	86	nne.			2		8		n.	2 h'r	2 h'r	mod.	nne.	cloudy.
S. S. Pennland, Antwerp, Belgium*†	29.88	758.9	48	8.9	85	ene.			3		6		ene.	0	0			fair.
S. S. Amsterdam, N. 41° 52', W. 45° 58'			56.5	13.6	79	ne.			1		3		ne.	0	0	light	ne.	fair.
S S W. A. Scholten, N. 48° 30', W. 19° 40'	30.06	763.5	52.9	11.6	65	ne.			2		6		ne.	0	0	3	ne.	fair.
S. S. Baltic, St. George's channel *†	29.98	761.5				e.			3		8		e.	0	0	mod.	e.	cloudy
S. S. Britannic, N. 40° 30', W. 67° 38'			40	4.4		wnw.			4		8		se.	0	0	mod.	e.	d. clouds.
S. S. Salerno, N. 41° 05', W. 49° 30'†	30.24	768.1	60	15.6		e.			3		3		e.	0	0	sm'h	e.	hazy.
Bg. Alcira, Maracaybo, Venezuela			80	26.7		ese.			1		8		se.	0	0			cloudy.
S. S. Antonio Lopez, N. 36° 39', W. 14° 12'	29.76	755.9	60.5	15.8	94	s.			3		10			10 h'r	10 h'r	mod.	s.	squally.
Schr. Arthur Burton, Manabo, Porto Rico, W. I†	29.92	760.0				calm			0		2		ene.	0	0	chop	se.	fine.
Schr Annie R. Lewis, Porto Plata, San Domingo, W.I†	29.96	761.0	78	25.6		se.			2		0			0	0			clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the last 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
										Upper.	Lower.	Upper.	Lower.					
	Inch.	Mil.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mil.			
District No 1—*North Atlantic.*—Continued.																		
Schr. Anna A. Holton, N. 23° 18′, W. 82° 05′	.....	.....	82	27.8	.....	s.	.....	.....	3	.....	2	.....	s.	0	0	sm'h	se.	clear.
Bk. Aureola, N. 0° 30′, W. 26° 30′†	29.91	759.7	87	30.6	72	calm	.....	.....	0	.....	8	.....	.....	5 h'r	5 h'r	mod.	s.	showery.
Bgt. Achsah, N 38° 10′. W. 65° 13′ †	29.75	755.6	65	18.3	.....	ene.	.....	.....	5	.....	8	.....	ne.	0	0	mod.	ne.	fair.
Bk. Adelaide, N. 27° 20′, W. 68° 45′	.....	.....	75	23.9	.....	se.	.....	.....	2	.....	2	.....	se.	0	0	sm'h	n.	clear.
Schr. Abbie H. Gheen, Wilmington, Del	.....	.....	58	14.4	.....	se	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana *†	29.94	760.5	78	25.6	.....	calm	.....	.....	0	.....	10	.....	n.	6 h'r	6 h'r	.....	.....	cloudy.
S. Cornelius, N. 19° 28′ W 37° 00′ *†	30.05	763.3	74.8	23.8	.....	ne.	.....	.....	1	.....	5	.....	.....	1 h'r	1 h'r	sm'h	.....	fair.
Bk. Diamant, N. 45° 14′, W. 21° 24′	29.87	758.7	55.8	13.2	62	ene.	.....	.....	3	.....	6	.....	ne.	0	0	4	ne.	cloudy.
S. E. J. Spicer. N. 43° 07′, W. 26° 30′	29.92	760.0	55	12.8	93	ene.	.....	.....	5	.....	5	.....	ene.	.....	.....	mod.	ene.	fair.
Bk. Fred. W. Carlon, N. 34° 10′, W. 73° 12′†	29.89	759.2	66	18.9	.....	ene.	.....	.....	4	.....	4	.....	s.	0	0	long	ene.	fair.
S. Ismir, N. 23° 51′, W. 66° 42′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	3	.....	calm	0	0	sm'h	.....	fine.
Bk. Gloire, N. 43° 10′, W. 39° 30′	30.16	766.1	54	12.2	80	ne.	.....	.....	3	.....	.....	.....	ne.	0	0	short	ese.	fair.
S. Grecian, N 49° —′, W. 8° —′†	29.93	760.2	49	9.4	64	ene.	.....	.....	4	.....	4	.....	e.	0	0	sm'h	.....	fair.
Bk. Galeon, Barbadoes, W. I†	29.95	760.7	79	26.1	.....	s.	.....	.....	0-5	.....	0	.....	.....	light	light	.....	.....	blue sky.
S. Hedwig, N 38° 05′ E. 9° 00′	29.91	759.6	60.4	15.8	95	wsw.	.....	.....	5	.....	4	.....	wsw.	2 h'r	2 h'r	3	wsw.	hazy.
Bk. Hattie G. McFarland, Pascagoula, Miss	.....	.....	75	23.9	.....	se.	.....	.....	4	.....	10	.....	se.	2 h'r	2 h'r	.....	.....	stormy.
S. Henry, N. 38° 04′, E. 8° 50 *	29.88	758.9	61.7	16.5	.....	w.	.....	.....	4-5	.....	5 ks	.....	.....	.....	.....	4	w.	fair.
Bk. Horace Scudder, Gaboon river, Guinea	.....	.....	82	27.8	.....	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	.....	overcast.
Bk. Ibis, N. 33° 38′, W. 71° 00′	.....	.....	69	20.6	.....	ssw.	.....	.....	6	.....	10	.....	sw.	0	0	mod.	ssw.	cloudy.
Schr. Jennie N. Huddell, off Rappahannockriver, Va†	30.01	762.2	58	14.4	.....	ene.	.....	.....	1	.....	2	.....	.....	0	0	.....	.....	clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	29.96	761.0	.....	.....	.....	sse.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....	clear.
Schr. John Bird, N. 31° 39′ W. 78° 08′ *†	29.99	761.7	.....	.....	.....	n.	.....	.....	1	.....	10	.....	n.	0	0	short	se.	fine.
Schr. Jenny Greenbank, Baracoa, Cuba, W.I*	30.00	762.0	74.0	23.3	.....	calm	.....	.....	0	.....	1	.....	.....	0	0	sm'h	.....	clear.
Schr. Jonny R. Morse, Darien, Ga †	29.93	760.2	.....	.....	.....	sw.	.....	.....	2	.....	10	.....	w.	0	0	.....	.....	
Light-house tender Laurel, Key West, Florida†	29.94	760.5	79	26.1	.....	se.	.....	.....	1	.....	6	.....	se.	0	0	.....	.....	fair.
Bg. L. F. Munson, N. 34° 00′, W. 72° 50′ *†	29.88	758.9	62	16.7	.....	ne.	.....	.....	3	.....	4†	.....	w.	0	0	sm'h	.....	overcast.†
Bkt. Levanter, N. 11° 48′, W. 55° 00′	29.96	761.0	82	27.8	.....	ne.	.....	.....	2	.....	5	.....	ene.	0	0	light	ne.	clear
S. S. Mendoza, N. 40° 29′, W. 09° 52′ †	29.90	759.4	.....	.....	.....	nnw.	.....	.....	1	.....	fg.	.....	.....	0	0	mod.	ne.	foggy.
Schr. Martinique, N. 13° 49′, W. 57° 34′	.....	.....	.....	.....	.....	ne.	.....	.....	2	.....	.....	.....	.....	0	0	sm'h	.....	fine.
Schr. Norena, Ponce, Porto Rico, W. I†	29.96	761.0	.....	.....	.....	nne.	.....	.....	1	.....	3	.....	ene.	2 h'r	2 h'r	sm'h	.....	
Bk. Rosalie, N. 19° 12′, W. 51° 24′ *†	29.96	761.0	.....	.....	.....	ene	.....	.....	2	.....	0	.....	.....	0	0	long	nnw.	clear.
Bk. Rosina, N. 36° 03′, W. 13° 28′	29.76	755.9	62	16.7	.....	s.	.....	.....	7	.....	10	.....	.....	2 h'r	2 h'r	mod.	nw.	
Bkt. Rosebud, N. 4° 15′, W. 26° 05′ *	29.91	759.7	80	26.7	.....	ne.	.....	.....	3	.....	5	.....	se.	1 h'r	1 h'r	sm'h	.....	fine.
S. Salisbury, N. 37° 09′, E. 7° 09′	29.87	758.7	63.9	17.7	85	w.	.....	.....	3	3 c	.....	w.	.....	0	0	mod.	n.	clear.
Bk. Saga, N. 47° 35′, W. 23° 15′	.....	.....	56	13.3	.....	.....	.....	.....	1-3	.....	4	.....	.....	0	0	5	.....	fair.
Bk. Sunbeam, N. 29° 17′, W. 22° 16′ †	29.78	758.4	66	18.9	88	wsw.	.....	.....	6	.....	5	.....	w.	2 h'r	2 h'r	r'gh	sw.	fair.
Bgt. Sunlight, N. 37° 47′, W. 70° 24′†	29.78	758.4	.....	.....	.....	nne.	.....	.....	4	.....	0	.....	n.	0	0	sm'h	.....	fair.
Bk. Silica, N. 61° 09′, W. 48° 28′ *	29.95	760.7	.....	.....	.....	calm	.....	.....	0	.....	.....	.....	.....	0	0	.....	.....	fine.
Bg. Teneriffe, N. 26° 35′, W. 76° 30′	29.95	760 7	.....	.....	.....	wsw.	.....	.....	4	.....	1	.....	w.	0	0	.....	ne.	
Schr. Viola Reppard, Sagua la Grande, Cuba, W. I†	30.05	763.3	77	25.0	.....	se.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Winifred, N. 34° 55′, W. 64° 00′ *†	29.80	759.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	sw.	
Schr. John Bracewell, Dover, N. H. †	29.94	760.5	48	8.9	.....	ne.	.....	.....	1	.....	10	.....	.....	2 h'r	2 h'r	.....	.....	cloudy.
District No. 2—*South Atlantic.*																		
U. S. S. Brooklyn, S. 20° 42′, E. 0° 19′	29.86	758 4	74	23.3	76	ese.	11	4.9	.....	.....	8	.....	ese.	0.05	1.3	loug	s	fair.
H. M. S. Amethyst, S. 35° 02′, W. 57° 13′	29.68	753.9	58	14.4	91	sw.	.....	.....	6	.....	10	.....	.....	.....	.....	2	sw.	squally.
H. M. S. Bondicea, Simons Bay, Cape Colony	30.25	768.3	65	18.3	.....	se.	.....	.....	4	.....	2	ese.	.....	.....	.....	.....	.....	blue sky.
Bk. Achille F., S. 34° 15′, W. 51° —′*†	29.67	753.0	63.5	17.5	86	wnw	.....	.....	7	.....	8	.....	nw.	4 h'r	4 h'r	h'vy	nw.	
Bk. Bore, Rio de Janeiro, Brazil *†	30.05	763.3	80	26.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
S. Frank N. Thayer, S. 41° 01′, E. 6° 37′ *	30.30	769 6	63	17.2	72	nnw.	.....	.....	3	1 ck	.....	.....	.....	0	0	light	var.	blue sky.
S. Gatherer, S. 46° 05′, W. 55° 45′†	29.92	760.0	46	7.8	86	calm	.....	.....	0	.....	5	.....	calm	0	0	sm'h	s.	fair.
S. Ringleader, S. 25° 55′, W. 34° 30′ †	30.00	762.0	84	28.9	60	e.	.....	.....	2	.....	3	.....	e.	0	0	long	s.	fine.
S. S. Archimedes, (Br) S. 12° 58′, W. 35° 54′	29.95	760.7	.....	.....	.....	ese.	.....	.....	3-4	.....	8	sw.	ene.	5 mi	nutes	light	e.	cloudy
Bk. Xenia, S 40° 25′, W. 3° 13′ *†	30.14	765.5	58	14.4	.....	nnw.	.....	.....	6	.....	10	.....	wnw.	0	0	r'gh	nnw.	cloudy.
H. P. M. S Rainha de Portugal, Mossamedes, Benguela..	29.84	758.0	76.6	24.8	67	nw.	.....	.....	3	.....	1	.....	.....	0	0	1	.....	blue sky.
District No. 3—*North Pacific.*																		
U. S. S. Adams, Sitka, Alaska †	30.14	765.5	42	5.6	82	calm	.....	.....	0	.....	5	.....	.....	.....	.....	.....	.....	fair.
U. S. Naval Hospital, Yokohama, Japan	.....	.....	58	14.4	70	sw.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Alert, Shanghai, China	29.83	757.7	62	16.7	83	s.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	overcast.
U. S. S. Enterprise, Hong Kong, China	29.82	757.4	69	20 0	95	ene.	.....	.....	4	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 7° 34′, E. 106° 50′	29.97	761.2	81	27.2	83	ene.	.....	.....	3	.....	5	.....	.....	.....	.....	sm'h	ne.	fair.
U. S. S. Juniata, Fernande Island, Corea	29.92	760.0	48	8.9	78	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	hazy.
U. S. S. Monocacy, Canton, China	29.81	757.2	72	22.2	90	se.	.....	.....	3	.....	10	.....	ese.	light	light	.....	.....	cloudy.
U. S. S. Ranger. Fonseca Bay, C. A	29.94	760.5	80	26.7	82	e.	.....	.....	1	.....	8	.....	.....	0.05	1.3	sm'h	.....	cloudy.
U. S. S. Richmond, Singapore, Malay Peninsula	29.85	758.2	84	28.9	87	sse.	.....	.....	2	.....	2	.....	se.	0	0	.....	.....	clear.
U. S. S. Trenton, Singapore, Malay Peninsula	29.84	757.9	84	28.9	87	ese.	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	clear.
H.M.S. Audacious, Hong Kong, China	29.88	758.9	71	21.7	100	ene.	.....	.....	2	.....	10	ene.	.....	.....	.....	.....	.....	drizzling.
H. M. S. Cleopatra, N. 31° 23′, E. 121° 29′	29.77	756.1	66	18.9	79	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	1	.....	overcast.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	29.87	758.7	01.8	16.6	86	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. P. M S. Tamega, Macao, China	29.88	758.9	71.6	22.0	87	calm	.....	.....	0	.....	10	.....	.....	4 h'r	4 h'r	.....	.....	overcast.
U. S. S. Palos, Shanghai, China	29.80	756.9	60	15.6	93	sse.	.....	.....	3	.....	10	.....	calm	.....	.....	.....	.....	cloudy
S. S. Newbern, N. 24° 00′, W 108° 54′*†	29.93	760.2	70	21.1	85	nnw.	.....	.....	3	.....	3	.....	nw.	0	0	small	nnw.	clear.
S. S. City of Chester, near Pt. Arena, Cal†	30.10	764.5	52	11.1	93	nw.	.....	.....	4	.....	0	.....	.....	0	0	sm'h	.....	
S. S. Oregon, N. 38° 24′, W. 123° 24′†	30.15	765.8	52	11.1	86	nw.	.....	.....	2	.....	5	.....	nnw.	.....	.....	sm'h	.....	hazy.
S. S. Oceanic, N. 26° 36′, E. 124° 00′	29.93	760.2	71	21.7	100	ese.	.....	.....	5	.....	9	.....	.....	8 h'r	8 h'r	3	se	cloudy.
S. S. Alameda, N. 26° 38′, W. 147° 20′†	30.15	765.8	63	17.2	.....	var.	.....	.....	1	.....	2	.....	wsw.	0	0	light	nw.	fine.
S. S. Orizaba, N. 34° 44′, W. 120° 44′†	30.04	763.0	56	13.3	87	nnw.	.....	.....	3	.....	10	.....	.....	0	0	light	w.	foggy.
S. S. City of Pekin, N. 46° 57′ W. 159° 05′†	29.66	753.4	45	7.2	61	w.	.....	.....	3	.....	10	.....	w.	0	0	sm'h	.....	cloudy.
S. S. City of Rio de Janeiro, N. 33° 41′, E. 142° 50′ †	30.11	764.8	62	16.7	.....	ssw.	.....	.....	3	.....	5	.....	w.	.....	.....	small	nw.	
S. S. City of Sydney, N. 35° 55′, W. 128° 39′*†	30.04	763.0	59	15.0	88	se.	.....	.....	3	.....	8	.....	se.	.....	.....	light	wnw.	cloudy.
S. S. City of Tokio, N. 37° 32′, W. 163° 38′†	29.81	757.2	54	12.2	87	wsw.	.....	.....	7	.....	10	.....	w.	4 h'r	4 h'r	h'vy	w.	
S. S. Colima, Punta Arenas, Costa Rica†	29.92	760.0	78	25.6	73	e.	.....	.....	2	.....	7	.....	se.	c	o	mod	se.	cloudy.
S. S. San Blas, Acajutla, San Salvador	.....	.....	76	24.4	95	n.	.....	.....	3	.....	7	.....	ne.	0	0	.....	sse.	cloudy.
S. S. San José, N. 22° 54′, W. 109° 03′†	29.91	759.7	61	16.1	77	ene.	.....	.....	2	.....	0	.....	.....	0	0	small	wsw.	clear.
S. S. Zealandia, N. 24° 00′, W. 153° 29′	30.19	766.8	69	20.6	84	nne.	.....	.....	2	.....	2	.....	.....	.....	.....	hv'y	wnw	fine.
District No. 4—*South Pacific.*																		
U. S. S. Iroquois, Callao Peru	29.91	759.7	70	21.1	90	se.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	70	21.1	90	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao, Peru*†	30.03	762.7	70	21.1	100	se.	.....	.....	2	.....	10	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	30.00	762.0	60	15.6	94	calm	.....	.....	0	.....	5	.....	calm	.....	.....	.....	.....	fair.
U. S. S. Shenandoah, S. 53° 50′, W. 71° 40′ *	29.79	756 7	45	7.2	92	nne.	.....	.....	1	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	30.00	762.0	60	15.6	94	calm	.....	.....	0	.....	5	.....	calm	.....	.....	sm'h	.....	fair.
H. M. S. Nelson, Sydney, N. S. W.	29.99	761.7	63	17.2	94	calm	.....	.....	0	.....	8	.....	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, Valparaiso, Chili	29.92	760 0	59	15.0	94	calm	.....	.....	0	.....	6	w.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.95	760.7	56	14.4	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	foggy.
S. S. Australia, Sydney, N. S. W*	29.89	759.2	64	17.8	100	sw.	.....	.....	4	.....	4	.....	s.	0	0	.....	.....	
District No. 5—*Indian Ocean.*																		
H. M. S. Euryalus, Massuah, Abyssinia	29.76	755.9	86.5	•30.3	90	ne.	.....	.....	2	.....	8	calm	.....	.....	.....	.....	.....	misty.
H. M. S. Magpie, S 6° 47′, E. 65° 22′	29.86	758.4	84.3	29.1	76	se.	.....	.....	2	.....	2	.....	.....	.....	.....	3	var.	blue sky.
S. S. Bracadale, N. 8° 20′, E. 09° 08′	.....	.....	88	31.1	.....	ene.	.....	.....	1	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bk. Childwall, off Kingston, N. S. W*	29.04	752.8	62	16.7	88	w.	.....	.....	4	.....	5	.....	nw.	0	c	.....	.....	fine.
S. J. W. Gildemeister, S. 23° 40′, E. 62° 10′	30.02	762.5	80.6	27	73	ese.	.....	.....	3	.....	4 k	.....	.....	0	0	4	var.	d. clouds.
Bk. Nouva Margherita, S. 20° 08′, E. 83° 06′*†	29.92	760.0	.....	.....	.....	e.	.....	.....	4	.....	.....	.....	e.	light	light	.....	s.	fair.
S. S. Lepanto, Bombay, India	29.79	756.7	83	28.3	.....	nne.	.....	.....	4	.....	4	.....	ne.	0	0	.....	.....	clear.

International Chart I. April 20, 1884. Isobars and Isotherms.

UNITED STATES OF AMERICA.

By Order of the Secretary of War:
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 21, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Remours	.....	.....	29.83	757.6	67.6	19.8	70	w.	.....	.....	1	.....	3	.....	.....	0	0	prettyfair..	Kozlero.
Algiers	.....	.....	29.85	758.2	64.8	18.2	69	wnw.	.....	.....	2	.....	0	.....	.....	inap.	inap.	clear.....	Thève.
La Calle	.....	.....	29.84	758.0	62.2	16.8	90	ssw.	.....	.....	4	.....	4	.....	.....	0	0	cloudy.....	Fontrède.
Tunis	.....	.....	29.88	759.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.98	761.4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.91	759.7	81.3	27.4	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	Abraham.
Biskra	.....	.....	29.91	759.8	85.3	29.6	26	e	.....	.....	2	.....	4	.....	.....	0	0	cloudy.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.02	762.5	57.0	13.9	81	calm	0	0	.....	.....	0	.....	.....	0	0	clear.....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.78	756.4	29.97	761.2	58	14.4	89	calm	0	0	.....	.....	10	.....	w.	0.12	3.0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	29.81	757.2	29.90	759.4	59.4	15.2	74	ene.	5	2.2	.....	.....	4	.....	.....	0	0	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.16	740.6	29.71	754.6	51.4	10.8	68	e.	.....	.....	3	.....	10	.....	.....	0.520	13.2	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.91	734.3	29.69	754.1	41.5	5.3	65	w.	10.5	4.7	.....	.....	9	.....	.....	0.004	0.1	.....	Dr. Wierzbiski
Eperies	28.79	731.3	29.67	753.6	47.8	8.8	68	calm	.....	.....	0	.....	10 s	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28.52	724.5	29.79	756.7	44.8	7.1	71	e.	.....	.....	2	.....	10	.....	.....	0.209	5.3	.....	Andreas Rospini.
Hermannstadt	28.28	718.3	29.69	754.0	57.6	14.2	41	n.	.....	.....	3	.....	5	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.36	720.3	29.71	754.6	45.3	7.4	59	nw.	.....	.....	1	.....	10	.....	.....	0.028	0.7	.....	The Staff.
Lemberg	28.74	730.0	29.74	755.4	42.1	5.6	65	n.	.....	.....	3	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.56	750.9	29.67	753.7	59.7	15.4	71	sw.	.....	.....	2	.....	4	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.23	742.4	29.69	754.1	52.5	11.4	66	w.	.....	.....	6	.....	5	.....	.....	0.024	0.6	.....	Joseph Midlinszky, S. J
Szegedin	29.43	747.4	29.71	754.5	54.3	12.4	57	sw.	.....	.....	2	.....	5	.....	.....	0.094	2.4	.....	Karl Stancel.
Trieste	29.61	752.1	29.71	754.6	58.3	14.6	57	calm	.....	.....	0	.....	2	.....	.....	0.110	2.8	.....	Royal Academy.
Vienna	29.04	737.7	29.76	756.0	46.0	7.8	55	nnw.	.....	.....	3	.....	4	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	40.1	4.5	82	e.	.....	.....	1	.....	3	.....	.....	0.157	4.0	snowing.....	
Brussels	29.67	753.5	29.87	758.7	44.8	7.1	52	nne.	.....	.....	4	.....	10	.....	ne.	0.008	0.2	.....	
Furnes	29.87	758.8	29.89	759.3	.....	.....	.....	ne.	.....	.....	2	.....	8	.....	.....	0	0	.....	
Maeseyck	29.76	755.9	29.89	759.1	44.4	6.9	59	e.	.....	.....	2	.....	10	.....	.....	0.114	2.9	.....	
BRITISH.																			
Aberdeen	30.01	762.2	30.11	764.8	43.6	6.4	88	ese.	15	6.7	.....	.....	5	.....	.....	0.030	0.8	blue sky.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.01	762.2	46.0	7.8	42	ne.	10	4.5	.....	.....	8	.....	.....	.....	.....	d. clouds....	John Hartnup.
Bolton, Sharples	29.46	748.3	30.00	762.0	45.2	7.3	51	ese.	6	2.7	.....	.....	8	.....	.....	.....	.....	d. clouds....	Thomas Mackereth.
Bradford, Yorkshire	29.61	752.1	30.01	762.2	44.9	7.2	72	ne.	.....	.....	2	.....	8	.....	.....	0	0	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.91?	759.7?	29.94?	760.5?	81.0	27.2	70	e.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	45.5	7.5	69	e.	.....	.....	1.0	.....	8	.....	.....	.....	.....	overcast.....	John McLaren.
Chatham, School M. E	29.79	756.7	29.97	761.2	41.7	5.4	85	n.	.....	.....	1	.....	7	.....	.....	.....	.....	gloomy.....	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.75	755.6	29.98	761.5	50.0	10.0	43	se.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky.....	The Staff.
Fort Napier, Natal	27.39	695.7	29.70	754.4	58.0	14.4	96	s.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.94	760.5	29.98	761.5	52	11.1	66	ne.	.....	.....	1	.....	2	.....	.....	0	0	blue sky.....	Wm. Ryan.
Gibraltar, Mediterranean	29.48?	748.8?	29.58?	751.3?	63.4	17.4	94	sw.	.....	.....	3	.....	10	.....	.....	.....	.....	raining	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.79	756.7	29.97	761.2	40.1	4.5	88	e.	.....	.....	1	.....	10	.....	.....	.....	.....	snowing.....	The Staff.
Guernsey	29.65	753.1	29.95	760.7	50.5	10.3	61	ene.	.....	.....	2	.....	8	.....	.....	0.01	0.3	d. clouds....	A. Collenette, F.R.M.S.
Kew, Observatory	29.91	759.7	29.95	760.7	47.9	8.8	49	ne.	11	4.9	.....	.....	7	.....	.....	.....	.....	drizzling.....	The Staff.
Leicester, Museum	29.72	754.9	29.98	761.5	45.3	7.4	61	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	J. C. Smith.
Malta, Mediterranean	29.78	756.4	29.86	758.4	70.0	21.1	91	s.	.....	.....	2	.....	4	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.95	760.7	30.00	762.0	81.0	27.2	65	se.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.74	755.4	29.97	761.2	44.3	6.8	66	ne.	.....	.....	3	.....	9	.....	.....	.....	.....	showery.....	The Staff.
Plymouth	29.93	760.2	30.01	762.2	48.2	9.0	60	calm	.....	.....	0	.....	10	.....	.....	.....	.....	overcast.....	John Merrifield.
Sandwick Manse, Orkneys	29.99	761.7	30.09	764.3	45.8	7.7	65	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	blue sky.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.67	753.6	29.74	755.4	66.8	19.3	53	sw.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds....	W. H. Lyne.
Sheffield	29.73	755.1	30.01	762.2	48.9	9.4	60	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds....	W. F. Cooper.
Silloth Rectory	30.01	762.2	30.04	763.0	48.9	9.4	79	e.	.....	.....	2	.....	8	.....	.....	0.040	1.0	d. clouds....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.02	762.5	46.1	7.8	52	ene.	6	2.7	.....	.....	9	.....	.....	0	0	d. clouds....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	47.2	8.4	59	ne.	.....	.....	1.0	.....	7	.....	.....	.....	.....	d clouds	Rev. O. H. Griffiths, F.M.S.
Valencia, Observatory	30.00	762.0	30.03	762.7	54.3	12.4	46	ene.	5	2.2	.....	.....	3	.....	.....	.....	.....	misty.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.55	750.6	29.93	760.2	66.6	19.2	58	sw.	6.8	3.0	.....	8 c	0	w.	.....	0	0	hazy.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.69	754.1	29.80	756.9	72.0	22.2	93	nnw.	7	3.1	.....	.....	4 k	.....	wsw.	0.730	18.5	threatening.	The Staff.
CANADIAN.																			
Bathurst, N. B	30.03	762.7	30.07	763.8	38.0	3.3	.....	calm	0	0	.....	.....	10 n	.....	.....	0.07	1.8	foggy.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.97	761.2	30.02	762.5	43	6.1	98	e.	4	1.8	.....	.....	10 n	.....	.....	0	0	foggy.....	H. J. Cundall, C. E.
Chatham, N. B*	29.99	761.7	30.05	763.3	38	3.3	100	e.	1	0.4	.....	.....	fg.	.....	.....	0.03	0.8	dense fog....	G. A. Blair.
Cornwall, Ontario	30.08	764.0	30.28	769.1	32.0	0.0	77	nw.	.....	.....	1	.....	10 s	.....	.....	0.065	1.6	d. clouds....	Jas. Smith, M. A.
Dalhousie, N. B	30.03	762.7	30.08	764.0	36.5	2.5	.....	calm	.....	.....	0	.....	10 n	.....	.....	0.38	9.7	overcast.....	H. A. Johnson.
Father Point, Quebec*	30.09	764.3	30.11	764.8	34	1.1	82	nw.	16	7.2	.....	.....	fg.	.....	.....	0.45	11.4	light rain....	J. McWilliams.
Fort Garry, Manitoba*	29.67	753.6	30.55	776.0	28	— 2.2	88	s.	8	3.6	.....	hz	hz.	.....	.....	0	0	hazy	James Stewart.
Fredericton, N. B	29.95	760.7	30.02	762.5	43.1	6.2	92	w.	1	0.4	.....	.....	fg	.....	.....	0.050	1.3	dense fog....	Dr. Thos. Harrison.
Grand Manan, N. B	29.89	759.2	29.95	760.7	41	5.0	96	ne.	8	3.0	.....	.....	fg	.....	.....	0.02	0.5	dense fog....	J. Chipman Seeley
Granton, Ontario	29.26	743.2	30.42	772.7	30.0	— 1.1	78	ne.	9	4.0	.....	0	0	.....	.....	0	0	blue sky.....	Jas. Grant.
Halifax, N. S*	29.85	758.2	29.98	761.5	43	6.1	96	e.	4	1.8	.....	.....	fg.	.....	.....	0.170	4.3	dense fog....	A. Allison.
Hamilton, Ontario	29.95	760.7	30.37	771.4	40.0	4.4	81	ne.	.....	.....	3	3 ck	0	ne.	.....	0	0	d. clouds....	Geo. Dickson, B. A.
Kingston, Ontario*	29.99	761.7	30.34	770.6	33	0.6	68	n.	20	8.9	.....	.....	10 ks	.....	.....	0	0	cloudy.....	A. P. Knight, M. A
Little Glace Bay, N. S	29.96	761.0	30.00	762.0	35.8	2.1	100	e.	.....	.....	1	.....	10 n	.....	.....	0	0	foggy.....	C. H. Rigby.
London, Ontario	29.46	748.3	30.41	772.4	32.8	0.4	54	e.	.....	.....	2	0	0	.....	.....	0	0	blue sky.....	E. B. Reed.
Medicine Hat, N. W. T	27.74	704.6	30.05	763.3	40	4.4	92	s.	1	0.4	.....	0	0	.....	.....	0	c	clear.....	John Ewart.
Minnedosa, N. W. T	28.47	723.1	30.50	774.7	28	— 2.2	77	sw.	10	4.5	.....	hz.	0	.....	.....	0	0	clear.....	Rev. J. M. Wellwood
Montreal, Quebec*	30.07	763.8	30.29	769.4	32	0.0	74	n.	12	5.4	.....	.....	10 s	.....	sw.	0.22	5.6	cloudy.....	C. H. McLeod, C. E.
Ottawa, Ontario	30.12	765.0	30.35	770.9	31.1	— 0.5	65	n.	.....	.....	.....	.....	10 ks	.....	.....	0	0	overcast.....	A. McGill, M. A.
Parry Sound, Ontario*	29.76	755.9	30.51	774.9	26	— 3.3	76	n.	18	8.0	.....	0	0	.....	.....	inap.	inap.	clear.....	Rev. R. Mosley.
Peterboro, Ontario	.....	.....	.....	.....	31.7	— 0.2	87	ne.	.....	.....	5	0	0	.....	.....	0	0	blue sky.....	Wm. O'Connor, M.A.
Port Arthur	29.91?	759.7?	30.64?	778.2?	42?	5.6?	57	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.64	752.8	30.36	771.1	33	0.6	80	ne.	16	7.2	.....	7 k	0	ne.	.....	0	0	fair	R. Morgan.
Port Stanley, Ontario	29.69	754.1	30.36	771.1	35	1.7	69	e.	6	2.7	.....	.....	10 n	.....	ne.	inap.	inap.	cloudy.....	M. Payne.
Qu Appelle, N. W. T	27.98	710.7	30.30	769.6	36	2.2	.....	s.	18	8.0	.....	0	0	.....	.....	0	0	clear.....	Leslie Gordon.
Quebec, Quebec*	29.77	756.1	30.14	765.5	32	0.0	100	w.	12	5.4	.....	.....	10 n	.....	nw.	0.30	7.6	light snow...	Capt. A. he, R. N.
Rockliffe, Ontario*	30.01	762.2	30.50	774.7	26	— 3.3	84	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	W. H. McIntyre.
St. Andrews, N. B	29.88	758.9	29.93	760.2	46	7.8	98	ne.	1	0.4	.....	.....	fg.	.....	.....	0.20	5.1	dense fog...	
St. John, N. B	29.81	757.2	29.95	760.7	50.0	10.0	93	calm	0	0	.....	.....	10 n	.....	.....	0.126	3.2	rain & fog...	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.10	766.0	41.0	5.0	.....	ne.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Toronto, Ontario*	29.73	755.1	30.49	774.4	30	— 1.1	80	n.	30	13.4	.....	0	0	.....	.....	0	0	clear.....	
Stratford, Ontario	29.09	738.9	30.44	773.2	32.6	0.3	78	e.	22.5	10.1	.....	0	0	.....	.....	0	0	blue sky.....	W. McBride, A.M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected … Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall … Mill.	WEATHER.	OBSERVERS.
CANADIAN.—Continued.																			
Sydney, C. B*	30.06	763.5	30.12	765.0	36	2.2	100	ne.	4	1.8			10 n			0	0	foggy	**T.O.Hill, C.E.**
Toronto, Ontario*	30.03	762.7	30.44	773.2	34	1.1	75	n.	16	7.2		0	0			0	0	clear	**Magnetic Observatory.**
Woodstock, Ontario	29.21	741.9	30.33	770.4	32.7	0.4	57	n.	20.5	9.2		0	0			0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S.*	29.84	757.9	29.91	759.7	45.	7.2	96	e.	7	3.1			10 k		e.	0	0	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.29	769.4	30.32	770.1	59.5	15.3	91	ne.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.92	760.0			78.5	25.8	29	calm				0	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.88	708.1			77	25.0	46									0	0		J. F. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					58.3	14.6	86	w.			2		10 n		w.	0.102	2.6	cloudy	**Leon Herrera.**
Valparaiso	29.84	757.8	29.98	761.4	58.1	14.5	94	s.			1	0?	0?			0	0	cloudy?	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.70	754.3	29.72	754.9	59.4	15.2	97	ese.	7.2	3.2			4			0.087	2.2	cloudy	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.94	760.4	29.98	761.6	43.2	6.2	46	n.	11	5			7						Oversergent Fischer.
Fanöe	30.01	762.3	30.03	762.8	41.9	5.5	53	ene.			4		5						Overloerer Lauridsen.
Godthaab, Greenland	29.95	760.6	29.99	761.7	34.5	1.4	80	calm			0		3						S. Kleinschmidt.
Ivigtut, Greenland	29.95	760.7	29.97	761.2	32.7	0.4		calm			0		10					foggy	
Stykkisholm, Iceland	29.65	753.2	29.70	751.3	42.8	6.0	76	se.			4		8						A. O. Thorlacius.
Thorshavn	29.99	761.8	30.02	762.4	44.4	6.9	77	se.	13	6			10						Overloerer Bergh.
Upernavik, Greenland	29.92	759.9	29.97	761.1	16.3	−8.7		calm			0		3						
Vestervig	29.98	761.4	30.07	763.7	39.6	4.2	65	ene.			6		5						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.69	754.1			98.6	37.		n.	6.0	2.7		2 ck	0			0	0		**Albert Ismalun, Dir.**
FRENCH.																			
Agen, Normal School																			M. Labroue, Director.
Alençon, Normal School	29.36	745.8	29.52	749.8	45.0	7.2	85	ne.			6		8 kn		sw.	0	0	very cloudy	M. Nicot, Directer.
Arras, Normal School	29.65	753.1	29.90	759.4	49.8	9.9	45	ne.			1		0			0	0	clear	**M. Ungerer, Director.**
Avignon, Normal School	29.68	753.8	29.76	755.8	59.7	15.4	41	nnw.			2				nw.	0	0		M. Giraud, Director.
Bar-sur-Seine	29.25	743.0	29.82	757.4	41.5	5.3	84	wnw.			1		8		ne.	0.094	2.4	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.61	752.1	29.88	758.9	46.0	7.8	46	ene.			2		8		nne.	0	0	very cloudy	M. Frère Eugène Marié.
Besançon, Normal School	28.87	733.2	29.75	755.6	39.9	4.4	93	sw.			1		10		e.	0.020	0.5	snowing	M. Gobin, Director.
Bordeaux, Observatory	29.53	750.0	29.79	756.6	55.6	13.1	53	ne.			1		5		sw.	0.008	0.2	cloudy	M. *Rayet*, *Director*.
Bourges, Normal School	29.32	744.8	29.88	759.0	45.3	7.4	64	n.			1		5			0	0	cloudy	M. **Sauvageot**, Director.
Brest, Naval Observatory	29.74	755.5	29.98	761.6	49.3	9.6	61	ne.			2		6		ne.	0	0		M. de Kermarée, Dir.
Caen, Normal School	29.78	756.3	29.85	758.2	50.9	10.5	77	ne.			2		5		ne.	0.12	3	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.37	745.9	29.77	756.2	41.0	5.0	93	nne.			2		8			0.071	1.8	very cloudy	M. Jadot, Director.
Charleville, Normal School	29.28	743.8	29.80	757.0	43.0	6.1	78	nne.			2		8			0.091	2.3	¾ covered	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.43	722.0	29.80	756.9	45.5	7.5	72	n.			1		10		n.	0.146	3.7		M. Alluard, Director.
Cluny, Normal School	28.96	735.6	29.83	757.6	44.6	7.0	60	nw.			1		9		nw.	0.012	0.3		M. de Villemontés, Dir.
Commercy, *Normal School*	28.95	735.2	29.80	756.9	43.7	6.5	83	ne.			1		kn	ne.	ne.	0.04	1.		Dr. Coulet, Director.
Gap, Normal School	27.18	690.4	29.67	753.5	48.6	9.2	54	ne.			2		9 kn		nw.	0.031	0.8		M. *Jarach*, *Director*.
Gréasque, du Rhone	28.60	726.4	29.70	754.3	59.0	15.	55	nw.			2		1		nw.	0	0		M. Kina, Director.
Grenoble. Normal School	29.02	737.2	29.80	756.8	50.0	10	60	wnw.			6		n		nw.	0	0		M. Ablard, Director.
Gueret, Normal School	28.25	717.6	29.86	758.4	43.7	6.5	56	ne.			1		kn		se.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.63	752.7	29.91	759.7	48.9	9.4	61	e.			1		2 n		e.	0	0	slightly cl'dy	**M. Polipro, Dir.**
Lescar, Normal School	29.23	742.5	29.79	759.7	59.4	15.2	47	w.			1		10 n			0.024	0.6	covered	M. **Chauvin, Director.**
Lorient, Naval Observatory	29.84	757.8	29.94	760.4	51.1	10.6	48	nne.			1		8	nne.	nne.	0	0	¾ covered	**Lt.** T. **Carre**, Director.
Lyon, St. Genis-Laval	28.74	730.1	29.81	757.1	47.5	8.6	47	nw.			2	c	8 k	w.	nnw.	0.020	0.5	very cloudy	M. André, Director.
Mans, *Normal School*	29.61	752.0	29.92	759.9	48.4	9.1	63	e.			1		5 k		e.	0	0	cloudy	M. **Richard**, Director
Marseille, Observatory	29.45	748.1	29.72	754.9	59.9	15.5	46	wnw.			4–6		2		w.	0	0		M. *Stephan*, *Director*.
Montlouis	24.50	622.2	29.34	745.2	35.6	2.0	85	e.	5.5	2.5			8	e.		0.524	13.3		M. Cave for **Dr. Fines.**
Montpellier, Normal School	29.55	750.5	29.66	753.3	59.0	15	78	s.			4		5	nw.				raining	M. Galzin, **Director.**
Nancy, Normal School	29.00	736.5	29.80	756.8	42.4	5.8	70						10			0.020	0.5	rainy	**M. Hasse, Director.**
Nantes, Observatory	29.74	755.5	29.91	759.6	52.0	11.1	40	ene.			1–2		4 k		nne.	0	0		M. Larocque, Director.
Perpignan, Observatory	29.66	753.4	29.78	756.3	56.8	13.8	58	s.	1.8	0.8			10			0.028	0.7		Dr. Fines, Director.
Pic-du-Midi, Summit	20.85	529.5			22.1	−5.5		sw.			1		8		sw.	0.039	1.0	very cloudy	**M. Vaussenat, Director.**
Privas, Normal School	28.69	728.7	29.76	755.8	50.0	10.	28	n.			1		10			0.335	8.5	covered	M. Tailleu.
Puy de *Dôme Obs'y, Summit*	24.85	631.2			25.5	−3.6	100	n.			1		10			0.130	3.3	foggy	M. Alluard.
Rochefort, Naval Obs'y	29.83	757.7	29.86	758.5	53.8	12.1	56	n			2		8		n.	0	0	¼ covered	**Lt.** E. Decante, **Director.**
Roche-sur-Yon, N. School	29.67	753.5	29.88	759.0	50.7	10.4	50	ne.			2				ne.	0	0	fair	M. Bretlier, **Director.**
Rodez, Normal School	27.66	702.5	29.77	756.2	52.7	11.5	73	n.			1		5		se.	0	0		M. Seger, Director.
Rouen, Normal School	29.85	758.3	29.90	759.5	50.4	10.2	61	ne.			4		2		n.	0	0	slightly cl'dy	M. Mouillot, Dir.
Saint Maur, Observatory	29.69	754.1	29.85	758.3	45.1	7.3	56	nne.			1		10		nne.	0.008	0.2	covered	M. Renou, Director.
Toulouse, Observatory	29.10	739.0	29.82	757.3	54.0	12.2	65	nw.			1		5	nw.		0	0	cloudy	M. Bailland, Director.
Tours	29.67	753.7	29.85	758.3	52.5	11.4	43	n.			1		5	ne.	ne.	0	0	cloudy	**M. de Tastes.**
Versailles, Observatory	29.36	745.8	29.86	758.4	42.4	5.8	63	ne.			2		10			0	0	covered	Dr. A. Berigny, **Director.**
Sub-series.																			
St. Martin du Hinx	29.67	753.6	29.82	757.4	54.7	12.6	74	w.	11.9	5.3			7 k		w.	0.382	9.7		M. Carlier, **Director.**
GERMAN.																			
Ansbach	28.33	719.5	29.80	757.0	42.8	6.0	41	n.			2		7	n.		0.008	0.2		Prof. Juedt.
Bamberg	28.95	735.3	29.78	756.5	42.8	6.0	77	n.			3		7 ks		n.	0	0		Prof. Dr. Hoh.
Berlin	29.68	753.8	29.82	757.5	41.4	5.2	51	ne			1		10			0	0		Meteorological Institute
Breslau	29.22	742.2	29.74	755.5	36.9	2.7	93	nw.			3		10			0.138	3.5	light rain	Royal University Obs'y
Carlsruhe	29.34	745.3	29.80	757.0	45.7	7.0	61	sw.			1		10	ne.		0.217	5.5		Albert Senz.
Cassel	29.12	739.6	29.83	757.7	38.1	3.4	74	ne.			2		6	ne.		0.181	4.6	snowing	Dr. H. Möhl.
Frankfort-on-the-Main	29.44	747.7	29.81	757.2	42.4	5.8	73	ne.			1		10			0.031	0.8		Physical Society.
Friedrichshafen	28.32	719.3	29.74	755.3	48.2	9.0	62	nw.			3		5	nw.		0.661	16.8		Wilhelm, Chief Tel.
Hamburg	29.88	759.0	29.97	761.3	38.1	3.4	78	nne.			4		10			0	0		E. Preller.
Kiel	29.96	760.9	29.97	761.3	39.7	4.3	54	ne.			5		9			0	0		Prof. Dr.G. **Karsten.**
Leipsic, Astrom'l Obs'y	29.43	747.5	29.86	758.5	38.8	3.8	87	n.			1		10	nne.		0.283	7.2	light rain	H. Leppig, Asst.
Magdeburg	29.67	753.5	29.85	758.2	41.0	5.0	60	nne.			2		10	ne.		inap.	inap.	raining	Weather Observatory.
Memel	29.76	755.9	29.81	757.1	45.1	7.3	41	ne.			5	10 cs							Issermann.
Munich	27.93	709.5	29.78	756.4	43.7	6.5	48	n.			2		9	nw.		0	0		Central Station.
Neufahrwasser	29.76	756.0	29.79	756.7	35.8	2.1	89	ne.			4		10			0.169	4.3	rain & snow	A. Lothes.
Neustadt, *Palatinate*	29.24	742.8	29.77	756.1	40.2	7.9	63	ne.			1		10	ne.					Prof. Dicknether.
Stuttgart	28.82	731.9	29.72	754.8	45.0	7.2	66	ne.			1		10			0.035	0.9		*Dr.* **L. Meyer.**
Wustrow	29.91	759.8	29.94	760.4	40.8	4.9	59	ne.			5		10 8			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.44	747.7	29.81	757.2	71.6	22.0		s.			1.0	3				0	0		**Kokkides & Wourlisch.**
INDIAN.																			
Kurrachee	29.71	754.6	29.76	755.9	81.0	27.2	74	wsw.	32.0	14.3			0			0	0	misty	
Deesa	29.26	743.1	29.72	754.8	96.1	35.6	14						1	sw.		0	0	d. clouds	
Bombay	29.79	756.7	29.83	757.7	83.4	28.6	77	wnw.	20.0	8.9			0			0	0	blue sky	
Poona, Yarrowda	27.95	710.0	29.76	755.8	93.3	34.1	21	w.	28.0	12.5			1			0	0	d. clouds	
Trichinopoly	29.54	750.3	29.81	757.2	96.8	36.0	38	ssw.	0.2	0.1			5	nne.	nne.	0	0	d. clouds	
Bellary	28.25	717.5	29.66	753.2	101.0	38.3	23	w.	2.0	0.9			2			0	0	d. clouds	
Belgaum	27.28	692.8	29.78	756.4	81.4	27.4	62	wsw.	11.0	4.9			2		s.	0.01	0.3	d. clouds	
Lahore	28.92	734.6	29.64	752.9	94.1	34.5	23	nw.	4.0	1.8			8			0	0	d. clouds	
Roorkee	28.76	730.4	29.62	752.4	94.4	34.7	18	n.	10.0	4.5			0			0	0	*misty.*	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent	From.	Miles p. hr.	Mtrs. p. sec	0–9	0–10	0–10	From	From	Inch.	Mill.		
INDIAN.—Continued.																			
Agra	29.08	738.7	29.62	752.4	100.1	37.8	16	nw.	2.6	0.9			3		nw.	0	0	d. clouds	
Nagpur	28.65	727.7	29.65	753.1	101.6	38.7	9	sw.	6.0	2.7			5		sw.	0	0	d. clouds	
Jubbulpore	28.36	720.2	29.66	753.3	99.3	37.4	12	sw	4.0	1.8			5	W.		0	0	d. clouds	
Lucknow	29.28	743.8	29.65	753.0	97.0	36.1	28	calm	0	0			2			0	0	d. clouds	
Allahabad	29.31	744.4	29.61	752.0	100.7	38.2	13	calm	0	0			0			0	0	d. clouds	
Patna	29.19	748.0	29.67	753.5	92.9	33.8	33	ene.	7.8	3.5			0			0	0	blue sky	
Hazaribagh	27.69	703.2	29.63	752.7	92.2	33.4	9	new.	6.0	2.7			0			0	0	blue sky	
Cuttack	29.65	753 0	29.73	755.1	87.3	30.7	58	w.	6.0	2.7			5			0	0	d. clouds	
Calcutta, Alipore	29.74	755.3	29.76	755 8	86.0	30.0	70	sse.	17.0	7.6			10		e.	0	0	gloomy	
Chittagong	29.74?	755.4?	29.83?	757.7?	71.6	22.0	79	e.	5.1	2.3			3			0	0	d. clouds	
Sibsagar	29.49	749 1	29.83	757.6	81.4	27.4	58	sw.	1.0	0.4			0			0	0	blue sky	
Jeypore	28 26	717.7	29.65	753 2	95.7	35.4	16	wnw.	17.5	7.8			0		w.	0	0	d. clouds	
Zanzibar	29.89	759.2			79.8	26.6	82	wsw.	4.2	1.9			6		ene.	0	0	d. clouds	
ITALIAN.																			
Udine	29.28	743 8	29.69	751.1	52.0	11.1	70	ne.	9.4	4.2			3			0.449	11.4		Prof. Giovanni Clodig.
Milan	29.10	739.2	29.01	752.2	61.5	16.4	43	sw.	4.3	1.9			7	wsw.		0	0		Prof. G.V.Schiapparelli
Padua	29.53	750.0	29.63	752.7	57.0	13.9	66	e.	3.8	1.7			9	sw.		0.213	5.4		Prof. Dott. Lorenzoni.
Moncalieri	28.68	728 5	29.58	751.2	59.7	15.4	55	sse.	2.5	1.1			5	w.		0	0		Prof. F. F. Denza.
Genoa	29.45	747.9	29.04	752.9	59.0	15.0	55	s.	6.3	2.8			10	w.		0	0		Prof. G. M. Garibaldi.
Pesaro	29.66	753.3	29.71	751.5	50.1	13.4	73	w.	8.7	3.9			10	wsw.		0.236	6.0		Prof. Luigi Gindi.
Florence	29.42	747.3	29.67	753.7	61.5	16.4	46	w.			8		8	sw.		0.051	1.3		Prof. Costantino Pittei.
Leghorn	29.58	751.2	29.66	753 3	61.5	16.4	56	sw.	16.8	7.5			4			0	0		Prof. P. Monte.
Rome	29.66	751.7	29.77	756.1	63.3	17.4	50	sw.					8	w.		0	0		Prof. P. Tacchini.
Lecce	29.57	751.1	29.82	757.4	66.2	19.0	40	ssw	13.6	6.1			0	sw.		0	0		Prof. C. de Giorgi.
Cosenza	28.93	735.5	29.84	757 9	64.0	17.8	78	wsw	2.5	1.1			5	sw.		0.091	2.3		Prof. D. Conti.
Palermo	29.01	737.0	29.85	758.2	69.8	21.0	40	wsw.	12.5	5.6			10	wsw.		0	0		Prof. G. Caccatore
Syracuse	29.79	756.6	29.83	757.7	68.9	20.5	56	s.	9.8	4.4			10	wsw.		0	0		Sig. V. Ginlia no.
Sub-series.																			
Naples, Astron'l Obs'y	29.31	744.4			59.4	15.2	76	sw.	11.2	5.0			6	sw.		0.039	1.0		Prof. F. Brioschi.
Stelvio	21.74	552.1			35.6	2.0	77	w.			4		10			0.283	7.2	misty	Prof. P. F. Denza.
Valdobbia	21 76	552.7			32.2	0.1	62	nw.			4		4			0	0	misty	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.92	759.9	29.95	760.8	53.7	12.1	70	calm			0	0	0			0	0	foggy	H. Hattori.
Awomori	29.90	760 0	30 00	762.0	45.0	7.2	67	e.	1.8	0.8		0	1 ks			0	0	clear	K. Ogawa.
Hakodate	30.07	763 8	30.08	764.1	40.8	4.9	75	ene.	3.0	1.3			10 s			0.118	3.0	overcast	Y. Souma.
Hamamatsu	29.90	759 4	30.00	761.9	59.8	15.4	78	calm			0		10 s;n			1.358	34.5	raining	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	29.83	757.7	29.85	758.2	55.6	13.1	94	n.	4.6	2.1			10 n		w.	2.417	61.4	raining	Y. Okamoto.
Kagoshima	29.09	754.1	29.70	754.4	61.8	16.6	89	ne.			2		10 n			1.055	42.0	raining	
Kanazawa	29.87	758.7	29.97	761.3	58.5	14.7	71	s.	2.2	1.0			10 n			0.700	20.1	raining	S. Endo.
Kioto													10 n			1.440	36.6	light rain	M. Tojima.
Kochi	29.85	758.2	29.87	758.7	58.3	14.6	93	e.	9.9	4.4			10 n			1.278	32.5	raining	K. Kusunose
Minaka	29.63	752.6	29.66	753.3	58.4	14.7	95	wnw.			2		10 n		e.	1.035	26.3	raining	K. Masusaki&T. Ishizaka.
Miyako	29.97	761.3	30.08	764.1	44.1	6.7	70	n.	1.1	0.4		3c;Ck	0			0.004	0.1	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.49	749.0	29.09	754.1	57.1	13.9	96	nne.	8.1	3.6			10 n			0.900	22.9	light rain	
Nemuro	30.15	765.8	30.20	767.1	33.1	0.6	73	sse.	3.0	1.3			9 s			0	0	cloudy	A Shibuya.
Niigata	29.92	759.9	29.95	760 7	50.8	13.8	79	e	0 4	0.2			10 s			0.160	4.1	covered	Satoo & Tomikawa.
Nobiru	29.08	761.6	30.00	762.0	50.0	10.5	75	ene.	7.1	3.1			10 s			0.140	3.6	covered	Yoshino & Midzushina.
Numadzu	29.96	761 0	29.99	761.8	59.9	15.5	68	nw.			2		10 s			1.101	29.5	overcast	T. Ohgi.
Otaka	29.92	760.0	29.94	760.5	57.8	14.3	95	ene.	11.4	5.1			10 n			0.895	22.7	light rain	H. Omura.
Saga	29.70	754.4	29.74	755.0	55.7	13.2	95	ne.	8.4	3.8			10 n			0.774	19.7	cloudy	A. Matsuhayashi.
Sakai	29.88	758 9	29.89	759 1	54.8	12.7	90	ne.			2		10 n		nne.	0.555	14.1	raining	Yamawchi & Sakamoto.
Sapporo	30.02	762.4	30.08	764.1	38.0	3.3	77	s.	2.1	0.9			9 ns			0	0	covered	S. Kimura.
Shimonoseki	29.03	752.5	29.77	756.2	54.4	12.4	92	ene.			4		10 n			1.354	34.4	raining	S. Sakano.
Tokei Obs'y, Yeddo	29.89	759.2	29.96	761.1	59.2	15.1	68	s.	9.7	4.3			10 s			0.778	19.8	raining	The Staff.
Wakayama	29.85	758 1	29.90	759 4	58.9	14.9	91	ne;ene.	0.6	0.3			10 n			0.044	10.4	raining	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.74	755.4	29.92	760.0	80.0	26.7	70	ne.	8.5	3.8		1 cs	2 k		ene.	0	0	fair	The Staff.
MEXICAN.																			
Leon	24.23	615.4	29.91	759.7	55.4	13.0	65	nnw.	0.9	0.4		5 c	0	w.		0	0	fair	M. Leal & M. Pina
Mazatlan	29.04	752.8	29.90	759.4	65.0	18.3	81	e.	1.6	0.9		0	0			0	0	hazy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.92	759.9	29.92	759.9	44.2	6.8		nne.			4					0	0		
Groningen	29.90	759 5	29.90	760.9	42.8	6.0		ene.			2					0	0		
Helder	29.96	760.9	29.96	760.9	42.8	6.0		ne.			4					0	0		
Hellevoetsluis	29.91	759 8	29.91	759.8	44.6	7.0	47	e.			3					0	0		
Utrecht	29.88	759.0	29.93	760.2	45.5	7 5	41	ne.			5		7			0	0	very cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.90	759.5			80.8	27.1	80	nne.	1.5	0.7			7			0	0		Lt. J. J. Reptman, R. D. N
NORWEGIAN.																			
Bergen	30.11	764.7	30.17	766.3	42.1	5.6	43	wnw.	7	3			5			0	0		
Brono	30.26	768.6	30.30	769.6	40.3	4.6	31	e.			2		0			0	0		
Christiania	30.05	763.3	30.21	767.2	39.0	3.9	38	ene.	9	4			9			0	0		
Gjesvær	30.11	764.7	30.13	765.3	32.0	0.0		wsw.			9		9			0	0		
PORTUGUESE.																			
Funchal, Madeira	29.51	749.5	29.60	751.7	62.1	16.7	82	wsw.	14.3	6.4			10			0.437	11.1	raining	Capt. D. A. de Cunha.
Lisbon, Observatory	29.21	741.8	29.54	750.2	50.8	13.8	91	sse.	18.1	8.1			9			0.776	19.7		The Staff.
Ponta Delgada, Azores	29.68	753.8	29.75	755.6	57.6	14.2	67	ne.	20.6	9.2			3			0.386	9.8		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.97	761.2	30.00	762.1	72.0	22.2	75	ene.			2		2			0	0		
San Salvador, Congo																			
Serra da Estrella	24.87	631.6	29.71	754.6	31.1	— 0.5	100	se.	23.7	10.6			10			0.465	11.8	snow & fog	
RUSSIAN.																			
Akmolinski	29.20	741.7	30.32	770.1	39.4	4.1	44	wnw.	9	4		1 c	0			0	0		Major K. Lissarew.
Archangel	30.22	767.0	30.24	768.1	27.3	— 2.0	70	wnw.	9	4		0	0			0	0		Capt. Sselliwerstow
Ashuradа	29.89	759.3	29.80	756.9	68.2	20.1	78	nnw.	11	5		0	1 k			blank	blank		
Asurakhan	29.92	759.9	29.85	758.1	64.8	18.2	55	sse.	22	10		0	1 s			0	0		Capt. Wisganow.
Baku	29.91	759.8	29.87	758 6	61.3	16.3	76	calm	0	0		0	0						
Barnaul	29.71	754.6	30.24	768.0	30.2	— 1.0	54	w.	13	6			9			0.020	0.5		Meteorological Office.
Bielosersk	29.50	749.4	29.99	761.7	35.1	1.7	56	ene.	13	6			10 s			0	0		
Dorpat	29.05	753.1	29.90	759.5	39.2	4.0	50	ne.	16	7		2 c	0			0	0		Rosenthal.
Ekaterinburg	29.15	740.4	30.13	765 3	44.2	6.8	33	sw.	4	2		10 c	0			0	0	solar halo	Meteorological Obs'y.
Elissawetgrad	29.21	742.0	29.65	753.2	57.7	14.3	44	nw.	7	3		c	4 ks			inap.	inap.		
Kasalinsk	29.84	757.9	30.02	762.4	61.7	16.5	34	ene.	11	5									Butkewitsch.
Kasan	29.53	750.1	29.81	757.1	38.1	3.4	95	sse.	7	3			10			0.280	7.1	light rain	Observatory.
Kem	30.28	769 0	30.33	770.3	29.5	— 1.4	57	ne.	9	4		0	2 k			0	0		
Kerten	29.71	754.7	29.74	755 3	54.7	12.6	87	calm	0	0			10 n			0.130	3.3		Lagorio & Sastyrea.
Kieff	28.97	735.7	29.00	751.9	44.0	7.0	70	wsw.	9	4			10ks;n			blank	blank		Observatory.
Koslov	29.08	738.5	29.58	751.3	43.0	6.1	95	ssw.	9	4			10 s			0	0		
Lgov	29.04	737.6	29.03	752 6	42 3	5.7	85	wsw.	22	10			10			blank	blank		R. I. Seaweljew, Engin't.
Libau	29.81	757.1	29.83	757.7	43.3	6.3	39	ne.	16	7			8			0	0		E. Quass.
Lugan	29.44	747.8	29.64	752.8	71.4	21.9	28	sw.	22	10			8			0	0		Meteorological Obs'y.
Moscow	29.00	730.6	29.49	749.0	35.2	1.8	95	e.	4	2			10 n			0.193	4.9	rain & fog	Meteorological Obs'y.
Nertschinsk	27.74	704.6	30.12	765.0	29.3	— 1.5	25	calm	0	0			0			0	0		
Nikolaiev	29.54	750.4	29.61	752.2	61.3	16.3	63	ne.	13	6		7 cs	0			0	0	light clouds	Capt. Kurdakow.

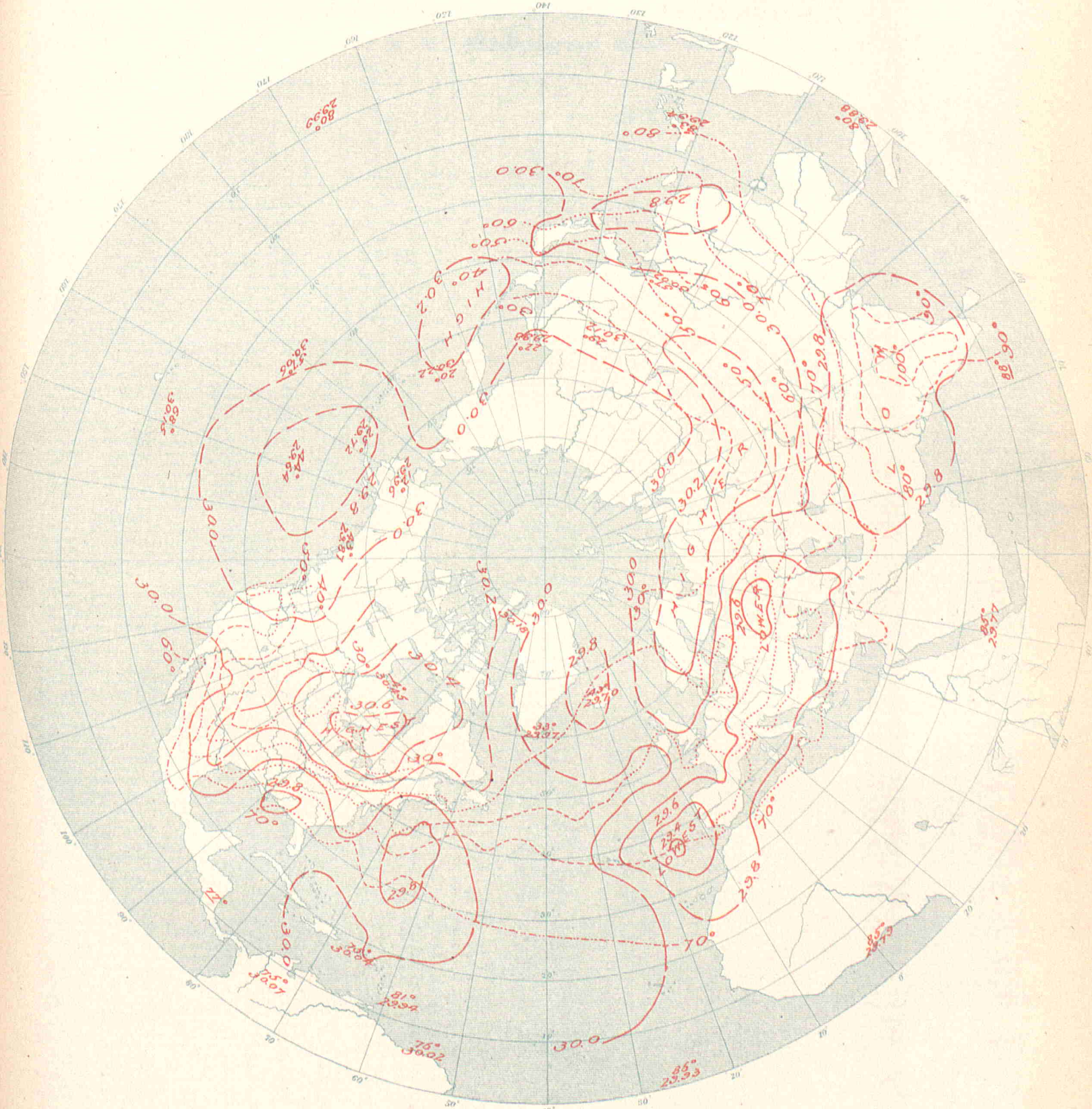
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mets. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.89	759.2	29.98	761.4	21.6	— 5.8	77	w.	4	2	.....	0	1 s	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.87	758.8	30.02	762.4	57.2	14.0	42	se.	5.6	2.5	.....	.....	9 n	.....	.....	.....	.....	.....	Siang.
Petro-Alexandrovsk	29.51	749.6	29.85	758.2	72.0	22.2	23	ne.	4	2	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.95	760.7	30.15	765.9	30.6	— 0.8	53	nne.	16	7	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.15	740.3	29.65	753.2	36.3	2.4	91	sw.	9	4	.....	.....	10 n	.....	.....	0.378	9.6	snowing	
Poti	29.78	756.4	29.81	757.2	67.1	19.5	97	e.	4	2	.....	.....	5 s	.....	.....	0	0	.....	
St. Petersburg	29.98	761.5	30.01	762.2	34.5	1.4	51	ne.	16	7	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.40	696.0	29.79	756 6	68.4	20.2	60	e.	7.8	3.5	.....	2 cs	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.69	754.1	30.38	771.6	35.8	2.1	54	nw.	9	4	.....	.....	7	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.48	748 9	29.59	754.2	59.4	15.2	62	s.	27	12	.....	.....	9 n	.....	.....	0.020	0.5	.....	
Staroi Bykhov	29.02	737.1	29.59	751.5	35.4	1.9	93	n.	4	2	.....	.....	10	.....	.....	0.53?	13.5	.....	Carl Hagen.
Tashkend, Laboratory	28.13	714.5	29.72	754.8	74.8	23.8	45	w.	4	2	.....	.....	10 k	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.40	721.3	29.79	756.7	61.2	16.2	77	se.	4	2	.....	.....	10 n	.....	.....	0.209	5.3	.....	Physical Observatory
Vernoe	27.52	698.9	30.00	762.1	55.0	12.8	79	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.36	745.8	30.02	762.5	29.8	— 1.2	84	e.	9	4	.....	.....	10	.....	.....	0.118	3.0	.....	
Vladivostock	30.13	765.3	30.20	767.0	33.3	0.7	77	calm	0	0	.....	.....	10 n	.....	.....	inap.	inap.	.....	
Warsaw	29.24	742 7	29.67	753.7	37.0	2.8	84	n	2	1	.....	.....	10 ks	.....	.....	.....	.....	h'vy clouds.	Astronomical Obs'y.
Yeniseisk	29.61	752.0	29.91	759.6	28.0	— 2.2	51	w.	16	7	.....	.....	7	.....	.....	0.020	0.5	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	28.88	733.5	29.40	746.7	34.5	1.4	94	ene.	18.6	8.3	.....	.....	10 n	.....	e.	inap.	inap.	snowing	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.67	753.6	29.78	756 4	56.7	13.7	78	e.	4.3	1.9	.....	c	8 n	.....	.....	0	0	.....	B. Jelin.
Bilbao, Met. Obs'y	29.76	756.0	29.82	757.5	59.7	15.4	61	se.	0.9	0.4	.....	3	6	nw.	.....	0	0	almost cov'd	Angel de Uraldo.
Burgos, Met. Obs'y	26.80	680.8	29.79	756.7	46.4	8.0	72	ne.	6.3	2.8	.....	.....	7	.....	.....	0.224	5.7	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.51	698.7	29.76	755.9	47.7	8.7	92	ne.	9.8	4.4	.....	.....	10	.....	.....	0.217	5.5	covered	The Staff.
Murcia, Met. Obs'y	29.58	751.2	29.71	754.7	65.5	18.6	81	nne.	2.0	0.9	.....	4	5	se.	.....	0.059	1.5	raining	Olnyo Diaz, Director.
Santiago, Met. Obs'y	28.73	729.8	29.62	752.3	56.3	13.5	49	ne.	16.1	7.2	.....	.....	6	.....	.....	0.012	0.3	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.89	759.2	29.96	760.9	76.8	24.9	84	se.	4.5	2.0	.....	0	k	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	758.9	29.94	760.4	82.8	28.2	84	sw.	22.0	9.8	.....	0	ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.61	752.2	29.71	754.7	62.4	16.9	86	s.	11.5	5.1	.....	.....	10	.....	s.	0.314	8.0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.95	760.6	30.04	762.9	75.2	24.0	87	calm	0	0	.....	2 c	8 k	s.	s.	0	0	d. clouds	Enrique Gaden, Chf Eng
Swedish.																			
Haparanda	30.31	769.8	30.35	770 8	37.4	3.0	90	n.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Umea	30.30	769.6	30.35	770.9	33.8	1.0	57	ne.	.....	.....	4	.....	6	.....	.....	0	0	.....	
Hernosand	30.21	767 3	30.26	768.6	37.8	3.2	59	nne.	.....	.....	4	.....	3	.....	.....	0	0	.....	
Stockholm	29.95	760.8	30.13	765.3	39.9	4.4	39	ne.	.....	.....	6	.....	1	.....	.....	0	0	.....	
Wisby	29.93	760.1	29.98	761.6	39.2	4.0	55	nne.	.....	.....	7	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.06	763.4	30.14	765 6	39.9	4.4	40	ne.	16.1	7.2	.....	.....	6	.....	e.	0	0	.....	H.H.Hildebrandsson
Swiss																			
Geneva	28.35	720.1	29.80	756.9	45.7	7.6	54	ssw.	.....	.....	2	.....	10	.....	.....	0.130	3.3	covered	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.77	756.1	72.7	22.6	32	sw.	9	4.0	.....	.....	4	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.99?	760.9?	67.3	19.6	.....	sw.	.....	.....	2	.....	2	.....	.....	0.12	3.	slightly cl'd'y	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.96	761 0	67.5	19.7	75	nw.	.....	.....	2	1 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.05	763.3	30.13	765.3	44	6.7	60	n	16	7.2	.....	.....	10 s	.....	n.	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.91	759.7	30.60	777.2	30.8	— 0.7	57	ne.	14	6.3	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.03	635.8	29.95	760.7	35.8	2.1	75	ne.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.26	692.4	30.17	766 3	30.7	— 0.7	70	e.	8	3.6	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.66	728.0	29.85	758.2	61.3	16.3	96	se.	11	4.9	.....	.....	10 n	.....	.....	0.40	10.2	light rain	S. W. Beall
Atlantic City, New Jersey	30.00	762.0	30.01	762.2	51.2	10.7	86	n.	10	4.5	.....	0	3 k	.....	n.	0	0	light rain	B.A.Blundon.
Augusta, Georgia	29.74	755.4	29.94	760.5	63	17.2	93	se.	3	1.3	.....	.....	10 n	.....	.....	0.41	10.4	clear	W.J.Evans.
Baltimore, Maryland	30.05	763.3	30.10	764.5	52.2	11.2	68	n.	10	4.5	.....	1 cs;hz	0	n.	.....	0	0	cloudy	Geo. W. Felger.
Barnegat City, New Jersey	30.00	762.0	30.02	762.5	51.2	10.7	82	n.	8	3.6	.....	8 ck	0	nw.	.....	0	0	clear	J.P.Sherry
Bennett, Fort, Dakota	28.88	733.5	30.52	775 2	22.0	— 5.6	61	sw.	3	1.3	.....	0	0	.....	.....	0	0	cloudy	A. Pritchard.
Benton, Fort, Montana	27.32	693.9	30.18	766.6	38.2	3 4	64	calm	0	0	.....	0	4 s	.....	sw.	0	0	fair	C.S.Bennett.
Bismarck, Dakota	28.62	726.9	30.50	774.7	27.0	— 2.8	77	e.	3	1.3	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.91	759.7	29.94	760.5	47.8	8.8	95	n.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	J. T. Etker.
Boise City, Idaho	27 18	690.4	30.02	762.5	51.5	10.8	64	e.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	James Kenealy.
Boston, Massachusetts	29.82	757.4	29.98	761.5	45.0	7.2	190	ne.	2	0.9	.....	.....	10 k	.....	s.;sw.	0.12	3.0	light rain	O. B. Cole.
Brownsville, Texas	30.08	764.0	30.14	765.5	49.8	9.9	71	n.	11	4.9	.....	4 ck	6 s	sw.	.....	0.05	1.3	cloudy	John McGlone.
Buffalo, New York	29.57	751.1	30.34	770.6	33	0.6	65	ne.	12	5.4	.....	0	9 s	.....	ne.	0.07	1.8	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	28.29	718.6	30.39	771.9	29.2	— 1.6	74	ne.	7	3.1	.....	3 cs	0	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.59	751.6	30.00	762.0	51.1	10.6	82	ne.	17	7.6	.....	.....	10 s	.....	ne.	0	0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.69	754.1	29.89	759.2	49.0	9.4	84	e.	7	3.1	.....	0	0	.....	.....	0	0	clear	J.H.Young.
Cape Henry, Virginia	30.04	763 0	30.06	763.5	54.0	12.2	74	nw.	8	3.6	.....	0	5 k	.....	.....	0	0	fair	A. K. Alderson.
Cape May, New Jersey	30.01	762 2	30.04	763.0	51.0	10.6	82	nw.	15	6.7	.....	0	0	.....	.....	0	0	clear	W.E.Smith.
Cape Mendocino, California	29.28	743.7	29.97	761.2	50.2	10.1	96	se.	20	8.9	.....	.....	10 c	.....	.....	0.05	1.3	light rain	A. P. Leavitt.
Cedar Keys, Florida	29.90	759.4	29.92	760.0	75.2	24.0	90	sw.	11	4.9	.....	.....	10 k	.....	s.;sw.	0	0	threatening	G. W. Davis.
Charleston, S. Carolina	29.89	759.2	29.95	760.7	64.9	18.3	100	e.	6	2.7	.....	.....	10 n	.....	ne.	0.12	3.0	light rain	J. H. Smith.
Charlotte, N. Carolina	29.12	739.6	29.98	761.5	57.7	14.3	90	se.	7	3.1	.....	.....	10 s	.....	se.	0	0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.02	737.1	29.85	758.2	59.4	15.2	100	ne.	9	4.0	.....	.....	10 n; fg	.....	se.	0.07	1.8	light rain	B. L. Gouldine.
Cheyenne, Wyoming	24.17	613.9	30.19	766.8	23.4	— 4.8	84	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.65	753.1	30.38	771.6	35.2	1.8	54	ne.	26	11.6	.....	0	0	.....	.....	0.17	4.3	clear	T.B.Jennings.
Chincoteague, Virginia	30.02	762 5	30.04	763.0	51.0	10.6	86	n.	12	5.4	.....	0	hz.	.....	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.49	749.0	30.16	766.1	42.1	5.6	88	e.	8	3.6	.....	.....	10 s	.....	e.	0.07	1.8	cloudy	L.Dunne.
Cleveland, Ohio	29.58	751.3	30.34	770.6	35.8	2.1	79	ne.	13	5.8	.....	0	9 s	.....	ne.	0	0	cloudy	W.Line.
Columbus, Ohio	29.33	745.0	30.20	767.1	39.1	3.9	81	n.	10	4.5	.....	.....	10 s	.....	n.	0.04	1.0	cloudy	F.T. Williams.
Concho, Fort, Texas	28.30	718.8	30.24	768.1	35.0	1.7	82	nw.	9	4.0	.....	0	0	.....	.....	0.13	3.3	clear	C. E. King.
Custer, Fort, Montana	26.96	684 8	30.14	765.5	29.4	— 1.4	77	e.	2	0.9	.....	0	hz.	.....	.....	0	0	dense haze	W.J.Daily.
Davenport, Iowa	29.68	753.9	30.35	770.9	34.0	1.1	71	ne.	11	4.9	.....	5 cs	3 s	w.	ne.	0.01	0.3	cloudy	R. R. Martin.
Davis, Fort, Texas	25 37	644.4	30.15	765.8	28.7	— 1.8	88	ne.	1	0.4	.....	0	c	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty	28.20	716.3	29.96	761.0	46.2	7.9	63	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear	H.S.Blandford.
Deadwood, Dakota	25.60	650.2	30.29	769.4	26.0	— 3.3	80	se.	3	1.3	.....	0	0	.....	.....	0	0	clear	G.Kingsbury.
Delaware Breakwater, Del	30.04	703.0	30.06	763.5	49.0	9.4	85	n.	17	7.6	.....	0	hz.	.....	.....	0	0	clear	G.A.Martin.
Denver, Colorado	24.90	632.4	30.18	766.6	24.6	— 4.1	72	s.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	F. M. Neal.
Des Moines, Iowa	29.46	748.3	30.39	771.9	35.3	1.8	66	e.	10	4.5	.....	.....	10 s	.....	e.	0.03	0.8	cloudy	F. W. Conrad.
Detroit, Michigan	29.68	753.9	30.41	772.4	33.2	0.7	50	n.	12	5.4	.....	3 cs	0	n.	.....	0	0	clear	N.B.Conger.
Dodge City, Kansas	27.64	702.0	30.28	769.1	30.2	— 1.0	80	nw.	12	5.4	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	J.E.Lamouette.
Dubuque, Iowa	29.74	755.4	30.47	773.9	33.3	0.7	56	ne.	7	3.1	.....	0	0	.....	.....	0.05	1.3	clear	A.W.Browne.
Duluth, Minnesota	29.88	758.9	30.65	778.5	29.9	— 2.8	76	n.	1	0.4	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
Eastport, Maine	29.88	758.9	29.95	760.7	43.0	6.1	100	ne.	6	2.7	.....	.....	fg.	.....	ne.	0.15	3.8	dense fog	D. C. Murphy.
Elliott, Fort, Texas	27.43	696.7	30.21	767.3	28.2	— 2.1	86	nw.	14	6.3	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
El Paso, Texas	26.40	670.5	30.14	765 5	42.0	5.6	30	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	F.Belford.
Erie, Pennsylvania	29.59	751.6	30.34	770.6	35.1	1.7	80	ne.	22	9.8	.....	.....	10 ks	.....	ne.	0.02	0.5	cloudy	P.Wood.
Escanaba, Michigan	29.91	759.7	30.60	777.2	26.2	— 3.2	81	n.	11	4.9	.....	0	0	.....	.....	inap.	inap.	clear	L.M.Pindell.
Fort Smith, Arkansas	29.55	750 6	30.03	762 7	43.7	6.5	93	nw.	8	3.6	.....	.....	10 s	.....	n.	0.88	22.4	cloudy	J. B. Campbell.
Galveston, Texas	29.90	761 0	30.00	762.0	51.3	10.7	84	nw.	19	8.5	.....	.....	10 ks	.....	nw.	0.29	7.4	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.77	756.1	30.46	773.7	34.0	1.1	83	n.	17	7.6	.....	2 c	0	.....	.....	0.05	1.3	clear	Joseph E. Mueller.
Grant, Fort, Arizona	25.24	641 1	29.97	761.2	44.2	6.8	45	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	30.02	762.5	30.04	763 0	56.2	13.4	74	ne.	5	2.2	.....	3 c	hz.	nw.	.....	0	0	clear	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. c=10	Clouds. Amount and kind. Upper. c=10	Clouds. Amount and kind. Lower. c=10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
United States.—Cont'd.																			
Helena, Montana	25.91	658.1	30.12	765.0	36	2.2	72	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	S. W. Morrison.
Huron, Dakota	29.08	738.6	30.53	775.4	26.8	— 2.9	82	e.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	S. W. Glenn.
Indianapolis, Indiana	29.36	745.7	30.18	766.6	38.7	3.7	66	e.	10	4.5	.....	.....	10 s	.....	e.	0.13	3.3	cloudy	C. F. R. Wappenhans.
Indianola, Texas	30.04	763.0	30.08	764.0	47.1	8.4	83	nw.	37	16.5	.....	0	0	.....	.....	0 42	10.7	clear	I. A. Reed.
Jacksonville Florida	29.88	758.9	29.92	760.0	71.0	21.7	92	e.	3	1.3	.....	.....	10 s	.....	e.	0	0	cloudy	J. W. Smith.
Keokuk, Iowa	29.57	751.1	30.24	768.1	36.5	2.5	75	ne.	14	6.3	.....	.....	10 s	.....	ne.	0.10	2.5	cloudy	F. Z. Gosewisch.
Key West, Florida	29.92	760 0	29.94	760.5	79.6	26.4	84	s.	5	2.2	.....	1 cs	1 k	sw.	s.	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	30.03	762.7	30.05	763.3	52.6	11.4	88	ne.	6	2.7	.....	3 c	0	ne.	.....	0	0	clear	Wesley Blake.
Knoxville, Tennessee	28.86	733.0	29.90	759.4	59.3	15.2	89	ne.	7	3.1	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.75	755.6	30.55	776.0	32.3	0.2	50	ne.	13	5.8	.....	6 c	0	.....	.....	inap.	inap.	fair	S. C. Emery.
Leavenworth, Kansas	29.28	743.7	30.19	766.8	36.5	2.5	89	ne.	10	4.5	.....	.....	10 n	.....	ne.	0.24	6.1	light rain	C. Dill.
Lewiston, Idaho	29.17	740.9	30.02	762.5	46.0	7.8	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.62	752.3	29.94	760.5	50.0	10.0	92	n.	8	3.6	.....	.....	10 s	.....	.....	0.46	11.7	cloudy	W. U. Simons.
Los Angeles, California	29.63	752.6	30.03	762.7	52.0	11.1	96	calm	0	0	.....	.....	fg.	.....	.....	0.01	0.3	dense fog	T. S. Collins.
Louisville, Kentucky	29.49	749.0	30.06	763.5	43.9	6.6	82	ne.	21	9.4	.....	.....	10 s	.....	ne.	0.02	0.5	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.35	745.5	30.06	763.5	55.0	12.8	90	ne.	4	1.8	.....	.....	10 s	.....	ne.	0.15	3.8	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.94	760.5	30.62	777.7	31.4	— 0.3	74	e.	14	6.3	.....	0	0	.....	.....	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	30.04	763.0	30.05	763.3	55.8	13.2	77	ne.	6	2.7	.....	9 cs	0	w.	.....	0	0	cloudy	William Daly.
Maginnis, Fort, Montana	25.69	652.5	30.19	766.8	30.8	— 0.7	52	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	F. Burke.
Marquette, Michigan	29.90	759.4	30.65	778.5	31.5	— 0.3	68	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.53	750.0	29.87	758.7	51.0	10.6	90	nw.	14	6.3	.....	.....	10 n	.....	.....	1.08	27.4	light rain	D. T. Flannery.
Milwaukee, Wisconsin	29.70	754.4	30.47	773.9	34.7	1.5	73	ne.	26	11.6	.....	0	0	.....	.....	0.20	5.1	clear	S. W. Rhods.
Mobile, Alabama	29.74	755.4	29.78	756.4	66.9	19.4	93	s.	1	0.4	.....	.....	10 s	.....	sw.	2.40	61.0	cloudy	H. U. Jones.
Montgomery, Alabama	29.54	750.3	29.77	756.1	66.8	19.3	92	se.	3	1.3	.....	.....	10 ks	.....	se.	0.36	9.1	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.53	750.0	30.56	776.2	29.9	— 1.2	64	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	L. M. Dey.
Mt. Washington, N. H.	23.74	603.0	30.15	765 8	31.2	— 0.4	100	nw.	24	10.7	.....	.....	fg.	.....	nw.	0.11	2.8	dense fog	E. A. Beals.
Nashville, Tennessee	29.28	743.7	29.86	758.4	55.5	13.1	83	ne.	14	6.3	.....	.....	10 n	.....	ne.	0.01	0.3	light rain	L. N. Jesunofsky.
New Haven, Connecticut	29.88	758.9	30.00	762.0	52.5	11.4	75	n.	9	4.0	.....	0	9 s	.....	n.	0	c	cloudy	J. H. Sherman.
New London, Connecticut	29.92	760.0	29.97	761.2	52.8	11.6	96	n	6	2.7	.....	.....	10 n	.....	nw.	0.09	2.3	light rain	J. G. Lynch.
New Orleans, Louisiana	29.74	755.4	29.80	756.9	65.5	18.6	91	nw.	11	4.9	.....	.....	10 s	.....	.....	1.65	41.9	cloudy	M. Herman.
New York, New York	29.84	757.9	30.02	762.5	54	12.2	72	nw	12	5.4	.....	2 cs	4 c	nw	nw.	0	0	fair	W. Flinn.
Norfolk, Virginia	30.00	762.0	30.03	762.7	57.5	14.2	72	nw.	5	2.2	.....	.....	10 ks	.....	nw.	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	27.40	695 9	30.36	771.1	31.6	— 0.2	78	n.	2	0.9	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	E. F. Brady.
Olympia, Washington Ter	29.88	758.9	29.92	760.0	40.0	4.4	82	calm	0	0	.....	0	5 s	.....	.....	0	0	fair	J. Dascomb.
Omaha, Nebraska	29.17	740.9	30.38	771.6	36.0	2.2	67	ne.	9	4.0	.....	0	9 s	.....	ne.	0.03	0.8	cloudy	A. Pollak
Oswego, New York	29.97	761.2	30.31	769.9	33.0	0.6	68	ne.	27	12.1	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	J. G. Linsley.
Palestine, Texas	29.50	749.3	30.06	763.5	44 2	6.8	100	nw.	14	6.3	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy	P. T. Jenkins.
Pensacola, Florida	29.75	755.6	29.78	756.4	69.2	20.7	84	s.	6	2.7	.....	3 cs	6 s	sw.	sw.	2.10	53.3	cloudy	M. McGauran.
Philadelphia, Pa	29.95	760.7	30.08	764.0	50	10.0	93	n.	16	7.2	.....	10cs; ck	0	nw.	.....	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.69	449.3	29.97	761.2	3.0	—16.1	83	n.	12	5.4	.....	0	0	.....	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.35	745.5	30.18	766.6	45.2	7.3	80	n.	13	5.8	.....	.....	10 s	.....	ne.	0	0	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	28.9	— 1.7	74	.....	.....	.....	.....	0	0	.....	.....	0	0	clear	Geo. A. Carden.
Port Huron, Michigan	29.69	754.1	30.39	771.9	31.0	— 0.6	88	ne.	28	12.5	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Portland, Maine	29.90	759.4	29.95	760.7	49.4	9.7	92	calm	0	0	.....	.....	fg.	.....	.....	0.07	1.8	dense fog	W. W. Eichelberger.
Portland, Oregon	29.82	757.4	29.89	759.2	54.2	12.3	82	n	2	0.9	.....	.....	10 s	.....	.....	0	0	cloudy	M. L. Hearne.
Prescott, Arizona	24.74	628.4	30.01	762.2	39.7	4.3	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Glover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. N. Kitchel.
Red Bluff, California	29.64	752.8	30.00	762.0	57.5	14.2	89	calm	0	0	.....	3 ck	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	30.00	762.0	30.24	768.1	52.4	11.3	77	nw.	8	3.6	.....	0	1 ks	.....	nw.	0.21	5.3	clear	L. G. Schultz.
Rochester, N. Y	29.67	753.6	30.36	771.1	32.7	0.4	69	ne.	16	7.2	.....	.....	10 n	.....	.....	0.02	0.5	cloudy	E. W. McGann.
Roseburg, Oregon	29.38	746.2	29.94	760.5	50.5	10.3	86	calm	0	0	.....	0	4 k	.....	s.	0	0	fair	J. J. Naury.
Sacramento, California	29.92	760.0	30.00	762 0	53.8	12.1	77	se.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. A. Barwick
St. Louis, Missouri	29.50	749.3	30.13	765 3	30.6	4.2	86	ne.	21	9.4	.....	.....	10 s	.....	ne.	0.03	0.8	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.93	760.2	29.96	761 0	12.3	—10.9	93	e	8	3.6	.....	0	0	.....	.....	0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	29.69	754.1	30.57	776.5	33.0	0.6	68	ne.	3	1.3	.....	1 cs	0	.....	.....	0	0	clear	P. F. Lyons.
St. Vincent, Minnesota	29.65	753.1	30.56	776.2	29.5	— 1.4	82	s.	4	1.8	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.68	652.3	30.05	763.3	46.4	8.0	54	se.	5	2.2	.....	0	3 k	.....	sw.	0	0	clear	J. Craig.
San Diego, California	29.90	759.4	29.97	761.2	55.2	12.9	94	n.	4	1.8	.....	.....	fg.	.....	.....	0	0	dense fog	F. R. Day.
Sandusky, Ohio	29.66	753.4	30.36	771.1	36	2.2	79	ne.	32	14.3	.....	.....	10 n	.....	ne	0.01	0.3	sleeting	B. F. Hough.
Sandy Hook, New Jersey	30.00	762.0	30.03	762.7	51.0	10.6	80	n.	22	9.8	.....	7 c	0	.....	.....	0	0	fair	V. P. Chappel.
Sanford, Florida	29.86	758.4	29.91	759.7	73.5	23.1	83	se.	4	1.8	.....	.....	10 ks	.....	se.	0	0	cloudy	J. B. Marbury
San Francisco, California	29.96	761.0	30.03	762.7	53.9	12.2	92	sw.	2	0.9	.....	1 cs	fg.	w.	.....	0	0	clear	N. Gorom.
Savannah, Georgia	29.84	757.9	29.93	760.2	66	18.9	92	e.	4	1.8	.....	.....	10 n	.....	e.	0.21	5.3	light rain	H. W. Ford.
Shaw, Fort, Montana	26.48	672 0	30.15	765.8	27	— 2.8	88	w.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	A. L. Mathews.
Shreveport, Louisiana	29.74	755.4	29.98	761.5	50.4	10.2	95	nw.	10	4.5	.....	.....	10 n	.....	nw.	0.30	7.6	light rain	E. N. Meekins.
Sitka, Alaska	29.80	750.9	29.87	758 7	43.0	6.1	75	nw.	4	1.8	.....	.....	10 ks	.....	nw.	0	0	cloudy	F. W. Fickett.
Smithville, North Carolina	29.96	761.0	30.00	762.0	61.3	16.3	73	e.	13	5.8	.....	.....	10 s	.....	s.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.94	709.7	30.00	762.0	40.0	4.4	82	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. Moore.
Springfield, Illinois	29.52	749.8	30.22	767.6	37.2	2.9	72	ne.	22	9.8	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	W. Norrington.
Stockton, Fort, Texas	27.22	691.4	30.25	768.3	30.5	— 0.8	73	nw.	3	1.3	.....	0	0	.....	.....	0.01	0.3	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.80	756.9	29.89	759.2	48.3	9.1	95	ne.	1	0.4	.....	0	9 ks	.....	.....	0.01	0.3	cloudy	R. Connor.
Thomas, Camp, Arizona	27.33	694.2	30.06	763.5	47	8.3	61	calm	.....	.....	0	0	0	.....	.....	0	0	clear	R. C. Lord.
Toledo, Ohio	29.63	752.6	30.34	770.6	35	1.7	65	n.	22	9.8	.....	.....	10 s	.....	e.	0	0	cloudy	A. Buell.
Unalashka, Alaska	29.70	754.4	29.72	754.9	25	— 3.9	73	s.	4	1.8	.....	0	0	.....	.....	0.07	1.8	clear	Samuel Applegate
Vicksburg, Mississippi	29.61	752.1	29.87	758.7	58.5	14.7	83	n.	15	6.7	.....	.....	10 s	.....	n.	0.61	15.5	cloudy	F. W. Mixer.
Washington, D. C	30.00	762.0	30.12	765.0	50.3	10.2	72	n.	10	4.5	.....	0	7 k	.....	nw.	0	0	fair	T. B. Harrison.
West Las Animas, Colorado	26.25	666.7	30.20	767.1	22.7	— 5.2	98	nw.	2	0.9	.....	0	0	.....	.....	inap.	inap.	clear	F. H. Brandenburg
Wilmington, N Carolina	29.95	760.7	30.01	762.2	59.5	15.3	78	e.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	L. H. Albrecht.
Yankton, Dakota	29.14	740.1	30.48	774 2	28.8	— 1.9	79	ne.	6	2.7	.....	7 c	0	.....	.....	0	0	fair	E. H. Thompson.
Yuma, Arizona	29.73	755.1	29.88	758.9	58.9	14.9	76	se.	1	0.4	.....	0	0	.....	.....	0	0	clear	W. S Delano.
Sub-series.																			
Behringlsland, Kamchatka	30.20	767.1	30.22	767.6	19.5	— 6.9	.....	nw	2	0.9	.....	1 k	0	sw.	.....	0.01	0.3	clear	George Oherwick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	86	30.0	.....	nw.	.....	.....	2	0	8 k	.....	ne.	1.00	25.4	raining	W. F. Jackson.
Bogota, U. S. C	22.44	569 9	.....	.....	51.8	11.0	86	s.	4	2	.....	1 cs	0	se.	.....	0.020	0.5	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.25	768.3	30.40	772.1	14	—10.0	80	sw.	28	12.5	.....	.....	10 s	.....	sw.	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	.....	.....	30.00	762.0	79	26.1	75	n.	1	0.4	.....	7 cs	0	.....	.....	0	0	fair	Robert Johnston.
Paramaribo, S. A	30.02	762.5	30.02	762.5	76	24.4	91	e.	.....	.....	2	5 ck	5 k	e.	e.	0.100	2.5	.....	D. C. J. Herms.
Puerto Berrio, U. S. C	29.51?	749.5?	30.07?	763.8?	75	23.9	94	n.	.....	.....	1	.....	1 k	.....	calm	0	0	clear	Francisco J. Olsun e s.
Rivas, Nicaragua, C. A	29.86?	758.4?	30.02?	762.5?	77	25.0	88	se.	.....	.....	1	.....	5 ks	.....	nw.	0	0	fair	Earl Flint.
York Factory, B. A	30.38	771.6	30.45	773.4	— 3.5	—19.7	82	n.	15	6.7	.....	.....	10 n	.....	n.	0.01	0.3	snowing	Fortescue & Wood.
U. S. of Colombia. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Nuos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic.																	
S. S. Arizona, N. 50° 46′, W. 19° 03′			50	10.0		wsw.			2	5		w.	0	0	sm'h		fair.
S. S. Alvo, Kingston, Jamaica, W.I *	29.97	761.2	79	26 1		ese.			4	5		ese.	0	0			fine.
S. S. Alps, N. 33° 10′, W. 74° 25′*†	29.95	760.8	71	21.7		nne.			1	2		n.	0	0	sm'h	une.	clear.
S. S. Anchoria, N. 40° 47′, W. 62° 51′						e.			2	3		e.	1 h'r	1 h'r	light	e.	fair.
S. S. Assyrian Monarch, N. 40° 45′, W. 64° 35′ †	29.74	755.4				ene.			4	3		e.	2 h'r	2 h'r	mod.	e.	clear.
S. S. Bothnia, N. 51° 22′, W. 15° 31′	29.99	761.7			100	ese.			1	2		ese.	0	0	sm'h		clear.
S. S. City of Washington, N. 21° 20′, W. 89° 38′ *†	29.90	759.4	82	27.8		s.			4	8		se.	0	0			cloudy.
S. S. Canada. (Br.) N. 41° 03′, W. 62° 48′†	29.82	757.4	51	10.6	100	nne.			2	10		calm	6 h'r	6 h'r	sm'h		foggy.
S. S. Cienfuegos, Cienfuegos, Cuba, W.I	29.96	761.0	74	23.3		e.			1	0			0	0			clear.
S. S. Canada, (Fr) N. 49° 40′, W. 17° 12′	30.02	762.4	53.6	12.0		calm			0	n.					sm'h		clear.
S. E. B. Sutton, N. 40° 00′, W. 73° 00′*†	29.95	760.7				nnw.			2	6		n.			sm'h		fair.
Bk. C. S. Bushnell, N. 41° 26′, W. 44° 00′	30.14	765.5				nne.			2	5		ne.	0	0	sm'h	ne.	hazy.
S. S. Eider, N. 46° 05′, W. 37° 53′ *	30.11	764.8	53.6	12.0		n.			2–3	3		n.	0	0	sm'h	ne.	clear
S. S Egypt, N. 44° 54′, W. 39° 28′			50	10 0		n.			2	5			¾ hr	¾ hr	sm'h	n.	fair.
S. S. Holland, N. 48° 40′ W. 15° 05′*	30.00	762 0	56	13.3		ene.			1	2		ene.	0	0	light	nw.	clear.
S. S. Lord Clive, N. 46° 43′, W. 36° 15′						n.			1	4		n.	0	0	sl't	n.	fine.
S. S. Lone Star, N. 24° 27′, W. 81° 40′†	29.88	758.9	78	25.6		n.			1	3		sw.	0	0	small	sw.	clear.
S. S. Llandaff City, N. 40° 05′, W. 69° 20′*†	29.89	759.2	48	8.9		n			6	10		n			mod	n.	foggy.
S. S. Madrid, N. 37° 36′, W. 73° 54′ †	30.03	762.7	51	10.6	93	nw.			4	0			0	0	sm'h	e.	clear.
S. S. Main, N. 40° 15′ W. 63° 20′	29.73	755 1	57.2	14.		e			2	6		e.	4 h'r	4 h'r	sm'h	e.	rainy.
S. S Nurnberg, N. 39° 46′, W. 68° 17′	29.81	757.2	44.6	7.0		n.			4	10		n.			sm'h	n.	foggy.
S. S. Nova Scotian, off Cambro, N. S	30.00	762.0	38	3.3		ne.			4	fg.					mod	ene.	dense fog.
S. S. Nessmore. N. 46° 53′, W. 29 25	30.14	765.5	54	12.2	87	nne.			4	2?		ne.	4 h'r	4 h'r	sm'h	n.	overcast.†
S. S. Normandie, N. 44° 50′, W 35° 36′			55.4	13.0		ne.			2	9		ne.	6 h'r	6 h'r	sm'h	ene.	raining.
S. S. Orinoco, Bermuda, Atlantic			70	21.1		nw.			2	2		nw.	4 h'r	4 h'r			clear.
S. S. Polynesian, N. 44° 26′, W. 63° 27′			34?	1.1?		ne.			4	10					mod.	ne.	foggy.
S. S. Rosse, N. 40° 30′, W. 58° 11′	29.88	758.9	64	17.8	83	e.			5	7		e.	0	0	short	e.	squally.
S. S. Rhaetia, N. 48° 32′, W. 28° 14′			46	7.8		w.			2	5?		nw.	light	light	mod.	nw.	cloudy.?
S. S. Rhein, N. 41° 26′, W. 61° 56′	29.83	757.7				ae.			3	8		se.	10 h'r	10 h'r	long	se.	raining.
S. S. State of Nebraska, N. 54° 13′, W. 15° 00′*†	30.03	762.7	48	8.9		nw.			2	4		w.	1 h'r	1 h'r	sm'h		blue sky.
S. S. Salier, N. 49° 05′, W. 17° 36′	30.01	762.2				e.			1–2	3		se.	1 h'r	1 h'r	mod.	nnw.	clear.
S. S. Valencia, N. 33° 55′, W. 72° 10′ †	29.97	761.2	64.5	18.1	73	n.			4	8		n.	0	0	mod.	ne.	cloudy.
S. S. Westernland, N. 49° 46′, W. 13° 38′	30.03	762.7	57	13.9	75	ene.			1	0			0	0	light	nw.	clear.
S. S. Waesland, N. 41° 08′, W. 55° 10′	30.03	762.7	53	17.2		sse.			6	7		s.	0	0	r'gh	se.	hazy.
S. S. Lessing, N. 40° 45′, W. 48° 40′	30.06	763 5	61	16.1		e.			4	5		e.	1½ hr	1½ hr	sm'h	ese.	fair.
Schr. Adda Doane, Port Antonio, Jamaica, W.I †	29.98	761.5				se.			1	1			0	0			clear.
S. S. America, N. 49° —′, W. 11° —′*	30.02	762.5	57	13.9		ne.			3	5		nne.	0	0	sm'h	n.	fair
Bg. Belle of the Bay, N. 35° 52′, W. 74° 37′						n.			6	6		nw.	0	0		ne.	fair.
S. S. Celtic, N. 47° 52′, W. 32° 18′ †	30.15	765.8				n.			3	8		ne.	0	c	high	n.	cloudy.
S. S. Caracas, Puerto Cabello, Venezuela*†	30.00	762.0	78	25.6	82	e.			1	0			½ h'r	½ hr	light	nne.	clear.
S. S. City of Merida, N. 19° 11′, W. 96° 08′			73.1	23.		n.			7	10		n.	2 h'r	2 h'r	light	n.	cloudy.
S. S. Chalmette, N. 33° 51′, W. 77° 20′ †	30.07	763.8	65	18.3		ene.			4	9		ne.	0	0	mod	ene.	cloudy.
S. S. Elysia, N. 44° 21′, W. 39° 12′*	30.10	764.5	54	12.2		ene.			3	9		ene.	0	0	sm'h		fine.
S. S. Erin, N. 40° 34′, W. 53° 20′	30.04	763.0	60	15.6		se.			5	2		se.	5 h'r	5 h'r	mod.	ese.	fair.
S. S. Foscolia, N. 28° 56′ W. 64° 37′ †	29.74	755.4	72	22.2		wnw.			5	2		nw.	½ h'r	½ h'r	h'vy	nw.	fine.
S. S. Grecian, N. 49° 02′, W. 35° 15′	30.10	764.5	47	8.3	70	n.			3	8		n	0	0	sm'h		cloudy.
Bg. Lillian, Demerara, British Guiana †	29.95	760.7				ne.			3	10			4 h'r	4 h'r			cloudy.
S. S. Muriel, N. 36° 00′, W. 71° 50′	29.85	758 2	62	16.7		nnw.			4	10			0	0	r'gh	n.	cloudy.
S. S. Neckar, N. 49° 57′, W. 4° 54′	29.97	761.2	48.2	9.0		ne.			2	0			0	0	sm'h		clear.
S. S. Ontario, N. 44° 19′, W. 41° 28′	30.17	766.3	54	12.2	100	ese.			1	10			8 h'r	8 h'r	sm'h	e.	overcast.
S. S. Pennsylvania, Liverpool, Eng			50	10.0	79	s.			4	6		s.	0	0			fair.
Bk. Tros, N. 37° 04′, W. 74° 20′			48	8.9		nnw.			2	3?		nnw.	0	0	mod.	n.	cloudy?
S. S. Werra, N. 46° 20′, W. 34° 00′*	30.09	764.3	48.2	9.0		ne.			3	6?		ne.	0	0	sm'h	ne.	overcast.?
U. S. S. Alliance, Key West, Fla	29.94	760.5	80	26.7	87	sw.			1	2			0	0	sm'h		fair.
U. S. S. Galena, Frederickstad, Santa Cruz, W. I*	29.98	761.5	73	22.8	85	ne.			1	2		ne.			sm'h		fair.
U. S. S Jamestown, St. Kitts, W. I.	30.07	763.8	79	26.1	62	ne.			1	2					sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.83	757.7	69	20.6	65	wnw.			4	0							clear.
U. S. S. Lancaster, Smyrna, Turkey	29.82	757.4	72	22.2	80	wsw.			3	2		nw.			sm'h		fair.
U. S. S. New Hampshire, Newport. R. I	29.96	761.0	47	8.3	70	ne.			2	10							cloudy.
U. S. S. Ossipee, Norfolk, Va*	30.02	762.5	56	13.3	75	nw.			1	8		calm					fair.
U. S. S. Pensacola, N. 12° 53′, W. 56° 42′	30.04	763.0	80	26.7	74	ene.			3	5		e.	0	0	long	e.	fair.
U. S. S. Port-mouth, N 38° 05′, W. 73° 55′			48	8.9	100	nw.			4	8		nw.			sm'h		fair.
U. S. S. Powhatan, Newport, R. I	29.93	760.2	48	8.9	100	nne.			1	10							foggy.
U. S. S. Quinnebaug, Alexandria, Egypt	29.84	757.9	71	21.7	80	ne.			1	0					sm'h		clear.
U. S. S. Saratoga, Lisbon, Portugal	29.54	750.3	62	16.7	61	wsw.			2	8		w	hv'y	hv'y	sm'h		cloudy.
U. S. S. Swatara, Matanzas, Cuba, W.I	29.94	760.5	76	24.4	95	calm			0	0			0	0	sm'h		clear.
U. S. S. Tennessee, Key West, Fla	29.92	760.0	79	26.1	91	ssw.			6	8?		calm	0	0	sm'h		clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I	29.93	760.2	75	23.9	90	w.			1	0							clear.
U. S. S Yantic, Havana, Cuba, W.I	29.96	761.0	75	23.9	90	sse.			1	2							fair.
U. S. Navy Yard, Portsmouth, N. H*	29.86	758.4	48	8.9	92	calm	0	0		10		nw.	0.2	5.			cloudy.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′			70	21.1	61	ssw.			1		2	ssw.					d. clouds.
H. M. S. Alecto, N. 5° 23′, W. 0° 23′	29.79	756.7	85	29.4		ssw.			3	5					4	ssw.	d. clouds.
H. M. S. Inflexible, Corfu, Ionian Islands	29.89	759 2	65	18.3	94	w.			3	3		wsw.			2	s.	d. clouds.
H. M. S. Minotaur, N. 36° 00′, E. 14° 30′			66	18.9	74	ene.			1	3		wsw.					d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.79	756.7	83.8	28.8	83	wnw.			4	8		nw.	2 h'r	2 h'r	3	se.	gloomy.
S. S. British Crown, N. 38° 50′, W. 69° 38′†	29.83	757 7	48	8.9		n			4	9		n.	0	0	sl't	n.	misty.
S. S. Ohio (Am), N. 48° 27′, W. 22° 50′†	30.06	763.5	51.5	10.8	76	calm			0	0		ne.	4 h'r	4 h'r	mod.	nne.	clear.?
S. S. Scandinavian, N. 42° 12′, W. 62° 56′	29.82	757.4	49	9.4		ene.			3	fg.			0	0	mod.	e.	foggy.
S. S. Athos, N. 12° 36′, W. 76° 12′						sw.			2	5?		ese.	0	0	mod.	ene.	clear ?
S. S. Dorian, N. 42° 40′, W. 68° 00′	29.87	758.7	46	7.8		e.			2	10			0	0	sl't	e.	foggy
S. S. St. Laurent, N. 46° 52′, W. 66° 50′	29.82	757 4	46.4	8		n.			3				2 h'r	2 h'r	sm'h		misty.
S. S. Westphalia, N. 40° 06′, W. 71° 50′	29.87	758.7	58	14.4		n.			3	5?		n.	0	0		n.	clear.?
S. S. Hammonia, Cherbourg, France	29.94	760.5	46	7.8		nne.			6	2		nne.	0	0	sm'h		clear.
S. S. Venetian, Boston, Mass *	29.92	760.0	43.2	6.2		ne.			3	10			7 h'r	7 h'r	sm'h		foggy.
S. S. Hevelius, Liverpool, Eng †	29.99	761.7	48	8.9		nne.			3	3?		n.	0	0			cloudy?
S. S. Sirius, Lisbon, Portugal	29.55	750.6				sw.			3	5		sw.	10 h'r	10 h'r			
S. S. Teniers, N. 35° 40′, W. 14° 40′	29.40	748.3	64.1	17.8	75	ssw.			6	c;ck	k	ssw.			4	ssw.	d. clouds.
S. S. Archimede (It), Messina, Sicily			72	22.2		ne.			2			ne.	0	0			clear.
S. S. Gottardo, N. 35° 28′, W. 29° 06′ *†	30.08	764.0	64	17.8		n.			5	5		n.	1 h'r	1 h'r		var	
S. S. Strassburg. N. 38° 06′, W. 14° 12′	29.47	748.5			56	ssw.			2	5		sw.	4 h'r	4 h'r	5	n.	cloudy.
S. S. Rhynland, N. 47° 32′, W. 24° 39′ *†	30.08	764.0	56	13.3	87	ene.			1	1		ene.	1 h'r	1 h'r	mod	n.	clear.
S. S. Pennland, Antwerp, Belgium *†	29.88	758.9	41	6.7		ene.			3	7		ene.	0	0			fair.
S. S. Amsterdam, N. 41° 00′, W. 51° 55′			53.6	12.0	90	se.			2	4		e.	0	0	light	var.	misty.
S. S. W. A. Scholten, N. 49° 14′, W. 12°32′	30.02	762 5	53.2	11.8	67	ene.			2	4		ne.	0	0	5	ne.	fair.
S. S. Britannic, N. 41° 00′, W 60° 35′			58	14 4		se.			2	4		s.	2 h'r	2 h'r	mod.	e.	d. clouds.
S. S. Salerno, N. 41° 32′, W. 45° 02′			65	18.3		ne.			1	5		ne.	0	0	sm'h	ne.	fine.
Bg. Aleira, Maracaybo, Venezuela			83	28.3		sse.			1	4?		calm	0	0			cloudy?
S. S. Antonio Lopez, N. 36° 01′, W. 7° 26′	29.68	753.9	58.5	14.7	91	s.			4	10			4 h'r	4 h'r	mod.	s.	light rain.
Schr. Arthur Burton, Arroyo, Porto Rico, W. I †	30.07	763.8				calm			0	2		ene.	0	0	chop	sse.	fine.
Schr. Annie R. Lewis, Porto Plata, SanDomingo, W.I†	29.96	761.0	79	26.1		se.			1	0			0	0			clear.
Schr. Annie A. Holton, N 23° 40′, W. 83° 57′			82	27.8		s.			4	2		s.	0	0	mod.	sw.	clear.
Bk. Arreola, N. 0° 29′, W. 26° 25′†	29.93	760.2	86	30.0	76	calm			0	3			3 h'r	3 h'r	mod.	s.	fine.
Bg. Abbie Clifford, Port of Spain, Trinidad, W. I †	29.92	760.0	78	25.6		calm			0	9		e.	1 h'r	1 h'r			h'vy clouds.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bgt. Achsah, N. 39° 10′, W. 65° 45′ †	29.80	756.9				n.			4		8		nne.	1 h'r	1 h'r	mod.	cross	fair.
S. Annie, Bayonne, N. J	30.03	762.7				n.			2		5		w.					fair.
Bk. Adelaide, N. 28° 37′, W. 70° 11′			70	21.1		n.			4		0			4 h'r	4 h'r	light	n	clear.
Schr. Abbie H. Gheen, Wilmington, Del*†	30.10	764.5	57	13.9		n.			3									clear.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana			78	25.6		calm			0		8			6 h'r	6 h'r			cloudy.
Bk. Charles Stewart, N. 38° 10′, E. 9° 14′						calm			0		3		e.	0	0	mod.	w.	fair.
S. Cornelius, N. 19° 19′, W. 37° 16′*†	30.15	765.8	77.4	25.2		ne.			1		5			0	0	sm'h		fair.
Bk. Diamant, N. 44° 41′, W. 20° 10′	29.83	757.7	54.5	12.5	68	ene.			5		5?		ene.	1 h'r	1 h'r	4	ene.	cloudy.?
S. E. J. Spicer, N. 43° 47′, W. 26° 00′	29.96	761.0	56	13.3	94	ene.			3		5		ene.	4 h'r	4 h'r	mod.	ene.	fair.
Bk. Fred. W Carlon, N. 32° 18′, W. 72° 36′†	29.99	761.7	70	21.1		nw.			4		2		n.	0	0	mod	e.	clear.
S. Ismir, N. 25° 06′, W. 67° 05′						w.			2		3		w.	0	0	sm'h		fine.
Bk. Gloire, N. 43° 05′, W. 37° 31′	30.16	766.1	55	12.8	80	ne.			2				ne.	rain	rain	short	e.	cloudy.
S. Grecian, N. 48° 24′, W. 7° 10′ †	29.93	760.2	50	10.0	79	e.			4		10		ese.	0	0	sm'h		cloudy.
S. Hedwig, N. 38° 18′, E. 8° 40′	29.83	757.6	65.1	18.4	88	calm			0		5		wsw.	0	0	2	wsw.	
Bk. Hattie G. McFarland, Pascagoula, Miss			72	22.2		sw.			5		10		s.	6 hr	6 hr			stormy.
S. Henry, N. 38° 09′, E. 8° 48′*†	29.79	756.7	62.1	16.7		e.			2	6 ck						2-3	w.	fair.
Bk. Ibis, N. 32° 35′, W. 71° 04′			66	18.9		e.			4		5		e.	0	0	mod.	ssw.	fine.
Schr. Jennie N. Huddell, Blackistone Id, Md†	30.08	764.0	50	10.0		n.			3		2		nw.	0	0			clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	29.98	761.5				s.			1		1			0	0			hazy.
Bg. John Welsh, jr, N. 21° 10′, W. 69° 20′†	30.07	763.8				calm			0		0					sm'h	se.	clear.
Schr. John Bird, N. 32° 17′, W. 74° 57′						e.			1		10		ene	3 h'r	3 h'r	short	s.	overcast.
Schr. Jenny Greenbank, Baracoa, Cuba, W. I*	30.02	762.5	76.0	24 4		calm			0		2		e.	0	0	sm'h		clear.
Schr. Jenny R. Morse, Darien, Ga†	29.95	760.7				sse.			2		10		s.	2 h'r	2 h'r			
Lighthouse Tender Laurel, Key West, Fla†	29.93	760.2	79	26.1		sse.			1		6		sse.	0	0			fair.
Bg. L. F. Munson, N. 32° 10′, W. 71° 35′*†	29.98	761.5	67	19.4		nnw.			3		4		nw.	0	0		nne.	fair.
Bkt. Levanter, N. 12° 42′, W. 57° 45′	30.00	762.0	81	27.2		ene.			4		3		e.	0	0	mod.	e.	fair.
Bkt. Levi S. Andrews, N. 37° 50′, W. 60° 40′*†	29.72	754.9	64.0	17.8		s.			6		10		sw.	4 h'r	4 h'r	mod	se.	rainy.
S. S. Mendoza, N. 40° 49′, W. 68° 28′ †	29.90	759.4				nnw.			2		fg.			0	0	mod.	ne.	foggy.
Schr. Martinique, N. 12° 29′, W. 59° 07′*†	30.05	763.3				ne.			2					0	0	sm'h		fine.
Schr. Norena, Ponce, Porto Rico, W. I†	29.95	760.7				nne.			1		2		ene.	0	0	sm'h		
Bk. Rosalie, N. 18° 57′, W. 52° 30′*†	30.03	762.7				ese.			2		0			0	0	light	nnw.	clear.
Bk. Rosina, N. 36° 25′, W. 15° 20′	29.31	744.5	61	16.1		ssw.			8		10			12 h'r	12 h'r	r'gh	sw.	
Bkt. Rosebud, N. 3° 15′, W. 26° 05′*	29.93	760.2	80	26.7		nne.			2		8		var.	4 h'r	4 h'r	sm'h		gloomy.
S. Salisbury, N. 37° 04′, E. 11° 04′	29.80	757.0	62.1	16.7	85	s.			6	6 c			s;sw.	½ h'r	½ h'r	long	s.; e.	fair.
Bk. Saga, N. 47° 58′, W. 23° 35′†	30.06	763.5	58.5	14.7					1-2		4			0	0	4		fair.
Bk. Sunbeam, N. 26° 11′, W. 23° 04′†	30.00	762.0	69	20.6	82	wsw.			6		5		wsw.	1 h'r	1 h'r	mod.	wsw.	fair.
Bgt. Sunlight, N. 35° 50′, W. 67° 11′†	29.70	754.4				nnw.			4		4		nne.	0	0	sm'h		fair
Bg. Teneriffe, N. 20° 17′, W. 76° 51′	29.99	761.7				calm			0		0			0	0			
Schr. Viola Reppard, Sagua la Grande, Cuba, W. I†	30.02	762.5	78	25.6		calm			0		0			0	0			clear.
Bk. Winifred, N. 34° 47′, W. 61° 30′*†	29.80	756.9												0	0		sw.	
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 19° 18′, W 15° 29′	29.83	757.7	75	23.9	81	se.	4	1.8			5		se.	0	0	long	se.	fair.
H. M. S. Amethyst, Colonia, Uruguay	29.88	758.9	61	16.1	88	w.			2		4		so.					d. clouds.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.05	763.3	66	18.9		se.			1		1		ese.					blue sky.
H. M. S. Sylvia, Simons Bay, Cape Colony	29.99	761.7	72.5	22.5	65						0							blue sky.
Bk. Achille F., S. 35° —′, W. 51° 30′ *†	29.87	758.7	64	17.8	86	s.			4		7		se.	3 h'r	3 h'r			
S. Frank N. Thayer, S. 41° 51′, E. 100° 52′ *	29.95	760.7	57	13.9	87	n.			6	5 cs		sw.		4 h'r	4 h'r	mod.	wsw.	d. clouds.
S. Gatherer, S. 48° 15′, W. 56° 50′†	29.40	746.7	47	8.3		wsw.			2		8		w.	2 h'r	2 h'r	sm'h	nw.	cloudy.
S. Ringleader, S. 27° 20′, W. 33° 30′†	30.00	762.0	82	27.8	75	n.			3		3		n.	0	0	long	s.	clear.
S. S. Archimedes, (Br.) S. 9° 40′, W. 34° 34′	29.95	760.7				se.			4		3		ene.	0	0	mod.	e.	fair.
Bk. Xenia, S. 41° 07′, W. 1° 18′*†	30.00	762.0	56	13.3		wsw.			4		1		calm	2 h'r	2 h'r	mod.	nw.	clear.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.84	757.8	77.0	25.0	69	wnw.			2		1			0	0	2		blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska†	29.88	758.9	42	5.6	82	nnw.			1		10							cloudy.
U. S. Naval Hospital, Yokohama, Japan	29.96	761.0	62	16.7	51	sw.			5		10		w.	0	0			cloudy.
U. S. S Alert, Shanghai, China	29.76	755.9	63	17.2	94	e.			2		0							foggy.
U. S. S. Enterprise, Canton river, China	29.77	756.1	79	26.1	82	calm			0		5		calm					fair.
U. S. S. Essex, N. 8° 20′, E. 165° 20′	29.99	761.7	80	26.7	82	ne.			4		2					sm'h	ne.	clear.
U. S. S. Juniata, Fernando Island, Coren	29.83	757.7	51	10.6	86	n.			2		0			0	0			clear.
U. S. S. Monocacy, Canton, China	29.78	756.4	79	26.1	74	n.			2		8		n.; w.	0	0			cloudy.
U. S. S. Ranger, Fonseca Bay, C. A.	29.94	760.5	79	26.1	82	n.			1		5?			1.5	38.	sm'h		cloudy?
U. S. S. Richmond, Singapore, Malay Peninsula	29.88	758.9	80	26.7	96	sse.			2		8		s.	0	0			cloudy.
U. S. S. Trenton, Singapore, Malay Peninsula	29.88	758.9	82	27.8	96	ene.			1		8							fair.
H. M. S. Audacious, Hong Kong, China	29.82	757.4	75	23.9	95	calm			0		0							blue sky.
H. M. S. Cleopatra, N. 31° 22′, E. 121° 29′	29.69	754.1	61	16.1	94	ene.			2							4	nne.	foggy.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	29.80	759.9	03.4	17.4	94	nw.			1		10						sw.	overcast.
H. P. M. S. Famega, Macao, China	29.84	757.8	77.9	25.5	83	calm			0		8			1 h'r	1 h'r			showery.
U. S. S. Palos, Shanghai, China	29.75	755.6	00	15.0	100	e.			1									foggy.
S. S. Newbern, Mazatlan, Mexico*†	29.92	760.0	65	18.3	73	nw.			3		4		wnw.	0	0	small	sw.	clear.
S. S. City of Chester, San Francisco, Cal †	30.05	763.3	53	11.7	86	calm			0		10			0	0			
S. S. Columbia, N. 40° 49′, W. 124° 34′ *†	29.96	761.0	52	11.1	93	sse.			3		10		sse.	0	0	light	sse.	rainy.
S. S. Oregon, San Francisco, Cal †	30.06	763.5	54	12.2	93	calm			0		0							hazy.
S. S. Oceanic, N. 29° 08′, E. 129° 36′	29.86	758.4	72	22.2	90	ssw.			6		10		sw.	8 h'r	8 h'r	4		cloudy.
S. S. Alameda, N. 24° 05′, W. 152° 02′†	30.15	765.8	68	20.0		var.			2		1		s.	6 h'r	6 h'r	light	nw.	
S. S. Orizaba, N. 37° 24′, W. 122° 33′†	30.07	763.8	55	12.8	81	w.			2		10		sw.	4 h'r	4 h'r	light	w.	overcast.
S. S. City of Pekin, N. 40° 10′, W. 152° 50′†	29.64	752.8	44	6.7	60	n.			4		10		n.	0	0	light	nw.	cloudy.
S. S. City of Rio de Janeiro, Yokohama, Japan †	29.96	761.0	04	17.8		s.			2		9		ssw.					dull.
S. S. City of Sydney, N. 37° 33′, W. 122° 37′*†	30.02	762.5	57	13.9	88	sse.			1		2		se.			light	wnw.	clear.
S. S. City of Tokio, N. 37° 37′, W. 168° 12 †	30.06	763.5	57	13.9	46	nw.			1		10		unw.	8 h'r	8 h'r	long	nw.	misty.
S. S. Colima, N. 9° 10′, W. 84° 24′†	29.91	759.7	78	25.6	91	se.			2		7		se.	0.05	1.3	mod.	s.	cloudy.
S. S. San Blas, N. 14° 12′, W. 92° 00′			77	25.0	95	ne.			3		8		calm	0	0			cloudy.
S. S. San José, N. 23° 10′, W. 106° 25′ †	29.86	758.4	70	21.1	85	ne.			2		0			0	0	small	nw.	clear.
S. S. Zealandia, N. 21° 22′, W. 157° 30′	30.09	764 3	71	21.7	80	nne.			4		8		se.					cloudy.
S. S. Benalder, N. 22° 15′, E. 115° —′	29.81	757.2	74	23.3	76	s.			2		4		s.	8 h'r	8 h'r	sm'h		hazy.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao, Peru	29.99	761.7	70	21.1	95	se.			2		10					sm'h		cloudy.
U. S. S. Lackawanna, Callao, Peru	29.96	761.0	71	21.7	85	se.			2		10							cloudy.
U. S. S. Onward, Callao, Peru *†	30.06	763.5	70	21.1	100	se.			2		10		se.			long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.96	761.0	57	13.9	94	calm			0		10		calm					foggy.
U. S. S. Shenandoah, S. 53° 10′, W. 73° 24′*	29.55	750.6	44	6.7	100	e.			1		5					sm'h		fair.
U. S. S. Wachusetts, Valparaiso, Chili	29.97	761.2	56	13.3	100	calm			0		10		calm			sm'h		overcast.
H. M. S. Nelson, Sydney, N. S. W	29.88	758.9	63	17.2	89	w.			1		6							d. clouds.
H. M. S. Sappho, Valparaiso, Chili	29.94	760.5	58	14.4	100	var.			1		9	w.						misty.
H. M. S. Kingfisher, S. 29° 50′, W. 71° 20′	30.01	762 2	59	15.0		calm			0		10							misty.
S. S. Australia, Sydney, N. S. W *	29.79	756.7	68	20.0	90	var.			2		6		ssw.	1 h'r	1 h'r			thund'r st'm.
District No. 5—Indian Ocean.																		
H. M. S. Euryalus, Massuah, Abyssinia	29.77	756.1	85	29.4	87	nne.			2		8	calm						gloomy.
H. M. S. Magpie, S. 6° 23′, E. 63° 15′	29.86	758.4	84.0	28.9	77	s.			2		0					2	se.	blue sky.
S. S. Bracadale, N. 7° 40′, E. 72° 00′			88	31.1		ne.			3		0			0	0	light	se.	clear.
Bk. Childwall, off Kingston, N. S. W*.	29.03	752.6	60	15.6	94	wsw.			6		10			4 h'r	4 h'r			overcast.
S. J. W. Gildemeister, S. 24° 21′, E 59° 43′	29.96	761.0	80.6	27	73	nw.			3-5	6 cs		nw.		0	0	5	var.	d. clouds.
Bk. Nouva Margherita, S. 21° 06′, E. 80° 53′ *†	29.90	759.4				ene.			4				ne.	0	0			fair.
S. S. Lepanto, Bombay, India	29.83	757.7	86	30.0		nne.			3		3		ne.	0	0			clear.

International Chart I. April 21, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 22, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.72	755.0	74.5	23.6	64	n	.....	.....	1	.....	3	.....	.....	0	0	pretty fair...	Roziere.
Algiers	.....	.....	29.74	755.5	66.2	19.0	63	wnw.	.....	.....	6	.....	0	.....	.....	0	0	clear.....	Théve
La Calle	.....	.....	29.73	755.2	65.8	18.8	68	nnw.	.....	.....	3	.....	6	.....	.....	0	0	cloudy.....	Fonfrède.
Tunis	.....	.....	29.77	756.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.85	758.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.79	756.7	81.7	27.6	.....	s.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	Abraham.
Biskra	.....	.....	29.77	756.1	88.2	31.2	33	e.	.....	.....	1	.....	2	.....	.....	0	0	fair.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	29.93	760.2	59.5	15.3	90	sw.	7	3.1	.....	.....	9 k	.....	.....	0.005	0.1	cloudy	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.53	750.0	29.72	754.9	55.5	13.1	91	w.	5	2.2	.....	.....	8	.....	w.	0.01	0.3	cloudy.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.71	754.6	29.80	756.9	57.6	14.2	77	wnw.	4	1.8	.....	.....	2	.....	.....	0	0	fine.....	R. L. J. Emery.
AUSTRO-HUNGARIAN.																			
Agram	29.26	743.1	29.80	757 0	54.3	12.4	66	e.	.....	.....	2	.....	10	.....	.....	0.177	4.5	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.03	737.4	29.81	757.1	44.6	7.0	55	nw.	2.5	1.1	.....	.....	10	.....	.....	0	0	.....	Dr. Wierzbiski
Eperies	28.89	733.9	29.76	756.0	54.0	12.2	54	n.	.....	.....	2	.....	10 ks	.....	.....	0	0	.....	Julius Mikolik.
Gratz	28 60	726 4	29.87	758.6	44.2	6.8	70	e.	.....	.....	2	.....	10	.....	.....	0.136	3.5	.....	Andreas Rospini.
Hermannstadt	28 42	721.9	29.84	757.8	57.0	13.9	59	nw.	.....	.....	2	.....	10	.....	.....	0.134	3.4	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.43	722.0	29.78	756.3	46.4	8.0	69	e.	.....	.....	2	.....	7	.....	.....	0.276	7.0	.....	The Staff.
Lemberg	28.82	731.9	29.80	757.0	48.9	9.4	60	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.65	753.2	29.76	756.0	59.5	15.3	80	sse.	.....	.....	5	.....	10	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.32	744.6	29.78	756.4	50.9	10.5	79	nw.	.....	.....	3	.....	9	.....	.....	0.043	1.1	.....	Joseph Midlinszky, S. J
Szegedin	29.51	749.5	29.79	756.6	57.2	14.0	67	sw.	.....	.....	1	.....	10	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.67	753.6	29.77	756.1	60.6	15.9	71	nw.	.....	.....	1	.....	10	.....	.....	0.480	12.2	.....	Royal Academy.
Vienna	29.13	740.0	29.86	758.4	46.0	7.8	59	e.	.....	.....	1	.....	9	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	36.3	2.4	92	ene.	.....	.....	4	.....	6	.....	.....	0.205	5.2	snowing.....	
Brussels	29.72	754.8	29.92	760.0	41.9	5.5	58	ene.	.....	.....	4	5	5	ne.	ne.	0	0	.....	
Furnes	29.92	760.0	29.94	760.5	.....	.....	.....	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Maeseyck	29.80	756.9	29.93	760.1	49.1	9.5	58	n.	.....	.....	2	.....	7	.....	.....	0.012	0.3	.....	
BRITISH.																			
Aberdeen	30.00	762.0	30.10	764.5	44.0	6.7	74	sse.	19	8.5	.....	.....	6	.....	.....	0.060	1.5	d. clouds.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	30.06	763.5	48.1	8.9	43	ese.	11	4.9	.....	.....	3	.....	.....	.....	.....	blue sky.....	John Hartnup.
Bolton, Sharples	29.51	749.5	30.05	763 3	44.6	7.0	57	ese.	6	2.7	.....	.....	5	.....	.....	.....	.....	misty.....	Thomas Mackereth.
Bradford, Yorkshire	29.66	753.4	30.06	763.5	45.3	7.4	52	e.	.....	.....	2	.....	6	.....	.....	0.01	0.3	d. clouds.....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.96	761.0	29.99	761.7	82.0	27.8	75	ne.	.....	.....	2	.....	8	.....	.....	.....	.....	overcast.....	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	45.6	7.6	60	e.	.....	.....	0.4	.....	5	.....	.....	.....	.....	d. clouds.....	John McLaren.
Chatham, School M. E	29.81	757.2	29 99	761.7	46.1	7.8	62	ene.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds.....	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.79	756.7	30.02	762.5	45.2	7.3	46	ne.	.....	.....	3	.....	1	.....	.....	.....	.....	blue sky.....	The Staff.
Fort Napier, Natal	27.66	702.6	29.97	761.2	70.8	21.6	38	ne.	.....	.....	1	.....	1	.....	.....	blank	blank	blue sky.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.93	760.2	29.97	761.2	51	10.6	72	nw.	.....	.....	1	.....	0	.....	.....	0	0	blue sky.....	Wm. Ryan.
Gibraltar, Mediterranean	29.55	750.6	29.05	753.1	64.0	17.8	93	w.	.....	.....	5	.....	8	.....	.....	.....	.....	raining	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.82	757.4	30.00	762.0	44.6	7.0	72	ene.	.....	.....	4	.....	10	.....	.....	.....	.....	drizzling.....	The Staff.
Guernsey	29.67	753.6	29.97	761.2	47.5	8.6	59	e.	.....	.....	2	.....	6	.....	.....	0.02	0.5	d. clouds.....	A. Collenette, F.R.M.S
Kew, Observatory	29.97	761.2	30.01	762.2	45.3	7.4	39	ne.	18	8.0	.....	.....	8	.....	.....	.....	.....	d. clouds.....	The Staff.
Leicester, Museum	29.79	756.7	30.05	763.3	44.7	7.1	58	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds.....	J. C. Smith.
Malta, Mediterranean	29.69	754.1	29.76	755.9	69.4	20.8	69	se.	.....	.....	3	.....	6	.....	.....	0	0	d. clouds.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.95	760.7	30.00	762.0	82.2	27.9	69	s.	.....	.....	4	.....	4	.....	.....	.....	.....	d. clouds.....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.80	756.9	30.02	762.5	46.2	7.9	51	ne.	.....	.....	4	.....	7	.....	.....	.....	.....	d. clouds.....	The Staff.
Plymouth	29.92	760.0	30.00	762.0	48.4	9.1	50	e.	.....	.....	5	.....	3	.....	.....	.....	.....	d. clouds.....	John Merrifield.
Sandwick Manse, Orkneys	29.94	760.5	30.04	763.0	45.9	7.7	77	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	blue sky.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.80	750 9	29.86	758 4	70.0	21.1	40	sw.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds.....	W. H. Lyne.
Sheffield	29.79	756.7	30.08	764.0	49.8	9.9	46	ne.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds.....	W. F. Cooper.
Silloth Rectory	30.04	763.0	30.06	763.5	47.5	8.6	79	w.	.....	.....	1	.....	8	.....	.....	0	0	d. clouds.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	30.07	763.8	45.2	7.3	50	ese.	4	1.8	.....	.....	7	.....	.....	0	0	d. clouds.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	47.6	8.7	46	e.	.....	.....	2.0	.....	7	.....	.....	.....	.....	d. clouds.....	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.96	761.0	29.99	761.7	53.2	11.8	65	sse.	19	8.5	.....	.....	8	.....	.....	.....	.....	misty.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.40	746.7	29.78	756.4	70.5	21.4	62	s	7.5	3.4	.....	9 c	0	w.	.....	0	0	misty.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.84	757.9	29.95	760.7	73.2	22.9	74	e.	6	2.7	.....	4 ck	.....	.....	.....	0.017	0.4	d. clouds.....	The Staff.
CANADIAN.																			
Bathurst, N. B	29.99	761.7	30.03	762.7	37.0	2.8	.....	calm	0	0	.....	.....	10 n	.....	.....	0.27	6.9	misty.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.94	760.5	29.98	761.5	44	6.7	97	e.	12	5.4	.....	.....	10 n	.....	.....	0.070	1.8	cloudy.....	H. J. Cundall, C. E.
Chatham, N. B*	29.93	760.2	29.99	761.7	37	2.8	96	ne.	4	1.8	.....	.....	10 n	.....	ne.	0.73	18.5	cloudy	G. A. Blair.
Cornwall, Ontario	29.97	761.2	30.17	766.3	35.1	1.7	58	n	.....	.....	1	1 cs	0	.....	.....	0	0	blue sky.....	Jas. Smith, M. A.
Dalhousie, N. B	29.98	761.5	30.03	762.7	30.0	2.2	.....	calm	.....	.....	0	.....	10 n	.....	.....	1.16	29.5	raining.....	H. A. Johnson.
Father Point, Quebec*	29.97	761.2	29.99	761.7	32	0.0	96	n.	12	5.4	.....	.....	10 n	.....	.....	0.05	1.3	sleeting.....	J. McWilliams
Fort Garry, Manitoba*	29.56	750.8	30.44	773.2	34	1.1	85	s.	11	4.9	.....	0	hz.	.....	.....	0	0	hazy.....	James Stewart.
Fredericton, N. B	29.92	760.0	29.99	761.7	35.0	1 7	90	nw.	8	3.6	.....	.....	10 n	.....	.....	0.110	2.8	drizzling.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.90	759.4	29.95	760.7	35	1.7	96	n.	18	8.0	.....	.....	fg	.....	.....	0.08	2.0	light rain....	J. Chipman Seeley
Granton, Ontario	29.17	740.9	30.32	770.1	34.0	1.1	71	n.	2	0.9	.....	2 c	0	e.	.....	0	0	blue sky.....	Jas. Grant.
Halifax, N. S*	29.83	757.7	29.96	761.0	41	5.0	96	ne.	8	3.6	.....	.....	fg.	.....	.....	0.863	21.9	heavy rain..	A. Allison.
Hamilton, Ontario	29.87	758.7	30.29	769.4	36.0	2.2	90	ne.	.....	.....	3	4 c	0	ne.	.....	0	0	d. clouds.....	Geo. Dickson, B. A.
Kingston, Ontario*	29.91	759.7	30.26	768.6	35	1.7	69	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	A. P. Knight, M. A
Little Glace Bay, N. S	30.10	764.5	30.14	765 5	42.2	5.7	90	s.	.....	.....	2	5 c	0	sw.	.....	0	0	d. clouds.....	C. H. Rigby.
London, Ontario	29.40	746.7	30.34	770.6	34.8	1.6	52	e.	.....	.....	1	2 ck	4 ks	.....	.....	0	0	d. clouds.....	E. B. Reed.
Medicine Hat, N. W. T	27.64	702 0	29.98	761.5	33	0.6	92	s.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	John Ewart.
Minnedosa, N. W. T	28 38	720.8	30.39	771.9	31	— 0.6	78	w.	3	1.3	.....	0	hz	.....	.....	0	0	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	29.93	760.2	30.15	765.8	33	0.0	74	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	C. H. McLeod, C. E.
Ottawa, Ontario	30.00	762.0	30.24	768.1	30.4	2.4	58	nw.	.....	.....	.....	3 ck	0	.....	.....	0	0	blue sky.....	A. McGill, M. A.
Parry Sound, Ontario*	29.64	752.8	30.38	771.6	29	— 1.7	88	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	Rev. R. Mosley.
Peterboro, Ontario	29.66	738.1	29.82	757 4	35.7	2.1	66	n.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	Wm. O'Connor, M.A.
Port Arthur	29.74	755.4	30.47	773.9	36	2.2	79	w.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.58	751 3	30.30	769.6	35	1.7	90	ne.	10	4.5	.....	10 ck	0	e.	.....	0	0	fair.....	H. Morgan.
Port Stanley, Ontario	29.63	752.6	30.30	769.6	35	1.7	64	e.	10	4.5	.....	.....	8 ks	.....	n.	0	0	cloudy.....	M. Payne.
Qu Appelle, N. W. T	27.89	708 4	30.17	766.3	43	6.1	.....	s.	16	7.2	.....	cs	0	.....	.....	0	0	clear.....	Leslie Gordon.
Quebec, Quebec*	29.71	754.6	30.08	764.0	30	— 1.1	88	s.	6	2.7	.....	.....	10 n	.....	s.	0.30	7.6	light snow..	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.85	758.2	30.33	770.4	30	— 1.1	81	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.89	759.2	29.95	760 7	35	1.7	93	n.	12	5.4	.....	.....	10 n	.....	.....	0.01	0.3	cloudy.....	
St. John, N. B	29.79	756 7	29.94	760.5	38.1	3.4	98	nw.	8	3.6	.....	.....	10 n	.....	.....	0.382	9.7	rain & fog....	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.20	767.0	44.6	7.0	.....	ne.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.63	752.6	30.37	771.4	34	1.1	66	e.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	
Stratford, Ontario	29.01	736.8	30.34	770.6	37.0	2.8	78	e.	16.5	7.4	.....	4 c	0	.....	.....	0	0	blue sky.....	W. McBride, A.M.

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS
	Inch	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B.*	30.07	763.8	30.13	765.3	38	3.3	92	nw.	1	0.4		6 c	0	s.		0	0	fair	T.C.Hill, C.E.
Toronto, Ontario*	29.95	760.7	30.35	770 9	36	2.2	49	n.	15	6.7		0	0			0	0	clear	Magnetic Observatory.
Woodstock, Ontario	29.23	742.4	30.34	770.6	36.0	2.2	75	ne.	13.5	6.0		7 cs	0	nw.		0	0	d. clouds	Prof. N Wolverton, M.A.
Yarmouth, N. S.*	29.86	758.4	29.93	760.2	38	3.3	96	n.	13	5.8			fg			0.17	4.3	dense fog	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.02	762.5	30.05	763 3	70.5	21.4	97	calm				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.90	759.4			78.0	25.6	35	nw.			2	4 ck	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.88	708.1			81	27.2	73									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					59.0	15.0	78	ne.			2	8 k		ne.		0	0	fair	Leon Herrera.
Valparaiso	29.82	757.3	29.96	760.9	59.9	15.5	99	n.			1	0?	0?			0.094	2.4	cloudy?	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.06	763.5	30.08	764.1	50.9	10.5	86	ne.	4.5	2.0			0			0.331	8.4	clear	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.97	761 1	30.01	762.3	40.6	4.8	62	ese.	13	6.			10						Oversergent Fischer.
Fanöe	30.02	762.5	30.04	763.0	42.3	5.7	44	ne.			4		7						Overloerer Lauridsen.
Godthaab, Greenland	30.04	762.9	30.08	764.0	23.7	— 4.6	95	w.			4		10						S. Kleinschmidt.
Ivigtut, Greenland	30.06	763.5	30.08	764 0	35.2	1.8		calm			0		10					snowing	
Stykkisholm, Iceland	29.73	755.1	29.77	756.2	41.4	5.2	80	se.			4		0						A. O. Thorlacius.
Thorshavn	29.90	759.4	29.92	760.0	47.1	8.4	91	se.	13	6.			10						Overloerer Bergh.
Upernavik, Greenland	29.68	753.8	29.72	755.0	31.1	— 0.5		sw.			4		10					snowing	
Vestervig	29.99	761.7	30.08	764.0	40.8	4.9	53	ene.			4		5						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.76	755.8			91.4	33.		ne.	6.5	2.9		0	0			0	0		Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School																			M. Labroue, Director.
Alençon, Normal School	29.43	747.4	29.98	761 4	46.4	8.	70	ne.			6		8 k		sw.	0	0	very cloudy	M. Nicot, Director.
Arras, Normal School	29.67	753.5	29.91	759.8	45.3	7.4	56	n.			4		5		ne.	0	0	cloudy	M. Ungerer, Director.
Avignon, Normal School	29.65	753.2	29.73	755 2	56.1	13.4	45	nnw.			1		5		calm	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.27	743.5	29.84	757.8	47.1	8.4	65	e.			1		10 kn			0.079	2.0	covered	M. Saillard, Director.
Beauvais, Normal School	29.63	752.6	29.90	759.4	45.7	7.6	51	ne.			2		10		ne.	0	0	covered	M. Frère Eugène Marie.
Besançon, Normal School	28.89	733.8	29.74	755.5	41.9	5.5	80	n.			1		2		s.	0	0	slightly cl'dy	M. Gobin, Director.
Bordeaux, *Observatory*	29.48	748.7	29.74	755.4	53.4	11.9	44	nne.			1		1			0	0	clear	M. Rayet, Director.
Bourges, Normal School	29.28	743.7	29.84	757.8	46.4	8	59	nne.			1		8		nne.	0	0	very cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.73	755.2	29.98	761.4	50.7	10.4	62	ne.			2		5		ne.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.89	759 3	29.97	761.2	47.5	8.6	97	ne.			2		5		ne.	0	0	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch	29.41	747.0	29.73	755.2	45.9	7.7	88	ne.			2		5		ne.	0.031	0.8	cloudy	M. Jadot, Director.
Charleville, Normal School	29.33	744 9	29.85	758.1	44.6	7.0	84	e.			1		8			0	0	¾ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.39	721.1	29.75	755 7	47.1	8.4	55	n.			1		8			0	0		M. Allnard, Director.
Cluny, Normal School	28.95	735.4	29.80	757.0	48.6	9.2	61	ne.			1		5		sw.	0	0		M. de Villemontés, Dir.
Commercy, Normal School	29.00	736.5	29.85	758.2	39.9	4.4	92	nne.			1		n	nne.	nne.	0.067	1.7		Dr. Coulet, Director.
Gap, *Normal School*	27.13	689.2	29.64	752.9	50.0	10	74	ne.			1		5 kn			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.60	726 3	29.72	754 8	52.0	11.1	80	e.			1		10		se.	0	0		M. Kina, Director.
Grenoble. Normal School	29.02	737 1	29.79	756.6	50.0	10.	52						10			0	0	covered	M. Ablard, Director.
Guéret, Normal School	28 21	716.4	29.81	757.2	41.4	5.2	69	ne.			4		kn		ne.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.63	752.7	29.91	759 7	47.1	8.4	60	nne.			1		2 kn		nne.	0	0	slightly cl'dy	M. Polipre, Dir.
Lescar, Normal School	29.14	740 2	29.70	754.3	52.2	11.2	63	ne.			1		10		e.	0.295	7.5	covered	M. Chiauvin, Director.
Lorient, Naval Observatory	29.81	757.1	29.91	759.7	54.7	12.6	41	ne.			2		5	ne.	ne.	0	0	½ covered	L. T. Carré, Director.
Lyon, St. Genis-Laval	28.70	729 0	29.76	755.8	49.6	9.8	47	nne.			1		5 kn	wsw.	wsw.	0	0	cloudy	M. André, Director.
Mans, Normal School	29.54	750 3	29.85	758.2	45.9	7.7	83	ene.			4		2 kn		ne.	0	0	slightly cl'dy	M. Richard, Director
Marseille, *Observatory*	29.44	747.8	29.71	754 6	54.5	12.5	73	ene.			0–1		10		ene.	0.079	2.0	raining	M. Stephan, Director.
Montlouis	24.45	621.1	29.30	744.1	34.7	1.5	86	e.	7.4	3.3			9		e.	0.087	2.2		M. Cave for Dr. Fines.
Montpellier, Normal School	29.58	751.3	29.69	754.1	52.5	11.4	69	n.			2		8	wsw.		0.248	6.3	very cloudy	M. Galizin, Director.
Nancy, Normal School	29.04	737 6	29.84	758.0	42.4	5.8	78	nw.			1		kn		nw.	0.193	4.9		M. Hasse, Director.
Nantes, Observatory	29.72	755 0	29.89	759.1	49.1	9.5	44	nne.			4		6n;kn;k			0	0		M. Larocque, Director.
Perpignan, Observatory	29.63	752.7	29.75	755.6	48.6	9.2	72	ne.	5.6	2.5			10		ne.	0.224	5.7		Dr. Fines, Director.
Pic-du-Midi, Summit	20.81	528.7			25.3	— 3.7		sw.			1		5		sw.	0.071	1.8	cloudy	M. Vaussenat, Director.
Privas, Normal School	28.66	727 9	29.72	754.8	51.8	11.	23	calm			0		0			0	0	clear	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.82	630 3			28.9	— 1.7	100	e.			2		10			0.008	0.2		M. Allnard.
Rochefort, Naval Obs'y	29.79	756.7	29.82	757.5	54.5	12.5	40	nne.			4		2		nne.	0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.65	753.1	29.87	758.7	48.9	9.4	46	ne.			6				ne.	0	0		M. Brothier, Director.
Rodez, Normal School	27.55	699.8	29.66	753 4	45.1	7.3	88	n.			1		5		s.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.87	758.7	29.92	759 9	46.0	7.8	61	ne.			4		5		ne.	0	0	cloudy	M. Moullot, Dir.
Saint Maur, Observatory	29.71	754 6	29.87	758.8	45.9	7.7	55	nne.			2		8		ne.	0	0	very cloudy	M. Renou, Director.
Toulouse, Observatory	29.05	737.8	29.77	756.1	50.7	10.4	86	se.			1		10	se.		0.008	0.2	covered	M. Baillaud, Director.
Tours	29.66	753 3	29.84	757.9	52.9	11.6	50	n.			2		5	ne.	ne.	0	0	cloudy	M. de Tastes.
Versailles, *Observatory*. *Sub-series.*	29.38	746.2	29.87	758.7	42.4	5.8	63	ne.			1		8			0	0	covered	Dr. A. Berigny, Director.
St. Martin du Hinx	29.59	751.6	29.74	755.4	54.7	12.6	61	ne.	7.8	3.5			10 k		ne.	0.008	0.2	misty	M. Carlier, Director.
GERMAN.																			
Ansbach	28.37	720.7	29.84	758.0	44.6	7.0	41	ne.			4		8	ne.		0	0		Prof. Jnedt.
Bamberg	29.00	736 6	29.84	757.9	42.8	6.0	73	n.			2		6 k		n.	0	0		Prof. Dr. Hoh.
Berlin	29.71	754.6	29.85	758.3	41.5	5.3	80	ne.			1		10			0.189	4.8	raining	Meteorological Institute
Breslau	29.35	745.5	29.88	758.9	37.6	3.1	73	w.			3		10			0.024	0.6		Royal University Obs'y
Carlsruhe	29.40	746.7	29.87	758.6	39.7	4.3	89	ne.			1		10	ne.		0.193	4.9		Albert Senz.
Cassel	29.18	741.2	29.89	759 3	43.5	6.4	48	n.			2		6	ne.		0.020	0.5	snowing	Dr. H. Möhl.
Frankfort-on-the-Main	29.49	749.0	29.85	756.3	46.9	8 3	55	ne.			2		10			0.028	0.7		Physical Society.
Friedrichshafen	28.36	720.3	29.77	756.1	50.0	10.0	68	sw.			1		10	ne.		0	0		Wilhelm, Chief Tel.
Hamburg	29.90	759.4	29.99	761.7	40.3	4.6	70	ene.			4		10			0	0		E. Preller.
Kiel	29.98	761.6	30.00	762.0	40.1	4.5	57	ne.			4		10			0	0		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.48	748 7	29.91	759.7	39.6	4.2	68	n.			2		10	nne.		0.016	0.4		H. Leppig, Asst.
Magdeburg	29.72	754.8	29.90	759.5	42.4	5.8	67	nnw.			1		10	n.		0	0		Weather Observatory.
Memel	29.88	759.0	29.93	760 2	41.7	5.4	56	e.			4		10 ks						Issermann.
Munich	27.94	709 6	29.78	756 5	45.1	7.3	63	n.			6		7	ne.		0	0		Central Station.
Neufahrwasser	29.86	758 4	29.89	759.1	36.3	2.4	87	ne.			3		10			0.343	8.7		A. Lothes.
Neustadt, Palatinate	29.30	744.2	29.82	757.5	39.2	4.0	85	ne.			1		10			0.890	22.6	rain & snow	Prof. Dicknether.
Stuttgart	28.85	732.9	29.76	756.0	42.4	5.8	81	n.			1		10			0.110	2.8		Dr. L. Meyer.
Wustrow	29.95	760.6	29.97	761.2	38.3	3.5	83	ne.			4		10			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.58	741 3	29.95	760.8	70.3	21.3		w.			1.0	5				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.75	755.7	29.80	757.0	82.2	27 9	79	wsw.	31.0	13.8			0			0	0	misty	
Deesa	29.29	743.9	29.75	755.6	96.9	36.1	17	wsw.	18 0	8.0			0			0	0	blue sky	
Bombay	29.80	757.0	29.84	758 0	82.7	28.2	73	nw.	18.0	8.0			0			0	0	blue sky	
Poona, Yarrowda	27.97	710.5	29.78	756.3	93.3	34.1	13	nw.	27.0	12.1			4	w.		0	0	d. clouds	
Trichinopoly	29.54	750 2	29.81	757.1	99.6	37.6	35	wnw.	0.3	0.1			4	nne.	nne.	0	0	d. clouds	
Bellary	28.28	718 2	29.69	754 1	99.0	37.2	20	e.	4.0	1.8			7			0	0	d. clouds	
Belgaum	27.27	692.6	29.76	755.9	83.6	28.7	54	wsw.	11.0	4.9			3		w.	0	0	d. clouds	
Lahore	28 95	735 4	29.67	753.7	94.1	34.5	25	w.	6.0	2.7			3			0	0	d. clouds	
Roorkee	28,78	731.1	29.65	753.2	94.6	34.8	23	calm	0	0			0			0	0	misty	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0-0	Clouds. Amount and kind. Upper. 0-10	Lower. 0-10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Agra	29.11	739.5	29.66	753.2	99.1	37.3	13	w					8		w.	0	0	d. clouds	
Nagpur	28.68	728.5	29.68	754.0	99.7	37.6	12	wnw.	13.0	5.8			3		w.	0	0	d. clouds	
Jubbulpore	28.39	720.8	29.69	754.0	95.9	35.5	15	nw.	4.0	1.8			7	w.		0	0	misty	
Lucknow	29.33	745.1	29.70	754.3	96.0	35.6	32	e.	13.0	5.8			0			0	0	misty	
Allahabad	29.38	746.3	29.68	754.0	93.7	34.3	31	ne.					0			0	0	blue sky	
Patna	29.52	749.7	29.70	751.4	84.0	28.9	39	ne.	12.4	5.5			0			0	0	d. clouds	
Hazaribagh	27.69	703 3	29.68	753.9	79.7	26.5	49	ne.	2.4	1.1			2			0	0		
Cuttack	29.64	752.7	29.72	754.8	85.0	29.4	65	nnw.	8.0	3.6			6			0	0		
Calcutta, Alipore	29.70	754.5	29.73	755 0	83.7	28.7	72	ssw.	16.0	7.2			10			0.06	1.5	gloomy	
Chittagong	29.70	754.3	29.79	756.6	81.1	27.3	81	sse.	5.0	2.2			2			0	0	d. clouds	
Sibsagar	29.47	748.4	29.80	757.0	78.9	26.1	70	se.	2.0	0.9			0			0	0	blue sky	
Jeypore	28.29	718.6	29.69	754.1	96.5	35.8	16	wnw.	7.4	3.3			0			0	0	blue sky	
Zanzibar	29.93	760.2			76.6	24.8	91	wsw.	7.5	3.4			8		sse.			d. clouds	
ITALIAN.																			
Udine	29.36	745.7	29.76	756.0	57.4	14.1	62	calm	0	0			10			0.213	5.4		Prof. Giovanni Olodig.
Milan	29.24	742.7	29.75	755.7	53.1	11.7	75	se.	5.6	2.5			10	se.		0.031	0.8		Prof. G.V.Schiapparelli
Padua	29.64	752.9	29.75	755.6	55.4	13.0	64	nw.	1.8	0.8			10			0.039	1.0		Prof. Dott. Lorenzoni.
Moncalieri	28.80	731.4	29.69	754.1	55.4	13.0	61	e.	6.3	2.8			9	n.		0.126	3.2		Prof. G. M. Garibaldi.
Genoa	29.49	749.1	29.69	754 0	55.4	13.0	58	se.	5.6	2.5			10	se.		0.039	1.0		Prof. Luigi Guidi.
Pesaro	29.72	755.0	29.77	759.2	56.8	13.8	90	se.	9.4	4.2			10			0.138	3.5		Prof. Costantino Pittei.
Florence	29.49	749.1	29.74	755.5	55.8	13.2	81	sw.			2		10			0.126	3.2		Prof. P. Monte.
Leghorn	29.61	752.1	29.69	754.2	58.3	14.6	70	n.	8.7	3.9			10	sw.		0.004	0.1		Prof. P. Tacchini.
Rome	29.57	751 0	29.74	755.4	66.9	19.4	47	ssw.	3.1	1.4			10			0.031	0.8		Prof. C. de Giorgi.
Lecce	29.53	750.1	29.78	756 4	67.6	19.8	59	se.	26.2	11.7			4	ssw.		0	0		Prof. D. Conti.
Cosenza	28.92	734.5	29.80	756.9	67.3	19.6	79	sse.	3.1	1.4			6	se.		0	0		Prof. G. Cacciatore
Palermo	29.42	747.2	29.66	753.4	77.7?	25.4?	31	ne.	3.8	1.7			8	wsw.		0	0		Sig. V. Giulio.
Syracuse	29.71	754.5	29.75	755.6	66.7	19.3	79	ne.	9.4	4.2			8	wsw.		0	0		
Sub-series.																			Prof. F. Grassi.
Naples, Astron'l Obs'y	29.24	742.6			67.5	19.7	61	sse.	1.8	0.8			6	se.		0.130	3.3		
Stelvio	21.80	553.6			36.0	2.2	83	w.			4		10			0.193	4.9	covered	Prof. P. F. Denza.
Valdobbia	21.81	554.0			29.1	— 1.6	51	w.			4		10			0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.47	748.5	29.50	749.4	49.0	9.4	93	calm			0		10 n			0.736	18.7	raining	H. Hattori.
Awomori	29.56	750.8	29.00	751.8	37.8	3.2	88	ne.	6.0	2.7			10 n			0.410	10.4	raining	K. Ogawa.
Hakodate	29.63	752.5	29.64	752.8	38.5	3.6	94	calm	0	0			10 n			0.350	8.9	raining	Y. Souma.
Hamamatsu	29.39	746.5	29.49	749.0	60.2	15.7	80	w.			2	0	7 8		w.	0.106	2.7	fair	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	29.65	753.1	29.67	753.5	55.0	12.8	76	nne.	5.4	2.4			9clk;ks		n	0.209	5.3	cloudy	Y. Okamoto.
Kagoshima	29.78	756.4	29.79	756.7	53.9	12.2	90	w			2	0	8 s			0	0	cloudy	
Kanazawa	29.49	749.1	29.60	751.7	51.9	11.1	96	sw.	4.5	2.0			10 n			1.101	28.0	raining	S. Endo.
Kioto	29.40	746.7	29.57	751.1	56.5	13.6	76	nw.	4.0	1.8		0	3s;ks			0.147	3.7	fair	M. Tojima.
Kochi	29.58	751.4	29.60	751.9	62.6	17.0	69	w.	8.8	3.9		0	3 s			0	0	clear	K. Kusunose
Miasaka	29.71	754 6	29.74	755.3	59.2	15.1	76	w.			2	0	0			0	0	clear	K. Masusaki & T. Ishizaki.
Miyako	29.42	747.3	29.53	750.1	38.9	3.8	88	ne.	3.8	1.7			10 n			1.075	27.3	raining	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.59	751.6	29.79	756.6	54.9	12.7	86	w.	2.7	1.2			10 s			0	0	misty	
Nemuro	29.73	755.1	29.78	756.4	33.1	0.6	89	se.	18.0	8.0			10 n			0.16	4.1	raining	A Shibuya.
Niigata	29.49	749.0	29.52	749.8	51.8	11.0	94	sw.	2.5	1.1			10 n		sw.	0.425	10.8	light rain	Satoo & Tomikawa.
Nobiru	29.45	747 9	29.46	748.3	47.5	8.6	94	n.	15.8	7.1			10ks;n			1.135	28.8	covered	Yoshino & Midzushima.
Numadzu	29.42	747.2	29.45	748.1	62.0	16.7	81	sw.			2		10ks;s			0.248	6.3	cloudy	T. Ohgi.
Osaka	29.56	750.9	29.58	751.3	57.6	14.2	79	n.	6.4	2.9			10 s			0.025	0.6	cloudy	H. Omura.
Saga	29.75	755.6	29.77	756.2	54.5	12.5	88	wsw.	4.0	1.8		0	8 ks		nw.	inap.	inap.	clear	A. Matsuhayashi.
Sakai	29.65	753.0	29.66	753.2	52.2	11.2	97	nw.			2		10 n			0.669	17.0	raining	Yamawchi & Sakamoto.
Sapporo	29.59	751.6	29.66	753 3	43.9	6.6	80	nw.	0.3	0.1			10 n					raining	S. Kimura.
Shimonoseki	29.60	751.8	29.74	755.5	53.1	11.7	81	nw.			2		10 ks			0.075	1.9	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	29.39	746.5	29.46	748.3	56.6	13.7	95	n.	3.3	1.4			10 s			0.290	7.4	covered	The Staff.
Wakayama	29.52	749.8	29.57	751.1	58.8	14.9	86	nw	2.5	1.1			10ck;ks		w.	0.256	6.5	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.80	756.9	29.99	761.7	79.0	26.1	77	ene.	5.5	2.5		6ck;cs	3ks;kn	nw.		2.74	69.6	cloudy	The Staff.
MEXICAN.																			
Leon	24.26	616.2	29.97	761.2	54.0	12.2	66	sse	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.65	753 2	29.92	760.0	65.0	18.3	89	nw.	0.9	0.4		0	0			0	0	hazy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.96	761.0	29.96	761.0	45.3	7.4		ne.			4					0	0		
Groningen	29.93	760.3	29.99	761.7	43.7	6.5		ene.			1					0.016	0.4		
Helder	30.01	762.2	30.01	762.2	41.0	5.0		ne.			4					0	0		
Hellevoetsluis	29.97	761.2	29.97	761.2	46.9	8.3	45	ene.			3					0	0		
Utrecht	29.94	760 4	29.98	761.6	45.0	7.2	51	ne.			4		6			0	0	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.89	759.3			82.2	27.9	81	ne.	0	0			2			0.016	0.4		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.71?	754.7?	29.78?	756.3?	42.8	6.0	36	sw.	2	1			6			0	0		
Brono	30.18	766.6	30.22	767.6	39.2	4.0	59	e.			2		1			0	0		
Christiania	30.02	762.5	30.18	766.6	42.8	6.0	32	e.	13	6			3			0	0		
Gjesvær	30.15	765.8	30.17	766.4	27.5	— 2.5		n.			2		8						
PORTUGUESE.																			
Funchal, Madeira	29.69	754.0	29.77	756.2	63.1	17.3	58	wsw.	11.9	5.3			1	nw.		0.433	11.0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.90	736.7	29.33	745.0	58.5	14.7	86	ssw.	11.2	5.0			9			0.819	20.8		The Staff.
Ponta Delgada, Azores	29.85	758.3	29.93	760.1	60.1	15.6	53	ne.	9.4	4.2			4			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.99	761.8	30.03	762.7	72.7	22.6	82	ne.			3		3			0	0	light haze	
San Salvador, Congo																			
Serra da Estrella	24.71	627.6	29.46	748.3	36.5	2.5	100	ese.	37.8	16.9			10			2.472	62.8	rain & fog	
RUSSIAN.																			
Akmolinski	28.98	736.2	30.08	764.0	44.4	6.9	47	ssw.	13	6		0	0			0	0		Major K. Lasarew.
Archangel	30.03	762.7	30.05	763.2	28.9	— 1.7	66	wnw.	4	2		0	0			0	0		Capt. Sselliwerstow
Ashurada	29.97	761.2	29.87	758.8	64.6	18.1	80	wnw.	11	5			10 k			0	0		
Astrakhan	29 88	759.0	29.81	757.2	69.3	20.7	52	sse.	4	2		0	3 ks			0.071	1.8		Capt. Wisganow.
Baku	29.87	758.6	29.82	757.4	64.0	18.1	81	calm	0	0		4 ck	0						
Barnaul	29.76	755.9	30.28	769.1	36.7	2.6	57	w.	9	4			10			0	0		Meteorological Office.
Bielosersk	29.43	747.5	29.91	759.8	34.5	1.4	55	nnw.	9	4		0	7 ks			0	0		
Dorpat	29.78	756 3	30.03	702.7	37.9	3.3	52	ne.	11	5		0	0			0	0		Rosenthal.
Ekaterinburg	28.95	735.3	29.95	760.6	32.4	0.2	96	se.	9	4			10 n			0.026	15.9		Meteorological Obs'y.
Elisawetgrad	29.42	747.2	29.87	758.6	53.1	11.7	50	nw.	9	4			9 k			0.008	0.2		
Kasalinsk	29.59	751.5	29.70	756.0	61.3	16.3	42	e.	13	6									Butkewitsch.
Kasan	29.39	746.6	29.67	753.5	40.6	8.1	92	calm	0	0			10k;ks			blank	blank		Observatory.
Kem	30.07	763.8	30.12	765.1	36.7	2.6	39	calm	0	0			0			0	0		
Kerten	29.85	758.1	29.87	758.7	56.8	13.8	41	nw.	9	4		0	0			0	0		Lagorio & Sastyrea.
Kieff	29.15	740.5	29.79	756.7	46.8	8.2	51	nw.	18	8			10 ks			0	0		Observatory
Koslov	29.13	740.0	29.64	752 9	43.0	6.1	93	calm	0	0			10 s			0	0		
Lgov	29.18	741.2	29.77	756.2	44.2	6.8	78	nw.	9	4			10			0	0		R. I. Saaweljew, Enzin'r.
Libau	29.93	760.3	29.96	760.9	43.5	6.4	43	ne.	13	6			10			0	0		E. Quass.
Lugan	29.39	746.5	29.59	751.6	52.9	11.6	80	w.	22	10			10			0.165	4.2		Meteorological Obs'y.
Moscow	29.20	741.6	29.09	754.1	33.8	1.0	85	calm	0	0			10 n			0.264	6.7	light snow	Meteorological Obs'y.
Nertschinsk	27.39	695.7	29.65	753.2	45.9	7.7	24	calm	0	0			3			0	0		
Nicolaiev	29.82	757.4	29.89	759 2	57.6	14.2	61	n.	4	2		0	0			0.240	6.1		Capt. Kurdakow.

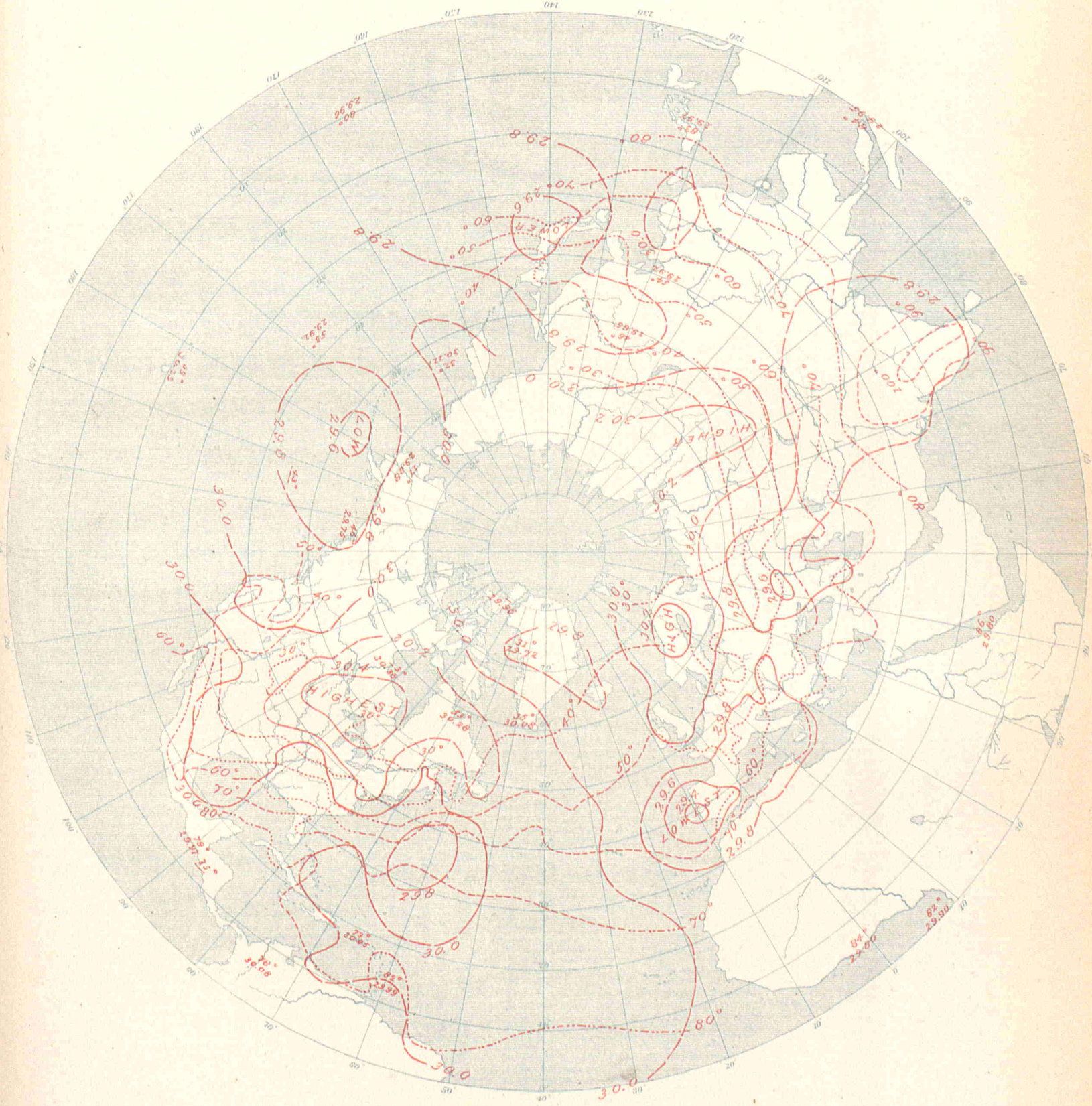
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaiewsk-on-the-Amoor.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.78	756.3	29.92	759.9	54.3	12.4	35	se.	4	2	.....	0	5 ks	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.43	747.5	29.77	756.1	70.9	21.6	51	ne.	1.1	0.5	.....	0	8 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.85	758.1	30.05	763.3	31.8	— 0.1	43	nne.	9	4	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.34	745.1	29.84	757.9	42.8	6.0	69	w.	13	6	.....	.....	10 k	.....	.....	0.154	3.9	.....	
Poti	29.86	758.5	29.89	759.3	64.6	18.1	85	s.	9	4	.....	0	2 ks	.....	.....	0	0	.....	
St. Petersburg	30.03	762.7	30.05	763.3	34 0	1.1	42	ne.	11	5	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.39	695.8	29.77	756.2	70.0	21.1	45	se.	13	6	.....	0	8 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.61	752.1	30.29	769.3	43.0	6.1	45	e.	4	2	.....	.....	0	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.71	754.6	29.92	759.9	59.0	15.0	55	nnw.	11	5	.....	2 cs	0	.....	.....	0	0	.....	
Staroi Bykhov	29.23	742.4	29.80	756.8	38.1	3.4	73	ne.	9	4	.....	.....	10	.....	.....	0.016	0.4	.....	Carl Hagen.
Tashkend, Laboratory	28.19	715.9	29.79	756.6	71.2	21.8	48	calm	0	0	.....	.....	10 ku	.....	.....	.....	.....	.....	Terch, A. M
Tiflis	28.39	721.2	29.75	755.7	72.3	22.4	33	n.	27	12	.....	0	2 k	.....	.....	0.157	4.0	.....	Physical Observatory
Vernoe	27.30	693 3	29.75	755.6	58.3	14.6	60	sw.	4	2	.....	0	7 k	.....	.....	.....	.....	.....	Larionow.
Viatka	29.04	737.7	29.69	754.2	29.8	— 1.2	90	e.	2	1	.....	.....	10	.....	.....	0.091	2.3	.....	
Vladivostock	29.73	755.2	29.80	756.9	42.6	5.9	59	nne.	18	8	.....	.....	5 k	.....	.....	0	0	.....	
Warsaw	29.41	747 0	29.84	758.0	40.1	4.5	71	sw.	9	4	.....	.....	10 ks	.....	.....	.....	.....	h'vy clouds	Astronomical Obs'y.
Yeniseisk	29.96	761.0	30.27	768.9	19.2	— 7.1	57	nw.	2	1	.....	.....	2	.....	.....	0.024	0.6	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.08	738.6	29.60	751.8	31.5	— 0.3	90	nnw.	18.6	8 3	.....	.....	10 n	.....	nw.	0.47	11.9	sleeting	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.58	751.3	29.69	754.1	52.3	11.3	81	e.	6.0	2.7	.....	.....	10	.....	.....	0.165	4.2	misty	B. Jelin.
Bilbao, Met. Obs'y	29.66	753.3	29.72	754.8	55.2	12.9	75	n.	0.4	0.2	.....	.....	10	.....	.....	0.004	0.1	covered	Angel de Uraldc.
Burgos, Met. Obs'y	26.69	678.0	29.67	753.7	43.3	6.3	92	e.	9.4	4.2	.....	.....	8	.....	.....	0.083	2.1	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.38	695.5	29.60	751.7	53.2	11.8	80	se.	8.1	3.6	.....	.....	10	.....	.....	0.358	9.1	covered	The Staff.
Murcia, Met. Obs'y	29.48	748.7	29.60	751.9	66.6	19.2	71	s.	4.0	1.8	.....	2	6	nw.	.....	0.028	0.7	misty	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.58	725.9	29.45	748.1	60.3	15.7	54	ne.	22.4	10.0	.....	.....	5	.....	.....	0.008	0.2	cloudy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.91	759.6	29.97	761.3	77.4	25.2	80	ese.	1.8	0.8	.....	3c;cs	2 k	wsw.	s.	0	0	fair	Benito Vines, S. J.
Manilla, Philippine Islands	29.92	759.9	29.97	761 3	83.0	28.3	74	sw.	11.0	4.9	.....	0	ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.48	748.8	29.58	751.3	61.0	16.1	86	s.	15.7	7.0	.....	.....	10	.....	s.	0.720	18.3	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.96	760.9	30.05	763.2	73.4	23.0	85	calm	0	0	.....	2 s	1 k	s.	s.	0	0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.20	767.1	30.24	768.1	37.4	3.0	66	s.	.....	.....	2	.....	3	.....	.....	0	0	.....	
Umea	30.22	767.7	30.28	769.0	38.8	3.8	64	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Hernosand	30.17	766.3	30.22	767.6	42.8	6.0	45	calm	.....	.....	0	.....	0	.....	.....	0	0	.....	
Stockholm	29.98	761.5	30.16	766.0	57.0	13.9	43	ne.	.....	.....	7	.....	0	.....	.....	0	0	.....	
Wisby	29.97	761.1	30.02	762.6	40.3	4.6	50	e.	.....	.....	6	.....	3	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.08	764.0	30.17	766.2	37.4	3.0	51	ne.	14.3	6.4	.....	.....	1	.....	.....	inap.	inap.	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.32	719 4	29.76	755.8	52.2	11.2	42	w.	.....	.....	2	.....	3	.....	.....	0	0	.....	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.92	759.9	72.7	22.6	35	sw.	10	4.5	.....	.....	8	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.947	760.47	70.7	21.5	.....	s.	.....	.....	2	.....	8	.....	.....	0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.90	759.4	69.8	21.0	76	n.	.....	.....	2	2 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.14	765.5	30.22	767.6	37.5	3.1	59	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	J. O. Barnes.
Alpena, Michigan	29.71	754.6	30.40	772.1	34.2	1.2	79	nw.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.99	634.7	29.91	759.7	34.7	1.5	76	e.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assinnaboine, Ft., Montana	27.14	689.3	30.05	763.3	32.4	0.2	68	e.	12	5.4	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.69	728.7	29.88	758.9	54.6	12.6	85	se.	12	5.4	.....	.....	10 s	.....	.....	0.10	2.5	threatening	S. W. Beall
Atlantic City, New Jersey	30.17	766.3	30.18	766.6	41.5	5.3	48	n.	15	6.7	.....	0	3 k	.....	n.	0	0	clear	B.A.Blundon.
Augusta, Georgia	29.70	754 4	29.89	759.2	58.6	14.8	82	ne.	10	4.5	.....	.....	10 s	.....	ne.	0.28	7.1	cloudy	W.J.Evans.
Baltimore, Maryland	30.17	766.3	30.22	767.6	44.3	6.8	31	ne.	6	2.7	.....	.....	10 s	.....	ne.	0	0	cloudy	Geo. W. Folger.
Barnegat City, New Jersey	30.14	765.5	30.16	766.1	40.3	4.6	44	ne.	31	13.9	.....	4 ck	2 s	nw.	.....	0	0	fair	J.P.Sherry.
Bennett, Fort, Dakota	28.79	731.3	30.43	772.9	36.0	2.2	58	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	A. Pritchard.
Benton, Fort, Montana	27.22	691.4	30.08	764.0	32.1	0.1	66	calm	0	0	.....	0	0	.....	.....	0	0	clear	C.S.Bennett.
Bismarck, Dakota	28.53	724.6	30.41	772.4	32.1	0.1	74	se.	1	0.4	.....	0	0	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	30.07	763.8	30.10	764.5	36.2	2.3	59	n.	24	10.7	.....	4 c	0	nw.	.....	inap.	inap.	fair	J. T. Elker.
Boise City, Idaho	27.12	688.8	29.96	761.0	51.2	10.7	70	nw.	6	2.7	.....	0	6 s	.....	.....	inap.	inap.	fair	James Kenenly.
Boston, Massachusetts	29.93	760.2	30.09	764.3	34.8	1.6	71	n.	24	10.7	.....	0	0	.....	.....	0.01	0.3	clear	O. B. Cole.
Brownsville, Texas	30.11	764.8	30.17	766.3	49.0	9.4	77	n.	4	1.8	.....	4 ck	6 s	w.	.....	0	0	cloudy	John McGlone.
Buffalo, New York	29.53	750.0	30.30	769.6	34.5	1.4	66	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	D.Cuthbertson.
Buford, Fort, Dakota	28.18	715.8	30.28	769.1	35.5	1.9	66	e.	7	3.1	.....	5 cs	0	.....	.....	0	0	fair	A. Schneider.
Cairo, Illinois	29.54	750.3	29.95	760.7	40.0	4.4	89	ne.	8	3.6	.....	.....	10 n	.....	ne.	0.68	17.3	light rain	W. H. Ray.
Canby, Fort, Washington Ter	29.72	755.1	29.93	760.2	50.0	10.0	100	se.	16	7.2	.....	.....	10 n	.....	.....	0.08	2.0	light rain	J.H.Young.
Cape Henry, Virginia	30.05	763 3	30.07	763.8	45.5	7.5	93	ne.	36	16.1	.....	.....	10 n	.....	ne.	0.96	24.4	light rain	A. K. Alderson
Cape May, New Jersey	30.12	765 0	30.15	765 8	40.8	4.9	45	ne.	16	7.2	.....	.....	10 s	.....	.....	0	0	cloudy	W.E.Smith.
Cape Mendocino, California	29.31	744.5	30.00	762.0	47.1	8.4	96	se.	19	8.5	.....	.....	10 n	.....	.....	0.04	1.0	light rain	A. P. Leavitt.
Cedar Keys, Florida	29.83	757.7	29.85	758.2	73.4	23.0	83	w.	11	4.9	.....	0	9 n	.....	sw.	0.23	5.8	light rain	G. W. Davis.
Charleston, S. Carolina	29.74	755.4	29.80	756.9	66.5	19.2	100	sw.	5	2.2	.....	.....	10 n	.....	sw.	1.30	33.0	light rain	J. H. Smith.
Charlotte, N. Carolina	29.08	738.6	29.94	760.5	50.0	10.0	98	e.	12	5.4	.....	.....	10 n	.....	e.	2.94	74.7	light rain	D. O'Donoghue.
Chattanooga, Tennessee	29.02	737.1	29.86	758.4	53.6	12.0	89	sw.	5	2.2	.....	.....	10n;fg	.....	sw.	0.70	17.8	light rain	B. L. Goulding.
Cheyenne, Wyoming	24 10	612.1	30.12	765.0	23.7	— 4.6	81	s.	7	3.1	.....	0	fg.	.....	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.48	748.8	30.21	767.3	36.8	2.7	58	ne.	14	6.3	.....	3 cs	7 ks;s	.....	.....	0	0	cloudy	T.B.Jennings.
Chincoteague, Virginia	30.11	764.8	30.13	765.3	44.0	6.7	68	ne.	23	10.3	.....	.....	10 ks	.....	ne.	0	0	cloudy	C. F. Dickens
Cincinnati, Ohio	29.34	745.2	30.01	762.2	38.8	3.8	82	e.	14	6.3	.....	.....	10 s	.....	e.	0.52	13.2	cloudy	L.Dunne.
Cleveland, Ohio	29.48	748.8	30.24	768.1	36.2	2.3	53	ne.	6	2.7	.....	2 cs	7 ks	.....	ne.	0	0	cloudy	W.Line.
Columbus, Ohio	29.20	741.7	30.08	764.0	37.5	3.1	78	ne.	18	8 0	.....	.....	10 n	.....	ne.	0.18	4.6	light rain	F.T. Williams
Concho, Fort, Texas	28.29	718.6	30.23	767.8	36.1	2.3	92	nw.	2	0.9	.....	0	0	.....	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.87	682.5	30.05	763.3	32	0.0	81	se.	7	3.1	.....	0	0	.....	.....	0	0	clear	W.J.Daily.
Davenport, Iowa	29.52	749.8	30.19	766.8	37.0	2.8	79	ne.	15	6.7	.....	0	9 s	.....	ne.	0	0	cloudy	R. R. Martin.
Davis, Fort, Texas	25.29	642.4	30.07	763.8	32.5	0.3	88	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ter	28.22	716.8	29.98	761.5	51.0	10.0	77	sw.	6	2.7	.....	.....	10 n	.....	sw.	0.03	0.8	light rain	H.S.Blandford.
Deadwood, Dakota	25.51	647.9	30.20	767.1	31.5	— 0.3	70	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	G.Kingsbury.
Delaware Breakwater, Del	30.16	766.1	30.18	766.6	41.8	5.4	65	ne.	25	11.2	.....	.....	10 s	.....	.....	0	0	cloudy	G.A.Martin.
Denver, Colorado	24.85	631.2	30.12	765.0	33.0	0.6	72	calm	0	0	.....	2 c	0	w.	.....	inap.	inap.	clear	F. M. Neal.
Des Moines, Iowa	29.36	745.7	30.29	769.4	37.3	2.9	57	ne.	8	3.6	.....	8 cs	0	w.	.....	0	0	cloudy	F. W. Conrad.
Detroit, Michigan	29.56	750.8	30.29	769 4	38.1	3.4	62	ne.	14	6.3	.....	10 cs	0	ne.	.....	0	0	cloudy	N.B.Conger.
Dodge City, Kansas	27.60	701.0	30.24	768.1	34.5	1.4	78	nw.	10	4.5	.....	.....	10 s	.....	n.	0	0	cloudy	J.E.Lamouette.
Dubuque, Iowa	29.57	751.1	30.30	769.6	38.2	3.4	41	ne.	8	3.6	.....	8 cs	0	.....	.....	0	0	cloudy	A.W.Browne.
Duluth, Minnesota	29.71	754.6	30.18	774.2	32.4	0.2	66	calm	0	0	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
Eastport, Maine	29.89	759.2	29.96	761 0	35.0	1.7	89	nw.	10	4.5	.....	.....	10 s	.....	nw.	0.15	3.8	cloudy	D. C. Murphy.
Elliott, Fort, Texas	27.40	695.9	30.18	766.6	34	1.1	82	n.	20	8.9	.....	.....	10 s	.....	n.	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.29	667.8	30.03	762.7	39.0	3.9	54	calm	0	0	.....	0	0	.....	.....	0	0	clear	F.Belford.
Erie, Pennsylvania	29.51	749.5	30.20	768.6	37.5	3.1	58	e.	6	2.7	.....	0	3 k	.....	.....	0	0	clear	P.Wood.
Escanaba, Michigan	29.74	755.4	30.43	772.9	28.0	— 2.2	78	n.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	L.M.Pindell.
Fort Smith, Arkansas	29.58	751.3	30.06	763.5	41.3	5.2	82	n.	8	3.6	.....	.....	10 s	.....	n	0	0	cloudy	J. B. Campbell.
Galveston, Texas	30.08	764.0	30.12	765.0	49.6	9.8	81	nw.	11	4.9	.....	1 cs	0	nw.	.....	0	0	clear	E. O'C. Macinerney
Grand Haven, Michigan	29.62	752.3	30.31	769.9	37.0	2.8	61	ne.	18	8.0	.....	3 c	6 s	.....	ne.	0	0	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	25.20	640.1	29.93	760.2	49.4	9.7	43	e.	3	1.3	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.91	759.7	29.92	760.0	53.5	11.9	100	ne.	15	6.7	.....	.....	10 n	.....	e.	0.24	6.1	light rain	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. c=10	Clouds. Amount and kind. Upper. c=10	Lower. c=10	Direction. Upper.	Lower.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.83	656.1	30.04	763.0	37.5	3.1	72	n.	4	1.8		o	o			o	o	clear	S. W. Morrison.
Huron, Dakota	28.98	736.1	30.43	772.9	30.2	— 1.0	76	e.	2	0.9		o	o			o	o	clear	S. W. Glenn.
Indianapolis, Indiana	29.16	740.7	29.98	761.5	38.7	3.7	45	e.	11	4.9			10 n		e.	0.05	1.3	light rain	O. F. R. Wappenhans.
Indianola, Texas	30.14	765.5	30.17	766.3	45.2	7.3	88	calm	o	o		o	o			o	o	clear	I. A. Reed.
Jacksonville Florida	29.79	756.7	29.83	757.7	72.1	22.3	86	sw.	10	4.5			10 s		sw.	0.59	15.0	cloudy	J. W. Smith.
Keokuk, Iowa	29.45	748.0	30.12	765.0	37.2	2.9	56	ne.	10	4.5			10 s		ne.	o	o	cloudy	F. Z. Gosewisch.
Key West, Florida	29.91	759.7	29.93	760.2	79.4	26.3	74	s.	14	6.3		2 cs	6s;ks	s.	s.	o	o	cloudy	J. Harvey Smith.
Kittyhawk, North Carolina	29.98	761.5	30.00	762.0	49.0	9.4	94	ne.	36	16.1			10 n		ne.	0.08	2.0	light rain	Wesley Blake.
Knoxville, Tennessee	28.80	731.5	29.84	757.9	55	12.8	93	ne.	2	0.9			10 s		sw.	0.85	21.6	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.58	751.3	30.38	771.6	30.1	2.3	46	ne.	6	2.7		hz.	7 s			o	o	fair	S. C. Emery.
Leavenworth, Kansas	29.28	743.7	30.20	767.1	38	3.3	72	n.	10	4.5		4 c	3 k		ne.	1.01	25.7	fair	C. Dill.
Lewiston, Idaho	29.11	739.4	29.96	761.0	52.2	11.2	84	se.	1	0.4			10 n			0.04	1.0	light rain	C. E. Butler.
Little Rock, Arkansas	29.65	753.1	29.97	761.2	47.0	8.3	87	nw.	4	1.8			10 s			0.17	4.3	cloudy	W. U. Simons.
Los Angeles, California	29.60	751.8	30.00	762.0	49 6	9.8	95	W.	3	1.3			fg.			0.02	0.5	dense fog	T. S. Collins.
Louisville, Kentucky	29.30	744.2	29.87	758.7	40.8	4.9	80	ne.	20	8.9			10 s		ne.	0.88	22.4	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.40	746.7	30.11	764.8	41.0	5.0	73	ne.	6	2.7			10 n		ne.	0.91	23.1	light rain	Jno. Healy.
Mackinaw City, Michigan	29.75	755.6	30.43	772.9	30.0	2.2	61	calm	o	o		o	o			o	o	clear	D. B. Notson.
Macon, Fort, North Carolina	29.87	758.7	29.88	758.9	54.8	12.7	97	ne.	28	12.5			10 n		ne.	0.78	19.8	light rain	William Daly.
Maginnis, Fort, Montana	29.56	649.2	30.06	763.5	36.5	2.5	49	se.	o	2.7		o	o			o	o	clear	F. Burke.
Marquette, Michigan	29.72	754.9	30.47	773.9	31.4	— 0.3	71	nw.	4	1.8		o	o			o	o	clear	J. Gilligan.
Memphis, Tennessee	29.57	751.1	29.91	759.7	48.0	8.9	93	nw.	1	0.4			10 n			0.50	12.7	light rain	D. T. Flannery.
Milwaukee, Wisconsin	29.54	750.3	30.31	769.9	35.9	2.2	72	ne.	19	8.5		8 cs	o	ne.		o	o	cloudy	S. W. Rhode.
Mobile, Alabama	29.91	759.7	29.95	760.7	54.6	12.6	83	nw.	6	2.7		o	o			0.08	2.0	clear	H. U. Jones.
Montgomery, Alabama	29.67	753.6	29.90	759.4	56.2	13.4	72	nw.	8	3.6			10 s		nw.	0.06	1.5	cloudy	S. M. Leitzell.
Moorhead, Minnesota	29.41	747.0	30.44	773.2	34.6	1.4	65	ne.	4	1.8		o	o			o	o	clear	L. M. Dey.
Mt. Washington, N. H.	23.57	598.7	29.98	761.5	9.0	—12.8	83	nw.	30	13.4		o	o			0.02	0.5	clear	E. A. Beals.
Nashville, Tennessee	29.27	743.4	29.85	758.2	48.0	8.9	95	W.	5	2.2			10 n		W.	1.16	29.5	light rain	L. N. Jesunofsky
New Haven, Connecticut	30.03	762.7	30.15	765.8	36	2.2	41	n.	18	8.0		3 c	o			o	o	clear	J. H. Sherman.
New London, Connecticut	30.08	764.0	30.13	765.3	40.0	4.4	40	nw.	13	5.8		3 c	o	W.		0.02	0.5	clear	J. G. Lynch.
New Orleans, Louisiana	29.92	760 0	29.98	761.5	59.2	15.1	69	nw.	8	3.6		o	8 ks		nw.	o	o	cloudy	M. Herman.
New York, New York	30.02	762.5	30.20	767.1	39.3	4.1	43	n.	10	4.5		o	4s;fg		n.	o	o	fair	W. Finn.
Norfolk, Virginia	30.02	762.5	30.05	763.3	46.3	7.9	92	ne.	15	6.7			10 n		ne.	0.34	8.6	light rain	Wm. Davis.
North Platte, Nebraska	27.34	694.4	30.30	769.6	34.0	1.4	79	calm	o	o		o	4 s			o	o	fair	E. F. Brady.
Olympia, Washington Ter	29.90	759 4	29.94	760.5	51.0	10.6	93	calm	o	o			10 n			0.48	12.2	light rain	J. Descombes.
Omaha, Nebraska	29.12	739.6	30.33	770.4	31.7	1.5	78	n.	4	1.8		o	o			inap.	inap.	clear	A. Pollak
Oswego, New York	29.95	760.7	30.29	769.4	35.5	1.9	73	n.	8	3.6		o	hz.			inap.	inap.	clear	J. G. Linsley.
Palestine, Texas	29.57	751.1	30.13	765.3	44.3	6.8	82	nw.	12	5.4			10 s			o	o	cloudy	P. T. Jenkins.
Pensacola, Florida	29.89	759.2	29.92	760 0	57.2	14.0	80	nw.	4	1.8		o	o			o	o	clear	M. McGauran.
Philadelphia, Pa	30.09	764.3	30.22	767.6	39	3.9	60	n.	16	7.2		8ck;cs	hz.	W.		o	o	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.73	450.3	30.01	762.2	7.0	—13.9	69	n.	16	7.2		3 ck	o	nw.		inap.	inap.	clear	H. Hall.
Pittsburg, Pennsylvania	29.34	745.2	30.17	766.3	39.7	4.3	37	e.	9	4.0			10 s		sw.	o	o	cloudy	O. D. Stewart.
Poplar River, Montana					31.0	— 0.6	65					o	o			o	o	clear	Geo. A. Carden.
Port Huron, Michigan	29.59	751.6	30.29	769.4	35.5	1.9	64	ne.	15	6.7		o	o			o	o	clear	M. H. Perry
Portland, Maine	30.02	762.5	30.07	763.8	34.4	1.3	53	n.	17	7.6		o	o			0.07	1.8	clear	W. W. Eichelberger.
Portland, Oregon	29.86	758.4	29.93	760.2	48.8	9.3	90	s.	3	1.3			10 s			0.24	6.1	cloudy	M. L. Hearne.
Prescott, Arizona	24.72	627.9	29.98	761.5	38.7	3.7	77	calm	o	o		o	o			o	o	clear	J. Glover.
Provincetown, Mass.																			O. N. Kitchel.
Red Bluff, California	29.60	751.8	29.96	761.0	56	13.3	96	s.	1	0.4		o	6 c			0.07	1.8	fair	J. R. Williams.
Rio Grande City, Texas	30.00	762.0	30.24	768.1	46.5	8.1	92	ne.	1	0.4		o	o			o	o	clear	L. G. Schultz.
Rochester, N. Y.	29.63	752.6	30.32	770.1	36.6	2.6	59	ne.	4	1.8		1 c	o			o	o	clear	E. W. McGann.
Roseburg, Oregon	29.40	746.7	29.96	761.0	48.7	9.3	93	calm	o	o			10 s			0.09	2.3	threatening	J. J. Nanry.
Sacramento, California	29.91	759.7	29.98	761.5	54.2	12.3	91	se.	6	2.7			10 s		s.	o	o	cloudy	J. A. Barwick
St. Louis, Missouri	29.36	745.7	29.99	761.7	35.0	1.7	100	n.	17	7.6			10 n		n.	0.44	11.2	light rain	J. H. Weber.
St. Michael, Fort, Alaska	29.84	757.9	29.88	758.9	17.2	— 8.2	93	n.	20	8.9			10 s		n.	o	o	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.52	749.8	30.40	772.1	38.0	3.3	47	ne.	3	1.3		3 c	o	W.		o	o	clear	P. F. Lyons.
St. Vincent, Minnesota	29.55	750.6	30.46	773.7	30	— 1.1	88	s.	3	1.3		o	o			o	o	clear	C. B. Dilley.
Salt Lake City, Utah	25 68	652 3	30.05	763.3	46.6	8.1	60	se.	3	1.3		o	o			0.11	2.8	clear	J. Craig.
San Diego, California	29.89	759.2	29.96	761.0	55.2	12.9	93	calm	o	o			10 s			o	o	cloudy	F. R. Day.
Sandusky, Ohio	29.53	750.0	30.23	767.8	39.2	4.0	54	ne.	35	15.6			10 ks		e.	inap.	inap.	cloudy	B. F. Hough.
Sandy Hook, New Jersey	30.16	765.1	30.19	766.8	38.0	3.3	54	n.	26	11.6		10 c	o			o	o	cloudy	V. P. Chappel.
Sanford, Florida	29.79	756.7	29.84	757.9	69.1	20.6	90	s.	4	1.8		1 c	8 ks		sw.	0.43	10.9	cloudy	J. B. Marbury
San Francisco, California	29.95	760.7	30.02	762.5	54.0	12.2	88	nw	5	2.2			9 fg		w.	o	o	dense fog	N. Gorom.
Savannah, Georgia	29.72	754.9	29.81	757.2	65	20.0	92	sw.	4	1.8			10 n		sw.	1.16	29.5	light rain	H. W. Ford.
Shaw, Fort, Montana	26.37	669.8	30.04	763.0	30.5	— 0.8	81	w.	4	1.8		o	o			o	o	clear	A. L. Mathews.
Shreveport, Louisiana	29.84	757.9	30.08	764.0	46.2	7.9	70	nw.	12	5.4			10 s		nw.	0.02	0.5	cloudy	E. N. Meekins.
Sitka, Alaska	29.68	753.9	29.75	755.6	45.7	7.6	58	e.	3	1.3			10 ks		e.	o	o	cloudy	F. W. Ficketts.
Smithville, North Carolina	29.70	755.9	29.80	756.9	60.2	15.7	97	ne.	14	6.3			10 n		ne.	1.12	28.4	light rain	O. Parker.
Spokane Falls, Wash. Ter.	27.87	707.9	29.93	760.2	53.0	11.7	77	se.	4	1.8			10 s		s.	o	o	cloudy	D. Moore.
Springfield, Illinois	29.27	743.4	29.97	761.2	30.1	2.3	80	ne.	20	8.9			10 n			0.14	3.6	light rain	W. Norrington.
Stockton, Fort, Texas	27.13	689.1	30.16	766.1	37.8	3.2	59	se.	3	1.3		o	o			o	o	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.79	756.7	29.88	758.9	50.3	10.2	95	se.	6	2.7			10 n			0.09	2.3	light rain	R. Connor.
Thomas, Camp, Arizona	27.20	692.4	29.99	761.7	39.2	4.0	43	e.			1	o	o			o	o	clear	R. C. Lord.
Toledo, Ohio	29.49	749.0	30.20	767.1	39.8	4.3	49	ne.	48	21.5		9 cs	o	sw.		o	o	cloudy	A. Buell.
Unalashka, Alaska	29.57	751.1	29.59	751.6	33	0.6	68	sw.	14	6.3			8 s			0.31	7.9	cloudy	Samuel Applegate.
Vicksburg, Mississippi	29.75	755.6	30.01	762.2	53.8	12.1	71	w.	11	4.9			10 s		sw.	inap.	inap.	cloudy	F. W. Mixer.
Washington, D. C.	30.09	764.3	30.21	767.3	41.4	5.2	46	ne.	10	4.5			10 s		ne.	o	o	cloudy	T. B. Harrison.
West Las Animas, Colorado	26.22	666.0	30.17	766.3	29.5	— 1.4	94	e.	8	3.6			10 s			o	o	cloudy	F. H. Brandenburg.
Wilmington, N. Carolina	29.70	755.9	29.82	757.4	57.3	14.1	93	e.	13	5.8			10 s			1.16	29.5	cloudy	L. H. Albrecht.
Yankton, Dakota	29.00	738.1	30.40	772.1	33.0	0.9	64	n.	4	1.8		9 c	o			o	o	cloudy	E. H. Thompson.
Yuma, Arizona	29.71	754.6	29.80	758.4	52.0	15.0	68	calm	o	o		o	o			o	o	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	30.09	764.3	30.11	764.8	32.0	0.0		s.	17	7.6			10 n			o	o	cloudy	George Cheruick.
Bluefields, Nicaragua, C. A.					84	28.9		nw.			1	o	7 k		ne.	0.10	2.5	cloudy	W. F. Jackson.
Bogota, U. S. C.	22.03	559.7			52.7	11.5	90	calm	o	o		6 cs	o	sw.		0.083	2.1		Joaquim Gomez.
Chimo, Fort, Ungava	30.14	765.5	30.28	769.1	33	0.6	88	sw	32	14.3			10 s		sw.	o	o	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.			29.96	761.0	80	26.7	78	calm	o	o		3 cs	o			o	o	fine	Robert Johnston.
Paramaribo, S. A.	30.01	762.2	30.01	762.2	80	26.7	82	ese.			2	3 c	4 k	e.	e.	0.030	16.0		Dr. C. J. Herms.
Puerto Berrio, U. S. C.	29.52?	749.8?	30.08?	764.0?	78	25.6	89	calm			0	1 ck	1 k	calm	calm	o	o	clear	Francisco J. Olsucrez.
Rivas, Nicaragua, C. A.	29.90?	759.4?	30.00?	763.5?	75	23.9	88	ne.			1		10 n		ne.	1.87	47.5	cloudy	Earl Flint.
York Factory, B. A.	30.32	770.1	30.38	771.6	— 2.5	—19.2	83	nw.	10	4.5		2 k	2 s	nw.	nw.	0.01	0.3	fair	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon																			P. Fasiani.
Naos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Arizona, N. 49° 13′, W. 28° 22′			47	8.3		nw.			2		8		wnw.			sm'h		¾ covered.
S. S. Alvo, Kingston, Jamaica, W.I *.	29.94	760.5	78	25.6		ese.			3		4		se.	0	0			fair.
S. S. Alps, N. 36° 51′, W. 73° 57′			59?	15.0?		ne.			6		10		ne.	rain	rain	chop	ne.	overcast.
S. S. Anchoria, N. 41° 59′, W. 57° 18′						e.			5		3		se.	8 h'r	8 h'r	h'vy	se.	fine.
S. S. Assyrian Monarch, N. 40° 45′, W. 59° 22′ †	29.74	755.4	63	17.2		e.			6		4		e.	4 h'r	4 h'r	high	e.	fair.
S. S. Bothnia, N. 50° 36′, W. 23° 38′	29.91	759.7				ese.			2		5		e.	0	0	sm'h		fair.
S. S. City of Washington, N. 21° 20′, W 89° 38′ *†	29.98	761.5	83	28.3		n.			3		10		n.	0	0			cloudy.
S. S. Canada, (Br) N. 40° 54′, W. 67° 52′	29.99	761.7	43	6.1	92	nne.			5		10			0	0	r'gh	nne.	dense mist.
S. S. Cienfuegos, Cienfuegos, Cuba, W. I.	29.98	761.5	76	24.4		e.			1		1		se.	0	0			clear.
S. S. Canada, (Fr) N. 49° 12′, W. 25° 02′	29.98	761.6	48.2	9.0		w.			2	ck		w.				sm'h	wnw.	clear.
Bk. C. S. Bushnell, N. 41° 41′, W. 45° 03′	30.13	765.3				ese.			3		2		ese.	0	0	long	ese.	d. clouds.
S. S. Eider, N. 44° 20′, W. 46° 54′ *	30.16	766.0	55.4	13.0		e.			2–3		2		e.	0	0	sm'h	e.	clear.
S. S. Egypt, N. 41° 34′, W. 45° 32′			62	16.7		n.			2		2		w.	0	0	long	n.	clear.
S. S. Holland, N. 47° 33′, W. 23° 52′	29.96	761.0	56	13.3		wnw.			3		3		nw.	0	0	light	nw.	clear.
S. S. Helvetia, N. 40° 27′, W. 70° 00′*	29.97	761.2	42	5.6	100	nne.			5		10			0	0	mod	nne.	dense mist.
S. S. Lord Clive, N. 44° 17′, W. 42° 27′*	29.90	759.4				ne.			2		5		ne.	0	0	sm'h		fine
S. S. Lone Star, N. 25° 36′, W. 85° 33′			76	24.4		wnw.			4		10?		nw.	2 h'r	2 h'r	r'gh	var.	clear.?
S. S. Llandaff City, N. 40° 06′, W. 64° 40′*†	29.82	757.4	68?	20.0?		n.			5		10		n.	20 h'r	20 h'r	mod.	n.	foggy.
S. S. Madrid, N. 38° 22′, W. 67° 20′			49	9.4	93	n.			5		9		calm	2 h'r	2 h'r	mod.	ne.	cloudy.
S. S. Main, N. 40° 37′, W. 57° 29′	29.78	756.4	59.0	15		ese.			6		7		ese.	3 h'r	3 h'r	high	ese.	squally.
S. S. Nurnberg, N. 37° 41′, W. 74° 06′	30.07	763.8	46.4	8.0		nnw.			5		10		n.	½h'r	½h'r	mod.	n.	covered.
S. S. Nova Scotian, N. 42° 05′, W. 65° 47′	29.94	760.5	42	5.6		nnw.			3							sm'h		foggy
S. S. Nessmore, N. 48° 46′, W. 23° 33′	29.96	761.0	53	11.7	73	nne.			2		1?		n	0	0	sm'h	n.	overcast?
S. S. Normandie, N. 46° 42′, W. 28° 40′			55.4	13.		n.			2		7		n.	0	0	sm'h		fair.
S. S. Orinoco, Bermuda, Atlantic			70	21.1		w.			3		5		w.	0	0			fair.
S. S. Polynesian, Halifax, N. S.			42	5.6		w.			2		fg.					sm'h		cloudy.
S. S. Rosse, N. 41° 02′, W. 55° 06′	29.90	759.4	64	17.8	83	e.			6		4		e.	2 h'r	2 h'r	h'vy	ene.	fair.
S. S. Rhaetia, N. 46° 54′, W. 34° 56′			47	8.3		w.			3		7		nw.	0	0	mod.	nw.	fair.
S. S. Rhein, N. 40° 33′, W. 69° 28′	30.00	762 0				nw.			4		3		nw.	0	0	mod.	nw.	fair.
S. S. State of Nebraska, N 52° 33′, W. 22° 15′ *†	29.92	760.0	43	6.1		w.			4		6		w.	3 h'r	3 h'r	sm'h		showery.
S. S. Salier, N. 49° 35′, W. 10° 08′	29.97	761.2				e.			3–4		2		e.	2 h'r	2 h'r	mod.	nnw.	clear.
S. S. Valencia, N. 29° 50′ W. 71° 14′ †	30.04	763.0	70.5	21.4	73	ese.			1		1		se.	0	0	light	e.	clear.
S. S. Westernland, N. 48° 55′, W. 21° 48′	29.96	761.0	53	11.7	79	wsw.			3		6		wsw.	0	0	light	sw.	fair.
S. S. Waesland, N. 41° 14′, W. 61° 25′	29.83	757.7	62	16.7		nne.			2		6		n.	6 h'r	6 h'r	mod.	se.	showery.
S. S. Lessing, N. 43° 24′, W. 41° 15′	30.07	763.8	63	17.2		ne.			3		1		ne.	0	0	sm'h	ne.	clear.
Schr. Adda Doane, Port Antonio, Jamaica, W. I†	30.03	762.7				sse.			1		2		e.	0	0			clear.
S. S. America, N. 50° —′, W. 4° —′*	30.02	762.5	52	11.1		ene.			5		4		nne.	0	0	light	ene.	fair.
Bg. Belle of Bay, N. 34° 10′, W. 74° 27′ *†	29.95	760.7				ese.			6		5		e.	4 h'r	4 h'r	con.	ne.	raining.
S. S. Celtic, N. 45° 25′, W. 39° 53′			54	12.2		n.			4		8		n.			sm'h	nw.	cloudy.
S. S. Caracas, Curacoa, W. I *†	30.01	762.2	79	26.1	82	e.			5		5		e.	0	0	mod.	e.	light squalls.
S. S City of Merida, N. 19° 11′, W. 96° 08′*†	30.00	762.0	69.8	21.		n.			1		10		n.	0	0			cloudy.
S. S. Chalmette, N. 30° 18′, W. 80° 30′ †	29.88	758.9	72	22.2		ssw.			5		6		ssw.	12 h'r	12 h'r	mod	s.	fair.
S. S. Elysia, N. 46° 27′, W. 35° 49′ *	30.09	764.3	51	10.6		ne.			3		4		ne.	0	0	sm'h		fine.
S. S. Erin, N. 40° 52′, W. 47° 51′	30.15	765.8	58	14.4		e.			4		2		e.	3 h'r	3 h'r	sm'h	e.	clear.
S. S. Foscolia, N. 28° 06′, W. 68° 12′			70	21.1		wnw.			3		2		wnw.	0	0	long	nw.	fine.
S. S. Grecian, N. 51° 11′, W. 29° 17′	29.96	761.0	44	6.7	68	nnw.			3		10		se.	0	0	sm'h		cloudy.
S. S. Hohenstaufen, Baltimore, Md	30.22	767.6	42	5.6		ne.			4		8		ne.	0	0			overcast
Bg. Lilian, Demerara, Brit. Guiana †	29.96	761.0				ene.			3		3			0	0			fair.
S. S. Muriel, N. 39° 20′, W. 73° 24′			43	6.1		nnw.			3		0			0	0	r'gh	n.	fair.
S. S. Neckar, N. 49° 45′, W. 12° 42′	29.93	760.2	54.5	12.5		e.			2		10		w.	0	0	sm'h		cloudy.
S. S. Ontario, N. 46° 04′, W. 36° 24′	30.17	766.3	60	15.6	94	nne.			2		5		ne.	0	0	sm'h	e.	fair.
S. S. Pennsylvania, Liverpool, Eng †	30.12	765.0	52	11.1	86	ese.			3		3		e.	0	0			clear.
Bk. Tros, N. 37° 50′, W. 74° 19′			43	6.1		ne.			3				ne.	0	0	mod.	ne.	cloudy.
S. S. Werra, N. 48° 27′, W. 25° 56′*	29.95	760.7	50.0	10.0		n.			3		8		nnw.	0	0	sm'h	nnw.	cloudy.
U. S. S. Alliance, Key West, Fla	30.00	762.0	77	25.0	82	ssw.			4		5			0	0	sm'h		fair.
U. S. S. Galena, N. 17° 17′, W. 68° 06′ *	29.99	761.7	78	25.6	78	ese.			2		5		ese.			sm'h		fair.
U. S. S. Jamestown, St. Kitts, W.I.	30.08	764.0	80	26.7	62	ene.			1		5					sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.98	761.5	71	21.7	58	nw.			2		2		calm					fair.
U. S. S. Lancaster, Smyrna, Turkey	29.97	761.2	73	22.8	67	w.			3		2					sm'h		fair.
U. S. S. New Hampshire, Newport, R. I.	30.11	764.8	35	1.7	54	n.			5		5							fair.
U. S. S. Ossipee, Norfolk, Va *	30.03	762.7	46	7.8	92	ene.			5		10		se					raining.
U. S. S. Pensacola, N. 12° 01′, W. 59° 30′†	30.04	763.0	79	26.1	82	ne.			3		8		ene.	0.03	0.8	sm'h		cloudy.
U. S. S. Portsmouth, N. 38° 29′, W. 73° 37′			43	6.1	67	nne.			4		10		ne.			mod.		overcast.
U. S. S. Powhatan, Newport, R. I	30.10	764 5	42	5.6	74	nnw.			5		5							fair.
U. S. S. Quinnebaug, N. 33° 19′, E. 28° 39′	29.97	761.2	67	19.4	84	n.			3		2		n			sm'h		fair.
U. S. S. Saratoga, Lisbon, Portugal	29.31	744.5	60	15.6	88	sw.			3		8		sw.	0	0	sm'h		fair.
U. S. S. Swatara, Matanzas, Cuba, W. I.	29.93	760.2	76	24.4	91	calm			0		8		calm	0	0	sm'h		cloudy.
U. S. S. Tennessee, Key West, Fla	29.92	760.0	80	26.7	82	ssw.			4		8		s.	0	0			cloudy.
U. S. S. Vandalia, Matanzas, Cuba, W. I.	29.92	760.0	75	23.9	81	s.			1		5		calm					fair.
U. S. S. Yantic, N. 24° 27′, W. 81° 52′	29.98	761.5	78	25.6	86	ssw.			3		10					sm'h		cloudy.
U. S. Navy Yard, Portsmouth, N. H *	30.00	762.0	36	2.2	61	nw.	10	4.5			0			0.1	3.			clear.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.77	756.1	78	25.6	65	sse.			2		1		sse.					blue sky.
H. M. S. Alecto, N. 4° 53′, W. 1° 38′	29.80	756.9	84	28.9		sw.			4		7					4	ssw.	d. clouds.
H. M. S. Inflexible, Corfu, Ionian Islands			63	17.2	94	e.			5		0					4	e.	
H. M. S. Minotaur, N. 37° 04′, E. 11° 45′	29.68	753.9	65	18.3	84	se.			3		10					1	se.	heavy mist.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.90	759.5	82.0	27.8	82	sse.			4		8		se.	4 h'r	4 h'r	3	se.	
S. S. British Crown, N. 39° 10′, W. 63° 28′			61	16.1		n.			4		3		nne.	0	0	slt	e.	clear.
S. S. Ohio, (Am) N. 50° 10′, W 15° 26′			50.5	10.3	96	se.			4		0			0	0	mod.	se.	clear.
S. S. Scandinavian, N. 42° 00′, W. 58° 16′	29.85	758.2	60	15 6		e.			5		3		e.	sh'rs	sh'rs	h'vy	ese.	d. clouds.
S. S. Athos, N. 12° 36′, W. 76° 12						nne.			2		5?		ene.	0	0	mod.	ene.	clear.?
S. S. Dorian, Boston, Mass	30.08	764.0				nw.			6					0	0			fine.
S. S. California, N. 42° 09′, W. 64° 44′						nw.			3		1		n.	0	0	sm'h		
S. S. St. Laurent, N. 40° 32′, W. 73° 55′	30.14	765 5	42.8	6.0		n.			5		0			0	0	sm'h		clear.
S. S. Hammonia, Cherbourg, France			46	7.8		ne.			6		3		ne,	0	0	sm'h		clear.
S. S. Hevelius, Liverpool, Eng†	29.99	761.7	49	9.4		e.			4		4		ene.	0	0			clear.
S. S. Sirius, Lisbon, Portugal	29.32	744.7				s.			3		9		s.	6 h'r	6 h'r			
S. S. Teniers, N. 35° 26′, W. 16° 00′	29.73	755.1	60.4	15.4		wnw.			6	c	7 ks	ssw.				6	vbr.	d clouds.
S. S. Archimede, (It.) Messina, Sicily †	29.82	757.4	72	22.2		s.			4		3		s.	0	0			clear.
S. S. Gottardo, N. 35° 12′, W. 24° 00′			64	17.8		ne.			2		10		ne.	0	0			
S. S. Strassburg, N. 40° 54′, W. 12° 17′	29.40	746.7	58	14.4	88	e.			4–5		9		ene.	1½h'r	1½h'r	5	nne.	rain squalls.
S. S. Rhynland, N. 48° 43′, W. 17° 45′			57	13.9	87	calm			0		2		ne.	0	0	sm'h		fair.
S. S. Pennland, Antwerp, Belgium			50	10.0	79	ene.			3		3		ene.	0	0			fair.
S. S. Amsterdam, N. 40° 49′, W. 58° 00′			57.6	14.2	91	ese.			5		6		e.	0	0	high	se.	misty.
S. S. W. A. Scholten, N. 49° 46′, W. 6° 24′			52.2	11.2	85	e.			4		6		e.	0	0	1	e.	fair.
S. S. Britannic, N. 41° 24′, W. 53° 49′†	29.90	759.4	58	14.4		e.			6		3		ne.	5 h'r	5 h'r	high	e.	d. clouds.
S. S. Salerno, N. 42° 18′, W. 40° 47′			60	15.6		e.			3		4		se.	0	0		e.	fine.
Bg. Alcira. Maracaybo, Venezuela			86	30 0		calm			0		1?		calm	0	0			cloudy.?
S. S. Antonio Lopez, Cadiz, Spain	29.58	751.3	62	16.7	86	s.			6		8			6 h'r	6 h'r			squally.
Schr. Arthur Burton, Arroyo, Porto Rico, W. I†	30.07	763.8				ne.			1		2		ene.	0	0	sm'h	se.	fine.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W.I†	30.01	762.2	79	26.1		se.			1		0			0	0			clear.
Schr. Annie A. Holton, N 23° 42′, W. 84° 28′			84	28.9		ssw.			5		8		sw.	10 mi	nutes	mod.	sw.	cloudy
Bg. Abbie Clifford, Port of Spain, Trinidad, W.I†	29.93	760.2	80	26.7		ne.			1		7		e	3 h'r	3 h'r			
Bgt. Achsah, N. 39° 54′, W. 65° 07′†	29.88	758.9	64	17.8		nnw.			6		5		nnw.	0	0	r'gh	nnw.	fair.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
									Force.	Amount and kind.		Direction.						
						Direction.	Velocity			Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
S. Annie, Bayonne, N. J	30.18	766.6				nne.			2							light		clearing.
Bk. Adelaide, N. 28° 43′, W. 70° 45′			72	22.2		s.			1		0			0	0	light	n.	hazy.
Schr. Abbie H. Gheen, Wilmington, Del			56	13.3		n.			3									fair.
Bk. Benjamin Dickerman, Surinam, Dutch Guiana†*	29.98	761.5	80	26.7		ne.			5		5		ne.	1 h'r	1 h'r			smoky.
Bk. Chas. Stewart, N. 38° 15.′ E. 7° 42′						e.			4		8		e.	0	0	mod	w.	cloudy.
S. Cornelius, N. 19° 17′. W. 38° 24′*†	30.16	766.1	77	25.0		ene.			2		4			0	0	long	n	fair.
Bkt. Corisande, N. 40° 15′, W. 70° 24′	30.03	762.7				n.			6				n.	c	0	mod	nne.	cloudy
Bk. Diamant, N. 44° 30′, W. 19° 0′	29.82	757.5	51.3	10.7	75	ne.			2		10		ne.	3 h'r	3 h'r	4	ene.	covered.
S. E. J. Spicer, N. 43° 18′, W 24° 40′	29.99	761.7	55	12.8	93	ne.			2		3		ene.	rain	rain	mod	se.	fair.
Bk. Fred W. Carlon, N. 31° 05′, W. 72° 34′†	30.02	762.5	72	22.2		se.			2		8		se.	0	0	mod.	e.	cloudy.
S. Ismir, N. 25° 11′, W. 67° 40′						calm			0		3		calm	0	0	sm'h		fine.
Bk. Gloire, N. 42° 50′, W. 36° 00′	30.14	765.5	54.5	12.5	80	nne.			3				ne.	0	0	long	e.	fair.
S. Grecian, N. 49° 40′, W. 6° 55′ †	29.93	760.2	49	9.4	64	e.			6		2		e.	0	0	sm'h		clear.
S. Hedwig, N. 38° 11′, E. 6° 56′	29.69	754.0	62.6	17.0	97	e.			2		10		w.	0	0	1	wsw.	overcast.
Bk. Hattie G. McFarland, Pascagoula, Miss			62	16.7		nnw.			5		4		n.	3 h'r	3 h'r			fine.
S. Henry, N 38° 13′. E 6° 40′*	29.67	753.6	61.9	16.6		ese.			2-3		10					sm'h		cloudy.
Bk. Horace Scudder, N. 0° 28′, E. 8° 13′			79	26.1		sse.			3		8		s.	0	0			cloudy.
Bk. Ibis, N. 31° 24′, W. 71° 16′			67	19.4		nne.			6		3		ne.	2 h'r	2 h'r	sm'h	nne.	fine.
Schr Jennie N. Huddell, Potomac river †	30.14	765.5	46	7.8		ne.			5		10		ne.					light rain.
Bg John Wesley, Sagua la Grande, Cuba, W. I *†	29.96	761.0				ssw.			3		7		sw.	¾ h'r	¾ h'r			cloudy.
Bg. John Welsh, jr., N. 21° 17′, W. 69° 24′						calm			0		0					sm'h	se.	clear.
Schr. John Bird, N. 34° 17′, W. 74° 57′ *†	29.90	759.4				se.			6		10		se.	10 h'r	10 h'r	cross	var.	
Schr. Jenny Greenbank, N. 22° 30′, W. 74° 30′ *	30.03	762.7	78	25.6		sse.			2		3		se.	0	0	sm'h		clear.
Schr. Jennie R. Morse, Darien, Ga†	29.83	757.7				s.			2		10		w.	12 h'r	12 h'r			
Light-house tender Laurel, Key West, Fla†	29.93	760.2	79	26.1		sw.			2-3		8		sw.	0	0			cloudy.
Bg. L. F. Munson, N. 30° 40′, W. 71° 35′ *†	30.04	763.0	66	18.9		se.			2		4		wsw.	0	0	long	ne.	fair.
Bkt. Levi S. Andrews, N. 37° 50′. W. 60° 00′ *†	29.68	753.9	65.5	18.6		e.			1		8		s.	6 h'r	6 h'r	h'vy	se.	cloudy.
S. S. Mendoza, N. 41° 09′, W. 68° 23′ †	29.95	760.7				nnw.			4				nnw.	0	0	r'gh	ne.	clear.
Schr. Martinique, N. 11° 09′, W. 60° 31′						ene.			2					0	0			fine.
Schr. Norena, Ponce, Porto Rico, W. I†	29.99	761.7				nne.			1					0	0	sm'h		
Bk. Rosalie, N. 18° 51′, W. 53° 53′*†	30.04	763.0				s.			2		0			0	0	light	se.	clear.
Bk. Rosina, N. 35° 08′, W. 17° 54′	29.72	754.9	60	15.6		wnw.			7		6		nw.	0	0	r'gh	n.	cloudy.
Bkt. Rosebud, N. 2° 13′, W. 26° 00′ *	30.00	762.0	84	28.9		var.			1-2		5?		var.	2 h'r	2 h'r	sm'h		clear.?
S Salisbury, N. 37° 02′, E. 12° 01′	29.65	753.1	64.0	17.8	87	se.			6		5 n		se.; w.	0	0	r'gh	se.	fair.
Bk Saga, N. 48° 08′, W. 23° 15′†	30.02	762.5	53	11.7							5			¼ h'r	¼ h'r	3		fair.
Bk. Sunbeam, N. 24° 30′, W. 24° 56′†	30.10	764.5	70	21.1	90	n.			3		1		n.	0	0	mod.	w.	clear.
Bgt. Sunlight, N. 33° 17′, W. 65° 00′						nw.			4		3		nw.	0	0	sm'h		fair.
S. Stephen D. Horton, New York, N. Y						ne.			5		3			0	0			clear.
Bk. Silica, N. 61° 09′, W. 48° 28′*	30.09	764.3				se.			5					snow	snow			overcast.
Bg. Teneriffe, N. 26° 05′, W. 76° 55′	29.99	761.7				sse.			3		2		sw.	0	0			
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.02	762.5	78	25.6		sw.			2		4		sw.	3 h'r	3 h'r			fair.
Bk. Winifred, N. 34° 29′, W. 58° 50′*†	29.70	754.4												rain	rain		wsw.	
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 17° 54′, W. 3° 22′	29.91	759.7	73	22.2	81	se.	15	6.7			8		se.	0.02	0.5	sm'h		fair.
H. M. S. Amethyst, Rio de la Plata	29.87	758.7	58	14.4	88	n			1		8	s.						overcast.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.95	760.7	70	21.1		calm			0		1							blue sky.
H. M. S. Sylvia, Simons Bay, Cape Colony	29.99	761.7	72.7	22.6	69	ese.			1		5		wsw.					d. clouds.
Bk. Aureolia, S. 0° 17′, W. 26° 14′ †	30.10	761.5	84	28.9	75	n.			1		3			0	0	mod.	s.	clear.
Bk. Achille F., S. 35° —′, W. 52° 15′*†	30.05	763.3	03	17.2	86	w.			4		3		wsw.	0	0		s.	
S Frank N. Thayer, S. 41° 52′. E. 15° 55′ *	30.11	764.8	55	12.8	62	sse.			6		3 k		sse.	5 h'r	5 h'r	mod.	ssw.	blue sky.
S. Gatherer. S. 49° 18′, W. 58° 15′ †	29.40	746.7	46	7.8	92	sw.			4		2		sw.	¼ h'r	¼ h'r		sw.	clear.
S. Ringleader, S. 28° 20′, W. 33° 00′†	29.98	761.5	75	23.9	81	nnw.			3		3		nnw.	0	0	long	s.	clear.
S. S. Archimedes, (Br) S. 6° 20′, W. 33° 13′	29.92	760.0				se.			4		2		ese.	0	0	mod.	ese.	fair.
Bk. Xenia, S. 41° 20′, E. 4° 59′ *†	30.20	767.1	54	12.2		w.			2		4		wsw.	0	0	mod.	wsw.	clear.
H.P.M.S.Rainha de Portugal, Mossamedes, Benguela.	29.88	759.0	76.1	24.5	66	wnw.			2		1			0	0	2		blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, N. 58° 30′, W. 135° 49′ †	29.71	754.6	43	6.1	74	calm			0		10							cloudy.
U. S. Naval Hospital, Yokohama, Japan	29.48	748 8	56	13.3	94	calm			0		10			1.36	34.5			gloomy.
U. S. S. Alert, Shanghai, China	30.05	763.3	56	13.3	94	ne.			2		0							clear.
U. S. S. Enterprise, Canton, China	29.92	760.0	80	26.7	74	calm			0		8		calm					cloudy.
U. S. S. Essex, N. 10° 00′, E. 164° 14′	29.96	761.0	80	26.7	82	ne.			4		2		ne.			sm'h		clear.
U. S. S Juniata, Fernando Island, Corea	29.82	757.4	48	8.9	78	wnw.			5		0			0	0			clear.
U. S. S. Monocacy, Canton, China	29.91	759.7	82	27.8	56	calm			0		2			0	0			fair.
U. S. S. Ranger, Fonseca Bay, C.A	29.97	761.2	79	26.1	86	calm			0		10			0.32	8.1			overcast.
U. S. S. Richmond, N. 0° 33′ E. 104° 39′	29.91	759.7	84	28.9	87	se.			3		2		se.	0	0	sm'h		clear.
U S. S. Trenton, Singapore. Malay Peninsula	29.85	758.2	84	28.9	96	s.			2		2							clear.
H. M. S. Audacious, Hong Kong, China	29.94	760.5	76	24.4	84	calm			0		0							misty.
H. M. S. Cleopatra, N. 34° 48′, E. 124° 27′	29.95	760.7	51.5	10.8	82	nnw.			5		0					7	nw.	squally.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.05	763.3	66	18.9	80	ene.			2		0							blue sky.
H. P. M. S. Tamega, Macao, China	29.94	760.4	80.6	27.0	76	calm			0		1			0	0			d. clouds.
U. S. S. Palos, Shanghai, China	30.05	763.3	54	12.2	93	nne.			2		0							clear.
S. S. Newbern, N. 23° 00′, W. 108° 30′			65	18.3	84	nnw.			3		5		wnw.	0	0	small	w.	fair.
S. S. Columbia, N. 46° 03′, W 124° 02′*†	29.92	760 0	52	11.1	100	s.			3		8		s.	0	0	sm'h	s.	rainy.
S. S. Oceanic, N. 32° 16′, E. 134° 20′	29.63	752.6	67	19.4	84	nnw.			5		5			0	0	4		fair.
S. S. Alameda, N. 22° 00′, W. 156° 25′†	30.13	765.3	69	20.6		ne.			3				ne.	0	0			fine.
S. S. Orizaba, San Francisco, Cal			55	12.8	93	calm			0		10			0	0			overcast.
S. S. City of Pekin, N. 45° 05′, W. 146° 42′			43	6.1	83	nw.			2		10			0	0	light	nw.	misty.
S. S. City of Rio de Janeiro, Yokohama, Japan †	29.48	748.8	60	15.6		calm			0		8		ssw.					overcast.
S. S. City of Tokio, N. 37° 46′. W. 174° 13′†	29.91	759.7	53	11.7	93	e.			6		10		e.	12 h'r	12 h'r	h'vy	e.	rain & fog.
S. S. Colima, N. 7° 10′, W. 80° 50′†	29.92	760.0	77	25.0	91	sse.			2		6		se.	0	0	small	se.	fair.
S. S. San Blas, N. 15° 54′, W. 95° 32′			78	25.6	95	nne.			4		3		calm	0	0		nne.	clear.
S. S. San José, N. 21° 45′, W. 105° 37′†	29.87	758.7	66	18.9	94	se.			2		0			0	0		nw.	clear.
S. S. Zealandia, N. 17° 59′, W. 159° 11′	30.05	763.3	75	23.9	81	ne.			2		2		ne					fine.
S. S. Benalder, N. 24° —′, E. 118° 15′	30.00	762.0	70	21.1	90	nne.			2		0			0	0			clear
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao, Peru	30.03	762.7	71	21.7	95	se.			2		10					sm'h		cloudy.
U. S. S. Lackawanna, Callao, Peru	29.95	760.7	70	21.1	90	calm			0		10							cloudy.
U. S. S. Onward, Callao, Peru *†	30.10	764.5	71	21.7	95	calm			0		10					long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	30.04	763.0	60	15.6	88	se.			1		10		calm					misty.
U. S. S. Shenandoah, S 51° 54′, W. 73° 40′*	29.60	751.8	43	6.1	92	ssw.			2		10		s.			sm'h		cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	29.98	761.5	59	15.0	94	calm			0		10		calm			sm'h		overcast.
H. M. S. Nelson, Sydney, N. S. W	29.90	759.4	63	17.2	94	calm			0		8							blue sky.
H. M. S. Sappho, Valparaiso, Chili	30.02	762.5	60	15.6	94	e.			1		8		ne.					misty.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.97	761.2	60	15.6		calm			0		10							misty.
S. S. Australia, Sydney, N.S.W*	29.79	756.7	68	20.0	95				2		4		e.	0	0			
District No. 5—Indian Ocean.																		
H. M. S. Eurydus, Massuah, Abyssinia	29.80	756.9	86	30.0	86	ne.			3		2		calm					blue sky.
H. M. S. Magpie, S. 5° 50′, E. 60° 35′	29.86	758.4	84.1	28.9	75	se.			2		2					3	se.	blue sky.
H. M. S. Myrmidon, Suakin, Egypt	29.86	758.4	84	28.9	87	n.			3		0							blue sky.
Bk. Childwall, off Kingston N.S.W.*	29.42	747.3	62	16.7	88	ene.			6		7		e.	0	0			fine.
S. J. W. Gildemeister, S. 24° 54′, E. 56° 43′	30.04	763.0	77.0	25	68	ssw.			5	e	9 k		s.	1 h'r	1 h'r	0	var.	overcast.
Bk. Nouva Margherita, S. 21° 27′, E. 77° 16′*†	29.88	758.9				e.			4				e.	0	0		sw.	fair.
S. S. Lepanto, Bombay, India	29.80	756.9	86	30.0		nne.			2		0			0	0			clear.

International Chart I. April 22, 1884. Isobars and Isotherms.



By Order of the Secretary of War:
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 23, 1884,

7 A. M., Washington Mean Time.

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Kemours	.....	.....	29.77	756.2	75.9	24.4	66	nw.	.....	.....	1	.....	3	.....	.....	0	0	pretty fair...	Koziere.
Algiers	.....	.....	29.72	755.0	68.9	20.6	41	wsw.	.....	.....	6	.....	0	.....	.....	0	0	clear.....	Théve.
La Calle	.....	.....	29.70	754.4	69.4	20.8	89	nw.	.....	.....	2	.....	2	.....	.....	0	0	fair	Fonfrède.
Tunis	.....	.....	29.71	754.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.82	757.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.79	756.6	77.0	25.0	.....	W.	.....	.....	1	.....	1	.....	.....	0	0	very fair.....	Abraham.
Biskra	.....	.....	29.73	755.1	84.2	29.0	35	nw.	.....	.....	3	.....	0	.....	.....	0	0	clear.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	29.60	751.8	70.4	21.3	46	nne.	9	4.0	.....	.....	10 k	.....	.....	0.060	1.5	thund'r st'm	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.62	752.3	29.80	756.8	50	10.0	81	nw.	10	4.5	.....	.....	4	.....	nw.	0	0	fair.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.70	754.4	29.79	756.6	59.0	15.0	62	n.	12	5.4	.....	.....	2	.....	.....	0.02	0.5	fine.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.02	737.2	29.56	750.9	56.5	13.6	70	e.	.....	.....	3	.....	10	.....	.....	0.217	5.5	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.92	734.6	29.70	754.3	41.9	5.5	86	ne.	9.8	4.4	.....	.....	10	.....	.....	0.543	13.8	.....	Dr. Wierzbiski
Eperies	28.78	730.9	29.65	753.2	49.5	9.7	79	calm	.....	.....	0	.....	10 ks	.....	.....	inap.	inap.	.....	Julius Mikolik.
Gratz	28.42	721.8	29.66	753.4	50.2	10.1	78	s.	.....	.....	2	.....	10	.....	.....	0.323	8.2	.....	Andreas Rosplut.
Hermannstadt	28.26	717.7	29.65	753.0	61.5	16.4	54	sse.	.....	.....	5	.....	10	.....	.....	0.012	0.3	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.37	720.5	29.73	755.1	40.6	4.8	87	calm	.....	.....	0	.....	10	.....	.....	0.020	0.5	.....	The Staff.
Lemberg	28 78	730.9	29.76	755.9	50.5	10.3	73	e.	.....	.....	2	.....	10	.....	.....	0.323	8.2	.....	Dr. T. Stanecki.
Pola	29.48	748.7	29.63	752.5	59.9	15.5	76	wnw.	.....	.....	4	.....	4	.....	.....	0.181	4.6	raining.....	I. R. Hydrographic Office.
Szathmar	29.10	739.1	29.55	750.6	58.6	14.8	80	s.	.....	.....	4	.....	9	.....	.....	0.437	11.1	.....	Joseph Midlinszky, S. J
Szegedin	29.28	743.7	29.56	750.7	58.6	14.8	87	calm	.....	.....	0	.....	10	.....	.....	.....	.....	raining	Karl Stancel.
Trieste	29.53	750.0	29.63	752.5	59.0	15.0	71	sw.	.....	.....	1	.....	6	.....	.....	0.465	11.8	.....	Royal Academy.
Vienna	29.00	736.5	29.73	755.1	38.5	3.6	90	w.	.....	.....	2	.....	10	.....	.....	0.752	19.1	raining.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	39.6	4.2	94	e.	.....	.....	4	.....	3	.....	.....	0.173	4.4	snowing.....	
Brussels	29.69	754.0	29.89	759.2	44.4	6.9	48	nne.	.....	.....	2	.....	10	nne.	nne.	0	0	.....	.....
Furnes	29.87	758.6	29.89	759.1	.....	.....	.....	ne.	.....	.....	2	.....	2	.....	.....	0	0	.....	.....
Maeseyck	29.78	756.3	29.90	759.5	47.1	8.4	63	n.	.....	.....	4	.....	7	.....	.....	0	0	.....	.....
BRITISH.																			
Aberdeen	29.91	759.7	30.01	762.2	42.0	5.6	54	se.	18	8.0	.....	.....	3	.....	.....	0	0	blue sky.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.94	760.5	49.3	9.6	42	nw.	9	4.0	.....	.....	2	.....	.....	.....	.....	blue sky.....	John Hartnup.
Bolton, Sharples	29.40	746.7	29.94	760.5	46.8	8.2	59	sw.	6	2.7	.....	.....	9	.....	.....	.....	.....	gloomy.....	Thomas Mackereth.
Bradford, Yorkshire	29.55	750.6	29.94	760.5	42.1	5.6	67	se.	.....	.....	2	.....	10	.....	.....	0	0	overcast.	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.90?	759.4?	29.93?	760.2?	83.0	28.3	79	ne.	.....	.....	3	.....	4?	.....	.....	.....	.....	overcast?...	Corp'l O. McGregor, A.H.C
Cardington	.....	.....	.....	.....	44.4	6.9	56	e.	.....	.....	0.6	.....	5	.....	.....	.....	.....	d. clouds....	John McLaren.
Chatham, School M. E	29.78	756.4	29.95	760.7	49.3	9.6	52	e.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.71	754.6	29.94	760.5	47.0	8.3	48	ese.	.....	.....	4	.....	1	.....	.....	.....	.....	blue sky.....	The Staff.
Fort Napier, Natal	27.75	704.8	30.06	763.5	77.5	25.3	51	n.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.84	757.9	29.88	758.9	50	10.0	58	sw.	.....	.....	2	.....	0	.....	.....	0	0	blue sky.....	Wm. Ryan.
Gibraltar, Mediterranean	29.71	754.6	29.81	757.2	62.5	16.9	91	nw.	.....	.....	4	.....	10	.....	.....	.....	.....	raining.....	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.78	756.4	29.95	760.7	49.8	9.9	61	ne.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.63	752.6	29.93	760 2	48.5	9.2	67	ene.	.....	.....	2	.....	10	.....	.....	0	0	d. clouds	A. Collenette, F.R.M.S.
Kew, Observatory	29.91	759.7	29.95	760.7	46.2	7.9	34	ne.	11	4.9	.....	.....	7	.....	.....	.....	.....	d. clouds....	The Staff.
Leicester, Museum	29.71	754.6	29.97	761.2	47.0	8.3	46	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds....	J. C. Smith.
Malta, Mediterranean	29.59	751.6	29.67	753.6	73.4	23.0	58	W.	.....	.....	3	.....	0	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.97	761.2	30.02	762.5	82.0	27.8	79	sw.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.73	755.1	29.96	761.0	47.9	8.8	54	ne.	.....	.....	1	.....	3	.....	.....	.....	.....	blue sky.....	The Staff.
Plymouth	29.86	758.4	29.94	760.5	48.8	9.3	48	ne.	.....	.....	3	.....	0	.....	.....	.....	.....	blue sky.....	John Merrifield.
Sandwick Manse, Orkneys	29.86	758.4	29.96	761.0	43.8	6.6	68	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky.....	Rev. C. Clouston, L.L.D
Scutari Cemetery, Turkey	29.79	756.7	29.86	758.4	75.6	24.2	38	sw.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.68	753.9	29.97	761.2	48.8	9.3	57	se.	.....	.....	1	.....	5	.....	.....	.....	.....	d. clouds....	W. F. Cooper.
Siloth Rectory	29.92	760 0	29.96	761.0	40.6	4.8	95	ssw.	.....	.....	2	.....	10	.....	.....	0	0	overcast.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.95	760.7	44.9	7.2	60	w.	2	0.9	.....	.....	10	.....	.....	0	0	overcast.....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	50.1	10.1	77	ne	.....	.....	2.5	.....	6	.....	.....	.....	.....	d. clouds....	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.85	758.2	29.87	758.7	51.6	10.9	58	se.	24	10.7	.....	.....	6	.....	.....	.....	.....	d. clouds	The Met'g'l Office.
Sub-series,																			
Gozo, Episcopal Seminary	29.31	744.5	29.70	754.4	65.8	18.8	72	nw.	18.6	8.3	.....	0	0	.....	.....	0	0	misty.....	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.88	758.9	29.99	761.7	70.2	21.2	83	e.	13	5.8	.....	.....	4 k	.....	e.	0	0	d. clouds.....	The Staff.
CANADIAN.																			
Bathurst, N. B	29.77	756.1	29.81	757.2	38.0	3.3	.....	se.	12	5.4	.....	5 ck	k	w.	.....	0.40	10.2	d. clouds	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.83	757.7	29.88	758.9	38	3.3	97	s.	4	1.8	.....	.....	10 n	.....	.....	0.535	13.6	cloudy.. ..	H. J. Cundall, C. E.
Chatham, N. B*	29.79	756.7	29.85	758.2	37	2.8	82	sw	8	3.6	.....	0	0	.....	.....	1.10	27.9	clear.....	G. A. Blair.
Cornwall, Ontario	29.80	756.9	30.00	762.0	39.2	4.0	71	n.	.....	.....	1	0	1 s	.....	.....	0	0	blue sky.....	Jas. Smith, M. A.
Dalhousie, N. B	29.74	755.4	29.79	756.7	36 0	2.2	.....	w.	.....	.....	1	0	0	.....	.....	0.50	12.7	blue sky.....	H. A. Johnson.
Father Point, Quebec*	29.69	754 1	29.71	754.6	34	1.1	85	ne.	8	3.6	.....	.....	10 n	.....	.....	0.81	20.6	light snow...	J. McWilliams
Fort Garry, Manitoba*	29.43	747.5	30.30	769.6	34	1.1	96	s.	5	2.2	.....	0	hz.	.....	.....	0	0	hazy.....	James Stewart.
Fredericton, N. B	29.82	757.4	29.88	758.9	37.0	2.8	62	sw.	11	4.9	.....	0	0	.....	.....	0.120	3.0	blue sky.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.82	758.9	29.94	760.5	40	4.4	62	w.	16	7.2	.....	1 c; hz	0	.....	.....	0	0	hazy	J. Chipman Seeley
Granton, Ontario	29.00	736.6	30.14	765 5	36.0	2.2	71	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	Jas. Grant.
Halifax, N. S*	29.79	756 7	29.92	760.0	42	5.6	92	w.	4	1.8	.....	10 k	0	nw.	.....	0.444	11.3	cloudy..	A. Allison.
Hamilton, Ontario	29.67	753 6	30.08	764.0	40.5	4.7	83	ne.	.....	.....	1	2 c	0	ne.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.75	755.6	30.09	764.3	41	5.0	65	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	A. P. Knight, M. A
Little Glace Bay, N. S	29.84	757.9	29.86	758.9	38.8	3.8	93	s.	.....	.....	3	.....	10 n	.....	.....	.....	.....	raining.....	C. H. Rigby.
London, Ontario	29.21	741.9	30.16	766.1	32.5	0.3	82	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky.....	E. B. Reed.
Medicine Hat, N. W. T	27.52	699.0	29.83	757.7	37	2.8	96	sw.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	John Ewart.
Minnedosa, N. W. T	28.24	717 3	30.21	767.3	38	3.3	61	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	Rev. J. M. Wellwood.
Montreal, Quebec*	29.79	756.7	30.00	762.0	40	4.4	62	W.	11	4.9	.....	5 c	0	n.	.....	inap	inap.	fair.....	C. H. McLeod, C. E.
Ottawa, Ontario	29.83	757.7	30.06	763.5	41.1	5.1	69	wnw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky.....	A. McGill, M. A.
Parry Sound, Ontario*	29 45	748.0	30.18	766.6	34	1.1	88	e.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	Rev. R. Mosley.
Peterboro, Ontario	29.34	745.2	30.10	764.5	37.7	3.2	69	ne.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	Wm. O'Connor, M.A.
Port Arthur	29.54	750.3	30.25	768.3	43	6.1	68	e.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.39	746.5	30.11	764.8	38	3.3	81	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear.....	R. Morgan.
Port Stanley, Ontario	29.45	748.0	30.12	765.0	33	0.6	81	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	M. Payne.
Qu Appelle, N. W. T	27.74	704.6	29.99	761.7	48?	8.9?	.....	s.	12	5.4	.....	0	0	.....	.....	0	0	clear.....	Leslie Gordon.
Quebec, Quebec*	29.49	749.0	29.85	758.2	36	2.2	89	s.	16	7.2	.....	10 cs	0	sw.	.....	0.27	6.9	cloudy.....	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.66	753 4	30.13	765.3	34	1.1	75	nw.	12	5.4	.....	0	0	.....	.....	0	0	clear.....	W. H. McIntyre.
St. Andrews, N. B	29.85	758.2	29.90	759.4	37	2.8	75	W.	1	0.4	.....	0	0	.....	.....	0	0	clear.....	
St. John, N. B	29.77	756.1	29.92	760.0	34.2	1.2	86	.....	.....	.....	.....	0	0	.....	.....	0	0	blue sky.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.16	766.0	44.2	6.8	.....	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario	29.41	747 0	30.15	765.8	38	3.3	45	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	
Stratford, Ontario	28.83	732.3	30.14	765.5	41.0	5.0	54	e.	2.4	1.1	.....	0	0	.....	.....	0	0	blue sky.....	W. McBride, A.M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill	Weather.	Observers
Canadian.—Continued.																			
Sydney, C. B*	29.91	759.7	29.97	761.2	38	3.3	96	se.	5	2.2	.....	.....	10 n	.....	.....	0.06	1.5	light rain....	**T. C. Hill, C.E.**
Toronto, Ontario*	29.74	755 4	30.14	765.5	40	4.4	52	n.	10	4.5	.....	0	0	.....	.....	0	0	clear.....	**Magnetic Observatory.**
Woodstock, Ontario	29.06	738.1	30.16	766.1	35.8	2.1	66	n.	3.5	1.6	.....	c	0	n	.....	0	0	d. clouds....	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.91	759.7	29.98	761.5	38	3.3	75	nw.	11	4.9	.....	2 cs	0	w.	.....	0	0	fair.....	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt.House	30.04	763.0	30.07	763.8	68.0	20.0	95	sw.	.....	.....	.....	0	0	.....	.....	0	0	fine.....	I. Garfett.
Cape Town, The Castle	30.04	763.0	.....	.....	77.0	25.0	46	calm	.....	.....	.....	0	0	.....	.....	0	0	.....	Capt. R. Gardner Warton
Springbok Fontein	27.89	708.4	.....	.....	72	22.2	54	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J. T. Ebsmee
Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	59.9	15.5	82	n.	.....	.....	8	.....	10 n	.....	n.	1.480	37.6	cloudy	**Leon Herrera.**
Valparaiso	29.92	759.9	30.06	763.5	60.1	15.6	93	n.	.....	.....	1	0?	0?	.....	.....	0	0	cloudy?.....	Paez-I-Ampuero.
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.94	760.5	29.97	761.1	55.6	13.1	90	sse.	9.4	4.2	.....	.....	0	.....	.....	0	0	clear.....	M. Marc Dechevrens, S. J
Danish.																			
Copenhagen	29.89	759 1	29.93	760.3	38.8	3.8	78	ese.	34	15	.....	.....	10	.....	.....	.....	.....	raining.....	Oversergent Fischer.
Fanöe	29.91	759.8	29.93	760.3	38.7	3.7	73	ene.	.....	.....	6	.....	10	.....	.....	.....	.....	raining.....	Overloerer Lauridsen.
Godthaab, Greenland	30.00	762.1	30.05	763.2	19.2	— 7.1	95	nw.	.....	.....	4	.....	9	.....	.....	.....	.....	.....	S. Kleinschmidt.
Ivigtut, Greenland	30.01	762.3	30.03	762.8	31.5	— 0.3	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.50	749.2	29.54	750.3	40.3	4.6	76	se.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	A. O. Thoriacius.
Thorshavn	29.83	757.7	29.85	758.3	48.6	9.2	80	se.	16	7	.....	.....	3	.....	.....	.....	.....	snowing.....	Overloerer Bergh.
Upernavik, Greenland	29.83	757.7	29.88	758.9	21.9	— 5.6	.....	sw.	.....	.....	6	.....	9	.....	.....	.....	.....	.....	
Vestervig	29.91	759.6	30.00	761.9	42.3	5.7	41	nne.	.....	.....	6	.....	3	.....	.....	.....	.....	.....	Loerer Oesterlod.
Egyptian.																			
Cairo	29.80	756.9	.....	.....	87.8	31.	.....	ne.	8.3	3.7	.....	0	0	.....	.....	0	0	....	Albert Ismalun, **Dir.**
French.																			
Agen, Normal School	29.04	737.6	29.61	752 1	60.4	15.8	52	se.	.....	.....	1	6 ck	.....	.....	sw.	0.492	12.5	.....	M. Labrouse, Director.
Alençon, Normal School	29.33	745 0	29.88	759.0	46.8	8.2	78	ne.	.....	.....	6	.....	2 k	.....	sw.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.62	752.4	29.87	758.6	46.6	8.1	42	nnw.	.....	.....	4	.....	5	.....	w.	0	0	cloudy.....	**M. Ungerer, Director.**
Avignon, Normal School	29.56	750.8	29.64	752.8	64.4	18.	35	nnw.	.....	.....	1	.....	.....	.....	sw.	0	0	.....	M. Giraud, Director.
Bar-sur-Seine	29.25	743.0	29.82	757.4	45.5	7.5	48	ene.	.....	.....	2	.....	8	.....	ene.	0	0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.61	752.1	29.88	758.9	48.2	9	36	ne.	.....	.....	2	.....	5	.....	ne.	0	0	cloudy...	M. Frère Eugène **Marie.**
Besançon, Normal School	28.86	733.0	29.76	756.0	44.6	7	77	n.	.....	.....	1	.....	kn	.....	s.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.46	748.2	29.71	754.7	57 6	14.2	39	ese	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.25	743 0	29.82	757 3	47.7	8.7	76	ene.	.....	.....	4	.....	5	.....	ene.	0	0	cloudy.....	M. **Sauvageot, Director.**
Brest, Naval Observatory	29.66	753.3	29.90	759 5	50.7	10.4	50	e.	.....	.....	2	.....	1	.....	e.	0	0	.....	M. de Kermarec, Dir.
Caen, Normal School	29.76	756 0	29.88	758.9	51.1	10.6	86	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	29.50	749.4	29.83	757.6	50.2	10.1	61	ne.	.....	.....	2	.....	5	.....	.....	0.008	0.2	cloudy.....	M. Jadot, Director.
Charleville, Normal School	29.32	744.7	29.84	757.9	48.2	9.0	78	e.	.....	.....	1	.....	5	.....	.....	0	0	½ covered ..	**M. Noël, Director.**
Clermont-Ferrand Obs'y	28.35	720.0	29.70	754.4	49.3	9.6	49	n.	.....	.....	1	.....	10	.....	.....	0	0	.....	M. Alluard, Director.
Cluny, Normal School	29.00	736.6	29.78	756.3	48.2	9.	67	n.	.....	.....	1	.....	6	.....	n.	0	0	.....	M. de Villemontés, **Dir.**
Commercy, Normal School	28.99	736.3	29.84	758 0	41.0	5.	71	nne.	.....	.....	4	.....	kn	nne.	nne.	0	0	.....	Dr. Coulet, Director.
Gap, Normal School	27.69	588.1	29.61	752.0	55.4	13	45	e.	.....	.....	1	.....	3 k	.....	.....	0	0	.....	M. **Jarach, Director.**
Gréasque, du Rhone	28 51	724.1	29.61	752.1	60.3	15.7	66	n.	.....	.....	2	.....	7	.....	sw.	0.04	1.	.....	M. Kina, Director.
Grenoble. Normal School	28.93	734.9	29.71	754.5	56.1	13.4	50	nw.	.....	.....	4	.....	k	.....	.....	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28.15	714.9	29.73	755 2	42.1	5.6	88	ne.	.....	.....	4	.....	n	.....	e.	0	0	.....	M. Delorme, Dir.
Lamballe Normal School	29.58	751.3	29.85	758.3	48.9	9.4	48	ene.	.....	.....	1	.....	2 k	.....	ene.	0	0	slightly cl'dy	**M. Pollpre, Dir.**
Lescar, Normal School	29.06	738 2	29.63	752.5	55.8	13.2	64	ese.	.....	.....	4	.....	10 n	.....	w.	0.008	0.2	raining.....	M. Chauvin, Director.
Lorient, Naval Observatory	29.74	755 5	29.85	758 1	53.6	12.0	40	e	.....	.....	2	.....	2	.....	.....	0	0	¼ covered...	L. T. **Carre,** Director.
Lyon, St. Genis-Laval	28.68	728 4	29.73	755 2	49.1	9.5	51	ne.	.....	.....	1	.....	5 kn	.....	.....	0	0	fair.....	M. Andié, Director.
Mans, Normal School	29.51	749.6	29.82	757.5	48.0	8.9	52	ese.	.....	.....	4	.....	5 k	.....	ese.	0	0	fair.....	M. Richard, Director
Marseille, Observatory	29.36	745.8	29.63	752.6	59.9	15.5	54	wsw.	.....	.....	1–2	.....	9	.....	wsw.	0.083	2.1	.....	M. Stephan, Director.
Montlouis	24.41	620.0	29.25	743.0	43.2	6.2	67	e.	5.6	2.5	.....	.....	8	e.	.....	0	0	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.52	749.9	29.63	752 7	61.2	16.2	59	ne.	.....	.....	2	.....	5	ssw.	.....	0.012	0.3	cloudy	M. Gelzin, Director.
Nancy, Normal School	29.01	736 9	29.81	757.2	39.9	4.4	74	.....	.....	.....	.....	.....	n.	.....	ne.	0.217	5.5	.....	**M. Hasse, Director.**
Nantes, Observatory	29.65	753.2	29.82	757.4	51.6	10.9	43	ne.	.....	.....	4	.....	1 k	.....	.....	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29 55	750.6	29.66	753.4	53.2	11.8	62	e.	3.8	1.7	.....	.....	10	.....	.....	0.114	2.9	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20 80	528.3	.....	.....	29.3	— 1.5	.....	sw.	.....	.....	1	.....	.....	.....	sw.	0.150	3.8	.....	**M. Vaussenat, Director.**
Privas, Normal School	28.61	726 8	29.67	753 6	55.8	13.2	26	n.	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.80	629.8	.....	.....	29.5	— 1.4	96	ene.	.....	.....	3	.....	8	.....	ene.	0.004	0.1	.....	M. Allnard.
Rochefort, Naval Obs'y	29.69	754.1	29.72	754 9	55.6	13.1	36	ne.	.....	.....	8	.....	0	.....	.....	0	0	clear.....	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.54	750 4	29.76	755.8	52.5	11.4	52	ne.	.....	.....	1	.....	.....	.....	ne.	0	0	.....	M. Brethier, Director.
Rodez, Normal School	27 47	697.8	29.60	751.8	56.7	13.7	42	ne.	.....	.....	1	.....	5	.....	.....	0.004	0.1	fair.....	M. Seger, Director.
Rouen, Normal School	29.87	758 8	29.92	760.0	52.9	11.6	33	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	M. Mouillot, Dir.
Saint Maur, Observatory	29.69	754 0	29.85	758.2	49.3	9.6	34	ene.	.....	.....	1	.....	2	.....	e.	0.008	0.2	slightly cl'dy	M. Renou, Director.
Toulouse, Observatory	28 94	735.1	29.65	753 2	59.2	15.1	57	se.	.....	.....	1	.....	10	w.	.....	0.071	1.8	covered	M. Baillaud, Director.
Tours	29.02	752.4	29.80	757.0	51.8	11.0	52	ne.	.....	.....	2	.....	5	ese.	e.	0	0	cloudy.....	M. de Tastes.
Versailles, Observatory	29.35	745 5	29.84	758.0	48.9	9.4	34	ne.	.....	.....	4	.....	0	.....	.....	0	0	clear.....	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.47	748 5	29.62	752.3	57.0	13.9	69	e.	9.8	4.4	.....	.....	10 k	.....	ne.	0.016	0.4	covered.....	M. Carlier, Director.
German.																			
Ansbach	28.32	719.2	29.78	756 4	46.8	8.2	37	n.	.....	.....	4	.....	7	n.	.....	0	0	.....	Prof. Juedt.
Bamberg	28.97	735.8	29.80	757.0	43.5	6.4	64	ne.	.....	.....	1	.....	6 ks	.....	e.	0	0	.....	Prof. Dr. Hoh.
Berlin	29.68	753.8	29.82	757 5	45.0	7.2	55	sw.	.....	.....	1	.....	6	.....	.....	0.016	0.4	.....	**Meteorological Institute**
Breslau	29.28	743 6	29.80	757 0	45.3	7.4	64	ene.	.....	.....	2	.....	10	.....	.....	.....	.....	sprinkling....	Royal University Obs'y
Carlsruhe	29.35	745 5	29.82	757.3	43.5	6.4	76	e.	.....	.....	2	.....	10	ne.	.....	0.134	3.4	.....	Albert Senz.
Cassel	29.12	739.7	29.84	757 8	38.1	3.4	70	ne.	.....	.....	2	.....	7	ne.	.....	0.008	0.2	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.44	747 7	29.80	757.0	48.6	9.2	52	ne.	.....	.....	2	.....	10	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.30	718.7	29.71	754 5	52.0	11.1	70	sw.	.....	.....	4	.....	3	sw.	.....	0.398	10.1	.....	Wilhelm, Chief Tel.
Hamburg	29.80	756.8	29.89	759 1	39.6	4.2	82	n.	.....	.....	3	.....	10	.....	.....	0.043	1.1	.....	E. Preller.
Kiel	29.85	758.3	29.87	758.7	39.9	4.4	83	ne.	.....	.....	2	.....	10	.....	.....	0.161	4.1	.....	Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.43	747.5	29 86	758 5	40.1	4.5	70	n.	.....	.....	1	.....	9	nnw.	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	29.66	753.3	29.84	758.0	41.5	5.3	68	sw.	.....	.....	1	.....	10	nw.	.....	0.043	1.1	foggy	Weather Observatory.
Memel	29.92	760 0	29.97	761.2	43.3	6.3	65	se.	.....	.....	2	.....	10 ks	.....	.....	.....	.....	.....	Issermann.
Munich	27.89	708.5	29.74	755 3	44.8	7.1	57	n.	.....	.....	2	.....	9	nw.	.....	0	0	.....	Central Station.
Neufahrwasser	29.91	759 7	29.94	760.4	40.8	4.9	86	e.	.....	.....	2	.....	10	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.28	743.7	29.80	757 0	45.0	7.2	72	calm	.....	.....	0	.....	10	.....	.....	0	0	.....	Prof. Dieknether.
Stuttgart	28.79	731.3	29.70	754.3	43.2	6.2	67	w.	.....	.....	1	.....	10	.....	.....	0.118	3.0	.....	Dr. L. Meyer.
Wustrow	29.84	757 9	29.86	758.5	39.7	4.3	87	ene.	.....	.....	2	.....	10 s	.....	.....	0.039	1.0	.....	Profs. Brandes & Reimer
Greek.																			
Athens	29.36	745.8	29.73	755.2	78.6	25.9	.....	se.	.....	.....	4.0	7	.....	.....	.....	0	0	.....	Kokkides & Wourlisch.
Indian.																			
Kurrachee	29.68	753.9	29.73	755 2	82.0	27.8	78	wsw.	30.0	13.4	.....	.....	0	.....	.....	0	0	misty.....	
Deesa	29.23	742 4	29.68	754.0	97.5	36.4	10	wsw.	15.0	6.7	.....	.....	0	.....	.....	0	0	blue sky.....	
Bombay	29.74	755 3	29.77	756.2	82.9	28.3	73	nw.	20.0	8.9	.....	.....	9	nw.	w.	0	0	d. clouds	
Poona, Yarrowda	27 91	708 8	29.70	754 5	93.4	34.1	15	w.	21.0	9.4	.....	.....	5	.....	.....	0	0	d. clouds	
Trichinopoly	29.50	749.3	29.77	756 1	99.7	37.6	33	ne.	0.2	0.1	.....	.....	6	nne.	nne.	0	0	d. clouds	
Bellary	28.24	717 2	29.67	753 7	88.0	31.1	50	w.	2.0	0.9	.....	.....	10	.....	.....	0	0	gloomy.....	
Belgaum	27.23	691.6	29.73	755 0	82.6	28.1	62	wsw.	10.0	4.5	.....	.....	5	n.	w.	0.02	0.5	d. clouds	
Lahore	28.90	733 9	29.62	752 2	94.1	34.5	25	w.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky.....	
Roorkee	28.73	729.7	29.60	751.8	93.6	34.2	14	calm	4.0	1.8	.....	.....	6	w.	.....	0	0.	d. clouds....	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0-1 0	Clouds. Amount and kind. Upper. 0-10	Lower. 0-10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
INDIAN.—Continued.																			
Agra	29.06	738.2	29.60	752.0	99.6	37.6	5	sw.	2.0	0.9	.....	.....	4	.....	w.	0	0	blue sky.....	
Nagpur	28.65	727.6	29.65	753 0	99.9	37.7	10	wnw	10.0	4.5	.....	.....	0	.....	.....	0	0	blue sky.....	
Jubbulpore	28.32	719.4	29.63	752.6	97.7	36.5	13	calm	0	0	.....	.....	1	.....	.....	0	0	blue sky.....	
Lucknow	29.32	744.7	29.69	754.1	92.1	33.4	31	n.	3.0	1.3	.....	.....	0	.....	.....	0	0	blue sky.....	
Allahabad	29.31	744 5	29.61	752.1	97.8	36.6	24	nw.	.....	.....	.....	.....	0	.....	.....	0	0	misty.....	
Patna	29.48	748.6	29.66	753 2	92.4	33.6	34	n.	5.9	2.6	.....	.....	0	.....	.....	0	0	blue sky.....	
Hazaribagh	27.04	702.0	29.60	751.8	86.6	31.4	23	n.	14.0	6.3	.....	.....	0	.....	.....	0	0	.....	
Cuttack	29.62	752.3	29.70	754.3	87.3	30.7	53	nw.	6.0	2.7	.....	.....	8	.....	.....	0	0	d. clouds..	
Calcutta, Alipore	29.69	754.1	29.71	754.7	83.3	28.5	71	ssw.	5.0	2.2	.....	.....	10	.....	.....	0.52	13.2	gloomy.....	
Chittagong	29.71	754.6	29.80	756.9	80.9	27.2	64	sw.	5.2	2.3	.....	.....	0	.....	.....	0	0	blue sky.....	
Sibsagar	29.50	749.2	29.84	757.9	70.0	21.1	92	sw.	2.0	0.9	.....	.....	10	w.	w.	0.09	2.3	overcast.....	
Jeypore	28.23	717.0	29.62	752.3	96.7	35.9	9	w.	12.0	5.4	.....	.....	0	.....	.....	0	0	blue sky.....	
Zanzibar	29.95	760.7	.....	.....	74.5	23.6	93	ne.	7.3	3.3	.....	.....	10	.....	.....	.....	.....	raining.....	
ITALIAN.																			
Udine	29.26	741.6	29.60	751.9	58.8	14.9	63	calm	0	0	.....	.....	7	.....	.....	0.799	20.3	.....	Prof. Giovanni Olodig.
Milan	29.11	739.3	29.62	752.3	56.8	13.8	52	w.	4.3	1.9	.....	.....	7	ne.	.....	0.047	1.2	.....	Prof. G.V.Schiapparelli
Padua	29.57	751.1	29.68	753.8	56.7	13.7	64	nw.	4.3	1.9	.....	.....	8	sw.	.....	0.165	4.2	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.72	729.4	29.01	752 1	57.2	14.0	62	sse.	2.5	1.1	.....	.....	5	w.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.43	747.6	29.63	752 5	59.0	15.0	52	sw.	5.6	2.5	.....	.....	2	sw.	.....	0.071	1.8	.....	Prof. G. M. Garibaldi.
Pesaro	29.57	751.1	29.62	752.3	54.9	12.7	81	n.	9.4	4.2	.....	.....	10	nw.	.....	0.230	6.0	.....	Prof. Luigi Guidi.
Florence	29.35	745.4	29.60	751.8	63.9	17.7	58	wsw.	.....	.....	2	.....	10	wsw.	.....	0.244	6.2	.....	Prof. Costantino Pittei.
Leghorn	29.50	749.4	29.59	751.5	60.3	15.7	72	w.	1.8	0.8	.....	.....	10	w.	.....	0	0	.....	Prof. P. Monte.
Rome	29.44	747.8	29.61	752.2	67.3	19.6	51	sw.	8.7	3.9	.....	.....	6	sw.	.....	0.666	15.4	.....	Prof. P. Tacchini.
Lecce	29.31	741.4	29.56	750.7	70.9	21.6	63	sw.	18.6	8.3	.....	.....	4	w.	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	28.76	730.5	29.04	752.9	69.1	20.6	80	sse.	2.5	1.1	.....	.....	4	se.	.....	0	0	.....	Prof. D. Conti.
Palermo	29.43	747.6	29.68	753.8	71.1	21.7	47	ne.	13.0	5.8	.....	.....	1	.....	.....	0	0	.....	Prof. G. Cacciatore
Syracuse	29 52	749.9	29.57	751.0	72.3	22.3	72	ese.	3.1	1.4	.....	.....	10	se	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.11	739.3	.....	.....	67.1	19.5	51	sw.	17.4	7.8	.....	.....	4	sw.	.....	0	0	.....	Prof. F. Brioschi.
Stelvio	21.73	552.0	.....	.....	34.2	1.2	64	w.	.....	.....	2	.....	6	.....	.....	0	0	misty.....	Prof. P. F. Denza.
Valdobbia	21.77	553.0	.....	.....	31.6	— 0.2	54	nw.	.....	.....	3	.....	2	.....	.....	0	0	misty.....	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.65	753.0	29.68	753.9	43.8	6.6	84	n.	.....	.....	2	.....	10k;ks	.....	ne.	0.028	0.7	cloudy	H. Hattori.
Awomori	29.66	753.3	29.70	754.4	40.0	4.4	90	se.	2.2	1.0	.....	.....	10 n	.....	.....	0.202	5.1	light rain....	K. Ogawa.
Hakodate	29.70	754.5	29.71	754.8	39.5	4.2	70	n.	4.2	1.9	.....	0	4 s	.....	.....	0.138	3.5	fair.....	Y. Souma.
Hamamatsu	29.65	753.1	29.75	755.6	49.8	9.9	67	wnw.	.....	.....	6	0	4 s	.....	w.	0.055	1.4	fair.....	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.06	763.5	30.08	764.0	47.2	8.4	74	nw.	3.1	1.3	.....	0	0	.....	.....	0.040	1.0	clear.....	Y. Okamoto.
Kagoshima	30.08	764.1	30.10	764.4	47.9	8.8	84	nne.	.....	.....	2	0	0	.....	.....	0	0	clear.....	
Kanazawa	29.84	757.9	29.94	760.5	45.0	7.2	85	w.	5.4	2.4	.....	.....	10s;ks	.....	.....	0.575	14.6	overcast.....	S. Endo.
Kioto	29.78	756.4	29.95	760.8	45.8	7.7	88	w.	4.4	2.0	.....	.....	10 n	.....	.....	0.142	3.6	light rain....	M. Tojima.
Kochi	29.93	760.3	29.95	760.8	53.1	11.7	59	nw.	19.1	8.5	.....	0	1 s	.....	.....	0	0	clear.....	K. Kusunose.
Miasaka	30.02	762.5	30.05	763.2	52.0	11.1	86	wsw.	.....	.....	2	0	0	.....	.....	0	0	clear.....	K. Masusaki&T. Ishitain.
Miyako	29.62	752.2	29.72	755.0	35.0	1.7	100	ne.	4.3	1.9	.....	.....	10 n	.....	.....	0.201	5.1	raining.....	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.88	758.9	30.09	764.3	46.7	8.2	79	ne.	0.6	0.3	.....	0	0	.....	.....	0	0	clear.....	
Nemuro	29.01	752.1	29.06	753 4	30.0	— 1.1	77	nnw.	24.0	10.7	.....	0	3 s	.....	.....	0.78	19.8	fair.....	A Shibuya.
Niigata	29.75	755.6	29.78	756.4	44.9	7.2	85	nw.	6.2	2.8	.....	.....	10 s	.....	nw.	0.285	7.2	covered.....	Satoo & Tomikawa.
Nobiru	29.66	753.4	29.68	753.8	40.0	4.4	80	ene.	9.2	4.1	.....	.....	10 s;n	.....	.....	0.065	1.6	covered.....	Yoshino & Midzushima.
Numadzu	29.61	752.1	29.65	753.0	52.0	11.1	85	e.	.....	.....	2	.....	10 ks	.....	.....	0.020	0.5	overcast.....	T. Ohgi.
Osaka	29.97	761.3	29.99	761.7	48.0	8.9	79	nw.	7.8	3.5	.....	.....	10 n	.....	.....	0.315	8.0	light rain....	H. Omura.
Saga	30.07	763.8	30.09	764.4	45.5	7.5	88	ne.	1.0	0.4	.....	0	0	.....	.....	0	0	clear.....	A. Matsuhayashi.
Sakai	30.05	763.3	30.00	763.5	46.0	7.8	68	wnw.	.....	.....	2	0	1 ks	.....	nw.	0.047	1.2	clear.....	Yamawchi & Sakamoto.
Sapporo	29.71	754.7	29.79	756.4	34.5	1.4	59	nw.	8.0	3.6	.....	0	0	.....	.....	0.070	1.8	clear..	S. Kimura.
Shimonoseki	29.94	760 6	30.09	764.3	46.8	8.2	71	nne.	.....	.....	1	0	0	.....	.....	0	0	clear.....	S. Sakano.
Tokei Obs'y, Yeddo	29.59	751.6	29.67	753.5	46.6	8.1	90	e.	4.4	2.0	.....	.....	10 s	.....	.....	0.267	6.8	covered.....	The Staff.
Wakayama	29.94	760.5	29.99	761.8	49.3	9.6	68	nw.	7.9	3.5	.....	0	8 ck	.....	n.	0.015	0.4	cloudy.....	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.82	757.4	30.01	762.2	75.5	24.2	73	se.	18.5	8.3	.....	3ck;cs	6ks;kn	.....	se.	0.03	0.8	cloudy.....	The Staff.
MEXICAN.																			
Leon	24.34	618.2	30.06	763.5	54.3	12.4	70	ne.	0.9	0.4	.....	0	0	.....	.....	0	0	clear.....	M. Leal & M. Pina
Mazatlan	29.72	754.9	29.98	761.5	66.0	18.9	87	e.	1.6	0.8	.....	1 cs	0	.....	.....	0	0	hazy.....	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.93	760 2	29.93	760.2	46.0	7.8	.....	ne.	.....	.....	4	.....	.. ..	.....	.....	0	0	.....	
Groningen	29.86	758.4	29.91	759.8	42.1	5.6	.....	nne.	.....	.....	1	.....	.....	.....	.....	0.012	0.3	.....	
Helder	29.94	760.4	29.94	760.4	42.4	5.8	.....	ene.	.....	.....	2	.....	.....	.....	.....	0	0	.....	
Hellevoetsluis	29.92	760.0	29.92	760 0	45.9	7.7	56	ne.	.....	.....	3	.....	.....	.....	.....	0	0	.....	
Utrecht	29.88	759 0	29.93	760.2	40.6	4.8	47	ne.	.....	.....	3	.....	5	.....	.....	0	0	cloudy.....	H. van der Brink.
Sub-series.																			
Batavia, Java	29.85	758.3	.....	.....	82.2	27.9	81	ne.	0.5	0.2	.....	.....	3	.....	.....	0	0	.....	Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.01	762.2	30.07	763.8	39.2	4.0	39	wnw.	9	4	.....	.....	2	.....	.....	0	0	.....	
Brono	30.09	764.2	30.13	765.2	44.4	6.9	45	n.	.....	.....	2	.....	3	.....	.....	0	0	.....	
Christiania	29.95	760.6	30.10	764.4	45.3	7.4	20	ese.	9	4	.....	.....	0	.....	.....	0	0	.....	
Gjæsvær	29.91	759.8	29.94	760.4	24.8	— 4.0	.....	ese.	.....	.....	6	.....	10	.....	.....	0.016	0.4	snowing.....	
PORTUGUESE.																			
Funchal, Madeira	29.89	759.3	29.98	761.5	62.8	17.1	62	wsw.	10.5	4.7	.....	.....	2	nw.	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.28	743.8	29.62	752.3	57.2	14.0	88	sw.	26.2	11.7	.....	.....	10	.....	.....	0.283	7.2	.....	The Staff.
Ponta Delgada, Azores	29.97	761.2	30.04	763.0	60.1	15.6	56	nne.	12.5	5.6	.....	.....	4	.....	.....	0.067	1.7	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	30.04	762.9	30.07	763.8	71.6	22.0	72	ene.	.....	.....	5	.....	2	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	24.85	631.1	29.58	751.3	40.5	4.7	94	sse.	6.9	3.1	.....	.....	8	.....	.....	1.185	30.1	rain & fog...	
RUSSIAN.																			
Akmolinski	28.71	729.1	29.76	756.0	55.8	13.2	39	sse.	7	3	.....	3 c	0	.....	.....	0.024	0.6	.....	Major K. Lasarew.
Archangel	30.03	762.7	30.05	763.2	25.9	— 3.4	72	wnw.	18	8	.....	0	0	.....	.....	0	0	.....	Capt. Sselliwerstow.
Ashuradа	30.00	762.0	29.91	759.6	65.8	18.8	79	nnw.	11	5	.....	0	1 k	.....	.....	0	0	.....	
Astrakhan	29 89	759.2	29.82	757.3	58.3	14.6	48	w.	18	8	.....	.....	9 k	.....	.....	0	0	.....	Capt. Wisganow.
Baku	29.98	761.4	29.93	760.2	61.7	16.5	59	n.	13	6	.....	3 cs	0	.....	.....	.....	.....	.....	
Barnaul	29.52	749.9	30.04	762.9	40.6	4.8	74	sw.	4	2	.....	.....	10	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.58	751 3	30.07	763.7	33.4	0.8	57	n.	7	3	.....	0	0	.....	.....	0	0	.....	
Dorpat	29.87	758.6	30.12	765.0	39.2	4.0	46	e.	11	5	.....	0	0	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	28.62	727.0	29.56	750.8	58.3	14.6	55	wsw.	22	10	.....	9 c;ok	0	.....	.....	0	0	light clouds	Meteorological Obs'y.
Elissawetgrad	29.44	747.7	29.89	759 1	54.5	12.5	57	ese.	4	2	.....	.....	10 s;n	.....	.....	0	0	.....	
Kaaslinsk	29.41	746.9	29.58	751.4	64.9	18.3	58	sw.	7	3	.....	.....	.....	.....	.....	.....	.....	.....	Butkewitsch.
Kasan	29.34	745.2	29.61	752.2	37.0	3.1	95	n.	11	5	.....	.....	10	.....	.....	0.283	7.2	.....	Observatory.
Kem	30.05	763.3	30.10	764.6	32.4	0.2	54	ne.	9	4	.....	.....	3 ks	.....	.....	0	0	.....	
Kertch	29.84	757 9	29.86	758.5	57.7	14.3	78	se.	4	2	.....	0	1 k	.....	.....	0.126	3.2	.....	Lagorio & Sastyrea.
Kief	29.22	742.2	29.86	758.4	50.4	10.2	32	ne.	4	2	.....	0	8 ks	.....	.....	0	0	.....	Observatory.
Koslov	29.20	741.6	29.71	754.7	34.7	1.5	87	wnw.	11	5	.....	.....	10 s	.....	.....	0	0	.....	
Lgov	29.32	744.8	29.93	760.1	38.1	3.4	71	nw.	11	5	.....	.....	10	.....	.....	0	0	.....	R. I. Seaweljew, Enkin't.
Libau	29.98	761.6	30.01	762.2	46.2	7.9	41	ene.	9	4	.....	.....	7	.....	.....	0	0	.....	E. Quass.
Lugan	29.61	752.0	29.81	757.2	53.4	11.9	50	nw.	22	10	.....	.....	9	.....	.....	0	0	.....	Meteorological Obs'y.
Moscow	29.36	745.7	29.86	758.4	28.6	— 1.9	70	n.	9	4	.....	.....	10 n	.....	.....	0.016	0.4	light snow..	Meteorological Obs'y.
Nertschinsk	27.05	687.0	29.34	745.1	30.0	2.2	37	se.	4	2	.....	.....	10	.....	.....	0	0	.....	
Nikolaiev	29.78	756.3	29.85	758.1	60.8	16.0	71	calm	0	0	.....	0	0	.....	.....	0	0	.....	Capt. Kurdakow.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mets. p. sec	Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.96	761.0	30.05	763.2	20.5	— 6.4	82	calm	0	0	.....	0	1 s	.....	.....	.....	.....	.....	Ivanow.
Pekin, China	29.67	753.5	29.81	757.1	55.0	12.8	54	calm	0	0	.....	0	7 n	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.43	747.5	29.77	756.2	66.9	19.4	60	sw.	2	1	.....	.....	9 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.91	759.7	30.11	764.8	37.4	3.0	41	nw.	7	3	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.39	746.5	29.89	759 2	49.1	9.5	55	ene.	11	5	.....	0	4 k	.....	.....	0	0	.....	
Poti	29.86	758.5	29.89	759.3	65.8	18.8	90	sw.	4	2	.....	.....	2 s	.....	.....	0	0	.....	
St. Petersburg	30.14	765.6	30.17	766.2	36.0	2.2	34	ne.	9	4	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.34	694.4	29.71	754.7	70.5	21.4	64	calm	0	0	.....	2 ck	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.37	746.1	30.03	762 7	55.9	13.3	37	calm	0	0	.....	.....	2	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.63	752.6	29.84	757.9	63.7	17.6	55	sw.	7	3	.....	0	7 s	.....	.....	0.024	0.6	.....	
Staroi Bykhov	29.38	746.3	29.95	760.7	41.2	5.1	54	ne.	4	2	.....	.....	9	.....	.....	0.008	0.2	.....	Carl Hagen.
Tashkend, Laboratory	28.15	714.9	29.76	755.9	67.3	19.6	66	calm	0	0	.....	.....	9 k	.....	.....	.....	.....	.....	Terch, A. M
Tiflis	28.46	722.9	29.82	757.5	72.1	22.3	24	nw.	7	3	.....	0	3 ks	.....	.....	0	0	.....	Physical Observatory
Vernoe	27.27	692.7	29.68	753.9	66.6	19.2	47	e.	2	1	.....	0	5 k	.....	.....	.....	.....	.....	Larionow.
Viatka	29.11	739.5	29.76	756.0	33.1	0.6	64	ne.	9	4	.....	.....	10	.....	.....	0	0	.....	
Vladivostock	29.85	758.2	29.92	759.9	36.9	2.7	78	se.	34	15	.....	.....	8 k	.....	.....	blank	blank	.....	
Warsaw	29.41	747.1	29.84	757.8	47.1	8.4	49	ne.	11	5	.....	c	9 ks	.....	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	30.05	763.3	30.36	771.2	15.1	— 9.4	59	calm	0	0	.....	.....	3	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.24	742.7	29.72	754.9	26.5	— 3.1	74	n	28.5	12.7	.....	0	7 n	.....	n.	inap.	inap.	light snow.	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.52	749.8	29.63	752 6	52.5	11.4	91	ne.	1.8	0.8	.....	.....	10	.....	.....	0.602	15.3	rainy	B. Jelin.
Bilbao, Met. Obs'y	29.56	750.9	29.62	752.4	59.0	15.0	72	ne.	0.7	0.3	.....	.....	10	.....	.....	0.075	1.9	covered	Angel de Uralde.
Burgos, Met. Obs'y	26.65	677.0	29.62	752.4	46.8	8.2	97	e.	9.4	4.2	.....	.....	10	.....	.....	0.362	9.2	covered	Domingo Martin.
Madrid, Royal Obs'y	27.45	697.2	29.66	753.4	54.1	12.3	64	sw.	28.6	12.8	.....	.....	9	.....	.....	1.055	26.8	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.54	750.4	29.68	753.8	70.5	21.4	50	nw.	7.4	3.3	.....	3	3	e.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.58	726.0	29.47	748.4	54.5	12.5	78	se.	16.8	7.5	.....	.....	10	.....	.....	0.043	1.1	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.95	760.7	30.02	762 4	76.9	24.9	79	se.	1.8	0.8	.....	c	8 k;n	w.	sw.	0.004	0.1	cloudy	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	759 0	29.94	760.4	83.5	28.6	74	ese.	4.4	2.0	.....	0	3 ks	.....	.....	0	0	fair	F. Faura, S. J.
San Fernando, Naval Obs'y	29.78?	756.3?	29.88?	758.8?	61.0	16.1	69	w.	16.8	7.5	.....	0	7	.....	w.	0.059	1.5	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.00	761.9	30.09	764.2	74.8	23.8	83	calm	0	0	.....	3 s	0	s.	.....	0	0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.10	764.6	30.14	765 6	39.0	3.9	97	w.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Umea	30.17	766.3	30.22	767.6	39.7	4.3	44	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Hernosand	30.13	765.3	30.18	766.6	41.7	5.4	49	ssw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Stockholm	29.97	761.3	30.15	765.8	36.3	2.4	40	ene.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Wisby	29.97	761.3	30.03	762.8	40.6	4.8	44	e.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	30.04	763 0	30.13	765.2	40.3	4.6	36	ene.	9.2	4.1	.....	.....	0	.....	.....	0	0	.....	H.H.Hildebrandsson
Swiss																			
Geneva	28.28	718.3	29.72	754.8	50.0	10.0	40	n.	.....	.....	2	.....	3	.....	.....	0	0	cloudy	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.80	756.8	81.3	27.4	32	s.	4	2.0	.....	.....	9	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	29.67?	753.5?	77.9	25.5	.....	sw.	.....	.....	4	.....	5	.....	.....	0	0	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.95	760.8	72.0	22.2	69	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.01	762 2	30.09	764.3	42.8	6.0	72	se.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. O. Barnes.
Alpena, Michigan	29.52	749.8	30.21	767.3	45	7.2	37	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25.02	635.5	29.94	760.5	33.9	1.1	75	e.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assiniaboine, Ft., Montana	27.66	667.3	29.96	761.0	43.0	6.1	60	sw.	7	3.1	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.81	731.8	30.00	762.0	47.5	8.6	93	se.	8	3.6	.....	.....	10 s	.....	.....	0.16.	4.1	cloudy	S. W. Beall
Atlantic City, New Jersey	30.02	762.5	30.03	762.7	47.3	8.5	68	n.	13	5.8	.....	0	5 k	.....	n.	0	0	fair	B.A.Blundon.
Augusta, Georgia	29.85	758.2	30.04	763.0	50.5	10.3	82	ne.	4	1.8	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	W.J.Evans.
Baltimore, Maryland	30.03	762.7	30.08	764.0	50.1	10.1	53	ne.	5	2.2	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	Geo W. Felger.
Barnegat City, New Jersey	30.04	763.0	30.06	763.5	47.4	8.6	67	e.	13	5.8	.....	2 ck	0	sw.	.....	0	0	clear	J.P.Sherry.
Bennett, Fort, Dakota	28.62	726.9	30.26	768.6	35.0	1.7	71	se.	2	0.9	.....	0	1 s	.....	se.	0	0	clear	A. Pritchard.
Benton, Fort, Montana	27.12	688.8	29.98	761.5	41.2	5.1	59	calm	0	0	.....	0	0	.....	.....	0	0	clear	C.S.Bennett.
Bismarck, Dakota	28.37	720.6	30.25	768 3	37.9	3.3	65	e.	5	2.2	.....	3 c	3 s	.....	.....	0	0	fair	B. O. Lenoir.
Block Island, Rhode Island	30.04	763.0	30.07	763.8	42.7	5.9	87	s.	2	0.9	.....	3 cs	0	s.	.....	0	0	clear	J. T. Elker.
Boise City, Idaho	27.08	687.8	29.92	760.0	53.7	12.1	84	e.	2	0.9	.....	.....	10 s	.....	s.	0.01	0.3	cloudy	James Kenealy.
Boston, Massachusetts	29.90	759.4	30.06	763.5	40.6	4.8	61	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	O. B. Oole.
Brownsville, Texas	30.14	765.5	30.20	767.1	50.0	10.0	93	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.35	745.5	30.12	765.0	36	2.2	79	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	D.Cuthbertson.
Buford, Fort, Dakota	28.02	711.7	30.12	765.0	39.8	4.3	50	se.	4	1.8	.....	0	2 s	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.63	752.6	30.04	763.0	41.8	5.4	92	nw.	7	3.1	.....	.....	10 s	.....	nw.	0.04	1.0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.52	749.8	29.72	754.9	52.0	11.1	93	se.	23	10.3	.....	6 ck	2 s	se.	se.	0.24	6.1	cloudy	J.H.Young.
Cape Henry, Virginia	29.99	761.7	30.01	762.2	44.0	6.7	93	ne.	24	10.7	.....	.....	10 s	.....	.....	0.13	3.3	cloudy	A. K. Alderson.
Cape May, New Jersey	30.00	762.0	30.03	762.7	49.0	9.4	60	ne.	12	5.4	.....	6 ck	0	e.	.....	0.08	2.0	fair	W.E.Smith.
Cape Mendocino, California	29.27	743.4	29.90	761.0	47.5	8.6	86	se.	31	13.9	.....	.....	10s;fg	.....	.....	0.02	0.5	cloudy	A. P. Leavitt.
Cedar Keys, Florida	29.98	761.5	30.00	762.0	60.0	15.6	57	n.	8	3.6	.....	0	1 k	.....	nw.	inap.	inap.	clear	G. W. Davis.
Charleston, S. Carolina	29.90	759.4	29.96	761.0	53.0	11.7	93	ne.	8	3.6	.....	.....	1c s	.....	n.	0.17	4.3	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.18	741.2	30.04	763.0	41.4	5.2	90	e.	5	2.2	.....	.....	10 s	.....	e.	0.08	2.0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.13	739.9	29.96	761.0	51.8	11.0	85	sw.	7	3.1	.....	.....	10 n	.....	sw.	0.07	1.8	light rain	B. L. Goulding.
Cheyenne, Wyoming	24.03	610.4	30.05	763.3	30.9	— 0.6	70	s.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	E. McGovern.
Chicago, Illinois	29.39	746.5	30.12	765.0	40.2	4.6	56	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear	T.B.Jennings.
Chincoteague, Virginia	30.00	762.0	30.02	762.5	45.3	7.4	78	e.	11	4.9	.....	.....	10 ks	.....	ne.	0.10	2.5	cloudy	C. F. Dickens
Cincinnati, Ohio	29.31	744.5	29.98	761.5	43.5	6.4	95	ne.	4	1.8	.....	.....	10 n	.....	ne.	0.68	17.3	light rain	L. Dunne.
Cleveland, Ohio	29.31	744.5	30.07	763.8	43.2	6.2	54	ne.	7	3.1	.....	4 c	0	.....	.....	0	0	fair	W. Line.
Columbus, Ohio	29.11	739.4	29.98	761.5	44.1	6.7	75	ne.	7	3.1	.....	.....	10 s	.....	ne.	0.22	5.6	cloudy	F.T. Williams
Concho, Fort, Texas	28.31	719.1	30.25	768.3	39.1	3.9	92	calm	0	0	.....	0	0	.....	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.76	679.7	29.94	760.5	40.3	4.6	82	se.	1	0.4	.....	0	4 ks	.....	.....	0	0	fair	W.J.Daily.
Davenport, Iowa	29.47	748.5	30.14	765.5	42.0	5.6	62	ne.	5	2.2	.....	7 ck	hz.	ne.	.....	0	0	fair	R. R. Martin.
Davis, Fort, Texas	25.29	642.4	30.07	763.8	41.0	5.0	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington Ty'y	28.10	713.7	29.86	758.4	47.0	8.3	89	n.	1	0.4	.....	0	2 s	.....	.....	0.06	1.5	clear	H.S.Blandford.
Deadwood, Dakota	25.41	645.4	30.10	764.5	37.0	2.8	58	s.	10	4.5	.....	3 c	0	w.	.....	0	0	clear	G.Kingsbury.
Delaware Breakwater, Del	30.03	762.7	30.05	763.3	44.2	6.8	86	ne.	17	7.6	.....	.....	10 ks	.....	w.	0.10	2.5	cloudy	G.A.Martin.
Denver, Colorado	24.79	629.7	30.06	763.5	34.3	1.3	80	s.	2	0.9	.....	0	2 s	.....	.....	inap.	inap.	clear	F. M. Neal.
Des Moines, Iowa	29.31	744.5	30.24	768.1	39.4	4.1	51	n.	8	3.6	.....	10 cs	0	w.	.....	0	0	cloudy	F. W. Conrad.
Detroit, Michigan	29.38	746.2	30.11	764.8	38.1	3.4	73	n.	3	1.3	.....	0	hz.	.....	.....	0	0	clear	N.B.Conger.
Dodge City, Kansas	27.00	701.0	30.24	768.1	29.8	— 1.2	74	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.47	748.5	30.20	767.1	41.2	5.1	43	nw.	4	1.8	.....	1 ck	0	w.	.....	0	0	clear	A.W.Browne.
Duluth, Minnesota	29.58	751.3	30.35	770.9	34.0	1.1	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
Eastport, Maine	29.84	757.9	29.91	759.7	37.5	3.1	82	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	D. C. Murphy.
Elliott, Fort, Texas	27.43	696.7	30.21	767.3	37.5	3.1	64	n.	3	1.3	.....	.....	10 s	.....	nw.	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.28	667.5	30.02	762.5	46.7	8.2	44	e.	2	0.9	.....	0	0	.....	.....	0	0	clear	F.Belford.
Erie, Pennsylvania	29.36	745.7	30.11	764.8	41.4	5.2	62	calm	0	0	.....	0	0	.....	.....	0	0	clear	P.Wood.
Escanaba, Michigan	29.54	750.3	30.23	767.8	32.8	0.4	76	n.	8	3.6	.....	1 c	0	nw.	.....	inap.	inap.	clear	L.M.Pindell.
Fort Smith, Arkansas	29.65	753 1	30.13	765.3	36.5	2.5	89	w.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.19	766 8	30.23	767.8	51.0	10.6	66	n.	15	6.7	.....	hz.	0	.....	.....	0	0	clear	E. O'C. Macinerney
Grand Haven, Michigan	29.47	748.5	30.16	766.1	43.0	6.1	43	n.	5	2.2	.....	6 c	0	.....	.....	0	0	fair	Joseph E. Mueller.
Grant, Fort, Arizona	25.24	641.1	29.97	761.2	53.6	12.0	24	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.92	760.0	29.93	760.2	49.0	9.4	96	ne.	21	9.4	.....	.....	10 s	.....	n.	0.40	10.2	cloudy	R. M. Crawford

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
United States.—Cont'd.																			
Helena, Montana	25.68	652.3	29.89	759.2	43	6.1	72	nw.	7	3.1		0	9 s			0	0	cloudy	**S. W. Morrison.**
Huron, Dakota	28.86	733.0	30.31	769.9	32.2	0.1	69	e.	1	0.4		0	2 s			0	0	clear	S. W. Glenn.
Indianapolis, Indiana	29.18	741.2	30.00	762.0	37.8	3.2	83	**ne.**	6	2.7			10 n		ne.	0.30	7.6	light rain	C. F. R. Wappenhans.
Indianola, Texas	30.19	766.8	30.22	767.6	52.3	11.3	63	ne.	16	7.2		0	hz.			0	0	clear	I. A. Reed.
Jacksonville Florida	29.95	760.7	29.99	761.7	62.4	16.9	70	w	1	0.4		0	0			0.05	1.3	clear	J. W. Smith.
Keokuk, Iowa	29.44	747 8	30.12	765.0	41.4	5.2	62	n.	5	2.2			10 s		n.	0	0	cloudy	F. Z. Gosewisch.
Key West, Florida	29.98	761.5	30.00	762.0	76.5	24.7	79	n.	15	6.7			10 ks		ne; se.	0.62	15.7	threatening	**J. Harvey Smith.**
Kittyhawk, North Carolina	29.95	760.7	29.97	761.2	44.7	7.1	94	ne.	28	12.5			fg; ion			1.37	34.8	light rain	**Wesley Blake.**
Knoxville, Tennessee	28.91	734.3	29.95	760.7	49.1	9.5	95	sw.	1	0.4			10 n		sw.	0.12	3.0	light rain	J. A. Cody.
La Crosse, Wisconsin	29.47	748.5	30.27	768.8	40.0	4.4	65	n.	5	2.2		4 c	0			0	0	fair	S. C. Emery.
Leavenworth, Kansas	29.29	744.0	30.20	767.1	39	3.9	73	nw.	6	2.7		0	2 s			0	0	clear	**C. Dill.**
Lewiston, Idaho	29.03	737.3	29.88	758.9	52.0	11.1	86	ne.	3	1.3			10 s			0.09	2.3	cloudy	C. E. Butler.
Little Rock, Arkansas	29.76	755.9	30.08	764.0	44.0	6.7	76	nw.	5	2.2			10 s			0	0	cloudy	**W. U. Simons.**
Los Angeles, California	29.67	753.6	30.07	763.8	54.6	12.6	93	calm	0	0			10 s			0.01	0.3	cloudy	T. S. Collins
Louisville, Kentucky	29.38	746.2	29.95	760.7	45.3	7.4	89	n.	6	2.7			10 s			0.02	0.5	cloudy	**E. B. Garriott.**
Lynchburg, Virginia	29.36	745 7	30.07	763.8	42.0	5.6	82	**ne.**	2	0.9			10 n		ne.	0.13	3.3	light rain	**Jno. Healy.**
Mackinaw City, Michigan	29.57	751.1	30.25	768.3	36.5	2.5	75	ne.	4	1.8		0	0			0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.95	760.7	29.96	761.0	47.0	8.3	98	nw.	18	8.0			10 s		**nw.**	0.08	2.0	cloudy	William Daly.
Maginnis, Fort, Montana	25.49	647.4	29.99	761.7	46.6	8.1	32	**se.**	10	4.5		0	0			0	0	clear	F. Burke.
Marquette, Michigan	29.54	750.3	30.29	769.4	36.3	2.4	67	**sw.**	2	0.9		0	0			0	0	clear	J. Gilligan.
Memphis, Tennessee	29.70	754.4	30.04	763.0	43.0	6.1	74	nw.	3	1.3			10 s		nw.	0.07	1.8	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.41	747.0	30.18	766.6	38.9	3.8	63	n.	16	7.2		4 cs	0	n.		0	0	fair	**S. W. Rhode.**
Mobile, Alabama	30.04	763.0	30.08	764.0	50.4	10.2	80	nw.	5	2.2		3 c	3 k	n.	nw.	0	0	fair	H. U. Jones.
Montgomery, Alabama	29.78	756.4	30.01	762.2	52.1	11.2	85	w.	0	2.7		1 k	8 ks		nw.	0	0	cloudy	**S. M. Leitzell.**
Moorhead, Minnesota	29.25	742.9	30.28	769.1	35.8	2.1	63	calm	0	0		0	0			0	0	clear	**L. M. Dey.**
Mt. Washington, N. H.	23.62	599.9	30.03	762.7	22.0	— 5.6	76	nw.	14	6.3		0	0			0.10	2.5	clear	**E. A. Beals.**
Nashville, Tennessee	29.40	746.7	29.98	761.5	43.2	6.2	88	w	4	1.8			10 n		sw.	0.01	0.3	light rain	L. N. Jesunofsky.
New Haven, Connecticut	29.96	761.0	30.08	764.0	43.8	6.6	54	n.	2	0.9		0	0			0	0	clear	J. H. Sherman.
New London, Connecticut	30.03	762.7	30.08	764.0	45.0	7.2	76	n.	1	0.4		2 ck	2 k	w.	nw.	0	0	fair	J. G. Lynch.
New Orleans, Louisiana	30.06	763.5	30.12	765.0	55.0	12.8	55	nw.	6	2.7			10 ks		nw.	0	0	cloudy	**M. Hernan.**
New York, New York	29.90	759.4	30.08	764.0	48	8.9	86	calm	0	0		0	5s; fg			0	0	fair	**W. Finn.**
Norfolk, Virginia	29.95	760.7	29.98	761.5	45.2	7.3	83	**ne.**	12	5.4			10 s		ne.	0.41	10.4	cloudy	Wm. Davis.
North Platte, Nebraska	27.28	692.9	30.24	768.1	35.6	2.0	74	calm	0	0		0	**sk.**			inap.	inap.	clear	**E. F. Brady.**
Olympia, Washington Ter	29.72	754.9	29 76	755.9	52.5	11.4	93	calm	0	0			10 n			0.10	2.5	light rain	J. Dascomb
Omaha, Nebraska	29.06	738.1	30.27	768.8	36.5	2.5	80	n.	2	0.9		0	0			0	0	clear	A. Pollak
Oswego, New York	29.78	756.4	30.12	765.0	40.0	4.4	81	n.	2	0.9		0	hz.			inap.	inap.	clear	J. G. Linsley.
Palestine, Texas	29.67	753.6	30.23	767.8	40.2	4.6	89	nw.	4	1.8		0	2 s			0	0	clear	**P. T. Jenkins.**
Pensacola, Florida	30.03	762.7	30.06	763.5	53.2	11.8	74	nw.	7	3.1			10 s		w.	0	0	cloudy	M. McGauran.
Philadelphia, Pa	29.95	760.7	30.08	764.0	46	7.8	68	ne.	13	5.8		1 ck	hz.			0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.80	452.1	30.08	764.0	8.0	—13.3	69	n.	22	9.8		5 cs	0	nw.		0.01	0.3	fair	H. Hall.
Pittsburg, Pennsylvania	29.21	741.9	30.04	763.0	44.6	7.0	59	ne.	6	2.7			10 s		ne.	inap.	inap.	cloudy	**O. D. Stewart.**
Poplar River, Montana					37.4	3.0	55					0	0			0	0	clear	**Geo. A. Carden.**
Port Huron, Michigan	29.41	747.0	30.11	764.8	36.4	2.4	89	n.	10	4.5		0	0			0	0	clear	M. H. Perry
Portland, Maine	29.95	760.7	30.00	762.0	39.3	4.1	65	w.	9	4.0		0	0			inap.	inap.	clear	W. W. Eichelberger.
Portland, Oregon	29.69	754.1	29.76	755.9	54.0	12.2	90	s.	6	2.7			10 n			0.14	3.6	light rain	M. L. Hearne.
Prescott, Arizona	24.75	628.6	30.02	762.5	39.2	4.0	78	calm	0	0		0	0			0	0	clear	**J. Glover.**
Provincetown, Mass.																			C. N. Kitchel.
Red Bluff, California	29.64	752.8	30.00	762.0	54	12.2	93	s.	12	5.4			10 n			0.08	2.0	light rain	J. R. Williams.
Rio Grande City, Texas	30.01	762.2	30.25	768.3	50.0	10.0	82	e.	1	0.4		0	0			0	0	clear	**L. G. Schultz.**
Rochester, N. Y	29.44	747.8	30.13	765.3	36.5	2.5	70	sw.	5	2.2		0	**sk.**			0	0	clear	**E. W. McGann.**
Roseburg, Oregon	29.26	743.2	29.82	757.4	56.2	13.4	63	s.	8	3.6			10 s		s.	0	0	threatening	J. J. Nanry.
Sacramento, California	29.97	761.2	30.04	763.0	56.5	13.6	90	s.	4	1.8			10 s		s.	0	0	cloudy	J. A. Barwick
St. Louis, Missouri	29.41	747.0	30.04	763.0	38.6	3.7	95	n.	11	4.9			ion; sk		n.	0.39	9.9	light rain	J. H. Weber.
St. Michael, Fort, Alaska	29.60	751.8	29.64	752.8	25	— 3.9	100	n.	15	6.7			10 s		n.	0	0	cloudy	**Fred. H. Clarke.**
St. Paul, Minnesota	29.37	746.0	30.25	768.3	39.7	4.3	53	n.	3	1.3		3 cs	0			0	0	clear	P. F Lyons.
St. Vincent, Minnesota	29.42	747.3	30.33	770.4	33	0.6	83	s.	2	0.9		0	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.59	650.0	29.96	761.0	49.7	9.8	61	**se.**	3	1.3			10 ks		sw.	0.03	0.8	cloudy	J. Craig.
San Diego, California	29.96	761.0	30.03	762.7	55.7	13.2	91	n.	2	0.9			10 s			0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.33	745.0	30.03	762.7	43	6.1	67	ne.	18	8.0		7 ck	0	ne.		0	0	fair	**B. F. Hough.**
Sandy Hook, New Jersey	30.05	763.3	30.08	764.0	45.0	7.2	68	**ne.**	8	3.6		3 ck	0			0	0	clear	**V. P. Chappel.**
Sanford, Florida	29.94	760.5	29.99	761.7	62.1	16.7	81	nw.	6	2.7		3 cs	0	w.		0.03	0.8	clear	J. B. Marbury
San Francisco, California	29.98	761.5	30.05	763.3	57.2	14.0	79	s.	3	1.3			10 s		s.	0	0	cloudy	N. Gorom.
Savannah, Georgia	29.88	758.9	29.96	761.0	56	13.3	86	**ne.**	4	1.8			10 n		**ne.**	0.03	0.8	light rain	**H. W. Ford.**
Shaw, Fort, Montana	26.27	667.2	29.94	760.5	40	4.4	59	w	3	1.3			3 k	w.		0	0	clear	**A. L. Mathews.**
Shreveport, Louisiana	29.96	761.0	30.20	767.1	41.0	5.0	82	**nw.**	5	2.2		0	0			0	0	clear	**E. N. Meekins.**
Sitka, Alaska	29.52	749.8	29.59	751.6	49.5	9.7	67	**e.**	4	1.8		0	4 ks		e.	0.07	1.8	fair	F. W. Fickett.
Smithville, North Carolina	29.93	760.2	29.97	761.2	45.0	7.2	96	n.	7	3.1			10 s		n.	0.02	0.5	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.81	706.4	29.87	758.7	49.0	9.4	86	**e.**	5	2.2			10 s			0.10	2.5	cloudy	**D. Moore.**
Springfield, Illinois	29.37	746.0	30.07	763.8	39.3	4.1	83	n.	10	4.5			10 n			0.30	7.6	light rain	**W. Norrington.**
Stockton, Fort, Texas	27.10	688.3	30.13	765 3	42.7	5.9	64	**e.**	6	2.7		0	0			0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.54	750.3	29.64	752.8	51.3	10.7	91	**se.**	16	7.2			10 n		se.	0.17	4.3	light rain	R. Connor.
Thomas, Camp, Arizona	27.29	693.2	30.02	762.5	41.5	5.3	52	calm			0	0	0			0	0	clear	**R. C. Lord.**
Toledo, Ohio	29.34	745.2	30.05	763.3	41	5.0	69	ne.	10	4.5		9 cs	0	ne.		0	0	cloudy	A. Buell.
Unalashka, Alaska	29.01	752.1	29.63	752.0	33	0.6	88	sw.	10	4.5		0	3 s			0.07	1.8	clear	Samuel Applegate.
Vicksburg, Mississippi	29.86	758.4	30.12	765.0	49.7	9.8	68	nw.	16	7.2			10 s		nw.	0	0	cloudy	**F. W. Mixer.**
Washington, D. C.	29.96	761.0	30.08	764.0	47.0	8.3	64	ne.	6	2.7			10 s		**nw.**	inap.	inap.	cloudy	T. B. Harrison.
West Las Animas, Colorado	26.17	664.7	30.12	765.0	41.8	5.4	58	**se.**	4	1.8			10 k			0	0	cloudy	F. H. Brandenburg.
Wilmington, N. Carolina	29.93	760.2	29.99	761.7	46.0	7.8	88	n.	5	2.2			10 s			0.06	1.5	cloudy	**L. H. Albrecht.**
Yankton, Dakota	28.95	735.3	30.29	769.4	33.2	0.7	80	nw.	1	0.4		hz.	0			0	0	clear	E. H. Thompson.
Yuma, Arizona	29.75	755.6	29.90	759.4	60.0	15.6	05	**se.**	1	0.4		0	0			0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.56	750.8	29.58	751.3	33.0	0.6		**se.**	1	0.4			fg.			0.14	3.6	cloudy	George Cherunick.
Bluefields, Nicaragua, C. A					84	28.9		nw.			1	1 c	2 k		ne.	0	0	fair	W. F. Jackson.
Bogota, U. S. C.	22.66	560.4			54.5	12.5	90	calm	0	0		5 cs	4 k	nw.	e.	0.315	8.0		Joaquin Gomez.
Chimo, Fort, Ungava	30.20	767.1	30.35	770.9	15	— 9.4	83	calm	0	0			10 s		s.	0	0	cloudy	**L. M. Turner.**
Kingston, Jamaica, W. I.			29.94	760.5	80	26.7	82	e.	3	1.3		0	5 s		e.	0	0	fair	Robert Johnston.
Paramaribo, S. A.	30.03	762.7	30.03	762.7	80	26.7	82	e.			3	5 k	6 ks	e.	e.	0.580	14.7		Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.56	750.8	30.12	765.0	79	26.1	95	s.			1		5 k		calm	0	0	fair	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	29.90	759.4	30.00	763.5	76.5	24.7	85	ne.			1	cs		se.		0.16	4.1	clear	Earl Flint.
York Factory, B. A.	30.28	769.1	30.34	770.0	— 1.5	—18.6	84	w.	8	3.6		1 c	0	w.		0	0	fair	Fortescue & Wood.
U. S. of Colombia. *(Sub series).*																			
Colon																			P. Fasiani.
Naos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Arizona, N. 46° 57′, W. 37° 22′	30.20	767.1	51	10.6		nw.			2		10		w.	0	0	sm'h		overcast.
S. S. Alvo, Kingston, Jamaica, W.I *	29.94	760.5	78	25.6		se.			4		4		se.	0	0			fine.
S. S. Alps, N. 40° 20′, W. 73° 37′			55	12.8		ne.			1		2		nne.	0	0	sm'h	ne.	clear.
S. S. Anchoria, N. 43° 09′, W. 51° 29′						e.			3		0			0	0	light	s.	clear.
S. S. Assyrian Monarch, N. 41° 09′, W. 55° 31′†	30.07	763.8	64	17.8		ese.			5		2		ese.	0	0	high	ese.	clear.
S. S. Bohemia, N 39° 46′, W. 69° 26′						ne.			5		4		ne.	0	0	sm'h	ne.	fair.
S. S. Bothnia N. 49° 05′, W. 31° 34′	30.04	763.0	50	10.0	86	nw.			4		10		nw.	0	0	mod.	nw.	gloomy.
S. S. City of Washington, N. 21° 53′, W. 88° 11′*†	30.02	762.5	82	27.8		n.			4		5		n.	0	0			fine.
S. S. Canada, (Br) N. 40° 29′, W. 73° 32′†	30.04	763.0	54	12.2	93	nw.			2		0			0	0	sm'h		clear.
S. S. Circassian, N. 37° 35′, W. 74° 48′			46	7.8	77	ne.			5		10		ne.			4	ne.	raining.
S. S. Cienfuegos, N. 19° 45′, W. 76° 50′			77	25.0		se.			3		2		ene.	½ h'r	½ h'r	small	ese.	clear
S. S. Canada, (Fr) N. 47° 42′, W. 32° 31′	30.10	764.6	44.6	7		nw.			4		k		nw.			sm'h	nw.	clear.
Bk. C. S. Bushnell, N. 43° 09′, W 47° 49′	30.22	767.6				ene.			3		2		se.	0	0	long	s.	d. clouds.
S. S. Eider, N. 43° 08′, W. 56° 15′ *	30.08	764.1	44.6	7.0		se.			3–4		4		se.	0	0	long	se.	hazy.
S. S Egypt, N. 41° 01′, W. 52° 24′†	30.07	763.8	60	15.6		e.			2		0			0	0	sm'h	s.	clear.
S. S. Holland, N. 46° 01′, W. 29° 45′ *	30.11	764.8	53	11.7		nw.			3		6		nnw.	1 h'r	1 h'r	mod.	nnw.	clear.
S. S. Helvetia, N. 40° 32′, W. 64° 18′			55	12.8	100	nnw.			5		6		n.	0	0	mod.	ene.	fair.
S. S. Lord Clive, N. 42° 39′, W. 48° 17′						e.			1		1		e.	0	0	sli't	e	fine.
S. S. Lone Star, N. 27° 03′, W. 89° 02′			65	18.3		nw.			4		8?		wnw.	0	0	r'gh	wnw.	clear.?
S. S. Llandaff City, N. 39° 48′, W. 61° 04′ *†	29.88	758.9				sse.			4		9		s.	rain	rain	mod.	e.	rainy.
S. S. Madrid, N. 38° 53′, W. 65° 58′ †	30.05	763.3	50	10.0	86	ne.			2		0			0	0	mod.	var.	clear.
S. S. Main, N. 40° 34′, W. 51° 46′	30.09	764.3	62.6	17.0		e.			4		2		e.	0	0	mod.	e.	clear.
S. S. Nova Scotian, N 39° 14′ W. 70° 27′	30.10	764.5	52	11.1		ne.			3		0					sm'h		clear.
S. S. Nessmore, N. 50° 07′, W. 18° 23′	29.77	756.1	50	10.0	93	ne.			4		5		ne.	0	0	sm'h	nw.	fair.
S. S. Normandie, N. 45° 45′, W. 18° 40′*†	29.76	756.0	51.8	11		n.			2		10		n.	3 h'r	3 h'r	sm'h		cloudy.
S. S. Orinoco, Bermuda, Atlantic			79	26.1		calm			0		5			0	0			fine.
S. S. Polynesian, N. 43° 30′, W 68° 10′			39	3.9		nnw.			1		2		nw.	0	0	sm'h		hazy.
S. S. Rosse, N. 41° 39′, W. 51° 23′			51	10.6	93	ene.			4		0			0	0	short	ese.	clear.
S. S. Rhaetia, N. 44° 19′, W. 41° 17′	30.19	766.8	56	13.3		e			3		2		calm	0	0	sm'h		fair.
S. S. State of Nebraska, N. 50° 26′, W. 29° 12′*†	29.99	761.7	44	6.7		nw.			5		7		w.	sh'rs	sh'rs	sm'h		fair.
S. S. Salier, N. 50° 17′, W. 2° 45′	29.97	761.2				ne.			5		2		ene.	0	0	sm'h	e.	clear.
S. S. Valencia, N. 25° 51′, W. 70° 02′ †	30.08	764.0	78	25.6	82	s.			5		2		s.	0	0	light	s.	clear.
S. S. Westernland, N. 47° 22′, W. 29° 43′	30.07	763.8	55	12.8	81	nw.			5		2		nw.	2 h'r	2 h'r	light	nw.	fair.
S. S. Waesland, N. 40° 55′, W. 67° 30′	30.03	762.7	42	5.6		nnw			5		7		n.			mod.	e.	fine.
S. S. Lessing, N. 46° 06′, W. 34° 46′			55	12.8		nnw.			3		3		nnw	0	0	sm'h	n.	clear.
Schr Adda Doane, Port Antonio, Jamaica, W.I †	30.07	763.8				se.			3		2		e.	0	0			clear.
S. S. America, N. 52° 05′, E. 3° —	29.94	760.5	57?	13.9?		ene.			3		4		se.	0	0	light	ene.	fair.
Bg. Belle of the Bay, N. 33° 00′, W. 73° 50′*†	29.95	760.7				w.			3		4		sw.	6 h'r	6 h'r	con.	s	fair.
S. S. Celtic, N. 43° 03′, W. 47° 25′			55	12.8		e.			2		1		se.			sm'h	n.	clear.
S. S. Caracas, Curacoa, W I *†	30.01	762.2	80	26.7	87	e.			4		5		e.	0	0	light	ese.	fine.
S. S. City of Merida, N. 19° 11′, W. 96° 08′			71.6	22.		wnw.			1		10		n.	1 h'r	1 h'r			cloudy.
S. S. Chalmette, N. 25° 50′, W. 80° 07′†	30.04	763.0	71	21.7		n.			4		8		ne.	6 h'r	6 h'r	sm'h		fair.
S. S. Elysia, N. 48° 36′, W. 32° 14′ *	30.06	763.5	47	8.3		nnw.			4		8		nnw.	1 h'r	1 h'r	sm'h		overcast.
S. S. Erin, N. 42° 05′ W. 43° 06′	30.24	768.1	60	15.6		ene.			4		2		e.	2 h'r	2 h'r	sli't	e.	clear.
S. S. England, Liverpool, Eng	30.01	762.2				nne.			2		2		nne.	0	0			hazy.
S. S. Foscolia, N. 27° 12′, W. 72° 04′			79	26.1		sw.			3		5		ssw.	0	0	sm'h		fine.
S. S. Grecian, N. 53° 00′, W. 22° 45	29.71	754.6	45	7.2	68	n.			5		5		n.	1 h'r	1 h'r	sm'h		clear.
S. S. Muriel, New York Harbor, N. Y	30.04	763.0	49	9.4		nne.			3		0					sm'h		clear.
S. S. Neckar, N. 49° 36′, W. 20° 20′	29.77	756.1	49.1	9.5		nw.			4		3		wnw.	2 h'r	2 h'r	mod.	nw.	h'vy squalls
S. S. Ontario, N. 47° 44′, W. 31° 01′			58	14.4	100	nne.			2		7		nne.	sh'rs	sh'rs	sm'h	ne.	fair.
S. S. Pennsylvania, Liverpool, England			46	7.8	84	se.			1		0			0	0			clear.
S. S. Pavonia, Mersey river, Eng	29.92	760.0	50	10.0	93	wnw.			2		7		w.	0	0	sm'h		fair.
Bk. Tros, off Cape Henlopen, Del			45	7.2		ne.			2		3			0	0	sm'h		fair.
S. S. Werra, N. 49° 15′, W. 16° 27′			46.4	8.0		sw.			5–6		10		sw.	2 h'r	2 h'r	r'gh	sw.	cloudy.
U. S. S. Alliance, N. 24° 25′, W. 82° 00′	30.00	762.0	77	25.0	82	nnw.			3		8		nw.	light	light	sm'h		cloudy.
U. S. S. Galena, N. 17° 02′, W. 69° 50′ *	30.03	762.7	79	20.1	74	se.			3		2		s; e.			sm'h		fair.
U. S. S. Jamestown, St. Kitts, W. I.	30.09	764.3	78	25.6	73	ene.			1		5					sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.84	757.9	79	26.1	82	sse.			3		10		calm					cloudy.
U. S. S. Lancaster, Smyrna, Turkey	29.84	757.9	80	26.7	58	s.			4		2					sm'h		fair.
U. S. S. New Hampshire, Newport, R. I.	30.00	763.5	39	3.9	27	n.			1		2							fair.
U. S. S. Ossipee, Norfolk, Va *	30.00	762.0	46	7.8	100	ne.			2		10		ne.					cloudy.
U. S. S. Penacola. Brigetown, Barbadoes, W. I †	30.06	763.5	77	25.0	91	ne.			1		8		ne.	0.50	12.7	sm'h		fair.
U. S. S. Portsmouth, N. 39° —, W. 73° 57′			44	6.7	76	ne.			2		8		ne.			sm'h		fair.
U. S. S. Powhatan, Newport, R. I.	30.05	763.3	44	6.7	100	calm			2		2							fair.
U. S. S. Quinnebaug, N. 36° 09′, E. 27° 06′	29.89	759.2	69?	20.6?	80	s.			2		5					sm'h		fair.
U. S. S. Saratoga, Lisbon, Portugal	29.59	751.6	59	15.0	88	wsw.			3–6		8		w.	light	light	mod.	w.	squally.
U. S. S. Swatara, Matanzas, Cuba W. I.	29.99	761.7	76	24.4	91	calm			0		0?			0	0	sm'h		cloudy.?
U. S. S. Tennessee, Key West, Fla	29.98	761.5	76	24.4	100	nne.			3		8		sw.	sli't	sli't	sm'h		drizzling.
U. S. S. Vandalia, Matanzas, Cuba, W. I.	30.00	762.0	76	24.4	86	calm			0		5		calm					fair.
U. S. S. Yantic, Key West, Fla	30.01	762.2	76	24.4	86	nnw.			3		10							cloudy
U. S. Navy Yard, Portsmouth, N. H *	29.95	760.7	40	4.4	73	nw.	10	4.5			0			0	0			clear
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.68	753.9	72	22.2	76	wnw.			2		0							blue sky.
H. M. S. Alecto, N. 4° 58, W. 2° 31′	29.86	758.4	81	27.2		s.			1		10					5	s	d. clouds.
H. M. S Inflexible, N. 37° 26′, E. 16° 29′	29.61	752 1	65	18.3	100	ssw.			2		0					4	se.	blue sky.
H. M. S. Minotaur, N. 37° 27′, E. 9° 02′			63.5	17.5	81	w.			1		1							misty.
H. M. S. Tyne, N. 28° 20′, E. 33° 10′	29.80?	756.9?	75	23.9	68	n.			0		0							misty.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.91	759.7	80.6	27.0	88	s.			3		10		se.	0	0	2	n.	d. clouds.
S. S. British Crown, N. 39° 35′, W. 57° 47′†	29.92	760.0	63	17.2		se.			7		5		se.	0	0	4	se.	
S. S. Ohio, (Am.) N. 51° 46′, W. 7° 54′			49.5	9.7	82	sse.			2		4		se.	0	0	high	ese.	clear.
S. S. Scandinavian, N 42° 03′, W. 53° 59′	30.07	763.8	58	14.4		e.			4					0	0	short	e.	blue sky.
S. S. Athos, N. 12° 28′, W. 76° 12′†	29.89	759.2				nne.			2		5?		ne.	0	0	mod.	ne.	clear.?
S. S. Dorian, Boston, Mass	30.06	763.5												0	0			fine.
S. S. California, N. 40° 41′, W. 70° 25′			49.3	9.6		nw.			1		1		nnw.	0	0	sm'h		clear.
S. S. Westphalia, New York, N. Y	30.06	763.5	54	12.2		n.			2		6		e.	0	0			cloudy.
S. S. Hammonia, N. 53° 18′, E. 4° 46′	29.89	759.2	50	10.0		ne.			3		6		ne.	2 h'r	2 h'r	sm'h		squally.
S. S. Hevalius, Liverpool, Eng			48	8.9		w.			4		4		w.	0	0			clear.
S. S. Sirius, Lisbon, Portugal	29.61	752.1				wsw.			4		10		wsw.	2 h'r	2 h'r			
S. S. Teniers, N. 29° 56′, W. 17° 54′	30.06	763.5	66.7	19.3	63	wnw.			4	c	3 k	ssw.				long	wnw.	blue sky.
S. S. Olbers, N. 40° 20′, W. 70° 20			42	5.6	83	n.			2		4		calm	0	0	sli't	ene.	clear
S. S. Archimede, (It.) Messina, Sicily			74	23.3		w.			2		2		w.	0	0			clear.
S. S. Gottardo, N. 35° 16′, W. 19° 00′			65	18.3		nw.			2		2		nw.	0	0		ne.	clear.
S. S. Strassburg, N. 43° 03′, W. 10° 46′	29.58	751.3	58	14.4	76	ne.			6		9		ne.	1½ hr	1½ hr	7	ne.	rain-squalls.
S. S. City of Augusta, New York, N. Y						ne.			3		3		ne.	0	0			clear.
S. S. Rhynland, N. 49 34′, W. 10° 45′			54	12.2	87	ese.			2		10			0	0	short	ese.	overcast.
S. S. Pennland, Antwerp, Belgium *†	29.90	759.4	50	10.0	72	ene.			2		7		ene.	0	0			fair.
S. S. Amsterdam, N. 40° 26′, W. 63° 53′ *	29.96	761.0	60.1	15.6	83	n.			4		5?		wsw.	0	0	mod.	se.	cloudy.?
S. S. W. A. Scholten, N. 50° 35′, E. 0° 07′			54.1	12.3	76	ene.			2		7		e.	0	0	1	e.	fair.
S. S. Britannic, N. 41° 16′, W. 46° 15′ †	30.15	765.8	58	14.4		ese.			4		3		e.	0	0	mod.	e.	d. clouds.
S. S. Salerno, N. 43° 25′, W. 36° 25′			60	15.6		ne.			2		4		ne.	0	0		ne.	fine.
Bg. Alcira, Maracaybo, Venezuela	29.90	759.4	85	29.4		var.					4?		e.	0	0			clear.?
S. S. Antonio Lopez, Cadiz, Spain	29.86	758.4	62	10.7	69	wsw.			6		3			2 h'r	2 h'r			fair.
Schr. Arthur Burton, N. 18° 12′, W. 67° 25′						e.			1		1		ene.	0	0	sm'h	se.	fine.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W.I †	30.04	763.0	79	26.1		se.			1		0			0	0			clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-Swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Schr. Annie A. Holton, N. 24° 09′, W. 85° 47′	.....	.....	80	26.7	.....	nnw.	.....	.....	6	.....	2	.....	nw.	0	0	r'gh	var.	clear.
Bg. Abbie Clifford, Port of Spain, Trinidad, W.I.	.....	.....	81	27.2	.....	ese.	.....	.....	2	.....	8	.....	.....	0	0	.....	.....	cloudy.
Bgt. Achsah, N 40° 48′, W. 63° 45′ †	29.66	761.0	61	16.1	.....	nnw.	.....	.....	6	.....	10	.....	nnw.	0	0	r'gh	nnw.	cloudy.
S. Annie, Bayonne, N. J.	30.09	764.3	.....	.....	.....	n.	.....	.....	2	.....	3	.....	wsw.	.....	.....	.....	.....	fair.
Bk. Adelaide, N. 30° 08′, W. 71° 55′ *†	29.99	761.7	73	22.8	.....	wsw.	.....	.....	5	.....	3	.....	nw.	6 h'r	6 h'r	mod.	wsw.	fair.
Schr. Abbie H. Gheen, Wilmington, Del	.....	.....	60	15.6	.....	ene.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Benjamin Dickerman, N. 89 41′, W. 56° 23′*†	30.00	762.0	80	26.7	.....	ne.	.....	.....	5	.....	4	.....	ne.	0	0	long	ne.	clear.
Bk. Charles Stewart, N. 38° 28′, E. 7° 00′*†	29.72	754.9	.....	.....	.....	sw.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
S. Cornelius, N. 19° 28′ W. 39° 09′ *†	30.11	761.8	77.4	25.2	.....	s.	.....	.....	2	.....	8	.....	.....	0	0	long	ne.	fair.
Bkt. Corisande, N. 39° 47′, W. 69° 50′	30.00?	762.0?	.....	.....	.....	ne.	.....	.....	2	.....	.....	.....	.....	0	0	sm'h	ene.	clear.
Bk. Diamant, N. 43° 51′, W. 18° 21′	29.80	756.8	53.6	12.0	69	nw.	.....	.....	1	.....	7	.....	nne.	1½h'r	1½h r	4	ene.	cloudy.
S. E. J. Spicer. N. 43° 27′, W. 23° 00′	29.99	761.7	55	12.8	93	nnw.	.....	.....	5	.....	5	.....	ne.	rain	rain	mod.	se.	fair.
Bk. Fred. W. Carlon, N. 30° 00′, W. 72° 12′ †	29.99	761.7	76	24.4	.....	sw.	.....	.....	4	.....	2	.....	sw.	0	0	mod.	nw.	clear.
S. Ismir, N. 25° 40′, W. 67° 57′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	2	.....	calm	0	0	sm'h	.....	fine.
Bk. Gloire, N. 42° 17′, W. 34° 47′	30.17	766.3	57	13.9	78	nne.	.....	.....	2	.....	.....	.....	nne.	0	0	long	e.	clear.
S. Grecian, N 49° 45′, W. 6° 20′†	29.88	758.9	49	9.4	71	e.	.....	.....	6	.....	4	.....	e.	0	0	sm'h	.....	clear.
S. Hedwig, N 38° 16′, E. 6° 07′	29.73	755.1	63.7	17.6	92	sw.	.....	.....	5	.....	3	.....	sw.	0	0	1	w.	fine.
Bk. Hattie G. McFarland, Pascagoula, Miss†	30.08	764.0	51	10.6	.....	nw.	.....	.....	5	.....	9	.....	n.	0	0	.....	.....	cloudy
S. Henry, N. 38° 12′, E. 5° 48′ *	29.72	754.9	62.8	17.1	.....	wsw.	.....	.....	6	3 ck	.....	.....	.....	.....	.....	4	w.	hazy.
Bk. Horace Scudder, N. 0° 34′, E. 6° 56′	.....	.....	83	28.3	.....	se.	.....	.....	2	.....	5	.....	sw.	0	0	.....	.....	fair.
Bk. Ibis, N. 29° 25′, W. 71° 40′	.....	.....	64	17.8	.....	ese.	.....	.....	4	.....	4	.....	s.	0	0	mod.	se.	fine.
Schr. Jennie N. Huddell, Washington, D.C. †	30.08	764.0	54	12.2	.....	ne.	.....	.....	1	.....	10	.....	.....	rain	rain	.....	.....	cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	29.98	761.5	.....	.....	.....	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Bg. John Welsh, jr., N. 23° 17′, W. 70° 30′	.....	.....	.....	.....	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	sm'h	se	clear
Schr. John Bird, N. 35° 17′ W. 74° 34′	.....	.....	.....	.....	.....	ene.	.....	.....	6	.....	10	.....	nnw.	5 h'r	5 h'r	cross	var.	
Schr. Jenny Greenbank, N. 24° 19′, W. 73° 52′ *	30.05	763.5	74.5	23.6	.....	sse.	.....	.....	3	.....	3	.....	sse.	0	0	sm'h	.....	clear.
Schr. Jenny R. Morse, Darien, Ga †	29.98	761.5	.....	.....	.....	wnw	.....	.....	2	.....	1	.....	sw.	rain	rain	.....	.....	
Light-house tender Laurel, Sombrero Light, Florida†	29.99	761.7	79	26.1	.....	sw.	.....	.....	1	.....	9	.....	sw.	4 h'r	4 h'r	.....	.....	cloudy.
Bg. L. F. Munson, N. 29° 40′, W. 69° 55′ *†	30.03	762.7	70	21.1	.....	ssw.	.....	.....	5	.....	10	.....	.....	.....	.....	mod	ssw.	light rain.
Bkt. Levanter, Barbadoes, W. I.	.....	.....	81	27.2	.....	ne.	.....	.....	2	.....	6	.....	ne.	0	0	.....	.....	fair.
Bkt. Levi S. Andrews, N. 38° 25′, W. 58° 50′*†	29.91	759.7	67.5	19.7	.....	se.	.....	.....	5	.....	8	.....	s.	1 h'r	1 h'r	h'vy	se.	squally.
S. S. Mendoza, N. 41° 40′, W. 68° 38′ †	30.10	764.5	.....	.....	.....	nnw.	.....	.....	4	.....	.....	.....	nnw.	0	0	sm'h	se.	clear.
Schr. Norena, Ponce, Porto Rico, W.I†	30.05	763.3	.....	.....	.....	nne.	.....	.....	1	.....	.....	.....	.....	0	0	sm'h	.....	
Bk. Rosalie, N. 18° 58′, W. 54° 18′*†	30.05	763.3	.....	.....	.....	wsw.	.....	.....	1	.....	0	.....	.....	0	0	light	se.	clear.
Bk. Rosina, N. 32° 55′, W. 18° 56′	30.06	763.5	61	16.1	.....	w.	.....	.....	5	.....	5	.....	w.	0	0	mod.	n.	fair.
Bkt. Rosebud, N. 1° 08′, W. 25° 43′ *	30.00	762.0	87	30.6	.....	nne.	.....	.....	2	.....	2	.....	n.	0	0	sm'h	.....	fair.
S. Salisbury, N. 36° 07′, E. 13° 09′	29.67	753.5	66.9	19.4	90	wnw.	.....	.....	5–6	2 c	.....	w.	.....	0	0	long	w.	clear.
Bk. Saga, N. 49° 20′, W. 21° 33′	.....	.....	50	10.0	.....	.....	.....	.....	1–5	.....	6	.....	.....	4 h'r	4 h'r	.....	.....	squally.
Bk. Sunbeam, N. 24° 02′, W. 26° 15′ †	30.14	765.5	70	21.1	85	e.	.....	.....	3	.....	9	.....	e.	0	0	sm'h	.....	cloudy.
Bgt. Sunlight, N. 31° 42′, W. 63° 30′†	29.94	760.5	.....	.....	.....	nw.	.....	.....	2	.....	1	.....	nw.	0	0	sm'h	.....	clear.
S. Stephen D. Horton, New York, N.Y†	30.06	763.5	.....	.....	.....	ene.	.....	.....	3	.....	2	.....	.....	0	0	.....	.....	clear.
Bg. Teneriffe, N. 25° 45′, W. 77° 05′	29.99	761.7	.....	.....	.....	nw.	.....	.....	4	.....	10	.....	.....	0	0	.....	.....	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.06	763.5	78	25.6	.....	sw.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, S. 16° 30′, W. 5° 07′	29.91	759.7	76	24.4	81	ese.	14	6.3	.....	.....	5	.....	ese.	0	0	long	se.	fair.
H. M. S. Amethyst, Rio de la Platta	29.92	760.0	61.5	16.4	91	n.	.....	.....	1	.....	6	wsw.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.13	765.3	67	19.4	.....	se.	.....	.....	3	.....	2	se.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Cape of Good Hope, Cape Colony	30.12	765.0	72.5	22.5	69	wsw.	.....	.....	1	.....	2	.....	.....	.....	.....	.....	.....	blue sky.
Bk. Aureola, S. 0° 45′, W. 26° 10′†	30.11	764.8	84	28.9	75	sw.	.....	.....	2	.....	4	.....	ssw	½ h'r	½ h'r	mod.	s.	fair.
Bk. Achille F., S. 36° 30′, W. 53° 30′*†	30.08	764.0	60.5	15.8	94	wnw.	.....	.....	2	.....	2	.....	w.	0	0	sm'h	.....	
S. Frank N. Thayer, S. 41° 08′, E. 17° 58′*	30.27	768.8	62	16.7	61	calm	.....	.....	0	1 c	.....	wsw.	.....	0	0	light	wsw.	blue sky.
S. Gatherer, S. 50° 01′, W. 57° 48′†	29.56	750.8	40	4.4	100	se.	.....	.....	2	.....	4	.....	se.	½ h'r	½ h'r	mod.	se.	fair.
S. Ringleader, S. 29° 48′, W. 32° 30′ †	30.05	763.3	72	22.2	95	se.	.....	.....	2	.....	9	.....	w.	5 h'r	5 h'r	long	s.	overcast.
S. S. Archimedes, (Br) S. 3° 23′, W. 32° 14′	29.98	761.5	.....	.....	.....	var.	.....	.....	2	.....	3	.....	ne.	0	0	sm'h	.....	fair.
Bk. Xenia, S 41° 44′, E. 9° 03′ *†	30.25	768.3	56	13.3	.....	nw	.....	.....	6	.....	10	.....	w.	0	0	mod	w.	cloudy
H. P. M. S. Rainha de Portugal, Mossamedes, Benguela	29.86	758.4	77.9	25.5	68	wnw.	.....	.....	3	.....	3	.....	.....	0	0	2	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, N. 58° 30′, W. 135° 49′	.....	.....	42	5.6	82	n.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. Naval Hospital, Yokohama, Japan	.....	.....	49.5	9.7	89	calm	.....	.....	0	.....	10	.....	ne.	0.48	12.2	.....	.....	gloomy.
U. S. S. Alert, Shanghai, China	30.00	762.0	58	14.4	94	se.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Enterprise, Canton, China	29.96	761.0	76	24.4	77	sse.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Essex, N. 11° 38′, E. 103° 13′	29.94	760.5	79	26.1	82	nne	.....	.....	4	.....	2	.....	ne.	.....	.....	sm'h	.....	clear.
U. S. S. Juniata, Fernande Island, Corea	30.07	763.8	47	8.3	92	calm	.....	.....	0	.....	8	.....	.....	0	0	.....	.....	cloudy.
U. S. S. Monocacy, Canton, China	29.96	761.0	75	23.9	68	sse.	.....	.....	3	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Ranger, Fonseca Bay, C. A	29.96	761.0	80	26.7	78	se.	.....	.....	1	.....	10	.....	calm	0.05	1.3	sm'h	.....	overcast.
U. S. S. Trenton, Singapore, Malay Peninsula	29.84	757.9	86	30.0	92	ene.	.....	.....	3	.....	2	.....	.....	.....	.....	.....	.....	fair.
H.M.S. Audacious, Hong Kong, China	30.00	762.0	73	22.8	88	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Cleopatra, N. 37° 39′, E. 126° 35′	30.03	762.7	55	12.8	81	ssw.	.....	.....	2	.....	3	sw.	.....	.....	.....	1	.....	blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.03	762.7	64.2	17.9	85	ene.	.....	.....	3	.....	2	w.	.....	.....	.....	2	ne.	misty.
H. P. M. S. Tamega, Macao, China	30.00?	760.5?	74.3	23.5	74	e.	.....	.....	4	.....	4	.....	.....	0	0	.....	.....	d. clouds.
U. S. S. Palos, Shanghai, China	29.96	761.0	57	13.9	100	sse.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. Newbern, N. 23° 40′, W 111° 00′	.....	.....	63	17.2	83	sw.	.....	.....	3	.....	4	.....	wnw.	0	0	small	wnw.	clear.
S. S. Oceanic, N. 35° 16′, E. 139° 23′	.....	.....	52	11.1	86	calm	.....	.....	0	.....	4	.....	.....	0	0	sm'h	.....	fair.
S. S. Alameda, Honolulu, Sandwich Ids†	30.07	763.8	72	22.2	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	
S. S. Orizaba, San Francisco, Cal.	.....	.....	57	13.9	94	se.	.....	.....	2	.....	10	.....	se.	0	0	.....	.....	cloudy.
S. S. State of California, N. 42° 35′, W. 124° 40 †	29.79	756.7	51	10.6	.....	sse.	.....	.....	5	.....	10	.....	s.	.....	.....	h'vy	s.	raining.
S. S. City of Pekin, N. 43° 40′ W. 140° 36′†	29.60	751.8	49	9.4	64	wnw.	.....	.....	6	.....	5	.....	wnw.	0	0	r'gh	wnw.	fair.
S. S. City of Rio de Janeiro, N. 33° 25′, E. 136° 42′ †	29.73	755.1	57	13.9	.....	nw.	.....	.....	7	.....	3	.....	nnw.	.....	.....	large	nnw.	clear.
S. S. Colima, Panama, Panama†	29.90	761.0	76	24.4	82	nnw.	.....	.....	2	.....	0	.....	calm	0	0	.....	.....	cloudy.
S. S. San Blas, N. 16° 32′, W. 99° 43′†	29.93	760.2	77	25.0	100	n.	.....	.....	4	.....	0	.....	.....	0	0	.....	wsw.	clear.
S. S. San Jose, N. 21° 38′, W. 105° 20′ †	29.95	760.7	67	19.4	89	ne.	.....	.....	2	.....	1	.....	.....	0	0	.....	w	clear.
S. S. Zealandia, N. 13° 25′, W. 161° 15′	30.00	762.0	79	26.1	86	var.	.....	.....	4	.....	4	.....	.....	.....	.....	.....	.....	fair.
S. S. Benalder, N. 26° 30′, E. 120° 15′	30.09	764.3	63	17.2	83	nne.	.....	.....	3–4	.....	0	.....	.....	0	0	.....	.....	clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao Peru	30.00	762.0	71	21.7	95	calm	.....	.....	0	.....	5	.....	.....	.....	.....	sm'h	.....	fair.
U. S. S. Lackawanna, Callao, Peru	29.94	760.5	71	21.7	85	se.	.....	.....	1	.....	2	.....	se.	.....	.....	.....	.....	hazy.
U. S. S. Onward, Callao, Peru*†	30.00	763.5	70	21.1	95	calm	.....	.....	0	.....	5	.....	se.	.....	.....	sm'h	.....	fair.
U. S. S. Pinta, Valparaiso, Chili	30.05	763.3	60	15.6	94	calm	.....	.....	0	.....	10	.....	calm	.....	.....	.....	.....	misty.
U. S. S. Shenandoah, S. 50° 47′, W. 74° 22′ *	29.53	750.0	43	6.1	92	se	.....	.....	1	.....	5	.....	calm	.....	.....	sm'h	.....	fair
U. S. S. Wachusetts, Valparaiso, Chili	30.03	762.7	59	15.0	94	ne.	.....	.....	1	.....	10	.....	calm	.....	.....	sm'h	.....	overcast.
H. M. S. Nelson, Sydney, N.S.W.	29.90	759.4	60	15.9	84	w.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sappho, Valparaiso, Chili	30.00	762.0	60	15.6	100	var.	.....	.....	1	.....	7	nnw.	.....	.....	.....	.....	.....	misty.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.97	761.2	58	14.4	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, Sydney, N.S.W*	29.83	757.7	68	20.0	95	se.	.....	.....	2	.....	4	.....	.....	0	0	.....	.....	clear.
District No. 5—Indian Ocean.																		
U. S. S. Richmond, S. 1° 40′, E. 105° 02′	29.85	758.2	84	28.9	87	se.	.....	.....	1	.....	5	.....	se.	0	0	sm'h	se.	fair.
H. M. S. Euryalus, Massuah, Abyssinia	29.80	756.9	87	30.6	80	ne.	.....	.....	2	.....	8	calm	.....	.....	.....	.....	.....	overcast.
H. M. S. Magpie, S. 5° 21′, E. 58° 10′	29.84	757.9	83.5	28.6	75	ssw.	.....	.....	1	.....	2	.....	.....	.....	.....	2	se.	blue sky.
H. M. S. Myrmidon, Suakin, Egypt	29.86	758.4	86	30.0	84	n.	.....	.....	1	.....	8	n.	.....	.....	.....	.....	.....	overcast.
Bk. Childwall, off Kingston, N.S.W*	29.37	746.0	59	15.0	94	nw.	.....	.....	7	.....	8	.....	nw.	0	0	.....	.....	flue.
S. J. W. Gildemeister, S. 25° 22′, E. 53° 24′	30.19	769.8	77.9	25.5	59	se.	.....	.....	7	.....	3 k	.....	sse.	0	0	6	wsw.	d. clouds.
Bk. Nouva Margherita, S. 21° 53′, E. 75° 33′*†	29.90	759.4	.....	.....	.....	e.	.....	.....	3	.....	.....	.....	e.	0	0	.....	sw.	fair.
S. S. Lepanto, Bombay, India	29.79	756.7	86	30.0	.....	nne.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.

International Chart I. April 23, 1884. Isobars and Isotherms.

UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 24, 1884,

7 A. M., Washington Mean Time.

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.84	758.0	66.6	19.2	74	w.	.....	.....	1	.....	3	.....	.....	0	0	prettyfair.	Roziere.
Algiers	.....	.....	29.78	756.5	65.1	18.4	60	sw.	.....	.....	6	.....	0	.....	.....	0	0	clear	Théye.
La Calle	.....	.....	29.75	755.7	68.7	20.4	83	nnw.	.....	.....	2	.....	2	.....	.....	0.039	1.0	fair	Fonfrède.
Tunis	.....	.....	29.78	756.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.88	758.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.85	758.1	77.0	25.0	.....	nw.	.....	.....	1	.....	1	.....	.....	0	0	very fair	Abraham.
Biskra	.....	.....	29.84	757.8	77.7	25.4	55	nw.	.....	.....	1	.....	2	.....	.....	0	0	fair	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	29.64	752.8	59.0	15.0	67	nw.	15	6.7	.....	.....	10 k	.....	.....	0.342	8.7	showery	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.36	745.7	29.55	750.6	62	16.7	81	n.	10	4.5	.....	.....	7	.....	nnw.	inap.	inap.	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	29.46	748.3	29.55	750.6	64.5	18.1	70	n.	5	2.2	.....	.....	10	.....	.....	0	0	dull	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.09	738.8	29.63	752.5	55.4	13.0	56	se.	.....	.....	2	.....	10	.....	.....	0.130	3.3	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	28.79	731.2	29.56	750.7	46.0	7.8	64	nw.	12.5	5.6	.....	.....	8	.....	.....	0.087	2.2	.....	Dr. Wierzbiski
Eperies	28.67	728.1	29.53	750.0	54.7	12.6	66	calm	.....	.....	0	.....	9 ks	.....	se.	0.173	4.4	.....	Julius Mikolik.
Gratz	28.41	721.5	29.64	752.8	54.3	12.4	75	sw.	.....	.....	2	.....	7	.....	.....	0.173	4.4	.....	Andreas Rosplui.
Hermannstadt	28.13	714.5	29.51	749.6	61.5	16.4	60	n.	.....	.....	4	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.22	716.9	29.55	750.6	51.1	10.6	69	ene.	.....	.....	1	.....	6	.....	.....	0	c	.....	The Staff.
Lemberg	28.57	725.7	29.55	750.5	49.3	9.6	88	se.	.....	.....	2	.....	10	.....	.....	0.008	0.2	.....	Dr. T. Stanecki.
Pola	29.46	748.2	29.57	751.0	59.4	15.2	70	se.	.....	.....	4	.....	10	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.06	738.2	29.52	749.7	60.8	16.0	69	n.	.....	.....	4	.....	6	.....	.....	0	0	.....	Joseph Midlinsky, S. J
Szegedin	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.118	3.0	.....	Karl Stancel.
Trieste	29.51	749.5	29.61	752.0	60.8	16.0	64	nw.	.....	.....	1	.....	10	.....	.....	0.142	3.6	.....	Royal Academy.
Vienna	28.93	734.7	29.64	752.9	48.9	9.4	61	ne.	.....	.....	1	.....	1	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	40.1	4.5	77	ne.	.....	.....	2	.....	3	.....	.....	0.079	2.0	.....	
Brussels	29.56	750 8	29.76	756.0	44.2	6.8	54	ene.	.....	.....	1	.....	10	.....	nne.	0	0	.....	
Furnes	29.79	756.7	29.81	757.2	.....	.....	.....	ne.	.....	.....	1	.....	2	.....	.....	0.008	0.2	.....	
Maeseyck	29.62	752.4	29.75	755.6	47.1	8.4	64	n.	.....	.....	2	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.87	758.7	29.97	761.2	42.0	5.6	62	sse.	12	5.4	.....	.....	7	.....	.....	blank	blank	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.87	758.7	47.9	8.8	43	ese.	13	5.8	.....	.....	3	.....	.....	.....	.....	blue sky	John Hartnup.
Bolton, Sharples	29.34	745.2	29.88	758.9	45.4	7.4	51	e.	12	5.4	.....	.....	6	.....	.....	.....	.....	d. clouds	Thomas Mackereth.
Bradford, Yorkshire	29.48	748 8	29.88	758.9	43.1	6.2	64	ne.	.....	.....	2	.....	9	.....	.....	0.01	0.3	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.99	761.7	30.02	762.5	83.0	28.3	75	ne.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	Corp'l O. McGregor, A.H.O
Cardington	.....	.....	.....	.....	44.6	7.0	57	ne.	.....	.....	1.0	.....	7	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E.	29.64	752.8	29.81	757.2	49.3	9.6	57	e.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.58	751.3	29.81	757.2	46.5	8.1	58	ne.	.....	.....	4	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.71	703.8	30.02	762.5	77.8	25.4	71	ne.	.....	.....	1	.....	1	.....	.....	.....	.....	blue sky	Corp'l O. Stares, A.H.O.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.74	755.4	29.78	756.4	52	11.1	79	se.	.....	.....	2	.....	0	.....	.....	0	0	blue sky	Wm. Ryan.
Gibraltar, Mediterranean	29.79	756.7	29.89	759.2	62.2	16.8	89	w.	.....	.....	4	.....	8	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.64	752.8	29.81	757.2	50.2	10.1	65	nne.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.50	749.3	29.80	756.9	45.2	7.3	76	e.	.....	.....	1	.....	9	.....	.....	inap.	inap.	showery	A. Collenette, F.R.M.S.
Kew, Observatory	29.79	756.7	29.83	757.7	45.8	7.7	48	nne.	10	4.5	.....	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.60	751.8	29.86	758.4	44.9	7.2	61	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.69	754.1	29.77	756.1	65.4	18.6	71	nw.	.....	.....	3	.....	3	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.98	761.5	30.03	762.7	79.5	26.4	76	nw.	.....	.....	2	.....	8	.....	.....	.....	.....	overcast	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.62	752.3	29.85	758.2	44.0	6.7	60	ne.	.....	.....	3	.....	9	.....	.....	.....	.....	threatening	The Staff.
Plymouth	29.73	755.1	29.80	756.9	47.5	8.6	47	e.	.....	.....	3	.....	5	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.83	757.7	29.93	760.2	44.5	6.9	68	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston L.L.D
Scutari Cemetery, Turkey	29.44	747.8	29.51	749.5	69.8	21.0	58	sw.	.....	.....	3	.....	2	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.60	751.8	29.89	759.2	46.1	7.8	77	ne.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	W. F. Cooper.
Silloth Rectory	29.86	758.4	29.89	759.2	47.4	8.6	71	se.	.....	.....	3	.....	4	.....	.....	0.050	1.3	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.89	759.2	47.1	8.4	46	e.	12	5.4	.....	.....	7	.....	.....	0	0	d. clouds	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	51.3	10.7	44	e.	.....	.....	2.0	.....	5	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.73	755.1	29.75	755.6	50.6	10.3	60	se.	22	9.8	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.46	748.3	29.85	758.2	66.6	19.2	51	nw.	8.1	3.6	.....	4 c	0	w.	.....	0	0	fair	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.85	758.2	29.97	761.2	70.4	21.3	94	e.	19	8.5	.....	.....	10 s	.....	.....	0	0	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B	29.85	758.2	29.89	759.2	44.0	6.7	.....	w.	1	0.4	.....	0	0	.....	.....	1.10	27.9	blue sky	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.78	756.4	29.82	757.4	42	5.6	76	nw.	5	2.2	.....	0	7 s	.....	nw.	0	0	fair	H. J. Cundall, C. E.
Chatham, N. B*	29.84	757.9	29.90	759.4	40	4.4	86	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	G. A. Blair.
Cornwall, Ontario	29.78	756.4	29.98	761.5	44.3	6.8	66	se.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.87	758.7	29.92	760.0	44.0	6.7	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	29.93	760.2	29.96	761.0	38	3.3	85	w.	15	6.7	.....	0	0	.....	.....	0	0	clear	J. McWilliams
Fort Garry, Manitoba*	29.22	742.2	30.08	764.0	38	3.3	85	se.	5	2.2	.....	0	hz.	.....	.....	0	0	hazy	James Stewart.
Fredericton, N. B	29.90	759.4	29.96	761.0	46.1	7.8	69	nw.	10	4.5	.....	0	0	.....	.....	0	0	blue sky	Dr. Thos. Harrison.
Grand Manan, N. B	29.91	759.7	29.96	761.0	47	8.3	71	nw.	8	3.6	.....	0	hz	.....	.....	0	0	hazy	J. Chipman Seeley
Granton, Ontario	28.88	733.5	29.99	761.7	42.0	5.6	74	calm	0	0	.....	0	0	.....	.....	0	0	bluesky	Jas. Grant.
Halifax, N. S*	29.80	756.9	29.93	760.2	44	6.7	74	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	A. Allison.
Hamilton, Ontario	29.54	750.3	29.95	760.7	42.5	5.8	83	ne.	.....	.....	1	4 c	0	e.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.68	753.9	30.01	762.2	44	6.7	60	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A
Little Glace Bay, N. S	29.79	756.7	29.83	757.7	42.2	5.7	91	w.	.....	.....	2	2 k	0	w.	.....	0	0	blue sky	C. H. Rigby.
London, Ontario	29.69	738.9	30.01	762.2	39.7	4.3	74	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.37	695 2	29.59	751.6	52	11.1	47	s	6	2.7	.....	.....	10 n	.....	.....	inap.	inap.	cloudy	John Ewart.
Minnedosa, N. W. T	28.05	712.5	30.02	762.5	38	3.3	66	w.	3	1.3	.....	0	hz	.....	.....	0	0	clear	Rev. J. M. Wellwood.
Montreal, Quebec*	29.82	757.4	30.03	762.7	45	7.2	51	ne.	7	3.1	.....	0	0	.....	.....	0	0	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.80	756.9	30.03	762.7	41.3	5.2	68	n.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.39	746 5	30.10	764.5	40	4.4	73	ne.	6	2.7	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29 25	742.9	30.00	762.0	42.7	5.9	48	ne.	.....	.....	1	2 c	0	ne.	.....	0	0	d. clouds	Wm. O'Connor, M.A.
Port Arthur	29.39	746.5	30.10	764.5	43	6.1	60	calm	0	0	.....	0	0	.....	.....	0	0	clear	W. P. Cooke.
Port Dover, Ontario	29.26	743.2	29.95	760.7	44	6.7	92	ne.	8	3.6	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.32	744.7	29.98	761.5	43	6.1	60	ne.	5	2.2	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27.55	699.8	29.76	755.9	51	10.6	.....	s.	10	4.5	.....	0	0	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.65	753.1	30.01	762.2	41	5.0	79	calm	0	0	.....	0	0	.....	.....	0	0	clear	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.61	752.1	30.08	764.0	35	1.7	72	calm	0	0	.....	0	0	.....	.....	0	.0	clear	W. H. McIntyre.
St. Andrews, N. B	29.88	758 9	29.94	760.5	42	5.6	81	calm	0	0	.....	0	0	.....	.....	0	0	clear	
St. John, N. B	29.80	756.9	29.95	760.7	39.5	4.2	88	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.80	757.0	44.2	6.8	.....	nw.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Sarnia, Ontario	29.30	744.2	30.03	762.7	41	5.0	65	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	
Stratford, Ontario	28.71	729.2	30.00	762.0	46.9	8.3	55	e.	12.8	5.7	.....	0	0	.....	.....	0	0	blue sky	W. McBride, A. M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind.		Clouds. Direction.		Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
												Upper	Lower.	Upper.	Lower.				
	Inch	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	29.80	756.9	29.86	758.4	41	5.0	89	w.	11	4.9		0	1 k		w.	1.20	30.5	clear	T.C.Hill, C.E.
Toronto, Ontario*	29.62	752.3	30.01	762.2	47	8.3	44	ne.	11	4.9		0	0			0	0	clear	Magnetic Observatory.
Woodstock, Ontario	28.94	735.1	30.01	762.2	43.5	6.4	60	n.	6.0	2.7		0	0		ne.	c	0	clearing	Prof. N Wolverton, M.A.
Yarmouth, N. S*	29.91	759.7	29.98	761.5	42.	5.6	89	nw.	2	0.9		0	0			c	0	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.12	765.0	30.15	765.8	69.5	20.8	92	ne.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.91	759.7			78.0	25.6	39	se			4	6 cs	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.89	708.4			73	22.8	54									0	0		J T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					59.7	15.4	90	w.			6	10 ck		w.		0.157	4.0	cloudy	Leon Herrera.
Valparaiso	29.86	758.4	30.00	762.0	62.6	17.0	90	nw.			1	0?	0?			3.110	79.0	cloudy?	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.86	758.4	29.88	759 0	64.2	17.9	81	sse.	9.4	4.2			7			0	0	very cloudy	M.Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.82	757 3	29.86	758.5	43.0	6.1	52	e.	20	9.			10						Oversergent Fischer.
Fanöe	29.85	758.2	29.87	758.7	43.0	6.1	71	ene.			4		9						Overloerer Lauridsen.
Godthaab, Greenland	29.72	754.8	29.76	755 9	19.0	— 7.2	72	e.			2		8						S. Kleinschmidt.
Ivigtut, Greenland	29.76	756.0	29.78	756.5	25.5	— 3.6		calm			0		4						
Stykkisholm, Iceland	29.51	749.5	29.55	750.6	41.0	5.0	89	sw.			2		0						A. O. Thorlacius.
Thorshavn	29.78	756.5	29.81	757.1	49.1	9.5	84	s.	9	4			8						Overloerer Bergh.
Upernavik, Greenland	29.95	760.7	30.00	761.9	8.4	—13.1		e.			2		4						
Vestervig	29.84	757.8	29.93	760.1	45.0	7.2	48	ene.			4		2						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.67	753.7			95.0	35.		w.	4.9	2.2		0	7 n			0	0		Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School	28.95	735.2	29.59	751.5	61.9	16.6	77	sse.			2	10 c; ck		nw.	se.	0	0		M. Labroue, Director.
Alençon, Normal School	29.19	741.3	29.74	755.3	47.5	8.6	83	ne.			6		2 k		sw.	0	0	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.49	749.0	29.73	755.2	45.7	7.6	40	n.			8		5		ne.	0	0	cloudy	M. Ungerer, Director.
Avignon, Normal School	29.47	748.4	29.54	750.4	58.3	14.6	55	nne.			1				nw.	0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.13	739.8	29.69	754.1	45.0	7.2	64	ese.			1		8	ne.	sw.	0	0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.48	748.8	29.75	755.6	47.8	8.8	36	ene.			2		8		ne.	0	0	very cloudy	M. Frere Eugène Marie.
Besançon, Normal School	28.74	730.0	29.60	751.9	41.2	5.1	52	ne.					kn			0	0		M. Gobin, Director.
Bordeaux, Observatory	29.28	743.6	29.54	750.2	52.3	11.3	84	nnw.			1		10					raining	M. Rayet, Director.
Bourges, Normal School	29.15	740.4	29.70	751.4	50.9	10.5	54	ne.			4		2		ne.	0	0	slightly cl'dy	M. Sauvageot, Director.
Brest, Naval Observatory	29.54	750.2	29.78	756 4	50.7	10.4	52	ne.			2		2		ne.	0	0		M. de Kermarec, Dir.
Caen, Normal School	29.68	753.8	29.76	755.8	51.1	10.6	80	ne.			2		2		ne.	0	0	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l	29.39	746.6	29.72	754.8	43.9	6.6	77	ne.			2		5			0	0	cloudy	M. Jadot, Director.
Charleville, Normal School	29.19	741.5	29.71	754.7	45.3	7.4	83	e.			1		8			0	0	¾ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.22	716 9	29.57	751.0	52.2	11.2	57	ne.			1		2 k			0	0		M. Alluard, Director.
Cluny, Normal School	28.78	731.0	29.63	752.5	50.0	10	50	se.			1		8			0	0		M. de Villemontée, Dir.
Commercy, Normal School	28.85	732.9	29.71	754.6	42.8	6	60	n.			1		kn	w.	w.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.00	685.8	29.48	748.8	50.9	10.5	68	calm			0		8 n			0.067	1.7		M. Jarach, Director.
Gréasque, du Rhone	28.40	721.3	29.52	749.7	52.0	11.1	93	sw.			1		10		sw.	0.799	20.3		M. Kina, Director.
Grenoble, Normal School	28.81	731.8	29.58	751.2	51.8	11.	69	nw.			1		k		n.	0.28	7		M. Abiard, Director.
Guéret, Normal School	28.02	711.7	29.60	751.7	50.9	10.5	50	ne.			1					0	0		M. Delorme, Dir.
Lamballe Normal School	29.46	748.3	29.74	755 3	47.1	8.4	52	ene.			1		2 kn		ene.	0	0	slightly cl'dy	M. Pollpre, Dir.
Lescar, Normal School	28.97	735.7	29.50	749.3	65.8	18.8	49	nw.			1		5ks; n		w.	0.177	4.5	cloudy	M. Chauvin, Director.
Lorient, Naval Observatory	29.62	752.4	29.72	755.0	56.1	13.4	33	ne.			2		1		ne.	0	0	clear	L.. T. Carre, Director.
Lyon, St. Genis-Laval	28 54	725.0	29.60	751.8	49.5	9.7	53	ne.			2	c	2 n		wnw.	0	0	slightly cl'dy	M. André, Director.
Mans, Normal School	29.38	746.2	29.69	754.1	47.1	8.4	70	ese.			*4		2 k		e.	0	0	slightly cl'dy	M. Richard, Director
Marseille, Observatory	29.26	743.2	29.53	750.0	54.9	12.7	85	sw.			1-2		10			0.756	19.2		M. Stephan, Director.
Montlouis	24.34	618.1	29.18	741.1	42.8	6.0	70	w.	9.4	4.2			7	w.		0.472	12.0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.38	746.3	29.53	750.1	60.1	15.6	63	wsw.			4		5	w.		0	0	cloudy	M. Gaizin, Director.
Nancy, Normal School	28.91	734.4	29.71	754.7	41.4	5.2	71	n.			1	ck	n			0	0		M. Hasse, Director.
Nantes, Observatory	29.54	750.2	29.70	754.3	52.7	11.5	42	e.			1-2		0			0	0	clear	M. Larocque, Director.
Perpignan, Observatory	29.44	747.8	29.55	750.6	61.2	16.2	60	sw.	3.8	1.7			10		sw.	0.126	3.2		Dr. Fines, Director.
Pic-du-Midi, Summit	20.78	527.9			31.8	— 0.1		calm			0				w.	0.165	4.2		M. Vaussenat, Director.
Privas, Normal School	28.50	723.8	29.54	750 4	55.8	13.2	16	s.			4		0			0	0	clear	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.70	627.3			31.3	— 0.4	93	ne.			2		2			0.004	0.1		M. Alluard.
Rochefort, Naval Obs'y	29.60	751.7	29.63	752.5	56.1	13.4	39	ene.			6		2		ene.	0	0	¼ covered	Lt. E. Deciante, Director.
Roche-sur-Yon, N. School	29.40	746.8	29.61	752 2	52.9	11.6	43	ne			4					0	0		M. Brotlier, Director.
Rodez, Normal School	27.44	696.9	29.57	751.0	58.6	14.8	55	e.			1		5		e.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.72	754.9	29.77	756.1	49.3	9.6	42	ne.			1		2		ne.	0	0	slightly cl'dy	M. Mouillot, Dir.
Saint Maur, Observatory	29.57	751.0	29.73	755.2	48.4	9.1	46	ne.			2		2		ne.	0	0	slightly cl'dy	M. Renou, Director.
Toulouse, Observatory	28.86	733.1	29.58	751.2	58.3	14.6	67	ese.			1		10	nw.		0.016	0.4	covered	M. Bailland, Director.
Tours	29.48	748.9	29 67	753.5	52.5	11.4	34	nne.			4		0			0	0	clear	M. de Tastes.
Versailles, Observatory	29.23	742 4	29.72	754.9	47.5	8.6	40	e.			4		5			0	0	fair	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.39	746.6	29.54	750.4	58.3	14.6	76	w.	5.8	2.5			10 k	kn	w.	0.020	0.5	covered	M. Carlier, Director.
GERMAN.																			
Ansbach	28.22	716.7	29.69	754.0	41.4	5.2	61	ne.			4		10		ne.	0.016	0.4		Prof. Juedt.
Bamberg	28.84	732.6	29.68	753.8	42.3	5.7	75	n.			1		6 k	s		0.008	0.2		Prof. Dr. Hoh.
Berlin	29.54	750.3	29.69	754.0	43.9	6.6	74	ne.			1		10			0.035	0.9	raining	Meteorological Institute
Breslau	29.12	739.6	29.64	752.9	39.4	4.1	88	wnw.			2		10			0.732	18.6		Royal University Obs'y
Carlsruhe	29.22	742.1	29.67	753.7	46.6	8.1	61	e.			3		10		ne.	0	0		Albert Senz.
Cassel	29.01	736.9	29.72	755.0	39.6	4.2	74	n.			2		10		n.			snowing	Dr. H. Möhl.
Frankfort-on-the-Main	29.32	744 6	29.68	753.8	49.6	9.8	41	n.			7		9			0	0		Physical Society.
Friedrichshafen	28.21	716.4	29.62	752 3	47.8	8.8	70	sw.			2		10		sw.	0	0		Wilhelm, Chief Tel.
Hamburg	29.70	754.4	29.79	756 7	44.6	7.0	71	ene.			4		10			0.079	2.0		E. Preller.
Kiel	29.81	757.2	29.83	757.6	42.4	5.8	64	ene.			2		9			0.118	3.0		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.28	743.8	29.71	754.6	42.8	6.0	75	ne.			2		10		ene.	0.031	0.8		H. Leppig, Asst.
Magdeburg	29.52	749.9	29.71	754.6	43.0	6.1	84	ene.			2		10		nw.	0.114	2.9		Weather Observatory.
Memel	29.83	757.6	29.87	758.8	47.8	8.8	42	e.			4		10	ks					Iassermann.
Munich	27.79	705.9	29.63	752.6	42.3	5.7	70	calm			0		9		nw.	0.039	1.0		Central Station.
Neufahrwasser	29.75	755.7	29.78	756.4	30.3	2.4	91	ne.			3		10			0.268	6.8	snowing	A. Lothes.
Neustadt, Palatinate	29.15	740.4	29.67	753.6	46.0	7.8	73	w.			1		10					raining	Prof. Dicknether.
Stuttgart	28.70	729.0	29.60	751.8	45.5	7.5	65	n.			1		8	n.		0	0		Dr. L. Meyer.
Wustrow	29.77	756.2	29.80	756.8	42.6	5.9	69	ene.			3		10			0.394	10.0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.27	743 4	29.64	752.8	78.4	25.8		sw.			2.0	4				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.66	753.4	29.71	754.7	83.3	28.5	69	sw.	31.0	13.8			2		wsw.	0	0	d. clouds	
Deesa	29.22	742.2	29.68	753 9	96.4	35.8	15	sw.	15.0	6.7			0			0	0	blue sky	
Bombay	29.71	754.5	29.74	755.5	83.0	28.3	72	nw.	15.0	6.7			9	nw.	wnw.	0	0	d. clouds	
Poona, Yarrowda	27.88	708.0	29.68	753.9	91.3	*32.9	29	wnw.	23.0	10.3			8		wnw.	0	0	d. clouds	
Trichinopoly	29.50	749.2	29.77	756.1	96.5	35.8	31	ene.	0.2	0.1			5	nne.	nne.	0	0	d. clouds	
Bellary	28 23	717.0	29.65	753.2	93.0	33.9	24	e.	6.0	2.7			4			0	0	d. clouds	
Belgaum	27.27	692.6	29.83	757.6	70.9	21.6	63	se.	19.0	8.5			10	w.		0.11	2.8	d. clouds	
Lahore	28.91	734.2	29.63	752.6	91.9	33.3	24	w.	2.0	0.9			8			0	0	d. clouds	
Roorkee	28.72	729.4	29.58	751.4	95.1	35.1	22	calm	0	0			4			0	0	d. clouds	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0-10	Clouds. Amount and kind. Upper. 0-10	Clouds. Amount and kind. Lower. 0-10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Agra	29.06	738.0	29.60	751.8	99.6	37.6	11	sw	2.0	0.9			0			0	0	blue sky	
Nagpur	28.66	728.0	29.67	753.6	95.9	35.5	13	w.	16.0	7.2			9		w.	c	0	d. clouds	
Jubbulpore	28.33	719.6	29.64	752.9	95.5	35.3	13	w.	4.0	1.8			8		sw.	0	0	d. clouds	
Lucknow	29.24	742.8	29.61	752.0	99.4	37.4	12	sse.	5.0	2.2			0			0	0	blue sky	
Allahabad	29.28	743.8	29.58	751.4	101.0	38.3	9	nw.					0			0	0	blue sky	
Patna	29.46	748.2	29.64	752.8	89.4	31.9	38	e.	6.7	3.0			0			0	0	blue sky	
Hazaribagh	27.64	702.2	29.59	751.6	91.7	33.2	13	nnw.	6.0	2.7			6		nnw.	0	0	d. clouds	
Cuttack	29.63	752.5	29.71	754.5	89.0	31.7	47	nw.	5.0	2.2			4			0	0	d. clouds	
Calcutta, Alipore	29.66	753.3	29.68	753.8	83.5	28.6	72	ssw	8.5	3.8			8		n.	0	0	d. clouds	
Chittagong	29.67	753.7	29.76	756.0	81.6	27.6	76	s.	4.6	2.1			4			0	0	d. clouds	
Sibsagar	29.48	748.6	29.82	757.3	73.9	23.3	81	ne.	2.0	0.9			0			0.02	0.5	blue sky	
Jeypore	28.22	716.8	29.61	752.1	97.1	36.2	11	w.	9.7	4.3			2		w.	0	0	blue sky	
Zanzibar	29.85	758.2			77.8	25.4	88	sse.	12.8	5.7			9					drizzling	
ITALIAN.																			
Udine	29.19	741.5	29.60	751.8	57.9	14.4	56	calm	0	0			10			0.453	11.5		Prof. Giovanni Olodig.
Milan	29.07	738.3	29.58	751.3	56.7	13.7	59	ne.	8.7	3.9			10		ese.	0	0		Prof. G.V.Schiapparelli
Padua	29.48	748.9	29.59	751.6	54.7	12.6	60	ne.	3.1	1.4			10			0.071	1.8		Prof. Dott. Lorenzoni.
Moncalieri	28.66	727.9	29.55	750.6	50.5	10.3	88	nw.	3.8	1.7			10		ee.	0.236	6.0		Prof. F. F. Denza.
Genoa	29.34	745.3	29.54	750.2	59.0	15.0	76	se.	8.7	3.9			10		sw.	0.472	12.0		Prof. G. M. Garibaldi.
Pesaro	29.51	749.6	29.56	750.8	61.0	16.1	74	s.	9.4	4.2			10		ssw.	0.028	0.7		Prof. Luigi Guidi.
Florence	29.30	744.1	29.55	750.5	61.7	16.5	72	n.			2		10		sw.	0.209	5.3		Prof. Costantino Pittei.
Leghorn	29.45	748.1	29.54	750.2	57.6	14.2	81	s.	15.4	6.9			10		w.	0.520	13.2		Prof. P. Monte.
Rome	29.47	748.5	29.64	752.9	66.2	19.0	52	ssw.	15.4	6.9			9			0.244	6.2		Prof. P. Tacchini.
Lecce	29.42	747.2	29.67	753.5	66.9	19.4	47	sw.	21.0	9.4			2		sw.	0	0		Prof. C. de Giorgi.
Cosenza	28.60	733.0	29.74	755.4	64.4	18.0	78	se.	1.8	0.8			7		s.	0.071	1.8		Prof. D. Conti.
Palermo	29.53	750.0	29.77	750.2	70.2	21.2	33	wsw.	8.1	3.6			9			0.134	3.4		Prof. G. Cacciatore
Syracuse	29.03	752.6	29.07	753.7	76.6	24.8	56	w.	15.4	6.9			5		wnw.	0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.37	746.0			61.3	16.3	83	sw.	12.5	5.6			10			0.386	9.8		Prof. F. Brioschi.
Stelvio	21.08	550.7			32.0	0.0	68	sw.			2		10			0.169	4.3	misty	Prof. P. F. Denza.
Valdobbia	21.74	552.3			32.9	0.5	90	e.			2		10			0	0	misty	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.12	765.1	30.15	765.8	43.0	6.1	87	calm			0		10k;ks			0.055	1.4	cloudy	H. Hattori.
Awomori	30.06	763.5	30.10	764.5	43.0	6.1	78	nw.	3.8	1.7		0	6 ks			0.050	1.3	fair	K. Ogawa.
Hakodate	30.08	764.1	30.09	764.4	39.5	4.2	75	calm	0	0			10 n			0.023	0.6	overcast	Y. Souma.
Hamamatsu	30.14	765.5	30.24	768.0	50.5	10.3	89	calm			0	0	0			0	0	clear	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.13	765.3	30.15	765.7	50.9	10.5	83	n.	0.9	0.4		1 ck	0	w.		0	0	clear	Y. Okamoto.
Kagoshima	30.15	765.9	30.17	766.3	59.0	15.0	88	sw.			2	0	8 s			0	0	cloudy	
Kanazawa	30.01	762.2	30.11	764.9	50.4	10.2	82	e.	6.6	2.9		0	6 s			0	0	cloudy	S. Endo.
Kioto	30.02	762.6	30.20	767.0	51.0	10.6	77	n.	1.3	0.5		0	0			0	0	clear	M. Tojima.
Kochi	30.18	766.7	30.21	767.2	56.1	13.4	81	sw.	4.1	1.8		0	0			0	0	clear	K. Kusunose.
Miasaka	30.15	765.8	30.18	766.5	58.1	14.5	82	ssw.			2	2 cs	3 s	w.	w.	0	0	cloudy	K. Masuzaki & T. Ishimaru.
Miyako	30.03	762.7	30.14	765.5	47.6	8.7	63	w.	6.0	2.7			10 s			0	0	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.93	760.2	30.14	765.5	58.2	14.0	88	sw.	2.1	0.9		0	3 s			0	0	clear	
Nemuro	30.02	762.5	30.07	763.8	32.0	0.0	83	calm	0	0		5	2 s			0	0	clear	A. Shibuya.
Niigata	30.12	765.0	30.16	766.0	47.6	8.7	89	w.	1.6	0.7			10ks;s		w.	0	0	cloudy	Satoo & Tomikawa.
Nobiru	30.15	765.9	30.17	766.3	45.6	7.6	86	s.	11.3	5.1		0	2 s			0	0	fair	Yoshino & Midzushina.
Numadzu	30.19	766.8	30.22	767.6	55.1	12.8	74	sw.			2		10 s			0	0	cloudy	T. Ohgi.
Osaka	30.17	766.3	30.19	766.8	50.9	10.5	87	w.	2.1	0.9		0	0			0	0	clear	H. Omura.
Saga	30.10	764.5	30.13	765.3	57.4	14.1	83	s.	1.4	0.6		0	2 s		w.	0	0	clear	A. Matsuhayashi.
Sakai	30.07	763.7	30.08	763.9	50.4	10.2	94	ene.			2	0	2 ks		wnw.	0	0	clear	Yamawchi & Sakamoto.
Sapporo	30.00	762.0	30.07	763.7	38.6	3.7	75	s.	5.2	2.3			10 n			0	0	covered	S. Kimura.
Shimonoseki	29.98	761.4	30.12	765.1	54.6	12.6	78	ene.			2	0	7 s		w.	0	0	fair	S. Sakano.
Tokei Obs'y, Yeddo	30.12	765.1	30.20	767.1	54.4	12.4	78	s.	12.1	5.4		0	0			0	0	clear	The Staff.
Wakayama	30.11	764.9	30.17	766.2	56.2	13.4	71	se.	3.2	1.4		0	0			0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.78	756.4	29.97	761.2	75.0	23.9	62	se.	16.0	7.2		9c;cs	1 k	nw.		0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.38	619.2	30.10	764.5	55.4	13.0	66	nnw.	0.9	0.4		10 c	0			0	0	covered	M. Leal & M. Pina
Mazatlan	29.76	755.9	30.02	762.5	66.0	18.9	84	ene.	0.9	0.4		0	0			0	0	foggy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.79	756.6	29.79	756.6	47.5	8.6		nnw.			2					0	0		
Groningen	29.74	755.3	29.79	756.7	41.4	5.2		ene.			1					0.020	0.5		
Helder	29.79	756.6	29.79	756.6	44.2	6.8		ene.			2					0	0		
Hellevoetsluis	29.80	756.8	29.80	756.8	44.4	6.9	60	n.			1					0.043	1.1		
Utrecht	29.74	755.5	29.79	756.7	40.8	4.9	77	nnw.			3		10			0	0	covered	H. van der Brink.
Sub-series.																			
Batavia, Java	29.84	757.8			81.5	27.5	83	ne.	2.0	0.9			9			0	0		Lt. J. J. Roptman, R. D. N.
NORWEGIAN.																			
Bergen	29.95	760.8	30.02	762.4	40.3	4.6	62	wnw.	7	3			2			0	0		
Brono	30.03	762.8	30.07	763.8	42.8	6.0	59	n.			4		2			0	0		
Christiania	29.80	758.4	30.01	762.2	48.6	9.2	29	ese.	7	3			1			0	0		
Gjesvær	29.81	757.2	29.84	757.8	34.7	1.5		ne.			7		10			0	0		
PORTUGUESE.																			
Funchal, Madeira	29.97	761.2	30.06	763.4	62.1	16.7	54	sw.	4.9	2.2			2			0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.49	749.0	29.83	757.6	56.7	13.7	61	wnw.	13.0	5.8			7			0.299	7.6		The Staff.
Ponta Delgada, Azores	30.06	763.5	30.13	765.3	57.9	14.4	76	nne.	6.9	3.1			3			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.99	761.8	30.03	762.7	71.4	21.9	70	ne.			3		5			0	0		
San Salvador, Congo																			
Serra da Estrella	24.92	633.0	29.76	756.0	32.0	0.0	100	wnw.	24.2	10.8			10			2.016	51.2	snow & fog	
RUSSIAN.																			
Akmolinski	28.42	721.9	29.47	748.4	57.9	14.4		w.	18	8		0	5 k			0.035	0.9	h'vy clouds	Major K. Lasarew.
Archangel	29.87	758.8	29.89	759.3	31.8	— 0.1	69	ene.	4	2			10			0.157	4.0	light clouds	Capt. Ssellwerstow
Ashurada	29.92	760.0	29.83	757.6	66.2	19.0	75	n.	11	5		0	4 k			0	0		
Astrakhan	29.82	757.4	29.75	755.6	63.0	17.2	46	sw.	9	4			10 ks			blank	blank		Capt. Wisganow.
Baku	29.84	758.0	29.80	756.8	59.7	15.4	73	s.	9	4		0	2 ks						
Barnaul	29.40	746.7	29.89	759.3	49.6	9.8	58	ne.	9	4			1			0	0	light clouds	Meteorological Office.
Bielosersk	29.58	751.2	30.05	763.3	41.0	5.0	43	wnw.	2	1		0	1 s			0	0		
Dorpat	29.85	758.3	30.11	764.7	43.3	6.3	44	ese.	9	4		0	0			0	0		Rosenthal.
Ekaterinburg	28.51	724.2	29.50	749.4	27.0	— 2.8	100	n.	13	6			10 n			0	0		Meteorological Obs'y.
Elisawetgrad	29.31	744.5	29.76	756.0	47.8	8.8	58	e.	11	5			9 k			0	0		
Kasalinsk	29.52	749.9	29.70	754.4	60.1	15.0	49	wsw.	9	4									Butkewitsch.
Kasan	29.34	745.1	29.61	752.2	26.6	— 3.0	87	n.	20	9			10			0.020	0.5		Observatory.
Kem	29.88	759.0	29.93	760.3	38.1	3.4	50	e.	9	4			3 ks			0	0		
Kertch	29.58	751.3	29.60	751.9	58.3	14.6	75	e.	7	3			10 n			0	0		Lagorio & Saltyrea.
Kieff	29.18	741.2	29.83	757.6	41.0	5.0	57	e.	16	7			10ks;n			0	0		Observatory.
Koslov	29.29	743.9	29.81	757.2	28.9	— 1.7	87	n.	22	10			10 s					snowing	
Lgov	29.36	745.8	29.97	761.2	34.7	1.5	66	ne.	27	12			8			0	0		R. I. Saaweljew, Engin'r.
Libau	29.88	758.9	29.90	759.5	47.1	8.4	35	e.	13	6			4			0	0		E. Quass.
Lugan	29.55	750.5	29.76	755.8	45.0	7.2	43	nnw.	9	4			8			0	0		Meteorological Obs'y.
Moscow	29.52	749.7	30.01	762.3	34.9	1.6	35	ne.	9	4		0	0			0.028	0.7		Meteorological Obs'y.
Nertschinsk	27.46	697.5	29.84	757.8	26.6	— 3.0	57	calm	0	0			3			0	0		
Nikolaiev	29.59	751.6	29.66	753.4	50.5	10.3	94	ne.	45	20			10 n			0.579	14.7		Capt. Kurdakow.

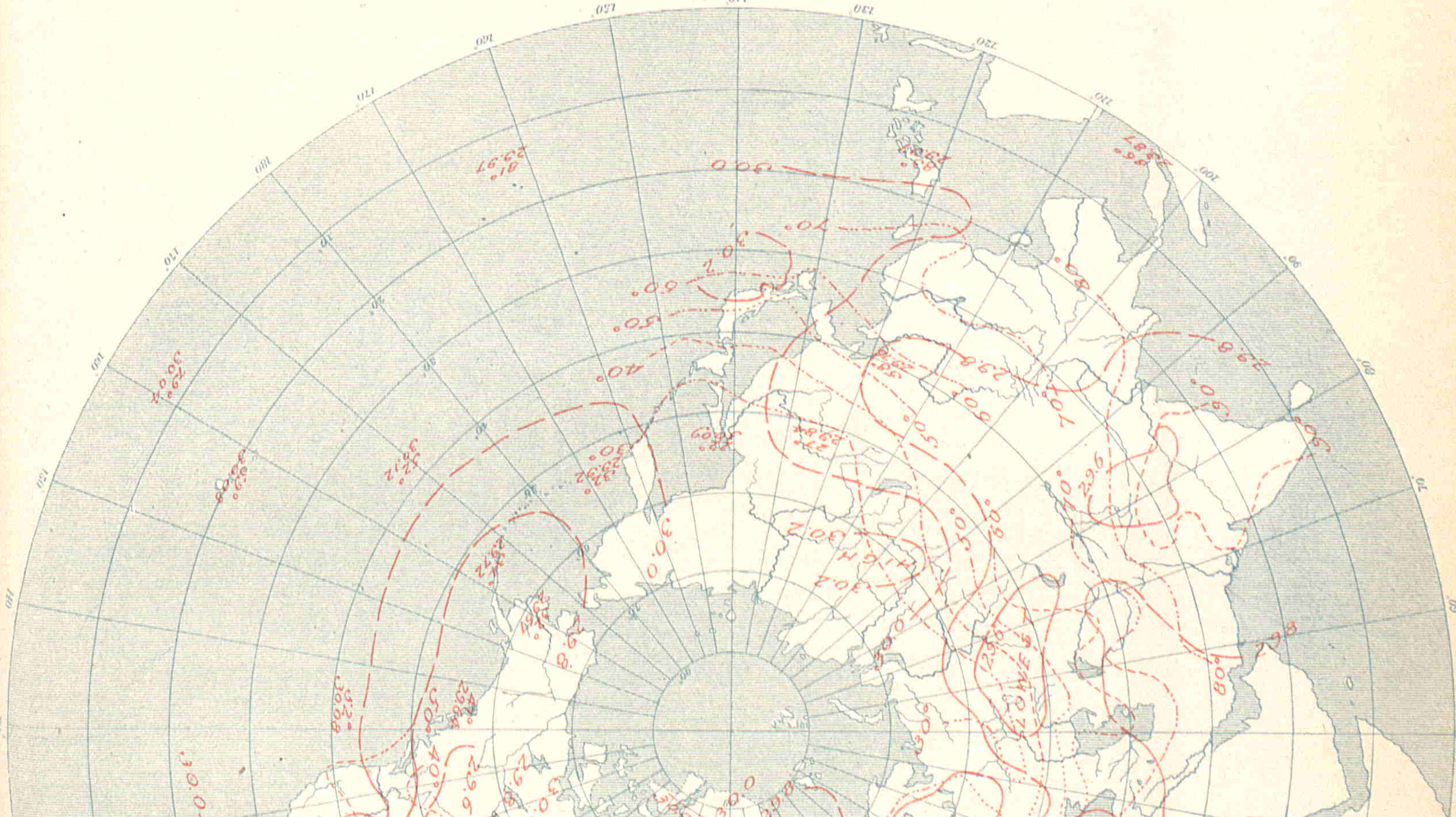
STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mil.	Reduced to sea-level. Inch.	Mil.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.00	762.0	30.09	764.2	22.1	— 5.5	83	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	....	Iwanow.
Pekin, China	29.62	752.4	29.76	756.0	57.6	14.2	40	se.	2	1	.....	0	5 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.48	748.9	29.82	757.5	73.6	23.1	32	sw.	1.1	0.5	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.82	757.5	30.02	762.6	41.5	5.3	35	wnw.	22	10	.....	0	1 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.29	744.0	29.80	756.9	37.8	3.2	75	e.	40	18	.....	.....	10 n	.....	.....	0	0	.....	
Poti	29.61	752.1	29.64	752.9	68.2	20.1	83	e.	9	4	.....	.....	10 n	.....	.....	0	0	.....	
St. Petersburg	30.11	764.7	30.13	765.3	42.4	5.8	45	wsw.	7	3	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.44	696.9	29.86	758.5	60.8	16.0	79	s.	7.8	3.5	.....	0	8 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.10	739.0	29.73	755.1	64.9	18.3	37	calm	0	0	.....	.....	7	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.28	743.8	29.49	749.1	62.8	17.1	61	nw.	7	3	.....	0	7 n	.....	.....	0	0	.....	
Staroi Bykhov	29.39	746.4	29.95	760.7	44.4	6.9	37	e.	13	6	.....	5 c	0	.....	.....	0	0	light clouds	Carl Hagen.
Tashkend, Laboratory	28.24	717.2	29.87	758.7	63.7	17.6	72	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.39	721.1	29.78	756.4	63.0	17.2	49	calm	0	0	.....	.....	10	.....	.....	.....	.....	raining.	Physical Observatory
Vernoe	27.23	691.6	29.64	752.8	65.8	18.8	59	se.	4	2	.....	.....	9 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.16	740.6	29.81	757.1	32.0	0.0	42	ne.	11	5	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	29.93	760.2	30.00	761.9	38.7	3.7	98	se.	27	12	.....	.....	10	.....	.....	0	0	foggy	
Warsaw	29.14	740.2	29.57	751.1	42.1	5.6	93	se.	16	7	.....	.....	10 n	.....	.....	.....	.....	h'vy clouds	Astronomical Obs'y.
Yeniseisk	29.94	760.5	30.24	768.1	34.3	1.3	53	se.	4	2	.....	.....	10	.....	.....	0	0	....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.41	747.0	29.94	760.5	32.5	0.3	46	n.	21.0	9.4	.....	0	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Oss'y	29.44	747.8	29.55	750.6	62.4	16.9	62	sw.	8.9	4.0	.....	0	7	.....	.....	0.106	2.7	....	B. Jelin.
Bilbao, Met. Obs'y	29.48	748.9	29.54	750.4	64.8	18.2	71	nw.	0.4	0.2	.....	4	6	W.	.....	0.063	1.6	covered	Angel de Uralde.
Burgos, Met. Obs'y	26.67	677.5	29.65	753.1	46.6	8.1	84	sw.	9.8	4.4	.....	.....	10	.....	.....	0.374	9.5	covered	Domingo Martin.
Madrid, Royal Obs'y	27.47	697.6	29.71	754.5	48.6	9.2	76	sw.	21.9	9.8	.....	.....	10	.....	.....	0.138	3.5	covered	The Staff.
Murcia, Met. Obs'y	29.56	750.8	29.69	754.0	67.5	19.7	54	nw.	4.0	1.8	.....	4	5	se.	.....	0	0	almost cov'd	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.74	730.0	29.64	752.8	50.2	10.1	88	w.	6.3	2.8	.....	.....	10	.....	.....	1.118	28.4	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.02	762.4	30.08	764.0	75.7	24.3	73	nne.	4.9	2.2	.....	.....	10 k; sk	.....	n.	0.54	13.7	cloudy	Benito Vines, S. J.
Manilla, Philippine Islands	29.91	759.6	29.97	761.1	82.9	28.3	61	ese.	8.8	3.9	.....	0	0	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.79	756 8	29.89	759.3	60.3	15.7	70	w	15.9	7.1	.....	0	5	.....	W.	0.034	0.9	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	30.00	761.9	30.09	764.2	77.0	25.0	77	calm	0	0	.....	5 s	0	sw.	.....	0	0	.....	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	29.99	761.7	30.03	762.7	43.9	6.6	68	sw.	.....	.....	2	.....	8	.....	.....	0	0	.....	
Umea	30.04	762.9	30.09	764.2	46.8	8.2	70	sw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Hernosand	30.02	762.6	30.08	763.9	41.7	5.4	49	ssw.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Stockholm	29.88	758.9	30.06	763.4	42.1	5.6	40	e.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Wisby	29.93	760.1	29.98	761.6	42.8	6.0	36	se.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.96	761.0	30.05	763.2	46.2	7.9	38	e.	7.8	3.5	.....	.....	2	.....	ene.	0	0	... .	H.H. Hildebrandsson
Swiss																			
Geneva	28.18	715.7	29.63	752.5	47.1	8.4	61	n.	.....	.....	2	.....	3	.....	.....	0	0	cloudy	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.56	750.7	76.3	24.6	43	wsw.	20	9.0	.....	.....	3	.....	W.	0	0	.....	The Observatory.
Valona	.....	.....	29.82?	757.3?	73.0	22.8	.....	sw.	.....	.....	2	.....	5	.....	.....	0	0	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.81	757.1	69.8	21.0	70	ne.	.....	.....	1	4 c;ck	0	sw.	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.92	760.0	30.00	762.0	48.4	9.1	70	n.	3	1.3	.....	7 c	0	s.	.....	0	0	fair	J. O. Barnes.
Alpena, Michigan	29.41	747.0	30.10	764 5	39.2	4.0	65	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	25 08	637 0	30.00	762.0	38.0	3.3	76	e.	5	2.2	.....	0	2 s	.....	.....	0	0	clear	J. B. Turton.
Assinnaboine, Ft., Montana	26.94	684.3	29.85	758.2	55.0	12.8	86	sw.	15	6.7	.....	0	0	.....	.....	0	0	clear	J. J. O'Connor.
Atlanta, Georgia	28.82	732.0	30.01	762.2	45.0	7.2	79	nw.	11	4.9	.....	.....	10 s	.....	nw.	0.24	6.1	cloudy	S. W. Beall
Atlantic City, New Jersey	29.92	760.0	29.93	760.2	47.3	8.5	86	e.	5	2.2	.....	.....	10 n	.....	e.	0.04	1.0	light rain	B. A. Blundon.
Augusta, Georgia	29.81	757.2	30.00	762.0	52.3	11.3	82	w.	3	1.3	.....	.....	10 k	.....	w.	0.14	3.6	cloudy	W. J. Evans.
Baltimore, Maryland	29.89	759.2	29.94	760.5	54.3	12.4	73	n.	2	0.9	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	Geo. W. Folger.
Barnegat City, New Jersey	29.91	759.7	29.93	760.2	51.2	10.7	68	se.	8	3.6	.....	4 ck	4 s	w.	se.	0	0	cloudy	J. P. Sherry.
Bennett, Fort, Dakota	28.39	721.1	30.03	762.7	43.0	6.1	54	se.	7	3.1	.....	2 k	2 s	se.	se.	0	0	fair	A. Pritchard.
Benton, Fort, Montana	27.04	686.8	29.90	759.4	47.2	8.4	32	calm	0	0	.....	0	4 ks	.....	nw.	0	0	fair	C. S. Bennett.
Bismarck, Dakota	28.17	715.5	30.05	763.3	40.5	4.7	54	e.	3	1.3	.....	.....	sk.	.....	.....	0	0	clear	B. O. Lenoir.
Block Island, Rhode Island	29.93	760.2	29.96	761.0	45.3	7.4	82	e.	5	2.2	.....	3 ck	4 ks	s.	s.	0	0	fair	J. T. Eiker.
Boise City, Idaho	27.12	688.8	29.96	761.0	49.0	9.4	64	nw.	4	1.8	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	James Kenealy.
Boston, Massachusetts	29.84	757.9	30.00	762.0	47.4	8.6	74	ne.	9	4.0	.....	0	3 k	.....	sw.	0	0	clear	O. B. Cole.
Brownsville, Texas	30.12	765.0	30.18	766.6	53.0	11.7	93	calm	0	0	.....	0	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.21	741.9	29.98	761.5	43.8	6.6	62	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	D. Outhbertson.
Buford, Fort, Dakota	27.85	707.4	29.95	760.7	40.7	4.8	58	e.	8	3.6	.....	0	sk.	.....	.....	0	0	clear	A. Schneider.
Cairo, Illinois	29.68	753.9	30.09	764.3	46.2	7.9	82	nw.	3	1.3	.....	0	6 s	.....	nw.	0.02	0.5	fair	W. H. Ray.
Canby, Fort, Washington Ter	29.74	755.4	29.94	760.5	48.0	8.9	100	s.	20	8.9	.....	.....	10 n	.....	.....	0.07	1.8	heavy rain	J. H. Young.
Cape Henry, Virginia	29.92	760.0	29.94	763.5	48.0	8.9	93	ne.	4	1.8	.....	.....	10 s	.....	.....	0.15	3.8	cloudy	A. K. Alderson.
Cape May, New Jersey	29.89	759.2	29.92	760.0	48.5	9.2	77	e.	4	1.8	.....	.....	9 s	.....	e.	0.04	1.0	cloudy	W. E. Smith.
Cape Mendocino, California	29.43	747.5	30.12	765.0	49	9.4	86	se.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.03	762.7	30.05	763 3	56.8	13.8	64	nw.	15	6.7	.....	0	9 s	.....	W.	0	0	cloudy	G. W. Davis.
Charleston, S. Carolina	29.84	757.9	29.90	759.4	57.0	13.9	90	n.	9	4.0	.....	.....	10 ks	.....	ne.	0.11	2.8	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.08	738.6	29.94	760.5	46.7	8.2	95	n.	2	0.9	.....	.....	10 n	.....	se.	0.06	1.5	light rain	D. O'Donoghue.
Chattanooga, Tennessee	29.19	741.4	30.02	762.5	45.4	7.4	81	w.	3	1.3	.....	.....	10 ks	.....	nw.	0.08	2.0	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.98	609.1	30.00	762.0	47.3	8.5	55	w.	8	3.6	.....	3 c	2 s	nw.	.....	inap.	inap.	fair	E. McGovern.
Chicago, Illinois	29.33	745.0	30.06	763.5	41.4	5.2	72	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	T. B. Jennings.
Chincoteague, Virginia	29.90	759.4	29.92	760.0	46.0	7.8	88	e.	5	2.2	.....	.....	10 ks	.....	.....	0.06	1.5	cloudy	C. F. Dickens
Cincinnati, Ohio	29.32	744.7	29.99	761.7	47 1	8.4	91	nw.	5	2.2	.....	.....	10 s	.....	nw.	0.02	0.5	cloudy	L. Dunne.
Cleveland, Ohio	29.20	741.7	29.96	761.0	42.5	5.8	78	ne.	5	2.2	.....	2 c	6 ks	.....	ne.	0	0	cloudy	W. Line.
Columbus, Ohio	29.07	738.4	29.94	760.5	45.3	7.4	75	nw.	3	1.3	.....	0	8 ks	.....	nw.	0.04	1.0	cloudy	F. T. Williams
Concho, Fort, Texas	28.20	716.3	30.14	765.5	50.1	10.1	80	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	O. E. King.
Custer, Fort, Montana	26.67	677.4	29.85	758.2	43	6.1	83	sw.	4	1.8	.....	0	5 ks	.....	.....	0	0	fair	W. J. Daily.
Davenport, Iowa	29.41	747.0	30.08	764.0	43.5	6.4	59	n.	5	2.2	.....	0	hz.	.....	.....	0	0	clear	R. R. Martin.
Davis, Fort, Texas	25.25	641.3	30.03	762.7	46.0	7.8	74	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington T'y	28.24	717.3	30.00	762.0	44.7	7.1	75	sw.	12	5.4	.....	0	4 k	.....	sw.	0.66	16.8	fair	H. S. Blandford.
Deadwood, Dakota	25.28	642.1	29.97	761.2	41.3	5.2	74	s.	3	1.3	.....	5 ck	0	w.	.....	0	0	fair	G. Kingsbury.
Delaware Breakwater, Del	29.92	760 0	29.94	760.5	46.6	8.1	84	ne.	6	2.7	.....	.....	10 s	.....	se.	0.04	1.0	cloudy	G. A. Martin.
Denver, Colorado	24.71	627 6	29.98	761.5	44.7	7.1	67	s.	8	3.6	.....	0	5 s	.....	nw.	0	0	fair	F. M. Neal.
Des Moines, Iowa	29.23	742.4	30.16	766.1	38.3	3.5	78	nw.	1	0.4	.....	0	sk.	.....	.....	0	0	clear	F. W. Conrad.
Detroit, Michigan	29.28	743.7	30.01	762.2	41.9	5.5	65	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	N. B. Conger.
Dodge City, Kansas	27.45	697.2	30.09	764.3	44.5	6.9	53	se.	14	6.3	.....	3 cs	0	.....	.....	0	0	clear	J. E. Lamouette.
Dubuque, Iowa	29.40	746.7	30.13	765.3	39.2	4.0	65	ne.	2	0.9	.....	hz.	0	.....	.....	0	0	clear	A. W. Browne.
Duluth, Minnesota	29.39	746.5	30.16	766.1	35.9	2.2	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	E. R. Brace.
Eastport, Maine	29.89	759.2	29.96	761.0	44.0	6.7	76	w.	1	0.4	.....	0	0	.....	.....	0	0	clear	D. C. Murphy.
Elliott, Fort, Texas	27.29	693.2	30.07	763.8	41.7	5.4	64	se.	6	2.7	.....	0	2 s	.....	nw.	0	0	clear	J. C. Rickli.
El Paso, Texas	26.27	667.2	30.01	762.2	55.0	12.8	21	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.21	741.9	29.96	761.0	42.6	5.9	67	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear	P. Wood.
Escanaba, Michigan	29.44	747.8	30.12	765.0	35.4	1.9	65	n.	5	2.2	.....	0	0	.....	.....	0	0	clear	L. M. Pindell.
Fort Smith, Arkansas	29.69	754.1	30.17	766.3	40.3	4.6	90	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. B. Campbell.
Galveston, Texas	30.16	766.1	30.20	767.1	57.0	13.9	85	w.	3	1.3	.....	hz.	0	.....	.....	0	0	clear	E. O'C. Macinerney
Grand Haven, Michigan	29.39	746.5	30.08	764.0	45.1	7.2	53	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	Joseph E. Mueller.
Grant, Fort, Arizona	25.29	642.4	30.02	762.5	52.6	11.4	29	e.	2	0.9	.....	1 c	0	nw.	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.93	760.2	29.94	760.5	50.5	10.3	93	ne.	5	2.2	.....	.....	10 k	.....	ne.	0	0	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.69	652.5	29.90	759.4	46	7.8	71	w.	3	1.3			10 s			0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.67	728.2	30.12	765.0	33.8	1.0	76	se.	7	3.1		0	0			inap.	inap.	clear	S. W. Glenn.
Indianapolis, Indiana	29.18	741.2	30.00	762.0	44.3	6.8	76	ne.	3	1.3			10 k		ne.	0.25	6.3	cloudy	C. F. R. Wappenhans.
Indianola, Texas	30.15	765.8	30.18	766.6	57.1	13.9	92	sw.	4	1.8		0	0			0	0	clear	I. A. Reed.
Jacksonville Florida	29.90	761.0	30.00	762.0	60.3	15.7	71	w.	8	3.6		0	4 k		w.	0	0	fair	J. W. Smith.
Keokuk, Iowa	29.43	747.5	30.10	764.5	41.6	5.3	67	calm	0	0		0	0			0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.05	763.3	30.07	763.8	73.6	23.1	67	nw.	13	5.8		0	6 k		w.	0.06	1.5	fair	J. Harvey Smith.
Kittyhawk, North Carolina	29.93	760.2	29.95	760.7	47.0	8.3	94	ne.	7	3.1			fg.			0.16	4.1	dense fog	Wesley Blake.
Knoxville, Tennessee	28.96	735.6	30.00	762.0	44.8	7.1	92	w.	3	1.3			10 s		w.	0.11	2.8	cloudy	J. A. Cody.
La Crosse, Wisconsin	29.35	745.5	30.15	765.8	42.3	5.7	65	s.	2	0.9		0	0			inap.	inap.	clear	S. C. Emery.
Leavenworth, Kansas	29.23	742.4	30.14	765.5	39	3.9	89	calm	0	0		0	fg.			0	0	clear	C. Dill.
Lewiston, Idaho	29.18	741.2	30.04	763.0	49.0	9.4	86	ne.	2	0.9			10 s			0.42	10.7	cloudy	C. E. Butler.
Little Rock, Arkansas	29.82	757.4	30.14	765.5	44.2	6.8	87	nw.	2	0.9		0	0			0	0	clear	W. U. Simons.
Los Angeles, California	29.73	755.1	30.13	765.3	56.5	13.6	90	ne.	2	0.9			10 s			0	0	cloudy	T. S. Collins.
Louisville, Kentucky	29.42	747.3	29.99	761.7	46.5	8.1	87	nw.	7	3.1			10 s			0.03	0.8	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.22	742.2	29.93	760.2	48.0	8.9	86	calm	0	0		0	9k; fg			0.02	0.5	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.44	747.8	30.12	765.0	38.5	3.6	67	ne.	7	3.1		0	0			0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.94	760.5	29.94	760.5	50.0	10.0	92	n.	4	1.8			10 s		ne.	inap.	inap.	cloudy	William Daly.
Maginnis, Fort, Montana	25.39	644.9	29.89	759.2	50.6	10.3	33	sw.	4	1.8		6 ck	0	sw.		0	0	fair	F. Burke.
Marquette, Michigan	29.42	747.3	30.17	766.3	40.0	4.4	59	nw.	4	1.8		0	0			0	0	clear	J. Gilligan.
Memphis, Tennessee	29.77	756 1	30.11	764.8	45.5	7.5	93	calm	0	0			10 s			inap.	inap.	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.33	745.0	30.10	764.5	39.7	4.3	69	n.	11	4.9		0	sk.			0	0	clear	S. W. Rhode.
Mobile, Alabama	30.11	764.8	30.15	765.8	44.4	6.9	80	w.	5	2.2		0	sk.			0	0	clear	H. U. Jones.
Montgomery, Alabama	29.87	758.7	30.10	764.5	44.3	6.8	87	w.	6	2.7		0	0			inap.	inap.	clear	S. M. Leitzell.
Moorhead, Minnesota	29.08	738.6	30.11	764.8	38.0	3.3	59	s.	4	1.8		0	0			0	0	clear	L. M. Doy.
Mt. Washington, N. H.	23.73	602.7	30.14	765.5	33.0	0.6	85	n.	2	0.9		0	0			inap.	inap.	clear	E. A. Beals.
Nashville, Tennessee	29.15	748.0	30.03	762.7	44.5	6.9	88	w.	9	4.0			10 ks		w.	inap.	inap.	cloudy	L. N. Jesunofsky
New Haven, Connecticut	29.85	758.2	29.97	761.2	45.9	7.7	81	ne.	11	4.9		0	9 s			0	0	cloudy	J. H. Sherman.
New London, Connecticut	29.92	760.0	29.97	761.2	50.0	10.0	58	ne.	1	0.4		2 ck	2 ks	nw.	n.	0	0	fair	J. G. Lynch.
New Orleans, Louisiana	30.11	764.8	30.17	766.3	55.3	12.9	52	se.	1	0.4		0	0			0	0	clear	M. Herman.
New York, New York	29.78	756 4	29.96	761.0	50	10.0	64	ne.	12	5.4		0	8ks; fg			inap.	inap.	cloudy	W. Finn.
Norfolk, Virginia	29.94	760.5	29.97	761.2	50.2	10.1	92	n.	1	0.4			10 s		n	0.05	1.3	cloudy	Wm. Davis.
North Platte, Nebraska	27.07	687,6	30.03	762.7	46.6	8.1	76	se.	13	5.8		0	5 s			0.03	0.8	fair	E. F. Brady.
Olympia, Washington T'y	29.92	760.0	29.96	761.0	47.0	8.3	89	s.	1	0.4		0	1 s			0.19	4.8	clear	J. Dascomb.
Omaha, Nebraska	28.96	735.6	30.17	766 3	40.7	4.8	76	calm	0	0		0	0			0	0	clear	A. Pollak
Oswego, New York	29.66	753 4	30.00	762 0	42.0	5.6	69	calm	0	0		4 c	sk.			0	0	fair	J. G. Linsley.
Palestine, Texas	29.63	752.6	30.19	766.8	48.1	8.9	85	n.	1	0.4		2 cs	0			0	0	clear	P. T. Jenkins.
Pensacola, Florida	30.11	764.8	30.14	765.5	46.3	7.9	74	nw.	5	2.2		0	0			0	0	clear	M. McGauran.
Philadelphia, Pa	29.82	757.4	29.95	760.7	50.5	10.3	93	calm	0	0		0	fg.			0.06	1.5	clear	T. F. Townsend.
Pike's Peak, Colorado	17.82	452.6	30.10	764.5	14.0	—10.0	64	nw.	48	21.5		0	0			inap.	inap.	clear	H. Hall.
Pittsburg, Pennsylvania	29.09	738.9	29.92	760.0	48.3	9.1	81	ne.	8	3.6			10 s		ne.	0.05	1.3	cloudy	O. D. Stewart.
Poplar River, Montana					37.3	2.9	45					0	5 ks			0	0	fair	Geo. A. Carden.
Port Huron, Michigan	29.29	744.0	29.99	761.7	40.0	4.4	73	n.	11	4.9		0	0			0	0	clear	M. H. Perry
Portland, Maine	29.94	760.5	29.99	761.7	47.5	8.6	73	n.	1	0.4		0	sk.			0	0	clear	W. W. Eichelberger.
Portland, Oregon	29.91	759.7	29.98	761.5	48.0	8.9	83	s.	2	0.9			10 n			0.33	8.4	light rain	M. L. Hearne.
Prescott, Arizona	24.79	629.7	30.06	763.5	40.2	4.6	84	calm	0	0		0	0			0	0	clear	J. Glover.
Provincetown, Mass																			C. N. Kitchel.
Red Bluff, California	29.76	755.9	30.12	765.0	51	10.6	96	nw.	4	1.8			10 s			0.28	7.1	cloudy	J. R. Williams.
Rio Grande City, Texas	29.96	761.0	30.20	767.1	54.0	12.2	86	se.	4	1.8		0	0			0	0	clear	L. G. Schultz.
Rochester, N. Y	29.31	744.5	30.00	762.0	41.6	5.3	79	calm	0	0		4 ck	sk.	se.		0	0	fair	E. W. McGann.
Roseburg, Oregon	29.50	749.3	30.06	763.5	42.4	5.8	86	calm	0	0		2 k	0	s.		0.23	5.8	clear	J. J. Naury.
Sacramento, California	30.09	764.2	30.16	766.1	54.0	12.2	91	sw.	4	1.8		0	5 s		sw.	0.10	2.5	fair	J. A. Barwick
St. Louis, Missouri	29.44	747.8	30.07	763.8	46.4	8.0	58	nw.	13	5.8			10 s		nw.	0.02	0.5	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.04	752.8	29.67	753.6	31.5	— 0.3	94	e.	4	1.8			10 s			inap.	inap.	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.23	742.4	30.11	764.8	41.1	5.1	73	nw.	1	0.4		2 cs	hz.	s.		0	0	clear	P. F Lyons.
St. Vincent, Minnesota	29.20	741.7	30.10	764.5	38	3.3	82	s.	2	0.9		0	0			0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.55	649.0	29.92	760.0	55.2	12.9	53	e.	4	1.8		0	4 k			0	0	fair	J. Craig.
San Diego, California	30.02	762.5	30.09	764.3	57.2	14.0	85	n.	3	1.3			10 s		nw.	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.30	744.2	30.00	762.0	43.9	6.6	80	n	10	4.5		5 ck	2 s	n.		0	0	fair	B. F. Hough.
Sandy Hook, New Jersey	29.92	760.0	29.96	761.0	48.5	9.2	74	n.	7	3.1		0	8 k		se.	0	0	cloudy	V. P. Chappel.
Sanford, Florida	29.96	761.0	30.01	762.2	60.6	15.9	83	nw.	3	1.3		8 cs	0	w.		0	0	cloudy	J. B. Marbury
San Francisco, California	30.10	764.5	30.17	766.3	55.0	12.8	92	w.	5	2.2			8s; fg		w.	0.15	3.8	threatening	N. Gorom.
Savannah, Georgia	29.86	758.4	29.95	760.7	57	13.9	78	w.	8	3.6		0	2 ks		w.	0.05	1.3	clear	H. W. Ford.
Shaw, Fort, Montana	26.20	665.5	29.87	758.7	46	7.8	63	sw.	6	2.7		0	4 k		w.	0	0	fair	A. L. Mathews.
Shreveport, Louisiana	29.94	760.5	30.18	766.6	46.4	8.0	85	calm	0	0		0	hz.			0	0	clear	E. N. Meekins.
Sitka, Alaska	29.57	751.1	29.64	752.8	47.1	8.4	89	se.	9	4.0			10 s		se.	0	0	cloudy	F. W. Pickett.
Smithville, North Carolina	29.88	758.9	29.92	760.0	52.0	11.1	88	n.	5	2.2			9 s		w.	0	0	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.86	707.6	29.92	760.0	46.0	7.8	89	sw.	12	5.4			10 s		sw.	0.22	5.6	threatening	D. Moore.
Springfield, Illinois	29.40	746.7	30.10	764.5	44 6	7.0	54	n.	8	3.6		0	6 s			inap.	inap.	fair	W. Norrington.
Stockton, Fort, Texas	26.98	685.3	30.02	762.5	46.2	7.9	79	s.	6	2.7		0	0			0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.79	756.7	29.88	758.9	48.2	9.0	91	se.	12	5.4			10 s		se.	0.10	2.5	cloudy	R. Connor.
Thomas, Camp, Arizona	27.32	693.9	30.05	763.3	44.8	7.1	45	calm			0	0	0			0	0	clear	R. C. Lord.
Toledo, Ohio	29.26	743.2	29.97	761.2	44	6.7	60	n.	2	0.9		6 ck	1 s	se.		0	0	fair	A. Buell.
Unalashka, Alaska	29.70	754.4	29.72	754.9	34	1.1	88	ne.	8	3.6		0	0			0.04	1.0	clear	Samuel Applegate
Vicksburg, Mississippi	29.92	760.0	30.18	766.6	46.8	8.2	79	s.	1	0.4		0	0			0	0	clear	F. W. Mixer.
Washington, D. C	29.83	757.7	29.95	760.7	50.0	10.0	80	nw.	3	1.3			10 s		nw.	inap.	inap.	cloudy	T. B. Harrison.
West Las Animas, Colorado	26.01	660.6	29.96	761.0	35.8	2.1	92	w.	1	0.4		4 ck	0	w.		0	0	fair	F. H. Brandenburg.
Wilmington, N. Carolina	29.88	758.9	29.94	760.5	51.0	10.6	86	ne.	2	0.9		0	9 ks		w.	0.01	0.3	cloudy	L. H. Albrecht.
Yankton, Dakota	28.80	731.5	30.14	765.5	38.1	3.4	75	e.	1	0.4			hz.			0	0	dense haze	E. H. Thompson.
Yuma, Arizona	29.81	757.2	29.96	761.0	60.7	15.9	72	calm	0	0		1 c	0	nw.		0	0	clear	W. S Delano.
Sub-series.																			
Behringisland, Kamchatka	29.90	759.4	29.92	760.0	32.0	0.0		nw	13	5.8			10 n			0.07	1.8	cloudy	George Oherulck.
Bluefields, Nicaragua, C. A					78	25.6		nw.			2	0	9 n		ne.	0	0	cloudy	W. F. Jackson.
Bogota, U. S. C					53.6	12.0	93	s.	2	1		6 ck	1 k			0.764	19.4		Joaquin Gomez.
Chimo, Fort, Ungava	22.07	560.6			10	—12.2	100	nw.	26	11.6			10 c		sw.	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I	29.80	756.9	29.95	760.7		26.1	69	n.	1	0.4		0	1 s		e.	0	0	fine	Robert Johnston.
Paramaribo, S. A			29.98	761.5	79			e.			2	5 k	6 ks	e.	e.	0.500	12.7		Dr. C. J. Hering.
Puerto Berrio, U. S. C	30.04	763.0	30.04	763.0	80	26.7	82	e.			2	5 k	6 ks	e.	e.	0.500	12.7		Dr. C. J. Hering.
Rivas, Nicaragua, C. A	29.55?	750.6?	30.11?	764.8?	79	26.1	89	n.			1		10 k		calm	0	0	cloudy	Francisco J. Cisneros.
York Factory, B. A	29.93?	760.2?	30.09?	764.3?	76.5	24.7	84	ne.			1		cs		se.	0	0	clear	Earl Flint.
	30.20	767.1	30.26	768.6	13.5	—10.3	91	sw.	13	5.8		1 c	0	sw.		0	0		Fortescue & Wood.
U. S. OF COLOMBIA. *(sub series).*																			
Colon																			P. Fasiani.
Nuôs, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic																		
S. S. Arizona, N. 44° 25′, W. 45° 36′	30.16	766.1	59	15.0		sse.			4		3		w.	0	0	sm'h		¼ clouded.
S. S. Alvo, Port Antonio, Jamaica W. I †	29.93	760.2	76	24.4		e;ene			5		5		ene.	1 h'r	1 h'r			fine.
S. S. Alps, N. 40° 43′, W. 73° 57′*†	30.02	762.5	55	12.8		ne.			2		4		ne.	0	0	sm'h		clear.
S. S. Anchoria, N. 45° 11′, W. 45° 50′						sse.			3		0			0	0	sm'h		clear.
S. S. Assyrian Monarch, N. 41° 26′, W. 49° 55′ †	30.10	764.5	57	13.9		se.			4		0			0	0	mod.	se.	clear.
S. S. Bohemia, N. 39° 57′, W. 63° 46′						ene.			3		4		ene.	0	0	sm'h	ene.	foggy.
S. S. Bothnia, N. 46° 37′, W. 38° 48′	30.19	766.8			95	sw.			1		2		sw.	0	0	sm'h		clear.
S. S. City of Washington, N. 23° 08′, W. 83° 25′ *†	30.10	764.5	81	27.2		n.			4		2		n.	0	0	h'vy	ne.	clear.
Bk. C. S. Bushnell, N. 42° 22′, W. 51° 41′	30.05	763.3				s.			5		8		sw.	0	0	long	sw.	hazy.
S. S. Circassian, N. 39° 40′, W. 70° 03′	29.87	758.7	50	10 0	86	ene.			5		8		ene.			3	ne.	d. clouds.
S. S. Cienfuegos, St Jago, Cuba, W. I			77	25.0		calm			0		0			0	0			clear.
S. S. Canada, (Fr) N. 45° 21′, W. 39° 23′	30.24	768.1	64.4	18.0		calm			0		0	n.				sm'h		clear.
S. S. Eider, N. 41° 32′, W 65° 04′ *	29.95	760.8	48.2	9.0		e.			2		1		wnw.	4 h'r	4 h'r	sm'h	e.	clear.
S. S Egypt, N. 41° 01′, W. 59° 21′ †	29.92	760.0	53	11.7		nw.			2		0			0	0	sm'h	s.	clear.
S. S. Gallia, N. 40° 33′, W. 69° 40′	29.86	758.4	50	10.0		e			3		5		e.	0	0	sm'h		fair.
S. S. Holland, N. 44° 31′ W. 35° 22′*	30.21	767.3	53	11.7		nne.			5		7?		nne.	2 h'r	2 h'r	mod.	nnw.	overcast.?
S. S. Helvetia, N. 40° 22′, W. 58° 40′	29.87	758.7	59	15.0	94	nne.			4		10		nne.	0	0	long	e.	cloudy.
S. S. Lord Clive, N. 42° 09′, W. 54° 27′						s.			4		9		ssw.	0	0	slt't	s.	cloudy.
Bg. L. & W. Armstrong, N. 40° 15′, W. 73° 01′						ese.			1		9		e.	½h'r	½hr	sm'h	sse.	cloudy.
S. S. Lone Star, N. 28° 45′, W. 93° 10′†	30.04	763.0	66	18.9		nw.			2		0			0	0	sm'h		clear.
S. S. Llandaff City, N. 40° 08′, W. 56° 52′*†	29.91	759.7	66	18.9		s.			3		6		s.	rain	rain	mod.	var.	fair.
S. S. Madrid, N. 39° 47′, W. 61° 48′			60	15.6	88	ene.			2		6		ene.	0	0	mod.	e.	fair.
S. S. Main, N. 41° 45′ W. 45° 03′	30.19	766.8	62.6	17.0		se.			4		2		se.	0	c	mod.	se.	clear.
S. S. Nova Scotian, N. 37° 10′, W. 75° 49′			46	7.8		ene.			2		1fg.					sm'h		foggy.
S. S. Nessmore, N. 51° 03′, W. 13° 34	29.61	752.1	54	12.2	87	se.			3		5		se.	6 h'r	6 h'r	mod.	se.	fair.
S. S. Normandie, N. 49° 50′, W. 9° 15′ *†	29.76	756.0	50.0	10.0		sse.			3		4		e.	0	0	sm'h		misty.
S. S. Orinoco, Bermuda, Atlantic			74	23.3		calm			0		10?			4 h'r	4 h'r			clear.?
S. S. Rosse, N. 42° 38′, W. 46° 40′	30.11	764.8	61	16.1	71	sse.			4		2		sse.	0	0	sm'h		clear.
S. S. Rhaetia, N. 43° 07′, W. 47° 46′						sw.			4		2			0	0	mod.	s.	fair.
S. S. State of Nebraska, N. 47° 41′, W. 36° 00′*†	30.18	766.6	48	8.9		n.			2		9		nw.	8 h'r	8 h'r	sm'h		cloudy.
S. S. Valencia, N. 21° 47′, W. 68° 55′ †	30.09	764.3	79	26.1	78	sse.			4		2		sse.	0	0	light	s.	clear.
S. S. Wieland, N. 49° 47′, W. 15° 10′			49	9.4		nnw.			5		4		nw.	0	0	mod.	nw.	fair.
S. S. Westernland, N. 45° 01′, W. 36° 56′	30.20	767.1	58	14 4	81	nw.			3		1		nw.	2 h'r	2 h'r	light	nw.	clear.
S. S. Lessing, N. 47° 45′, W. 27° 28′	29.94	760.5	53	11.7		n.			4		1		nnw.	0	0	sm'h	nw.	clear.
Schr. Adda Doane, Port Antonio, Jamaica, W. I						s.			1		2		se.	0	0			clear.
S. S. America, Bremerhaven, Germany*	29.78	756.4	45	7.2		se.			3		4		ese.	0	0	light	se.	fair.
Bg. Belle of the Bay, N. 31° 38′, W. 74° 08′ *†	29.98	761.5				ne.			4		4		s.	0	0	con.	s.	fair.
S. S. British Princess, Queenstown, Ireland †	29.80	756.9				sw.			2		2		sw.	0	0	sm'h		clear
S. S. Celtic, N. 42° 09′, W. 54° 45′ †	29.98	761.5	53	11.7		sse.			4		10		var.			sm'h	n.	cloudy.
S. S. Caracas, Curacoa, W. I *†	30.01	762.2	80	26.7	91	ene.			4		8		e.	½ h'r	½ h'r	light	ese.	h'vy clouds.
S. S. City of Merida, N. 19° 11′, W. 96° 08′ *†	30.10	764.5	73.4	23.		n			2		10		n.	0	0			cloudy.
S. S. Chalmette, N. 25° 07′, W. 83° 47′ †	30.14	765.5	72	22.2		nw.			5		9		nw.	3 h'r	3 h'r	mod.	nw.	cloudy.
S. S. Elysia, N. 50° 47′, W. 28° 27′*	30.03	762.7	45	7.2		n.			3		6		n.	1 h'r	1 h'r	sm'h		fine.
S. S. Erin, N. 43° 54′, W. 37° 45′	30.31	769.9	56	13.3		ne.			2		9		e.	0	0	long	e.	overcast.
S. S. England, off Ballycottin, Ireland	29.84	757.9				sse.			4		5		sse.	0	0	mod.	se.	fine.
S. S. Foscolia, N. 26° 10′ W. 76° 10′			73	22.8		wnw.			4		2			0	0	sm'h		hazy.
S. S. Grecian, N. 54° 27′, W. 15° 35′	29.68	753.9	45	7.2	92	nne.			6		10		ne.	1½ hr	1½ hr	sm'h		squally.
S. S. Italy, N. 50° 10′, W. 3° 38′*	29.82	757.4	45	7.2		ne.			4		2		ne.	0	0	sm'h	ene.	clear.
S. S. Labrador, N. 40° 31′, W. 70° 01′			46.4	8.0		ne.			2		2		e.	0	0	sm'h	e.	clear.
S. S. Neckar, N. 48° 37′, W. 28° 02′			54.5	12.5		nnw.			5		3		nw.	1 h'r	1 h'r	mod.	nw.	fair.
S. S. New York, N. 38° 13′, W. 74° 30′ *†	29.84	757.9	52	11.1		var.			2		10		sw.			long	ne.	overcast.
S. S. Ontario, N. 49° 34′, W. 25° 10′	29.98	761.5	55	12.8	93	nne.			4		6		n.	sh'rs	sh'rs	mod.	n.	fair.
S. S. Prussian, off Inistrahull, Ireland	29.86	758.4	48	8.9		sw.			2		5		w	0	0	slt't	w.	hazy.
S. S. Pavonia, off Queenstown, Ireland	29.83	757.7	52	11.1		sse.			4		3		se.	0	0	sm'h		clear.
S. S. Werra, N. 49° 50′, W 6° 25′*	29.77	756.1	49.1	9.5		se.			5		7		se.	0	0	mod.	se.	cloudy?
U. S. S. Alliance, Dry Tortugas, Fla	30.07	763.8	74	23.3	90	nw.			3		2		nw.	light	light	sm'h		clear.
U. S. S. Galena, N. 17° 02′, W. 71° 39′ *	30.01	762.2	79	26.1	70	e.			3		2		e.			sm'h		fair.
U. S. S. Jamestown, N. 15° 50′, W. 62° 47′	30.09	764.3	78	25.6	73	e.			3		2					sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.66	753.4	75	23.9	60	wnw.			3		0							hazy.
U. S. S. Lancaster, Smyrna, Turkey	29.63	752.6	77	25.0	77	wnw.			3		2					sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	29.94	760.5	42	5.6	74	n.			1		8							fair.
U. S. S. Pensacola, N. 13° 22′, W. 59° 41′	30.06	763 5	79	26.1	82	ene.			4		5		e.	0	0	sm'h		fair.
U. S. S. Portsmouth, N 39° 50′, W. 73° 29′			44	6.7	84	ene.			2		10		ne.			sm'h		rainy.
U. S. S. Powhatan, Newport, R. I	29.97	761.2	48	8.9	92	nw.			1		5		wnw.					fair.
U. S. S. Quinnebaug, N. 38° 32′, E. 26° 44′			68	20.0	74	sw.			2		2		ne.			sm'h		fair.
U. S. S. Saratoga, Lisbon, Portugal	29.81	757.2	56	13.3	75	nw.			2–3		2		nw.	light	light	sm'h		squally.
U. S. S. Swatara, Matanzas, Cuba, W. I	30.06	763.5	73	22.8	95	calm			0		5?		calm	hv'y	hv'y	sm'h		cloudy?
U. S. S. Tennessee, Key West, Fla	30.05	763.3	74	23.3	72	nw.			3		8		nw.	0	0	sm'h		fair.
U. S. S Vandalia, Matanzas, Cuba, W. I	30.03	762.7	72	22.2	85	w.			1		8		calm					fair.
U. S. S Yantic, N. 24° 47′, W. 80° 40′	30.08	764.0	72	22.2	90	n.			4		5					sm'h		fair.
U. S. Navy Yard, Portsmouth, N. H.	29.92	760.0	47	8.3	85	ene.	3	1.3			0			0	0			clear.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′			72	22.2	76	w.			2		1		nw.					blue sky.
H. M. S. Alecto, N. 4° 52′, W. 2° 15′	29.90	759.4	83	28.3		s			2		8					4	ssw.	d. clouds.
H. M. S. Minotaur, N. 37° 29′, E. 7° 00′			63	17.2	70	wsw.			4		9					2	wsw.	d. clouds.
H. M. S. Tyne, N. 25° 19′, E. 35° 33′	29.75	755 6	77	25.0		calm			0		0							misty.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.91	759.6	84.2	29.0	74	sse.			4		7		se.	1 h'r	1 h'r	3	se.	d. clouds.
S. S. British Crown, N. 40° 17′, W. 53° 01′†	30.03	762.7	61	16.1		ene.			4		5		se.	0	0	mod.	se.	
S. S. Scandinavian, N. 42° 07′, W. 48° 33′	30.12	765.0	54	12.2		se.			2	c		s.		0	0	con.	sse.	d. clouds.
S. S. Athos, N. 10° 58′, W. 75° 05′						e.			2		2		ese.	0	0	mod.	nne.	clear.
S. S. Dorian, Boston, Mass	30.00	762.0												0	0			fine.
S. S. Moravia, N. 52° 42′, E. 4° 30′			44.6	7		n			2		8		n.	2 h'r	2 h'r	sm'h		raining.
S. S. Hammonia, N. 54° 13′, E. 8° 38′	29.78	756.4	49	9.4		nne.			3		3		nne.	1 h'r	1 h'r	sm'h		fair.
S. S. Sirius, N. 38° 03′, W. 10° 05′	29.82	757 4				wnw.			4		3		wnw.	0	0	r'gh	wnw.	clear.
S. S Teniers, N. 26° 29′, W. 19° 40′	30.10	764.5	74.2?	23.4?	55	wnw.			2	0	3 k			0	0	2	wnw.	blue sky
S. S. Olbers, N. 40° 33′, W. 64° 43′	29.89	759.2	55.5	13.1	68	n.			3		5		calm	0	0	slt't	e.	d. clouds.
S. S. Archimede (It), Palermo, Sicily			76	24.4		w.			4		3		w.	0	0			clear.
S. S. Gottardo, N. 35° 35′, W. 13° 45′			65	18.3		nw.			3		2		nw.	0	0		ne.	clear.
S. S. Strassburg, N. 45° 54′, W. 8° 37′	29.67	753.6	51	10.6	76	ene.			2		10		ene.	12 h'r	12 h'r	3	ne.	covered.
S. S. Rhyniand, N. 50° 05′, W. 3° 45′ *	29.87	758.7	48	8.9	70	e.			3		1		e.	0	0	short	e.	clear.
S. S. Pennland, Antwerp, Belgium *†	29.78	756.4	46	7.8	77	ene.			2		9		ene.	0	0			cloudy.
S. S. Amsterdam, N. 40° 32′, W. 70° 01′			51.8	11.0	90	calm			0		7		sw.	0	0			cloudy.
S. S. W. A. Scholten, Rotterdam, Holland	29.81	757.2	46.0	7.8	82	ne.			3		8		ne.	0	0			fair.
S. S. Maasdam N. 40° 09′, W 70° 49′*	29.90	759.4	47.5	8.6	96	nne.			3		6		ne.	0	0			cloudy.
S. S. Saxon, N. 42° 15′, W. 70° 25′						ese.			1		3			0	0	sm'h		fine.
S. S. Britannic, N. 43° 50′, W 38° 58′	30.24	768.1	54	12.2		calm			0		2		e.	0	0	sm'h		d. clouds.
S. S. Marengo, N. 40° 18′, W. 70° 07′	29.93	760.2	46	7.8		ne.			4		3		ne.	2 h'r	2 h'r	mod.	ene.	clear.
S. S. Salerno, N. 44° 28′, W. 31° 31′ †	30.27	768.8				wnw			2		5		nw.	0	0		nw.	fine.
Bg. Alcira, Maracaybo, Venezuela	29.94	760.5	83	28.3		calm			0		4?		e.	0	0			cloudy?
S. S. Antonio Lopez, Cadiz, Spain	29.89	759.2	61	16.1	69	wnw.			3		3			½h'r	½h'r			fair.
Schr. Arthur Burton, N. 19° 26′, W. 67° 30′†	30.13	765.3				e.			1		1		ene.	0	0	sm'h	se.	fine.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W. I†	30.06	763.5	79	26.1		se.			1		0			0	0			clear.
Schr. Annie A. Holton, N 23° 13′, W. 88° 25′			75	23.9		nnw.			4		2		nnw.	0	0	mod.	wnw.	clear.
Bg. Abbie Clifford, Port of Spain, Trinidad, W. I			80	26.7		calm			0		7		e.	0	0			fair.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bgt. Achsah, N. 40° 48′, W. 63° 25′	.....	.....	.....	.....	.....	e.	.....	.....	4	.....	3	.....	nw.	0	0	mod.	e.	clear.
S. Annie, Bayonne, N. J	29.98	761.5	.....	.....	.....	ne.	.....	.....	3	.....	7	.....	s.	.....	.....	.....	.....	cloudy.
Bk. Adelaide, N. 32° 05′, W. 73° 24′ *†	29.97	761.2	73	22.8	.....	n.	.....	.....	4	.....	1	.....	nne.	0	0	short	chop	clear.
Schr. Abbie H. Gheen, Wilmington, Del	.....	.....	60	15.6	.....	n.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Benjamin Dickerman, N. 11° 41′, W. 57° 35′*†	30.04	763.0	81	27.2	.....	ene.	.....	.....	4	.....	6	.....	ene.	0	0	long	ene.	smoky.
Bk. Charles Stewart, N. 39° 35′, E. 5° 40′*†	29.66	753.4	.....	.....	.....	wsw.	.....	.....	6	.....	3	.....	w.	0	0	r'gh	w.	fair.
S. Cornelius, N. 20° 35′, W. 40° 52′*†	30.09	764.3	75.9	24.4	.....	sw.	.....	.....	4	.....	5	.....	nw.	0	0	sm'h	.....	fair.
Bkt. Corisande, N. 40° 47′, W. 69° 21′	29.93	760.2	.....	.....	.....	ene.	.....	.....	2	.....	.....	.....	wsw.	2 h'r	2 h'r	sm'h	ene.	cloudy.
Bk. Diamant, N. 44° 50′, W. 16° 54′	29.74	755.3	53.4	11.9	64	nnw.	.....	.....	5	.....	4	.....	nnw.	2 h'r	2 h'r	4	ene.	fair.
S. E. J. Spicer, N. 44° 34′, W. 19° 55′	29.95	760.7	51	10.6	93	n.	.....	.....	5	.....	7	.....	n.	rain	rain	mod.	ese.	cloudy.
Schr. Edith R. Seward, Richmond, Va	.....	.....	56	13.3	.....	calm	.....	.....	0	.....	8	.....	.....	3 h'r	3 h'r	.....	.....	cloudy.
Bk. Fred. W Carlon, N. 29° 04′, W. 71° 20′	.....	.....	78	25.6	.....	ssw.	.....	.....	2	.....	4?	.....	sw.	0	0	mod	w.	cloudy.?
S. Ismir, N. 26° 25′, W. 68° 20′	.....	.....	.....	.....	.....	sw.	.....	.....	1	.....	2	.....	sw.	0	0	mod.	sw.	fine.
Bk. Gloire, N. 42° 10′, W. 33° 30′	30.22	767.6	56.5	13.6	80	ne.	.....	.....	1	.....	.....	.....	nne.	0	0	long	e.	fair
S. Grecian, N. 50° 10′, W. 5° —′†	29.77	756.1	49	9.4	64	ese.	.....	.....	6	.....	4	.....	ese.	0	0	sm'h	.....	clear.
S. Hedwig, N. 39° 10′, E. 5° 20′	29.71	754.7	63.9	17.7	90	wsw.	.....	.....	6	.....	4	.....	wsw.	0	0	3	wsw.	
Bk. Hattie G. McFarland, Pascagoula, Miss	.....	.....	49	9.4	.....	nw.	.....	.....	4	.....	3	.....	n.	0	0	.....	.....	fine.
S. Henry, N. 39° 40′, E. 4° 40′*…	29.65	753.1	60.8	16.0	.....	wsw.	.....	.....	5–6	1 ck	.....	.....	.....	.....	.....	4	w.	fair.
Bk. Horace Scudder, N. 0° 40′, E. 4° 46′	.....	.....	82	27.8	.....	ssw.	.....	.....	4	.....	5	.....	ssw.	0	0	.....	.....	fair.
Bk. Ibis, N. 28° 00′, W. 72° 55′	.....	.....	72	22.2	.....	se.	.....	.....	4	.....	4	.....	sw.	0	0	sm'h	se.	fine.
Schr. Jennie N. Huddell, Georgetown, D. C†	29.96	761.0	56	13.3	.....	nnw.	.....	.....	1	.....	10	.....	nw.	0	0	.....	.....	cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.03	762.7	.....	.....	.....	ssw	.....	.....	1	.....	0	.....	.....	2 h'r	2 h'r	.....	.....	clear.
Bg. John Welsh, jr, N. 24° 31′, W. 70° 41′	.....	.....	.....	.....	.....	s.	.....	.....	3	.....	1	.....	ssw.	.....	.....	sm'h	.....	clear.
Schr. John Bird, N. 36° 17′, W. 73° 57′	.....	.....	.....	.....	.....	nne.	.....	.....	6	.....	10	.....	nnw.	1 h'r	1 h'r	cross	var.	
Schr. Jenny Greenbank, N 25° 32′, W. 73° 45*…	30.02	762.5	75	23.9	.....	ese.	.....	.....	3	.....	5	.....	sse.	2⅛ h'r	2⅛ h'r	sm'h	.....	squally.
Schr. Jenny R. Morse, Darien, Ga†	29.98	761.5	.....	.....	.....	wnw.	.....	.....	4	.....	0	.....	.....	0	0	.....	.....	
Lighthouse Tender Laurel, Alligator Light, Fla†	29.99	761.7	80	26.7	.....	nnw.	.....	.....	3	.....	9	.....	n.	0	0	.....	.....	cloudy.
Bg. L. F. Munson, N. 28° 50′, W. 68° 40′*†	30.08	764.0	73	22.8	.....	ssw.	.....	.....	3	.....	10	.....	.....	0	0	mod.	nw.	overcast.
Bkt. Levanter, Barbadoes, W.I	30.04	763.0	81	27.2	.....	ene.	.....	.....	3	.....	6	.....	ene.	0	0	.....	.....	fair.
Bkt. Levi S. Andrews, N. 38° 02′, W. 57° 33′*†	29.94	760.5	68.5	20.3	.....	sw.	.....	.....	5	.....	5	.....	sw.	0	0	h'vy	se.	fair.
Schr. Norena, Ponce, Porto Rico, W. I†	30.06	763.5	.....	.....	.....	nne.	.....	.....	1	.....	3	.....	ene.	0	0	sm'h	.....	
Bk. Rosalie, N. 17° 58′, W. 54° 41′*†	30.04	763.0	.....	.....	.....	w.	.....	.....	2	.....	0	.....	.....	0	0	light	se.	clear.
Bk. Rosina, N. 31° 52′, W. 20° 18′	30.06	763.5	64	17.8	.....	n.	.....	.....	2	.....	4	.....	nw.	0	0	mod.	n	cloudy.
Bkt. Rosebud, N. 0° 36′, W. 25° 42′*	30.00	762.0	84	28.9	.....	calm	.....	.....	0	.....	0	.....	.....	0	0	short	se.	clear.
S. Salisbury, N. 37° 00′, E. 15° 07′	29.74	755.3	68.5	20.3	81	sw.	.....	.....	4	.....	0	.....	.....	0	0	mod.	sw.	clear.
Bk. Saga, N. 50° 15′, W. 19° 30′	.....	.....	40	7.8	.....	.....	.....	.....	5–6	.....	5	.....	n.	5½ hr	5½ hr	5	.....	squally.
Bk. Sunbeam, N. 23° 27′, W. 27° 10′†	30.10	764.5	72	22.2	80	sse.	.....	.....	5	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bgt. Sunlight, N. 30° 05′, W. 62° 00′†	29.98	761.5	.....	.....	.....	sw.	.....	.....	4	.....	1	.....	wsw.	2 h'r	2 h'r	sm'h	.....	clear.
S. St. David, Mersey river, Eng*†	30.02	762.5	63	17.2	83	ese.	.....	.....	2	.....	3	.....	ese.	0	0	.....	.....	hazy.
Bk. Silica, N. 61° 09′, W. 48° 28′*	29.77	756.1	.....	.....	.....	e.	.....	.....	4	.....	.....	.....	.....	0	0	.....	.....	clear.
Bg. Teneriffe, N. 25° 41′, W. 77° 30′	.....	.....	.....	.....	.....	nnw.	.....	.....	6	.....	10	.....	.....	4 h'r	4 h'r	.....	.....	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.10	764.5	77	25.0	.....	sw.	.....	.....	2	.....	1	.....	sw.	4 h'r	4 h'r	.....	.....	clear.
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, St. Helena Island, Africa	29.85	758.2	75	23.9	77	e.	9	4.0	.....	.....	5	.....	ese.	0	0	sm'h	.....	fair.
H. M. S. Amethyst, Rio de la Plata	29.77	756.1	63.5	17.5	88	n.	.....	.....	5	.....	1	sw.	.....	.....	.....	1	n.	blue sky.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.04	763.0	68	20.0	.....	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Cape of Good Hope, Cape Colony	30.05	763.3	78	25.6	69	se.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
Bk. Aureola, S. 1° 13′, W. 26° 00′†	30.06	763.5	68	31.1	69	sse.	.....	.....	1	.....	3	.....	.....	0	0	mod.	sse.	clear.
Bk. Achille F., S. 36° —′, W. 54° 45′ *†	30.01	762.2	59.5	15.3	97	n.	.....	.....	3	.....	3	.....	nw.	0	0	.....	.....	
S. Gatherer, S. 50° 55′, W. 61° 15′†	29.40	746.7	40	4.4	91	ne.	.....	.....	6	.....	8	.....	ne.	0	0	.....	ne.	cloudy.
S. Ringleader, S. 30° 50′, W. 31° 30′†	30.03	762.7	70	21.1	95	nw.	.....	.....	4	.....	10	.....	nw.	3 h'r	3 h'r	long	s.	squally.
S. S Archimedes, (Br.) S. 0° 19′, W. 31° 02′	29.94	760.5	.....	.....	.....	calm	.....	.....	0	.....	2	.....	ne.	½ h'r	½ h'r	light	ssw.	fair.
Bk. Xenia, S. 42° 16′, E. 14° 02′*†	30.12	765.0	58	14.4	.....	wnw.	.....	.....	5	.....	10	.....	wnw.	0	0	mod.	w.	cloudy.
H.P.M.S. Rainha de Portugal, Mossamedes, Benguela	29.83	757.6	78.8	26.0	69	wnw.	.....	.....	3	.....	1	.....	.....	0	0	3	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, N. 57° 40′, W. 136° 20′†	29.62	752.3	47	8.3	92	ese.	.....	.....	1	.....	10	.....	.....	.....	.....	.....	.....	light rain.
U. S. Naval Hospital, Yokohama, Japan	.....	.....	54	12.2	21	s.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S Alert, Shanghai, China	29.90	759.4	69	20.6	80	s.	.....	.....	2	.....	8	.....	s.	.....	.....	.....	.....	cloudy.
U. S. S. Enterprise, Canton, China	29.94	760.5	77	25.6	91	sse.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	cloudy.
U. S. S. Essex, N. 14° 05′, E. 161° 17′	29.97	761.2	81	27.2	83	ne.	.....	.....	5	.....	2	.....	ne.	.....	.....	sm'h	ne.	clear.
U. S. S. Juniata, Fernande Island, Corea	29.98	761.5	48	8.9	92	s.	.....	.....	2	.....	10	.....	.....	light	light	.....	.....	cloudy.
U. S. S. Monocacy, Canton, China	29.99	761.7	70	24.4	91	sse.	.....	.....	2	.....	10	.....	.....	light	light	.....	.....	cloudy.
U. S. S. Ranger, Fonseca Bay, C. A	30.00	762.0	81	27.2	83	calm	.....	.....	0	.....	8	.....	.....	0.35	8.9	sm'h	.....	cloudy.
U. S. S. Trenton, N. 1° 18′, E. 104° 06′	29.87	758.7	86	30.0	88	ene.	.....	.....	3	.....	2	.....	.....	.....	.....	sm'h	.....	fair.
H. M. S. Audacious, Hong Kong, China	29.97	761.2	73	22.8	95	e.	.....	.....	2	.....	10	.....	e.	.....	.....	.....	.....	misty.
H. M. S. Cleopatra, N. 37° 39′, E. 126° 35′	29.97	761.2	57	13.9	94	se.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	I	misty.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	29.99	761.7	65.4	18.6	86	calm	.....	.....	0	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. P. M. S. Tamega, Macao, China	30.00	761.9	75.2	24.0	87	e.	.....	.....	5	.....	10	.....	.....	0	0	.....	.....	d. clouds.
U. S. S. Palos, Shanghai, China	29.88	758.9	65	18.3	93	ssw.	.....	.....	3	.....	5	.....	calm	.....	.....	.....	.....	fair.
S. S. Newbern, N. 25° 54′, W. 113° 26′	.....	.....	62	16.7	83	nw.	.....	.....	3	.....	5	.....	nw.	0	0	small	wnw.	fair.
S. S. City of Chester, near Cape Mendocino, Cal†	30.12	765.0	52	11.1	93	sw.	.....	.....	2	.....	10	.....	.....	0	0	h'vy	sw.	
S. S. Willamette, N. 48° 14′, W. 124° 55′†	29.91	759.7	51	10.6	93	ssw.	.....	.....	4	.....	5	.....	s.	0.04	1.0	mod.	s.	fair.
S. S. Alameda, Honolulu, Sandwich Islands†	30.08	764.0	69	20.6	.....	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	
S. S. State of California, N. 38° 20′, W. 124° 00′†	30.15	765.8	53	11.7	86	sw.	.....	.....	3	.....	4	.....	w.	0	0	long	sw.	fair.
S. S. City of Pekin, N. 42° 14′, W. 134° 50′†	30.08	764.0	52	11.1	73	wnw.	.....	.....	0	.....	5	.....	wnw.	0	0	r'gh	wnw.	fair.
S. S. City of Rio de Janeiro, N. 32° 18′, E. 133° 03′†	30.20	767.1	63	17.2	.....	s.	.....	.....	4	.....	9	.....	se.	.....	.....	small	ssw.	fair.
S. S. City of Tokio, N. 37° 50′, E. 179° 37 †	30.12	765.0	52	11.1	80	n.	.....	.....	4	.....	10	.....	ne.	4 h'r	4 h'r	h'vy	n.	cloudy.
S. S. Colima, Panama, Panama †	29.97	761.2	75	23.9	81	nnw.	.....	.....	2	.....	7	.....	calm	0	0	.....	.....	cloudy.
S. S. San Blas, Acapulco, Mexico†	29.98	761.5	79	26.1	91	calm	.....	.....	0	.....	3	.....	ne.	0	0	.....	.....	clear.
S. S. San José, N. 19° 05′, W. 105° 18′ †	29.97	761.2	76	24.4	91	nw.	.....	.....	3	.....	0	.....	.....	0	0	.....	wnw.	clear.
S. S. Zealandia, N. 8° 26′, W. 102° 59′	30.04	763.0	79	26.1	78	var.	.....	.....	4	.....	4	.....	.....	.....	.....	.....	.....	fair.
S. S. Benalder, N. 29° —′, E. 123° 15′	30.00	762.0	65	18.3	84	se.	.....	.....	4	.....	4	.....	sw.	0	0	light	se.	clear.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao, Peru	30.02	762.5	69	20 6	95	sse.	.....	.....	2	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.99	761.7	70	21.1	85	s.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao, Peru *†	30.10	764.5	70	21.1	90	sse.	.....	.....	3	.....	10	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili	29.99	761.7	62	16.7	74	calm	.....	.....	0	.....	10	.....	n.	.....	.....	.....	.....	cloudy.
U. S. S. Shenandoah, S. 50° 08′, W. 74° 38′*	29.08	738.6	47	8.3	92	nne.	.....	.....	3	.....	10	.....	calm	.....	.....	sm'h	.....	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	29.99	761.7	62	16.7	94	nne.	.....	.....	2	.....	10	.....	calm	.....	.....	long	.....	cloudy.
H. M. S. Nelson, Sydney, N. S. W	29.85	758.2	61	16.1	94	n.	.....	.....	3	.....	5	n.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, Valparaiso, Chili	29.94	760.5	62	16.7	94	calm	.....	.....	0	.....	8	nw.	.....	.....	.....	2	nw.	showery.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.97	761.2	59	15.0	.....	calm	.....	.....	0	.....	4	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, S. 33° 54′, E. 152° 55′*	29.78	759.4	70	21.1	90	nne.	.....	.....	6	.....	0?	.....	.....	0	0	mod.	ne.	cloudy?
District No. 5—Indian Ocean.																		
U. S. S. Richmond, S. 2° 50′, E. 105° 56′	29.80	758.4	81	27.2	96	ne.	.....	.....	2	.....	5	.....	ne.	0	0	sm'h	.....	fair.
H. M. S. Euryalus, Massuah, Abyssinia	29.80	756.9	83	28.3	79	sw.	.....	.....	2	.....	10	calm	.....	.....	.....	.....	.....	showery.
H. M. S. Magpie, S. 4° 42′, E. 55° 55′	29.80	756.9	84.5	29.2	70	calm	.....	.....	0	.....	7	n.	.....	.....	.....	2	sse.	d. clouds.
H. M. S. Myrmidon, Suakin, Egypt	29.79	756.7	85	29.4	87	e.	.....	.....	2	.....	7	e.	.....	.....	.....	.....	.....	d. clouds.
Bk. Childwall off Kingston, N. S. W*.	29.53	750.0	59	15.0	82	w.	.....	.....	5	.....	5	.....	w.	0	0	.....	.....	fine.
S. Frank N. Thayer, S. 41° 06′, E. 20° 01′*	30.04	763.0	65	18.3	73	nw.	.....	.....	5	8 ck	.....	wnw.	.....	0	0	mod.	wsw.	d. clouds.
S. J. W. Gildemeister, S. 26° 12′, E 49° 48′	30.18	766.6	71.6	22	66	sse.	.....	.....	6	.....	5 km	.....	.....	0	0	6	sse.	squally.
Bk. Nouva Margherita, S. 22° 12′, E. 74° 13′ *†	29.89	759.2	.....	.....	.....	ne.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	
S. S. Lepanto, Bombay, India	29.77	759.1	84	28.9	.....	nne.	.....	.....	2	.....	2	.....	e.	0	0	.....	s.	fair.
													n.	0	0	.....	.....	clear.

International Chart I. April 24, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

SIGNAL SERVICE U.S. ARMY

By Order of the Secretary of War.
W. B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 25, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind.		Clouds. Direction.		Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	29.87	758.8	69.1	20.6	74	w.	.....	.....	1	.....	3	.....	.....	0.047	1.2	pretty fair...	Roziere.
Algiers	.....	.....	29.82	757.3	63.7	17.6	49	w.	.....	.....	7	.....	0	.....	.....	0.087	2.2	clear.....	Thève.
La Calle	.....	.....	29.74	755.3	63.7	17.6	82	nw.	.....	.....	4	.....	2	.....	.....	0	0	fair.....	Fonfrède.
Tunis	.....	.....	29.78	756.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.87	758 8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.86	758.5	73.4	23.0	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	clear.....	Abraham.
Biskra	.....	.....	29.84	758.0	75.9	24.4	14	nw.	.....	.....	1	.....	2	.....	.....	0	0	fair.....	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	29.88	758 9	56.3	13.5	91	n.	11	4.9	.....	.....	10 k;n	.....	.....	0.387	9.8	light rain....	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.31	744.5	29.50	749.3	59	15.0	78	nw.	10	4.5	.....	.....	3	.....	W.	0	0	clear.....	Com. J. Shortt, R.N.
Melbourne, Victoria	29.66	753.3	29.75	755.6	55.9	13.3	83	wnw.	6	2.7	.....	.....	4	.....	.....	0.13	3.3	fine.....	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	28.95	735.3	29.48	748.9	61.3	16.3	52	sw.	.....	.....	5	.....	8	.....	.....	0.008	0.2	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.82	732.1	29.58	751.4	52.2	11.2	73	nnw.	0.7	0.3	.....	.....	10	.....	.....	0.063	1.6	.....	Dr. Wierzbiski
Eperies	28.72	729.5	29.58	751.2	60.8	16.0	59	calm	.....	.....	0	cs	5 s	.....	.....	inap.	inap.	.....	Julius Mikolik.
Gratz	28 35	720.2	29.59	751.5	54.0	12.2	75	se.	.....	.....	1	.....	10	.....	.....	0.291	7.4	.....	Andreas Rospini.
Hermannstadt	28.21	716.6	29.60	751.8	60.4	15.8	56	sse.	.....	.....	4	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.26	717.7	29.61	752.1	42.8	6.0	88	nw.	.....	.....	1	.....	10	.....	.....	0.209	5.3	.....	The Staff.
Lemberg	28.76	730.4	29.75	755.7	44.6	7.0	84	se.	.....	.....	3	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.43	747.5	29.54	750.3	64.8	18.2	74	s.	.....	.....	2	.....	6	.....	.....	0.094	2.4	.....	I. R. Hydrographic Office.
Szathmar	29.08	738.6	29.53	750.0	66.7	19.3	47	s.	.....	.....	3	.....	2	.....	.....	0.008	0.2	.....	Joseph Midlinsky, S. J
Szegedin	29.26	743.2	29.54	750.2	59.4	15.2	81	s.	.....	.....	1	.....	6	.....	.....	0.429	10.9	.....	Karl Stancel.
Trieste	29.47	748.5	29.57	751 0	57.0	13.9	70	nw.	.....	.....	2	.....	10	.....	.....	0.543	13.8	.....	Royal Academy.
Vienna	28.88	733.6	29.00	751.9	46.6	8.1	93	calm	.....	.....	0	.....	10	.....	.....	0.303	7.7	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	41.9	5.5	77	ne.	.....	.....	4	.....	3	.....	.....	0.012	0.3	.....	
Brussels	29.59	751.5	29.79	756.7	44.6	7.0	52	ne.	.....	.....	4	.....	10	.....	ne.	0	0	.....	
Furnes	29.80	756 9	29.82	757.4	.....	.....	.....	ne.	.....	.....	2	.....	2	.....	.....	0	0	.....	
Maeseyck	29.63	752.6	29.76	755.8	48.7	9.3	57	ne.	.....	.....	2	.....	7	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.87	758.7	29.97	761.2	43.9	6.6	64	se.	14	6.3	.....	.....	2	.....	.....	0	0	blue sky.....	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.93	760.2	42.2	5.7	70	ese.	3	1.3	.....	.....	10	.....	.....	.....	.....	overcast.....	John Harnup.
Bolton, Sharples	29.38	746.2	29.92	760.0	43.4	6.3	71	e.	.....	.....	.....	.....	10	.....	.....	.....	.....	overcast.....	Thomas Mackereth.
Bradford, Yorkshire	29.52	749.8	29.92	760.0	42.1	5.6	71	ne.	.....	.....	2	.....	10	.....	.....	0	0	overcast.....	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.95	760.7	29.98	761.5	82.0	27.8	71	ne.	.....	.....	1	.....	3	.....	.....	.....	.....	d. clouds....	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	47.0	8.3	62	ne.	.....	.....	0.6	.....	7	.....	.....	.....	.....	d. clouds...	John McLaren.
Chatham, School M. E	29.68	753.9	29.86	758.4	47.3	8.5	70	e.	.....	.....	1	.....	9	.....	.....	blank	blank	gloomy.....	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.65	753.1	29.88	758.9	48.0	8.9	63	ene.	.....	.....	2	.....	1	.....	.....	.....	.....	blue sky.....	The Staff.
Fort Napier, Natal	27.74	704.6	30.05	763.3	74.2	23.4	83	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	gloomy.....	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.80	756.9	29.84	757.9	51	10.6	68	ne.	.....	.....	1	.....	3	.....	.....	0	0	blue sky.....	Wm. Ryan.
Gibraltar, Mediterranean	29.83	757.7	29.93	760.2	59.8	15.4	88	w	.....	.....	3	.....	4	.....	.....	.....	.....	blue sky.....	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.70	754.4	29.87	758.7	44.8	7.1	76	ese.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	The Staff.
Guernsey	29.53	750.0	29.83	757.7	48.0	8.9	81	ne.	.....	.....	2	.....	7	.....	.....	0.01	0.3	threatening	A. Collenette, F.R.M.S
Kew, Observatory	29.54	757.9	29.88	758.9	45.8	7.7	63	ne.	9	4.0	.....	.....	10	.....	.....	.....	.....	threatening	The Staff.
Leicester, Museum	29.64	752.8	29.90	759.4	45.0	7.2	68	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast.....	J. C. Smith.
Malta, Mediterranean	29.62	752.3	29.69	754.1	65.2	18.4	64	nw.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds.....	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.96	761.0	30.01	762.2	72.0	22.2	62	nw.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds....	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.65	753.1	29.88	758.9	49.3	9.6	55	ne.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds....	The Staff.
Plymouth	29.79	756.7	29.87	758.7	50.9	10.5	52	ene.	.....	.....	2	.....	5	.....	.....	.....	.....	d. clouds....	John Merrifield.
Sandwick Manse, Orkneys	29.82	757.4	29.92	760.0	46	7.8	62	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky.....	Rev. C. Clouston L.L.D
Scutari Cemetery, Turkey	29.64	752.8	29.70	754.4	66.2	19.0	66	ne.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds....	W. H. Lyne.
Sheffield	29.65	753.1	29.93	760.2	48.4	9.1	67	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	overcast.....	W. F. Cooper.
Silloth Rectory	29.90	759.4	29.93	760.2	44.8	7.1	80	e.	.....	.....	1	.....	10	.....	.....	0	0	overcast.....	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.93	760.2	47.0	8.3	48	ene.	5	2.2	.....	.....	6	.....	.....	0	0	d. clouds....	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	49.0	9.4	57	se.	.....	.....	1.0	.....	8	.....	.....	.....	.....	d. clouds....	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.88	756.9	29.91	759.7	53.5	11.9	59	sse.	12	5.4	.....	.....	3	.....	.....	.....	.....	misty.....	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.34	745.2	29.72	754.9	63.0	17.2	61	nw.	18.6	8.3	.....	2 c	0	.....	.....	0	0	clear.....	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.82	757.4	29.93	760.2	76.0	24.4	90	s.	12	5.4	.....	.....	3 k	.....	s.	0	0	d. clouds....	The Staff.
CANADIAN.																			
Bathurst, N. B	29.90	759.4	29.94	760.5	38.0	3.3	.....	calm	0	0	.....	2 c	0	nw.	.....	0	0	blue sky.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.95	760.7	29.99	761.7	45	7.2	81	se.	6	2.7	.....	.....	8 s	.....	sw.	0	0	fair.....	H. J. Cundall, C. E.
Chatham, N. B*	29.91	759.7	29.97	761.2	38	3.3	89	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	G. A. Blair.
Cornwall, Ontario	29.58	751 3	29.77	756.1	44.3	6.8	69	e.	.....	.....	1	6 cs	0	.....	.....	0	0	blue sky.....	Jas. Smith, M. A.
Dalhousie, N. B	29.92	760.0	29.97	761.2	37.0	2.8	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	H. A. Johnson.
Father Point, Quebec*	29.89	759.2	29.91	759.7	40	4.4	92	w.	2	0.9	.....	1 c	0	.....	.....	0	0	clear.....	J. McWilliams
Fort Garry, Manitoba*	28.94	735.1	29.78	756.4	42	5.6	71	se.	12	5.4	.....	7 cs	3 n	nw.	.....	0	0	hazy.....	James Stewart.
Fredericton, N. B	29.89	759.2	29.96	761.0	40.1	4.5	82	e.	2	0.9	.....	0	0	.....	.....	0	0	blue sky.....	Dr. Thos. Harrison.
Grand Manan, N. B	29.87	758.7	29.93	760.2	41	5.0	92	e.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy.....	J. Chipman Seeley
Granton, Ontario	28.79	731.3	29.91	759.7	41.0	5.0	74	calm	0	0	.....	0	0	.....	.....	0	0	blue sky.....	Jas. Grant.
Halifax, N. S*	29.87	758.7	30.00	762.0	41	5.0	89	e.	12	5.4	.....	7 c	0	.....	.....	0	0	cloudy.....	A. Allison.
Hamilton, Ontario	29.43	747.5	29.84	757.9	44.5	6.9	84	ne.	.....	.....	1	0	0	.....	.....	0	0	blue sky.....	Geo. Dickson, B. A.
Kingston, Ontario*	29.47	748.5	29.81	757.2	46	7.8	68	ne.	8	3.6	.....	2 ck	0	ne.	.....	0	0	fair.....	A. P. Knight, M. A
Little Glace Bay, N. S	30.02	762.5	30.06	763.5	40.5	4.7	87	s.	.....	.....	2	7 ck	0	sw.	.....	0	0	d. clouds.....	C. H. Rigby.
London, Ontario	28.99	736.3	29.91	759.7	39.0	3.9	80	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky.....	E. B. Reed.
Medicine Hat, N. W. T	27.38	695.4	29.70	754.4	33	0.6	96	s.	15	6.7	.....	0	8 n	.....	.....	0	0	cloudy.....	John Ewart.
Minnedosa, N. W. T	27.75	704 8	29.68	753.9	40	4.4	80	s.	8	3.6	.....	.....	10 ks	nw.	.....	0	0	cloudy.....	Rev. J. M. Wellwood.
Montreal, Quebec*	29.61	752.1	29.82	757.4	43	6.1	71	ne.	2	0.9	.....	5 cs	5 s	.....	.....	0	0	cloudy.....	C. H. McLeod, C. E.
Ottawa, Ontario	29.60	751.8	29.82	757.4	45.1	7.3	63	n.	.....	.....	.....	0	0	.....	.....	0	0	blue sky.....	A. McGill, M. A.
Parry Sound, Ontario*	29.18	741.2	29.88	758.9	39	3.9	82	n.	2	0.9	.....	0	0	.....	.....	0	0	clear.....	Rev. R. Mosley.
Peterboro, Ontario	29.10	739.1	29.84	757.9	44.7	7.1	56	ne.	.....	.....	1	2 cs	0	ne.	.....	0	0	d. clouds.....	Wm. O'Connor, M.A.
Port Arthur	29.19	741.4	29.90	759.4	41	5.0	65	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	W. P. Cooke.
Port Dover, Ontario	29.15	740 4	29.85	758.2	44	6.7	84	n.	6	2.7	.....	0	0	.....	.....	0	0	clear.....	H. Morgan.
Port Stanley, Ontario	29.23	742.4	29.88	758.9	41	5.0	65	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27.34	694.4	29.53	750.0	53	11.7	.....	calm	0	0	.....	0	8 k	.....	W.	0.50	12.7	cloudy.....	Leslie Gordon.
Quebec, Quebec*	29.52	749.8	29.88	758.9	43	6.1	76	n.	8	3.6	.....	10 c	0	.....	.....	0	0	fair.....	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.41	747.0	29.88	758.9	35	1.7	72	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear.....	W. H. McIntyre.
St. Andrews, N. B	29.85	758.2	29.90	759.4	43	6.1	85	e.	4	1.8	.....	.....	10 n	.....	.....	0	0	cloudy.....	
St. John, N. B	29.70	754.4	29.94	760.5	43.9	6.6	80	e.	12	5.4	.....	4 k	4 ks	sw.	.....	0.273	6.9	cloudy.....	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.08	764.0	42.8	6.0	.....	e.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.17	740.9	29.90	759.4	40	4.4	73	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	
Stratford, Ontario	28.59	726.2	29.88	758.9	43.6	6.4	56	n	4.0	1.8	.....	0	0	.....	.....	0	0	blue sky.....	W. McBride, A.M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
Canadian.—Continued.																			
Sydney, C. B*	30.00	762.0	30.06	763.5	38	3.3	88	calm	0	0	.....	0	0	.....	.....	0	0	clear	**T. C. Hill, C.E.**
Toronto, Ontario*	29.48	748.8	29.86	758.4	46	7.8	51	n.	16	7.2	.....	0	0	.....	.....	0	0	clear	**Magnetic Observatory.**
Woodstock, Ontario	28.82	732.0	29.90	759.4	42.8	6.0	62	n.	1.0	0.4	.....	0	0	.....	.....	0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.77	756.1	29.84	757.9	41	5.0	92	e.	8	3.6	.....	.....	10 n	.....	se.	0.68	2.0	light rain	Lt. F. E. Wilmot, R. N.
Cape Colony.																			
Cape St. Francis Lt.House	29.97	761.2	30.00	762.0	67.0	19.4	95	ne.	.....	.....	.....	0	0	.....	.....	0	0	fine	I. Garfelt.
Cape Town, The Castle	29.88	758.9	.....	.....	75.5	24.2	50	ene.	.....	.....	2	c	3 s	.....	.....	0	0	.....	**Capt. R. Gardner Warton**
Springbok Fontein	27.89	708.4	.....	.....	72	22.2	51	.....	.....	.....	.....	.....	.....	.....	.....	0.14	3.6	.....	J. T. Eustace
Chilian.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Rafael Moreno.**
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Federico Köhling.**
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Manuel Tobar.**
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	**Francisco Alvarado.**
Quiriquina	.....	.....	.....	.....	59.9	15.5	92	w.	.....	.....	6	10 n	.....	w.	.....	0.118	3.0	cloudy	**Leon Herrera.**
Valparaiso	29.86	758.4	30.00	762.0	60.8	16.0	94	s.	.....	.....	1	c	s	.....	.....	0.055	1.4	cloudy	**Paez-i-Ampuero.**
Chinese (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.63	752.5	29.65	753.1	64.2	17.9	90	s.	10.5	4.7	.....	.....	10	.....	.....	0.098	2.5	covered	**M. Marc Dechevrens, S. J**
Danish.																			
Copenhagen	29.68	753 8	29.72	755.0	39.4	4.1	92	se.	13	6.	.....	.....	10	.....	.....	.....	.....	raining	**Oversergent Fischer.**
Fanöe	29.74	755.3	29.76	755.8	41.9	5.5	72	ne.	.....	.....	4	.....	9	.....	.....	.....	.....	.....	**Overloerer Lauridsen.**
Godthaab, Greenland	29.43	747.5	29.47	748.6	14.9	— 9.5	91	nw.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	**S. Kleinschmidt.**
Ivigtut, Greenland	29.35	745.4	29.37	745.9	34.3	1.3	.....	calm	.....	.....	0	.....	10	.....	.....	.....	.....	snowing	
Stykkisholm, Iceland	29.73	755.2	29.78	756.3	37.6	3.1	79	e.	.....	.....	6	.....	5	.....	.....	.....	.....	.....	**A. O. Thoriacius.**
Thorshavn	29.80	756.9	29.82	757.5	50.0	10.0	87	ssw.	9	4.	.....	.....	7	.....	.....	.....	.....	.....	**Overloerer Bergh.**
Upernavik, Greenland	29.17	740.8	29.21	742.0	8.1	—13.3	.....	calm	.....	.....	0	.....	6	.....	.....	.....	.....	.....	
Vestervig	29.72	754.8	29.81	757.1	46.2	7.9	49	ne.	.....	.....	6	.....	5	.....	.....	.....	.....	.....	**Loerer Oesterbol.**
Egyptian.																			
Cairo	29.67	753.6	.....	.....	98.6	37.	.....	s.	3.4	1.5	.....	0	0	.....	.....	0	0	.....	**Albert Ismalun, Dir.**
French.																			
Agen, Normal School	29.02	737.2	29.67	753.7	55.4	13	55	wnw.	.....	.....	1	10 c	.....	nw.	.....	.....	.....	sprinkling	M. Labroue, Director.
Alençon, Normal School	29.20	741.6	29.75	755.6	50.7	10.4	84	nw.	.....	.....	6	.....	5 k	.....	se.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.55	750.5	29.80	756.8	47.1	8.4	44	ene.	.....	.....	8	.....	5	.....	e.	0	0	cloudy	**M. Ungerer, Director.**
Avignon, Normal School	29.49	749.1	29.57	751.1	61.5	16.4	44	nnw.	.....	.....	1	.....	5	.....	nw.	0	0	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.15	740.4	29.71	754.5	50.7	10.4	49	e.	.....	.....	1	.....	8	.....	e.	0	0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.52	749.8	29.79	756.6	49.6	9.8	42	ne.	.....	.....	2	.....	8	.....	ne.	0	0	very cloudy	M. Frere Eugène Marie.
Besançon, Normal School	28.71	729.2	29.60	751.8	50.0	10.	62	ne.	.....	.....	4	.....	kn	.....	sw.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.38	746.2	29.64	752.8	51.1	10.6	68	wnw.	.....	.....	1	.....	10	.....	.....	0.051	1.3	sprinkling	M. Rayet, Director.
Bourges, Normal School	29.13	739.8	29.69	754.0	50.9	10.5	33	ne.	.....	.....	2	.....	2	.....	ne.	0	0	slightly cl'dy	M. **Sauvageot, Director.**
Brest, Naval Observatory	29.63	752.5	29.87	758.6	49.3	9.6	66	nne.	.....	.....	2	.....	7	.....	nne.	0	0	.....	M. de Kermarec, Dir.
Caen, Normal School	29.69	754.2	29.77	756.1	52.2	11.2	85	ne.	.....	.....	1	.....	2	.....	ne.	0	0	slightly cl'dy	M. Berson, Director.
Châlone-sur-Marne, N.Sch'	29.40	746 7	29.72	754.8	54.3	12.4	67	ne.	.....	.....	2	.....	2	.....	.....	0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.24	742.8	29.76	756.0	42.4	5.8	50	e.	.....	.....	1	.....	8	.....	.....	0	0	¾ covered	M. **Noël, Director.**
Clermont-Ferrand Obs'y	28.27	718.0	29.61	752.0	53.8	12.1	49	n.	.....	.....	1	.....	5	.....	.....	0	0	.....	M. Alluard, Director.
Cluny, Normal School	28.80	731.6	29.70	754.4	54.6	12.4	43	ne.	.....	.....	2	.....	0	.....	ne.	0	0	.....	M. de Villemonté, Dir.
Commercy, Normal School	28.91	734.4	29.77	756.2	47.3	8.5	47	n.	.....	.....	1	.....	kn	n.	n.	0	0	.....	Dr. Coulet, Director.
Gap, Normal School	27.02	686.4	29.50	749.2	57.2	14	62	n.	.....	.....	1	.....	2 n	.....	.....	0	0	.....	M. Jarach, Director.
Gréasque, du Rhone	28.43	722.2	29.54	750.2	58.5	14.7	58	sw.	.....	.....	2	.....	3	.....	sw.	0.024	0.6	.....	M. Kinn, Director.
Grenoble, Normal School	28 80	731.4	29.54	750.4	60.4	15 8	53	nw.	.....	.....	6	.....	k	.....	n.	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28.10	713.8	29.68	753.9	49.3	9.6	61	ne.	.....	.....	1	.....	cn	.....	ne.	0	0	.....	M. Delorme, Dir.
Lamballe Normal School	29.53	750.0	29.80	757.0	48.9	9.4	48	ne.	.....	.....	1	.....	5 kn	.....	ne.	0	0	cloudy	**M. Polipre, Dir.**
Lescar, Normal School	29.10	739.1	29.67	753.6	52.0	11.1	68	w.	.....	.....	6	.....	10 kn	.....	w.	0.354	9.0	raining	M. Chauvin, Director.
Lorient, Naval Observatory	29.70	754.4	29.80	757.0	57.2	14.0	95	ene.	.....	.....	2	.....	5	.....	s.	0	0	½ covered	**Lt. T. Carre, Director.**
Lyon, St. Genis-Laval	28.58	725.9	29.62	752.4	53.1	11.7	38	ne.	.....	.....	1	.....	5 n	.....	w.	0	0	cloudy	M. **André, Director.**
Mans, Normal School	29.42	747.3	29.73	755.1	49.5	9.7	56	ne.	.....	.....	4	.....	5 kn	.....	ne.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.28	743.7	29.55	750.5	62.8	17.1	51	wnw.	.....	.....	2	.....	2	.....	wnw.	0.055	1.4	.....	M. Stephan, Director.
Montlouis	24.41	620.0	29.25	743.0	37.4	3.0	83	w.	11.2	5.0	.....	.....	10	w.	.....	0.339	8.6	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.43	747.5	29.54	750.3	62.6	17.	70	wnw.	.....	.....	4	.....	2?	nw.	.....	.....	.....	raining?	M. Galzin, Director.
Nancy, Normal School	28.90	734 0	29.68	753.9	49.6	9.8	44	nnw.	.....	.....	1	ck	.....	.....	.....	0	0	.....	**M. Hasse, Director.**
Nantes, Observatory	29.61	752.0	29.77	756.2	53.1	11.7	35	ne.	.....	.....	1–2	c	4 k; kn	.....	ne.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29.49	749.1	29.60	751.9	60.3	15.7	61	nw.	3.8	1.7	.....	.....	10	.....	w.	0.591	15.0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20.80	528.2	.....	.....	28.0	— 2.2	.....	sw.	.....	.....	1	.....	.....	.....	sw.	1.173	29.8	.....	**M. Vaussenat, Director.**
Privas, Normal School	28.51	724 2	29.56	750 7	59.5	15.3	19	e.	.....	.....	1	.....	2	.....	.....	0	0	slightly cl'dy	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.74	628 3	.....	.....	31.1	— 0.5	91	ene.	.....	.....	2	.....	5	.....	.....	0.008	0.2	.....	M. Alluard.
Rochefort, Naval Obs'y	29.65	753.1	29.68	753.9	58.5	14.7	44	nne.	.....	.....	4	.....	5	.....	nne.	0	0	½ covered	**Lt. E. Decante, Director.**
Roche-sur-Yon, N. School	29.47	748.4	29.68	753.8	50.7	10.4	54	ne.	.....	.....	1	.....	.....	nw.	nw.	0	0	.....	M. Brotlier, Director.
Rodez, Normal School	27.45	697.3	29.59	751.6	52.9	11.6	75	n.	.....	.....	1	.....	10	.....	e.	0.083	2.1	raining	M. Seger, Director.
Rouen, Normal School	29.76	755 8	29.80	757.0	52.9	11.6	46	e.	.....	.....	1	.....	2	.....	ne.	0	0	slightly cl'dy	M. Mouillot, Dir.
Saint Maur, Observatory	29.60	751.7	29.76	755.9	51.3	10.7	33	ne.	.....	.....	2	.....	2	.....	ne.	0	0	slightly cl'dy	M. Renou, Director.
Toulouse, Observatory	28 93	734.9	29.65	753.0	56.3	13.5	76	nw.	.....	.....	2	.....	10	nw.	.....	0.079	2.0	covered	M. Bailland, Director.
Tours	29.54	750 4	29.72	755.0	54.7	12.6	45	ene.	.....	.....	2	.....	5	ese.	e.	0	0	cloudy	M. de Tastes.
Versailles, Observatory	29.27	743.5	29.76	756.0	49.3	9.6	34	ne.	.....	.....	4	.....	5	.....	.....	0	0	fair	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.53	750.0	29.68	753.8	52.7	11.5	73	w.	11.9	5.3	.....	.....	9 kn	.....	wnw.	0.154	3.9	.....	M. Carlier, Director.
German.																			
Ansbach	28.21	716.6	29.67	753.6	45.3	7.4	33	n.	.....	.....	2	.....	3	n.	.....	0	0	.....	Prof. Juedt.
Bamberg	28.82	731 9	29.65	753.0	46.8	8.2	56	w.	.....	.....	1	.....	0 k	.....	w.	0	0	.....	Prof. Dr. Hoh.
Berlin	29.53	750.0	29.67	753.7	43.9	6.6	71	w.	.....	.....	1	.....	10	.....	.....	0.673	17.1	.....	**Meteorological Institute**
Breslau	29.14	740.1	29.66	753.4	50.2	10.1	69	ese.	.....	.....	4	.....	7	ssw.	.....	0	0	.....	**Royal University Obs'y**
Carlsruhe	29.22	742.3	29.68	753.9	47.8	8.8	47	n.	.....	.....	1	.....	4	ne.	.....	0	0	.....	**Albert Senz.**
Cassel	28.98	736.0	29.69	754.1	42.8	6.0	59	n.	.....	.....	2	.....	8	n.	.....	0.043	1.1	snowing	Dr. H. Möhl.
Frankfort-on-the-Main	29.32	744.6	29.68	753.8	50.5	10.3	51	n.	.....	.....	1	.....	8	.....	.....	0	0	.....	**Physical Society.**
Friedrichshafen	28.19	716.1	29.60	751.7	51.4	10.8	52	w.	.....	.....	2	.....	6	w.	.....	0	0	.....	**Wilhelm, Chief Tel.**
Hamburg	29.61	752.1	29.70	754 4	40.6	4.8	76	n.	.....	.....	3	.....	10	.....	.....	0.276	7.0	raining	E. Preller.
Kiel	29.68	753.8	29.69	754 2	39.6	4.2	87	nne.	.....	.....	2	.....	10	.....	.....	0.201	5.1	.....	Prof. Dr. G. Karsten.
Leipsic, Astrom'l Obs'y	29.27	743 4	29.69	754.1	43.9	6.6	64	nw.	.....	.....	1	.....	9	nnw.	.....	0.161	4.1	.....	H. Leppig, Asst.
Magdeburg	29.50	749.2	29.68	753.9	43.9	6.6	67	nw.	.....	.....	1	.....	10	w.	.....	0.043	1.1	.....	**Weather Observatory.**
Memel	29.85	758.2	29.90	759.4	41.9	5.5	77	se.	.....	.....	3	.....	10 s	.....	.....	.....	.....	.....	Issermann.
Munich	27.79	705 9	29.63	752.6	43.9	6.6	58	n.	.....	.....	2	.....	7	nw.	.....	0.091	2.3	.....	**Central Station.**
Neufahrwasser	29.77	756.1	29.80	756.8	41.7	5.4	86	ne.	.....	.....	2	.....	5	ene.	.....	0.197	5.0	.....	A. Lothes.
Neustadt, Palatinate	29.13	740.0	29.65	753.2	49.1	9.5	51	n.	.....	.....	1	.....	7	n.	.....	0	0	.....	**Prof. Dickuether.**
Stuttgart	28.71	729.1	29.60	751.8	48.2	9.0	48	n.	.....	.....	1	.....	7	nw.	.....	0	0	.....	**Dr. L. Meyer.**
Wustrow	29.63	752.5	29.65	753.1	41.9	5.5	86	ene.	.....	.....	2	.....	10 s	.....	.....	0.299	7.6	.....	**Profs. Brandes & Reimer**
Greek.																			
Athens	29.33	745.0	29.70	754.4	76.8	24.9	.....	sw.	.....	.....	1.5	9	.....	.....	.....	0.043	1.1	.....	**Kokkides & Wourlisch.**
Indian.																			
Kurrachee	29.76	755.9	29.81	757.2	83.0	28.3	70	wsw.	26.0	11.6	.....	.....	1	.....	.....	0	0	d. clouds	
Deesa	29.28	743.8	29.74	755.4	96.7	35.9	15	s.	10.0	4.5	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.75	755.5	29.78	756.5	83.6	28.7	72	nw.	15.0	6.7	.....	.....	1	nw.	w.	0	0	d. clouds	
Poona, Yarrowda	27.95	709.8	29.77	756.2	86.3	30.2	25	se.	14.0	6.3	.....	.....	10	.....	.....	0	0	overcast	
Trichinopoly	29.54	750.4	29.82	757.3	96.2	35.7	31	se.	0.1	0.04	.....	.....	4	nne.	nne.	0	0	d. clouds	
Bellary	28.29	718 6	29.72	754.8	94.0	34.4	18	e.	4.0	1.8	.....	.....	3	.....	.....	0	0	d. clouds	
Belgaum	27.28	692.9	29.80	757.0	78.6	25.9	44	wsw.	12.0	5.4	.....	.....	8	.....	w.	0	0	d. clouds	
Lahore	28 98	736 1	29.71	754.6	90.7	32.6	28	n.	8.0	3.6	.....	.....	8	.....	.....	0.02	0.5	d. clouds	
Roorkee	28.79	731.3	29.66	753.4	96.6	35.9	26	calm	0	0	.....	.....	3	.....	.....	0	0	.....	

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec.	0–0	0–10	0–10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Agra	29.14	740.2	29.68	753.9	100.1	37.8	5	sw.	6.0	2.7			3		w.	0	0	d. clouds	
Nagpur	28.72	729.5	29.74	755.3	92.6	33.7	19	se.	6.0	2.7			8		sw.	0	0	d. clouds	
Jubbulpore	28.40	721.3	29.71	754.7	94.5	34.7	15	w	8.0	3.6			10			0	0	overcast	
Lucknow	29.33	744.9	29.69	754.1	99.4	37.4	14	se.	4.0	1.8			0			0	0	blue sky	
Allahabad	29.38	746.2	29.68	753.9	99.6	37.6	13	calm	0	0			0			0	0	blue sky	
Patna	29.53	750.0	29.71	754.6	92.0	33.3	42	ne.	9.2	4.1			0			0	0	blue sky	
Hazaribagh	27.73	704.3	29.68	753.8	91.5	33.1	16	n.	6.0	2.7			4			0	0	d. clouds	
Cuttack	29.69	754.2	29.77	756.2	85.6	29.8	72	wnw.	10.0	4.5			9			0	0		
Calcutta, Alipore	29.74	755.4	29.76	755.9	84.4	29.1	70	ssw.	10.5	4.7			7			0	0	d. clouds	
Chittagong	29.77	756.2	29.86	758.5	82.2	27.9	80	calm	6.4	2.9			3			0	0	d. clouds	
Sibsagar	29.55	750.7	29.90	759.4	70.9	21.6	91	sw.	2.0	0.9			10	w.	w.	0.05	1.3	d. clouds	
Jeypore	28.31	719.0	29.70	754.4	96.2	35.7	11	w.	9.5	4.2			0			0	0	blue sky	
Zanzibar	29.84	757.9			76.3	24.6	84	s.	5.6	2.5			9		sse.			drizzling.	
ITALIAN.																			
Udine	29.13	739.9	29.51	750.2	50.5	10.3	91	e.	3.8	1.7			10			1.067	27.1		Prof. Giovanni Olodig.
Milan	29.01	736.8	29.52	749.8	59.7	15.4	61	s.	4.3	1.9			7	nw.		0.354	9.0		Prof. G.V.Schiapparelli
Padua	29.39	746.5	29.50	749 2	56.8	13.8	75	nw.	8.1	3.6			9	sw.		0.209	5.3		Prof. Dott. Lorenzoni.
Moncalieri	28.60	726.5	29.50	749.2	55.4	13.0	65	e.	4.9	2.2			2	ne.		0	0		Prof. F. F. Denza.
Genoa	29.34	745.1	29.53	750.0	57.2	14.0	70	se.	6.9	3.1			10	s.		0.268	6.8		Prof. G. M. Garibaldi.
Pesaro	29.47	748.5	29.52	749.7	64.9	18.3	55	sw.	8.7	3.9			8	ssw.		0.067	1.7		Prof. Luigi Guidi.
Florence	29.29	744.0	29.54	750.4	56.7	13.7	82	sw.			2		10			0.689	17.5		Prof. Costantino Pittei.
Leghorn	29.41	747.1	29.49	749.1	57.2	14.0	78	sw.	7.4	3.3			9	sw.		0.504	12.8		Prof. P. Monte.
Rome	29.41	747.1	29.59	751.5	65.8	18.8	51	sw.	6.9	3.1			8	sw.		0.079	2.0		Prof. P. Tacchini.
Lecce	29.38	746.3	29.63	752.6	64.4	18.0	67	s.	12.5	5.6			10	s.		0.067	1.7		Prof. C. de Giorgi.
Cosenza	28.82	732.1	29.71	754.5	61.9	16.6	77	sse.	2.5	1.1			10	se.		0.154	3.9		Prof. D. Conti.
Palermo	29.47	748.4	29.71	754.6	66.9	19.4	53	wsw.	8.7	3.9			5	wnw.		0.122	3.1		Prof. G. Caccinatore
Syracuse	29.55	750.5	29.59	751.6	69.8	21.0	65	nne.	11.2	5.0			8	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.15	740.4			59.5	15.3	70	sw.	11.2	5.0			6	ssw.		0.118	3.0		Prof. F. [illegible].
Stelvio	21.68	550.8			37.6	3.1	56	sw.			0		5			0.130	3.3	misty	Prof. P. F. Denza.
Valdobbia	21 72	551.6			36.0	2.2	57	nw.			2		7			0	0	misty	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.06	763.5	30.09	764.4	55.1	12.8	73	sw.			2		10k;ks		sw.	0.153	3.9		H. Hattori.
Awomori	29.98	761.5	30.01	762.2	53.8	12.1	79	ssw.	9.3	4.2			10 n			0.025	0.6	raining	K. Ogawa.
Hakodate	30.01	762.2	30.02	762.5	45.5	7.5	96	ssw.	6.0	2.7			10 n			0.050	1.3	raining	Y. Souma.
Hamamatsu	30.10	764.5	30.20	767.0	57.8	14.3	95	calm			0		9 s		w.	0	0	cloudy	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	30.04	763.0	30.06	763.4	61.4	16.3	79	s.	3.9	1.7		1ck;cs	0	w.		0	0	clear	Y. Okamoto.
Kagoshima	30.08	764.1	30.10	764.4	62.5	16.9	88	calm			0	0	8 s			0.288	7.3	cloudy	
Kanazawa	29.96	761.1	30.07	763.7	60.1	15.6	69	e.	2.6	1.2			10ks;s			0	0	overcast	S. Endo.
Kioto	29.94	760.5	30.11	764.9	56.6	13.7	89	nnw.	2.6	1.2		0	2 s			0	0	clear	M. Tojima.
Kochi	30.11	764.9	30.14	765.4	65.8	18.8	75	sw.	8.0	3.6		0	3 s			0.052	1.3	clear	K. Kusunose.
Miasaka	30.08	764.0	30.11	764.7	60.4	15.8	87	sse.			2	0	1 ks		w.	0.035	0.9	fair	K. Masuzaki & T. Ishizaka.
Miyako	29.96	760.9	30.07	763.7	44.1	6.7	91	nne.	1.8	0.8		5cs;ck	0	nw.		0	0	fair	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.84	757.9	30.04	763.0	66.1	18.9	71	s.	4.5	2.0		0	8 s			0.620	15.7	cloudy	
Nemuro	30.00	762.0	30.05	763.3	37.7	3.2	87	calm	0	0		0	8 s			0	0	cloudy	A. Shibuya.
Niigata	30.06	763.5	30.09	764.3	58.3	14.6	78	se.	2.3	1.0		0	3 ks		nw.	0	0	fair	Satoo & Tomikawa.
Nobiru	30.07	763.8	30.09	764.2	49.1	9.5	96	n.	1.8	0.8		0	8 s			0	0	fair	Yoshino & Midzushina.
Numadzu	30.13	765.3	30.16	766.1	60 1	15.6	81	sw.			6	0	0			0	0	clear	T. Ohgi.
Osaka	30.10	764.5	30.12	764.9	58.8	14.9	87	wnw.	1.4	0.6		0	0			0	0	clear	H. Omura.
Saga	30.01	762.2	30.03	762.8	64.8	18.2	69	ssw.	8.1	3.6		0	0			0.165	4.2	clear	A. Matsuhayashi.
Sakai	30.00	761.9	30.01	762.2	56.8	13.8	80	ese.			2		9 ks		w.	0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	29.92	759.9	29.98	761.6	46.1	7.8	78	se.	7.2	3.2			10 n			0	0	covered	S. Kimura.
Shimonoseki	29 88	758.9	30.03	762.8	54.2	12.3	78	ene.			2		9 s		w.	0.067	1.7	cloudy	S. Sakano.
Tokei Obs'y, Yeddo	30.02	762.6	30.10	764 5	60.0	15.6	69	ssw.	11.7	5.2		0	0			0	0	clear	The Staff.
Wakayama	30.06	763.4	30.11	764.7	63.6	17.6	73	s.	9.3	4.2		0	1 ck		sw.	0	0	fair	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.74	755.4	29.93	760.2	76.0	24.4	62	ese.	13.0	5.8		8ck;cs	2k;ks	nw.		0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.35	618.5	30.10	764.5	53.1	11.7	65	nnw.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.74	755.3	30.00	762.0	67.0	19.4	95	ene.	0.9	0.4		0	0			0	0	clear	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.83	757.7	29.83	757.7	47.8	8.8		n.			4					0	0		
Groningen	29.69	754.2	29.75	755.6	41.9	5.5		ne.			1					0.039	1.0		
Helder	29.80	756.9	29.80	756.9	44.2	6.8		n.			4					0.012	0.3		
Hellevoetsluis	29.81	757.2	29.81	757.2	48.6	9.2	56	n.			3					0	0		
Utrecht	29.76	756 0	29.81	757.2	43.7	6.5	80	nne.			4		10			0	0	covered	H. van der Brink.
Sub-series.																			
Batavia, Java	29.87	758.8			79.3	26.3	88	ne.	0	0			7			0	0		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.87	758.7	29.93	760.3	47.5	8.6	43	wnw.	7	3			1			0	0		
Brono	29.95	760.6	29.98	761.6	46.4	8.0	46	n.			1		2			0	0		
Christiania	29.82	757.3	29.97	761.1	48.2	9.0	20	ene.	13	6			0			0	0		
Gjæsvær	29.93	760.1	29.95	760.7	35.6	2.0		sw.			7		10			0	0		
PORTUGUESE.																			
Funchal, Madeira	30.02	762.5	30.11	764.8	61.0	16.1	59	calm	0	0			10			0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.53	750.1	29.87	758.7	51.8	11.0	68	wsw.	13.0	5.8			9			0.102	2.6		The Staff.
Ponta Delgada, Azores	30.12	765.0	30.19	766.8	57.2	14.0	57	ne.	4.9	2.2			3			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.95	760.7	29.98	761.6	71.2	21.8	70	ne.			3		8			0	0		
San Salvador, Congo																			
Serra da Estrella	24.94	633.5	29.82	757.3	29.7	— 1.3	100	wnw.			6		10			0.157	4.0	hail and fog	
RUSSIAN.																			
Akmolinski	28.69	728.8	29.75	755.7	55.4	13.0	42	w.	22	10			1 c			0	0		Major K. Lasarew.
Archangel	29.98	761.6	30.00	762.1	26.6	— 3.0	72	nw.	9	4			0			0	0		Capt. Sseliwerstow.
Ashurada	29.72	754.9	29.63	752.5	76.3	24.6	60	n.	4	2			0	4 k		0	0		
Astrakhan	29.94	760.5	29.87	758.6	54.7	12.6	35	ene.	11	5				10 ks		0	0		Capt. Wisganow.
Baku	29.77	756 2	29.72	755 0	63.7	17.6	79	calm	0	0			0	4 k					
Barnaul	29.33	745.0	29.82	757.3	63.0	17.2	57	s.	4	2				3		0.035	0.9		Meteorological Office.
Bielosersk	29.58	751.4	30.06	763.5	43.3	6.3	48	wnw.	7	3			0	3 ks		0	0		
Dorpat	29.87	758.7	30.12	765.0	46.9	8.3	45	e.	9	4			3 c	0		0	0		Rosenthal.
Ekaterinburg	28.82	732.0	29.83	757.6	24.4	— 4.2	91	nnw.	9	4				10				snowing	Meteorological Obs'y.
Elissawetgrad	29.48	748.9	29.94	760.5	45.3	7.4	53	ene.	9	4			0	6 k		0	0		
Kasalinsk	29.60	751.7	29.77	756.2	73.2	22.9	35	s.	7	3									Butkewitsch.
Kasan	29.75	755.7	30.03	762.7	41.9	5.5	28	calm	0	0				10k;ks		0	0		Observatory.
Kem	30.13	765.4	30.19	766 7	28.4	— 2.0	76	ne.	13	6				10 k		0	0	h'vy clouds	
Kertch	29.62	752.4	29.65	753.0	50.4	10.2	95	e.	4	2				10 n		0.075	1.9		Lagorio & Sastyrea.
Kieff	29.32	744.7	29.97	761.2	43.2	6.2	55	e.	13	6				9 ks;n		0	0		Observatory.
Koslov	29.63	752.5	30.15	765.8	30.5	2.5	47	ene.	16	7			0	0		blank	blank		
Lgov	29.52	749.8	30.12	765.1	41.5	5.3	42	ene.	22	10				0		0	0		R. I. Saaweljew, Enzin'r.
Libau	29.90	759.5	29.93	760.1	41.9	5.5	74	e.	11	5				10		0	0		E. Quass.
Lugan	29.65	753 1	29.85	758.3	46.2	7.9	48	ene.	34	15				10		0	0		Meteorological Obs'y.
Moscow	29.70	754 3	30.19	766.8	41.0	5.0	32	nw.	2	1			0	0		0.587	14.9		Meteorological Obs'y.
Nertschinsk	27.90	708.7	30.25	768.4	37.9	3.3	38	calm	0	0				6		0	0		
Nikolaiev	29.81	757.2	29.88	759.0	39.7	4.3	84	ne.	45	20				10 n		0	0		Capt. Kurdakow.

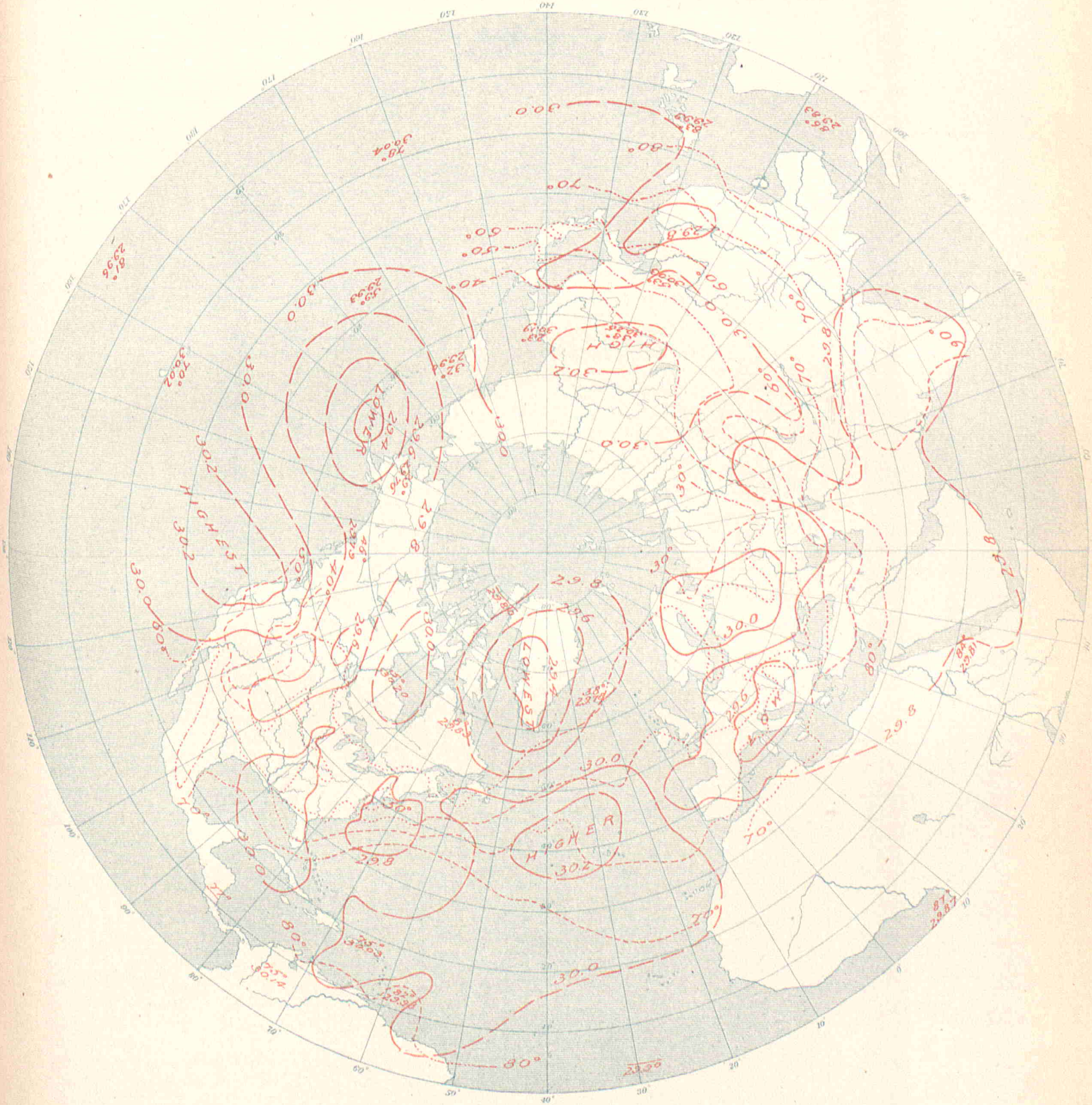
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mil.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	30.10	764.5	30.19	766.7	22.6	— 5.2	63	calm	0	0	.....	0	1 s	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.89	759 2	30.03	762.8	53.1	11.7	11	n	7.8	3.5	.....	0	1 k	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.45	747·9	29.78	756.3	83.5	28.6	21	sse.	2	1	.....	0	8 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.85	758.1	30.05	763.2	44.8	7.1	48	nnw.	16	7	.....	0	7 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.43	747.4	29.93	760.2	45.7	7.6	56	ese.	22	10	.....	4 cs	0	.....	.....	0.079	2.0	light clouds	
Poti	29.69	754.2	29.72	755 0	66.6	19.2	97	e.	4	2	.....	.....	7 n	.....	.....	0	0	.....	
St. Petersburg	30.14	765.6	30.17	766 2	44.8	7.1	16	wnw.	7	3	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.46	697.5	29.84	757.9	71.1	21.7	50	e.	7.8	3.5	.....	0	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.18	741.1	29.81	757.2	65.7	18.7	60	calm	0	0	.....	.....	9	.....	.....	0.079	2.0	.....	Major Lasarew
Sevastopol	29.45	748.1	29.67	753.5	53.2	11.8	73	ne.	27	12	.....	.....	10 n	.....	.....	0	0	.....	
Staroi Bykhov	29.50	749.4	30.07	763.7	47.3	8.5	32	se.	16	7	.....	0	1 ks	.....	.....	0	0	light clouds	Carl Hagen.
Tashkend, Laboratory	28.27	718.0	29.87	758.8	71.6	22.0	48	n.	13	6	.....	.....	9 k	.....	.....	.....	.....	light clouds	Terch, A. st
Tiflis	28.30	718.7	29.67	753 7	65.3	18.5	52	nw.	22	10	.....	.....	10 n	.....	.....	0.028	0.7	thund'r st'm	Physical Observatory
Vernoe	27.51	698.8	30.00	762 0	55.4	13.0	86	calm	0	0	.....	.....	9 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.33	744.9	29.97	761.3	39.0	3.9	49	n.	2	1	.....	.....	5	.....	.....	0	0	.....	
Vladivostock	29.87	758.8	29.94	760.5	39.4	4.1	96	n.	13	6	.....	.....	10 n	.....	.....	0.035	0.9	foggy	
Warsaw	29.34	745.1	29.76	756.0	43.5	6.4	93	sse.	11	5	.....	.....	10 ks	.....	.....	.....	.....	h'vy clouds.	Astronomical Obs'y.
Yeniseisk	29.72	755.0	30.02	762.4	43.3	6.3	47	ene.	4	2	.....	.....	6	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.58	751.3	30.11	764.8	42.2	5.7	39	wsw.	6.8	3.0	.....	0	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.55	750.6	29.66	753.4	62.2	16.8	64	s.	13.4	6.0	.....	0	6 kn	.....	.....	0.031	0.8	.....	B. Jelin.
Bilbao, Met. Obs'y	29.63	752 7	29.69	754.2	56.1	13.4	76	nw.	2.7	1.2	.....	.....	10	.....	.....	0.520	13.2	covered	Angel de Uraldo.
Burgos, Met. Obs'y	26.73	679.0	29.74	755.4	43.0	6.1	95	sw.	6.9	3.1	.....	.....	10	.....	.....	0.161	4.1	covered	Domingo Martin.
Madrid, Royal Obs'y	27.48	698.1	29.78	756.5	47.1	8.4	80	w.	20.4	9.1	.....	.....	10	.....	.....	0.067	1.7	covered	The Staff.
Murcia, Met. Obs'y	29.59	751.6	29.71	754.6	65.3	18.5	50	wnw.	4.3	1.9	.....	3	4	se.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.77	730.8	29.67	753.6	49.6	9.8	76	nw.	3.8	1.7	.....	.....	10	.....	.....	0.303	7.7	raining	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.00	762.1	30.07	763.8	72.7	22.6	66	n.	7.6	3.4	.....	0	4 k	.....	nw.	inap.	inap.	fair	Benito Vines, S. J.
Manilla, Philippine Islands	29.94	760.4	29.99	761.8	82.8	28.2	71	e.	6.6	3.0	.....	0	8	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.86	758.6	29.96	761.1	60.1	15.6	69	w.	10.1	4.5	.....	0	7	.....	w.	0.364	9.2	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.94	760 4	30.03	762 7	75.2	24.0	84	calm	0	0	.....	0	4 k	.....	se.	0	0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.11	764.7	30.15	765.7	45.0	7.2	77	w.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Umea	30.10	764.6	30.15	765.9	45.7	7.6	57	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Hernosand	30.06	763.5	30.11	764.8	45.7	7.6	33	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Stockholm	29.82	757.5	30.06	762.0	42.4	5.8	37	e.	.....	.....	7	.....	7	.....	.....	0	0	.....	
Wisby	29.86	758.5	29.92	760.0	38.5	3.6	87	ese.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.91	759.8	30.00	762.0	45.5	7.5	35	e.	12.8	5.7	.....	.....	0	.....	.....	0	0	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.18	715.7	29.60	751.7	56.5	13.6	44	ssw.	.....	.....	1	.....	4	.....	.....	0	0	cloudy	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.74	755.5	58.1	14.5	78	nne.	17	7.5	.....	.....	4	.....	ne.	0	0	.....	The Observatory.
Valona	.....	.....	29.79?	756.7?	65.3	18.5	.....	sw.	.....	.....	2	.....	10	.....	.....	0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.76	756.0	75.9	24.4	73	sw.	.....	.....	1	7 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.72	754.9	29.80	756.9	52	11.1	67	e.	2	0.9	.....	.....	10 s	.....	w.	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.27	743.4	29.96	761.0	41.8	5.4	58	nw.	4	1.8	.....	0	sk.	.....	.....	0	0	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.93	633.2	29.85	758.2	35.8	2.1	76	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assinnaboine, Ft., Montana	26.93	684.0	29.84	757.9	41.0	5.0	58	sw.	16	7.2	.....	6 k	0	sw.	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	28.80	731.5	29.99	761.7	45.0	7.2	83	nw.	11	4.9	.....	0	fg.	.....	.....	0	0	clear	S. W. Beall
Atlantic City, New Jersey	29.73	755 1	29.74	755.4	47.3	8.5	86	n.	6	2.7	.....	.....	10 ks	.....	n.	0.20	5.1	cloudy	B.A.Blundon.
Augusta, Georgia	29.77	756.1	29.96	761.0	49	9.4	82	w.	3	1.3	.....	0	0	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	29.76	755.9	29.81	757 2	51.5	10.8	82	e.	2	0.9	.....	.....	10 n	.....	e.	0.08	2.0	light rain	Geo. W. Felger.
Barnegat City, New Jersey	29.74	755.4	29.76	755 9	47.1	8.4	85	ne.	13	5.8	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	J.P.Sherry.
Bennett, Fort, Dakota	28.06	712.7	29.70	754 4	51.0	10.6	64	se.	15	6.7	.....	2 c	3 s	se.	se.	0	0	fair	A. Pritchard.
Benton, Fort, Montana	27.62	686.3	29.88	758.9	41.5	5.3	30	sw.	12	5.4	.....	0	4 ks	.....	nw.	0	0	fair	C.S.Bennett.
Bismarck, Dakota	27.84	707.1	29.72	754.9	48.2	9.0	71	se.	10	4.5	.....	.....	10 s	.....	w.	0.03	0.8	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.72	754.9	29.75	755.6	42.3	5.7	96	ne.	17	7.6	.....	.....	10 s	.....	ne.	0.32	8.1	cloudy	J. T. Elker.
Boise City, Idaho	27.23	691.6	30.07	763.8	39.5	4.2	82	n.	1	0.4	.....	0	8 s	.....	w.	0.01	0.3	cloudy	James Kenealy.
Boston, Massachusetts	29.65	753.1	29.81	757.2	42.7	5.9	95	ne.	11	4.9	.....	.....	10 s	.....	ne.	0.09	2.3	cloudy	O. B. Cole.
Brownsville, Texas	29.87	758.7	29.93	760.2	65.0	18.3	93	se.	14	6.3	.....	0	0	.....	.....	0	0	clear	John McGlone.
Buffalo, New York	29.09	738.9	29.86	758.4	46.2	7.9	60	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	D.Outhbertson.
Buford, Fort, Dakota	27.66	702.6	29.76	755.9	46.2	7.9	93	nw.	19	8.5	.....	0	9 ks	.....	nw.	0.10	2.5	cloudy	A. Schneider.
Cairo, Illinois	29.63	752.6	30.04	763.0	48.0	8.9	86	nw.	1	0.4	.....	0	0	.....	.....	0	0	clear	W. H. Ray.
Canby, Fort, Washington Ter	30.05	763.3	30.25	768.3	48.0	8.9	91	w.	7	3.1	.....	.....	10 k	.....	.....	0.18	4.6	cloudy	J.H.Young.
Cape Henry, Virginia	29.77	756.1	29.79	756.7	50.0	10.0	93	s.	8	3.6	.....	.....	10 s	.....	.....	0	0	cloudy	A. K. Alderson.
Cape May, New Jersey	29.72	754.9	29.75	755 6	47.0	8.3	83	ne.	7	3.1	.....	.....	10 s	.....	.....	0.02	0.5	cloudy	W.E.Smith.
Cape Mendocino, California	29.57	751.1	30.26	768.6	47.5	8.6	94	nw.	14	6.3	.....	.....	10 n	.....	.....	0.05	1.3	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.03	762.7	30.05	763.3	53.5	11.9	36	nw.	15	6.7	.....	0	1 k	.....	nw.	0.02	0.5	clear	G. W. Davis.
Charleston, S. Carolina	29.82	757.4	29.88	758.9	49.0	9.4	82	w.	10	4.5	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.00	736.6	29.86	758.4	47.0	8.3	89	nw.	3	1.3	.....	4 ck	fg.	w.	.....	0.09	2.3	fair	D. O'Donoghue.
Chattanooga, Tennessee	29.19	741.4	30.02	762.5	47.0	8.3	84	sw.	4	1.8	.....	0	8 k	.....	nw.	0	0	cloudy	B. L. Goulding.
Cheyenne, Wyoming	23.79	604.3	29.81	757.2	43.1	6.2	47	nw.	16	7.2	.....	.....	10 s	.....	nw.	0	0	cloudy	E. McGovern.
Chicago, Illinois	29.26	743.2	29.99	761.7	44.3	6.8	56	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	T.B.Jennings.
Chincoteague, Virginia	29.74	755.4	29.76	755.9	45.0	7.2	97	n.	6	2.7	.....	.....	10 ks	.....	.....	inap.	inap.	cloudy	C. F. Dickens
Cincinnati, Ohio	29.27	743.4	29.94	760.5	49.0	9.4	75	calm	0	0	.....	0	0	.....	.....	0	0	clear	L.Dunne.
Cleveland, Ohio	29.14	740.1	29.99	759.4	42.2	5.7	83	ne.	6	2.7	.....	0	sk.	.....	ne.	inap.	inap.	clear	W.Line.
Columbus, Ohio	29.02	737.1	29.90	759.4	46.1	7.8	55	nw.	8	3.6	.....	0	9 s	.....	nw.	inap.	inap.	cloudy	F.T. Williams.
Concho, Fort, Texas	27.91	708.9	29.85	758.2	58.7	14.8	72	sw.	12	5.4	.....	0	0	.....	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.68	677.7	29.86	758.4	41.8	5.4	67	nw.	10	4.5	.....	0	6 ks	.....	w.	0.21	5.3	fair	W.J.Daily.
Davenport, Iowa	29.31	744.5	29.98	761.5	46.0	7.8	68	ne.	2	0.9	.....	0	hz.	.....	.....	0	0	clear	R. R. Martin.
Davis, Fort, Texas	25.16	639.1	29.94	760.5	46.8	8.2	80	s.	4	1.8	.....	0	6 s	.....	.....	0	0	fair	J. Williams.
Dayton, Washington T'y	28.32	719.3	30.08	764.0	43.7	6.5	70	sw.	13	5.8	.....	0	8 s	.....	sw.	0.01	0.3	cloudy	H.S.Blandford.
Deadwood, Dakota	25.16	639.1	29.85	758.2	44.3	6.8	75	se.	6	2.7	.....	3 c	0	w.	.....	0	0	clear	G.Kingsbury.
Delaware Breakwater, Del	29.76	755.9	29.78	756.4	45.8	7.7	82	ne.	9	4.0	.....	.....	10 k	.....	ne.	0.01	0.3	cloudy	G.A.Martin.
Denver, Colorado	24.49	622.0	29.76	755.9	48.4	9.1	50	s.	8	3.6	.....	.....	7 s	.....	.....	0	0	fair	F. M. Nemi.
Des Moines, Iowa	29.06	738.1	30.00	762.0	41.8	5.4	69	calm	0	0	.....	0	sk.	.....	.....	0	0	clear	F. W. Conrad.
Detroit, Michigan	29.21	741.9	29.94	760.5	44.1	6.7	51	w.	6	2.7	.....	0	0	.....	.....	0	0	clear	N.B.Conger.
Dodge City, Kansas	27.14	689.3	29.78	756.4	50	10.0	79	e.	10	4.5	.....	10 cs	0	.....	.....	0	0	cloudy	J.E.Lanouette.
Dubuque, Iowa	29.27	743.4	30.00	762.0	43.5	6.4	72	e.	1	0.4	.....	0	fg.	.....	.....	0	0	clear	A.W.Browne.
Duluth, Minnesota	29.19	741.4	29.96	761.0	32.0	0.0	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	E.R.Brace.
Eastport, Maine	29.85	758.2	29.92	760.0	42.0	5.6	82	calm	0	0	.....	4 cs	5 s	s.	e.	0	0	cloudy	D. C. Murphy.
Elliott, Fort, Texas	27.00	685.8	29.78	756 4	45.5	7.5	89	s.	2	0.9	.....	0	0	.....	.....	0	0	clear	J. C. Rickli.
El Paso, Texas	26.18	665 0	29.92	760.0	55.4	13.0	22	w.	4	1.8	.....	0	1 s	.....	.....	0	0	clear	F. Belford.
Erie, Pennsylvania	29.12	739.6	29.87	758.7	45.8	7.7	75	calm	0	0	.....	4 k	0	.....	.....	0	0	fair	P. Wood.
Escanaba, Michigan	29.26	743.2	29.95	760.7	37.0	2.8	64	n.	2	0.9	.....	3 cs	0	nw.	.....	0	0	clear	L.M.Pindell.
Fort Smith, Arkansas	29.48	748.8	29.90	761.0	53.1	11.7	80	calm	0	0	.....	0	5 k	.....	n.	0	0	fair	J. B. Campbell.
Galveston, Texas	29.93	761.5	30.02	762.5	66.0	18.9	78	s.	10	4.5	.....	1 ck	0	nw.	.....	0	0	clear	E. O'C. Macinerney
Grand Haven, Michigan	29.30	744.2	29.99	761.7	45.2	7.3	52	calm	0	0	.....	0	hz.	.....	.....	0	0	clear	Joseph E. Mueller.
Grant, Fort, Arizona	25.16	639.1	29.89	759.2	54.2	12.3	28	n.	8	3.6	.....	0	0	.....	.....	0	0	clear	Chas. A. Read.
Hatteras, North Carolina	29.78	756.4	29.79	756.7	51.5	10.8	83	nw.	10	4.5	.....	0	9 k	.....	nw.	0.12	3.0	cloudy	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.73	653.5	29.94	760.5	41	5.0	48	w.	12	5.4	.....	0	4 ks	.....	w.	0.12	3.0	fair	S. W. Morrison.
Huron, Dakota	28.36	720.3	29.81	757.2	46	7.8	67	se.	17	7.6	.....	0	5 s	.....	s.	0	0	fair	S. W. Glenn.
Indianapolis, Indiana	29.14	740.1	29.96	761.0	45.3	7.4	47	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	C. F. R. Wappenhans.
Indianola, Texas	29.92	760.0	29.94	760.5	62.3	16.8	88	s.	8	3.6	.....	0	hz.	.....	.....	0	0	clear	I. A. Reed.
Jacksonville Florida	29.95	760.7	29.99	761.7	55.9	13.3	72	w.	6	2.7	.....	2 cs	hz.	.....	.....	0	0	clear	J. W. Smith.
Keokuk, Iowa	29.33	745.0	30.00	762.0	44.8	7.1	66	calm	0	0	.....	0	0	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.04	763.0	30.06	763.5	70.7	21.5	59	nw.	12	5.4	.....	0	7 k	.....	w.	0	0	fair	J. Harvey Smith.
Kittyhawk, North Carolina	29.77	756.1	29.79	756.7	47.2	8.4	92	n.	6	2.7	.....	.....	10 s	.....	n.	0.08	2.0	cloudy	Wesley Blake.
Knoxville, Tennessee	28.93	734.8	29.97	761.2	44.2	6.8	89	sw.	6	2.7	.....	0	3 s	.....	.....	0.02	0.5	clear	J. A. Cody.
La Crosse, Wisconsin	29.21	741.9	30.01	762.2	45.0	7.2	71	s.	4	1.8	.....	0	0	.....	.....	0	0	clear	S. C. Emery.
Leavenworth, Kansas	30.06	763.5	29.97	761.2	51	10.6	80	calm	0	0	.....	.....	10 s	.....	n.	0	0	cloudy	C. Dill.
Lewiston, Idaho	29.25	742.9	30.10	764.5	48.0	8.9	77	ne.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.68	753.9	30.00	762.0	51.0	10.6	86	sw.	3	1.3	.....	3 ck	0	.....	.....	0	0	clear	W. U. Simons.
Los Angeles, California	29.67	753.6	30.07	763.8	51.5	10.8	93	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	T. S. Collins.
Louisville, Kentucky	29.38	746.2	29.94	760.5	53.2	11.8	65	w.	5	2.2	.....	2 c	sk.	e.	.....	0	0	clear	E. B. Garriott.
Lynchburg, Virginia	29.10	739.1	29.81	757.2	50.0	10.0	77	w.	3	1.3	.....	4 cs	5 k	.....	.....	0.06	1.5	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.30	744.2	29.98	761.5	39.8	4.3	66	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	D. B. Notson.
Macon, Fort, North Carolina	29.79	756.7	29.80	756.9	51.0	10.6	98	nw.	8	3.6	.....	0	7 k	.....	nw.	0.24	6.1	fair	William Daly.
Maginnis, Fort, Montana	25.38	644.6	29.88	758.9	40.6	4.8	52	nw.	12	5.4	.....	.....	10 s	.....	nw.	0.02	0.5	cloudy	F. Burke.
Marquette, Michigan	29.21	741.9	29.96	761.0	36.0	2.2	61	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. Gilligan.
Memphis, Tennessee	29.69	754.1	30.03	762.7	51.0	10.6	80	calm	0	0	.....	0	0	.....	.....	0	0	clear	D. T. Flannery.
Milwaukee, Wisconsin	29.22	742.2	29.99	761.7	46.1	7.8	61	nw.	6	2.7	.....	0	sk.	.....	.....	0	0	clear	S. W. Rhode.
Mobile, Alabama	30.04	763.0	30.08	764.0	49	9.4	84	nw.	2	0.9	.....	0	sk.	.....	.....	0	0	clear	H. U. Jones.
Montgomery, Alabama	29.81	757.2	30.04	763.0	48.6	9.2	91	w.	2	0.9	.....	0	fg.	.....	.....	0	0	clear	S. M. Leitzell.
Moorhead, Minnesota	28.81	731.8	29.84	757.9	41.0	5.0	66	se.	7	3.1	.....	8 cs	0	w.	.....	0	0	cloudy	L. M. Dey.
Mt. Washington, N. H.	23.56	598.4	29.97	761.2	27.5	— 2.5	95	ne.	31	13.9	.....	.....	10 n	.....	ne.	0.04	1.0	heavy snow	E. A. Beals.
Nashville, Tennessee	29.43	747.5	30.01	762.2	46.0	7.8	89	sw.	3	1.3	.....	0	0	.....	.....	inap.	inap.	clear	L. N. Jesunofsky.
New Haven, Connecticut	29.66	753.4	29.78	756.4	47	8.3	77	ne.	9	4.0	.....	0	9 s	.....	ne.	0.03	0.8	cloudy	J. H. Sherman.
New London, Connecticut	29.71	754.6	29.76	755.9	46.0	7.8	84	ne.	3	1.3	.....	.....	10 s	.....	.....	0.44	11.2	cloudy	J. G. Lynch.
New Orleans, Louisiana	30.02	762.5	30.08	764.0	61.0	16.1	72	se.	2	0.9	.....	2 ck	0	nw.	.....	0	0	clear	M. Herman.
New York, New York	29.60	751.8	29.78	756.4	51.2	10.7	67	n.	9	4.0	.....	.....	10s:fg	.....	.....	0.01	0.3	cloudy	W. Finn.
Norfolk, Virginia	29.78	756.4	29.81	757.2	50.4	10.2	92	sw.	4	1.8	.....	.....	fg; 10s	.....	.....	0.01	0.3	cloudy	Wm. Davis.
North Platte, Nebraska	26.76	679.7	29.72	754.9	51.6	10.9	84	s.	15	6.7	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	E. F. Brady.
Olympia, Washington Ter	30.08	764.0	30.12	765.0	46.5	8.1	93	s.	1	0.4	.....	.....	10 n	.....	.....	0.33	8.4	light rain	J. Dascomb.
Omaha, Nebraska	28.76	730.5	29.97	761.2	50.2	10.1	74	s.	4	1.8	.....	.....	10 s	.....	s.	0	0	cloudy	A. Pollak
Oswego, New York	29.48	748.8	29.82	757.4	43.4	6.3	83	nw.	4	1.8	.....	9 ck	sk.	n.	.....	0	0	cloudy	J. G. Linsley.
Palestine, Texas	29.42	747.3	29.98	761.5	50.2	13.4	86	s.	12	5.4	.....	3 ck	0	sw.	.....	0	0	clear	P. T. Jenkins.
Pensacola, Florida	30.05	763.3	30.08	764.0	50.1	10.1	77	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	29.67	753.6	29.80	756.9	49 5	9.7	89	n.	7	3.1	.....	10ck; cs	hz.	nw	.....	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.67	448.8	29.95	760.7	13.0	—10.6	76	sw.	60	26.8	.....	2 cs	0	sw.	.....	0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.02	737.1	29.85	758.2	50.4	10.2	85	n.	4	1.8	.....	.....	10 s	.....	n.	0.09	2.3	cloudy	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	43.8	6.6	79	.....	.....	.....	.....	3 c	4 ks	.....	.....	0.09	2.3	fair	Geo. A. Carden.
Port Huron, Michigan	29.21	741.9	29.91	759.7	43.2	6.2	74	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Portland, Maine	29.78	756.4	29.84	757.9	46.0	7.8	80	ne.	8	3.6	.....	.....	10 n	.....	ne.	0.02	0.5	light rain	W. W. Eichelberger.
Portland, Oregon	30.10	764.5	30.17	766.3	47.2	8.4	85	s.	6	2.7	.....	0	9 s	.....	.....	0.37	9.4	cloudy	M. L. Hearne.
Prescott, Arizona	24.60	624.8	29.87	758.7	50.5	10.3	40	s.	16	7.2	.....	0	4 s	.....	s.	0	0	fair	J. Glover.
Provincetown, Mass.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. N. Kitchel.
Red Bluff, California	29.87	758.7	30.23	767.8	46.5	8.1	82	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.71	754.6	29.95	760.7	66.0	18.9	78	se.	4	1.8	.....	0	0	.....	.....	0	0	clear	L. G. Schultz.
Rochester, N. Y.	29.17	740.9	29.86	758.4	47	8.3	63	nw.	5	2.2	.....	2 ck	3 k	.....	n.	0	0	fair	E. W. McGann.
Roseburg, Oregon	29.70	754 4	30.26	768.6	46	7.8	91	sw.	1	0.4	.....	.....	10 s	.....	s.	0.07	1.8	cloudy	J. J. Nanry.
Sacramento, California	30.12	765.0	30.19	766.8	55.5	13.1	59	n.	16	7.2	.....	0	0	.....	.....	0	0	clear	J. A. Barwick
St. Louis, Missouri	29.38	746.2	30.01	762.2	51.0	10.6	67	sw.	6	2.7	.....	hz.	sk.	.....	.....	0	0	clear	J. H. Weber.
St. Michael, Fort, Alaska	29.73	755.1	29 76	755.9	29	— 1.7	88	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	29.06	738.1	29.94	760.5	43.5	6.4	80	se.	4	1.8	.....	0	hz.	.....	.....	0	0	clear	P. F. Lyons.
St. Vincent, Minnesota	28.91	734.3	29.82	757.4	38.3	3.5	82	s.	5	2.2	.....	.....	10 s	.....	.....	0	0	cloudy	C. B. Dilley.
Salt Lake City, Utah	25 59	650.0	29.96	761.0	40.4	4.7	71	calm	0	0	.....	.....	10 s	.....	.....	0.17	4.3	threatening	J. Craig.
San Diego, California	29.95	760.7	30.02	762.5	58.3	14.6	81	sw.	4	1.8	.....	.....	10 k	.....	nw.	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.24	742.7	29.94	760.5	44.5	6.9	74	n.	7	3.1	.....	0	0	.....	.....	0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	29.75	755.6	29.78	756.4	48.7	9.3	82	ne.	6	2.7	.....	0	9 ks	.....	ne.	0.24	6.1	cloudy	V. P. Chappel.
Sanford, Florida	29.95	760.7	30.00	762.0	53.0	11 7	76	sw.	5	2.2	.....	8 cs	0	w.	.....	0	0	cloudy	J. B. Marbury
San Francisco, California	30.15	765.8	30.22	767.6	52.7	11.5	64	nw.	14	6.3	.....	0	0	.....	.....	inap.	inap.	clear	N. Gorom.
Savannah, Georgia	29.84	757.9	29.93	760.2	52	11.1	71	w.	10	4.5	.....	0	0	.....	.....	0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.23	666.2	29.90	759.4	42	5.6	59	sw.	14	6.3	.....	0	2 k	.....	w.	0	0	clear	A. L. Mathews.
Shreveport, Louisiana	29.78	756.4	30.02	762.5	52.6	11.4	73	se.	3	1.3	.....	2 c	1 s	.....	se.	0	0	clear	E. N. Meekins.
Sitka, Alaska	29.72	754.9	29.79	756.7	45.8	7.7	80	e.	2	0.9	.....	.....	10 ks	.....	e.	0.10	2.5	cloudy	F. W. Fickett.
Smithville, North Carolina	29.78	756.4	29.82	757.4	50.1	10.1	94	nw.	7	3.1	.....	.....	9 s	.....	nw.	0.02	0.5	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.94	709.7	30.00	762.0	40.0	4.4	88	sw.	13	5.8	.....	0	5 s	.....	sw.	0.01	0.3	fair	D. Moore.
Springfield, Illinois	29.32	744.7	30.02	762.5	55.9	13.3	34	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	W. Norrington.
Stockton, Fort, Texas	26.85	682.0	29.88	758.9	61.0	16.1	38	sw.	11	4.9	.....	2 c	0	.....	.....	0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.97	761.2	30.06	763.5	48.0	8.9	86	sw.	12	5.4	.....	.....	10 ks	.....	sw.	0.60	15.2	cloudy	R. Connor.
Thomas, Camp, Arizona	27.14	689.3	29.87	758.7	42	5.6	58	w.	.....	.....	1	0	0	.....	.....	0	0	clear	R. O. Lord.
Toledo, Ohio	29.20	741.7	29.91	759 7	45	7.2	59	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	A. Buell.
Unalashka, Alaska	29.32	744.7	29.34	745.2	37	2.8	82	se.	24	10.7	.....	.....	10 n	.....	.....	1.00	25.4	light rain	Samuel Applegate.
Vicksburg, Mississippi	29.83	757.7	30.09	764.3	53	11.7	77	sw.	3	1.3	.....	0	7 s	.....	w.	0.03	0.8	fair	F. W. Mixer.
Washington, D. C.	29.70	754.4	29.82	757.4	47.3	8.5	92	ne.	3	1.3	..A.....	.....	10 n	.....	ne.	0.02	0.5	light rain	T. B. Harrison.
West Las Animas, Colorado	25.76	654.3	29.71	754.6	48.3	9.1	51	sw.	5	2.2	.....	.....	10 s	.....	sw.	0	0	cloudy	F. H. Brandenburg.
Wilmington, N. Carolina	29.76	755.9	29.82	757.4	52.5	11.4	86	w.	2	0.9	.....	2 k	2 s	w.	.....	0.09	2.3	fair	L. H. Albrecht.
Yankton, Dakota	28.52	724.4	29.86	758.4	48.4	9.1	62	se.	9	4.0	.....	0	6 k	.....	e.	0	0	fair	E. H. Thompson.
Yuma, Arizona	29.71	754.6	29.86	758.4	65.0	18.7	38	w.	15	6.7	.....	0	1 s	.....	n.	0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.88	758.9	29.90	759.4	31.9	— 0.1	.....	se.	4	1.8	.....	0	4 k	.....	se.	0	0	fair	George Cherutick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	79	26.1	.....	nw.	.....	.....	2	1 c	3 k	.....	ne.	0.03	0.8	fair	W. P. Jackson.
Bogota, U. S. C.	22.03	559.7	.....	.....	53.6	12.0	86	calm	0	0	.....	5 fc	0	nw.	.....	0.004	0.1	.....	Joaquin Gomez.
Chimo, Fort, Ungava	29.08	753.9	29.83	757.7	8	—13.3	100	sw	16	7.2	.....	.....	10 s	.....	sw.	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.	.....	.....	29.98	761.5	79	26.1	67	calm	0	0	.....	0	0	.....	.....	0	0	fine	Robert Johnstone.
Paramarino, S. A.	30.03	762.7	30.03	762.7	80	26.7	82	se.	.....	.....	2	5 ck	6 ks	e.	e.	0	0	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.58?	751.3?	30.14?	765.5?	75	23.9	94	s.	.....	.....	1	.....	10 k	.....	calm	1.48	37.6	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	29.94?	760.5?	30.10?	764.5?	77	25.0	84	ne.	.....	.....	1	2 ck	.....	se.	.....	0	0	clear	Earl Flint.
York Factory, B. A.	30.14	765.5	30.20	767.1	4.5	—15.3	87	sw.	12	5.4	.....	0	0	.....	.....	0	0	clear	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
	Inch.	Mil.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill	Character.	Direction from	
District No. 1—North Atlantic.																		
S. S. Arizona, N. 43° 18′, W. 54° 09′	30.07	763.8				n.			3		3		ne.	0	0	sm'h		¼ covered.
S. S. Alvo, off Cape Maysi, Cuba	29.96	761.0	78	25.6		sw.			3		5		sw.	0	0			fine.
S. S. Anchoria, N. 47° 55′, W. 39° 35′						wsw.			3		7		w.	0	0	sm'h		fair.
S. S. Assyrian Monarch, N. 42° 44′, W. 43° 42′ †	30 23	767.8	65	18.3		ssw.			5		2		sw.	0	0	mod	ssw.	clear.
S. S. Bohemia, N. 40° 10′, W. 58° 12′						ese.			4		5?		ese.	8 h'r	8 h'r	mod.	ese.	overcast?
S. S. Bothnia, N. 43° 58′, W. 45° 08′	30.16	766.1	60	15.6	100	sw.			1		2			0	0	sm'h		clear
S. S. City of Washington, Havana, Cuba, W. I.*†	30.05	763.3	80	26.7		n.			5		2		n.	0	0	sm'h		clear.
Bk. U. S. Bushnell, N. 42° 21′, W. 54° 29′	30.01	762.2				ene.			4		10		ene.	0	0	long	ssw.	cloudy.
S. S. Circassian, N. 42° 35′, W 65° 15′	29.83	757.7	39	3.9	100	e.			6		10		e.			4	ne.	raining.
S. S. Cienfuegos, St. Jago, Cuba, W. I	29.98	761.5	77	25.0		calm			0		4		ese.	0	0			clear.
S. S. Canada, (Fr) N. 43° 09′, W. 45° 50′	30.21	767.3	50.8	16.		sw.			4		5 k		sw.			sm'h		fair.
S. S. Denmark, N. 40° 21′, W. 70° 57′†	29.68	753.9	43	6.1	100	ne.			5		½g.			inap.	inap.	sm'h		foggy
S. S. Egypt, N. 40° 55′, W. 66° 22′†	29.70	754.4	42	5.6		s.			5		10		s.	0	0	sm'h	se.	foggy.
S. S. Gellert, N. 40° 13′, W. 70° 22′	29.68	753.9	45	7.2		nne.			4		4		nne.	3 h'r	3 h'r	mod.	e.	foggy.
S. S. Gallia, N. 41° 12′, W. 62° 18′	29.82	757.4	57	13.9		e.			4		8		e.	0	0	sm'h		cloudy.
S. S. Holland, N. 42° 55′, W 40° 25′*	30.26	768.6	61	16.1		ssw.			4		1		ssw.	0	0	light	sw.	clear.
S. S. Helvetia, N. 40° 22′, W. 53° 04′			68	20.0	90	sse.			4		3		ese.	0	0	mod.	se.	clear.
S. S. Lord Clive, N. 41° 48′, W. 60° 43′						ese.			2		3		e.	0	0	sli't	se.	fine
Bg. L. & W. Armstrong, N. 38° 31′, W. 71° 44′						n.			1		10			3 h'r	3 h'r	mod.	e.	drizzling.
S. S. Llandaff City, N. 40° 36′, W. 52° 38′*†	30.02	762.5	68	20.0		s.			5		3			0	0	sm'h		clear.
S. S. Madrid, N. 40° 41′, W 57° 05′			64	17.8	78	e.			5		5		e.	0	0	sm'h	sse.	fair.
S. S. Main, N. 44° 09′, W. 38° 09′	30.27	768.8	64.4	18.0		s.			1		3		s.	0	0	sm'h	s.	clear.
S. S. Nessmore, St. George's channel	29.92	760.0	51	10.6	86	ene.			2		2		ene.	6 h'r	6 h'r	sm'h	e.	clear.
S. S. Normandie, N. 49° 29′, W. 2° 20′*†	29.76	756.0	46.4	8.0		e.			3		3?		ne.	2 h'r	2 h'r	sm'h		cloudy.?
S. S. Orinoco, N. 34° 16′, W. 64° 43′			74	23.3		sw.			2		6		sw.	2 h'r	2 h'r	light	sw.	fine.
S. S. Republic, N. 40° 28′, W. 69° 56′			40	4.4		n.			4		10		e.	0	0		ne.	misty.
S. S. Rosse, N. 43° 42′, W. 41° 18′	30.20	767.1	61	16.1	77	s.			4					1 h'r	1 h'r	sm'h		fine.
S. S. Rhaetia, N. 41° 29′, W. 52° 56′			51	10.6		sse.			4		2		s.	light	light	mod	se.	fair.
S. S. State of Nebraska, N 44° 50′, W. 41° 44′ *†	30.22	767.6	56	13.3		ssw.			4		2			sh'rs	sh'rs	sm'h		blue sky.
S. S. State of Georgia, N. 40° 21′, W. 70° 56′†	29.69	754.1	44	6.7		ne.			4		10			light	light	sm'h		light rain.
S. S. Valencia, N. 17° 58′ W. 68° 00′ †	30.00	762 0	79	26.1	82	sse.			3		6		s.	1 h'r	1 h'r	light	s.	squally.
S. S. Virginian, N. 50° 46′, W. 16° 00′			62	16.7		nw.			6				w.	sh'rs	sh'rs	mod.	w.	
S. S. Wieland, N. 49° 24′, W. 23° 00′			50	10.0		nw.			4		3?		nw.	0	0	mod.	nw.	covered.?
S. S. Westernland, N. 42° 20′, W. 43° 36′	30.21	767.3	64	17.8	83	ssw.			4		7		ssw.	0	0	light	ssw.	fair.
S. S. Lessing, N. 49° 01′, W. 19° 52′			51	10.6		nw.			5		5		nw.	½h'r	½h'r	mod.	nnw.	fair.
Schr. Adda Doane, Port Antonio, Jamaica, W. I†	30.03	762.7				sse.			1		2		e.	0	0			clear.
S. S. America, Bremerhaven, Germany *	29.79	756.7	45	7.2		ese.			3		5			0	0			fair.
Bg. Belle of Bay, N. 28° 40′, W. 74° 35 *†	29.92	760.0				w.			4		3		nnw.	10 mi	nutes	con.	sw.	clear.
S. S. British Princess, N. 50° 52′, W. 15° 00′†	29.89	759.2				calm			0		8			0	0	sm'h		
S. S. Celtic, N. 41° 26′, W. 62° 04′†	29.93	760.2	56	13.3		se.			4		10		s.			sm'h	s.	cloudy.
S. S. Caracas, Curacoa, W. I *†	30.04	763.0	80	26.7	89	ene.			5		5		e.	0	0	light	ese.	fair.
S. S City of Merida, N. 19° 11′, W. 96° 08′*†	29.92	760.0	71.6	22.0		w.			1		0			0	0			clear.
S. S. Chalmette, N. 28° 00′, W. 87° 51′ †	30.13	765.3	62	16.7		nw.			3		3		n.	0	0	sm'h		clear.
S. S. Elysia, N. 52° 35′, W. 23° 49′ *	30.00	762.0	47	8.3		nw.			3		10		nw.	0	0	sm'h		overcast.
S. S. Erin, N. 45° 52′, W. 31° 42′	30.26	768.6	56	13.3		nw.			1		7		ne.	0	0	sli't	ne.	overcast.
S. S. England, N. 50° 48′, W. 14° 42	29.83	757.7				sw.			4		0			0	0	sm'h		clear.
S. S. Foscolia, N. 25° 43′, W 79° 45′			68	20.0		wnw.			5		2			0	0	sli't	w.	fine.
S. S. Germanic, Queenstown, Ireland *†	29.87	758.7	51	10.6	72	sse.			3		7		e.	0	0			fair.
S. S. Grecian, N. 55° 29′, W. 8° 07′	29.85	758.2	49	9.4	71	s.			3		0			½ h'r	½ h'r	sm'h		hazy.
S. S. Italy, N. 49° 38′, W. 9° 04′*	29.84	757.9	51	10.6	79	e.			3		5		ese.	0	0	sm'h	e.	fair.
S. S. Labrador, N. 41° 29′, W. 63° 50′	29.90	759.5	53.6	12.		se.			4		2		e.			h'vy	se.	rainy.
S. S. Neckar, N. 47° 29′, W. 35° 19′	30.21	767.3	58.1	14.5		wsw.			2		2		nne.	0	0	mod.	w	fair.
S. S. New York, N. 34° 20′, W. 76° 00′*†	29.80	756.9	55	12.8		wnw.			5		3		wsw.	0	0	mod.	sw.	clear.
S. S. Ontario, N. 50° 42′, W. 19° 07′	30.01	762.2			100	n.			2		5		n.	0	0	sm'h		fair.
S. S. Prussian, Galway Bay, Ireland	29.88	758.9				w.			1		7		w.	0	0			clear.
S. S. Pavonia, N. 50° 58′, W. 15° 19′	29.92	760.0	54	12.2	74	wnw.			5		4		wnw.	1 h'r	1 h'r	mod.	wnw.	clear.
S. S. Werra, N. 51° 24′, E. 1° 50′*	29.86	758.4	44.6	7.0		ene.			4–5		5		ne.	0	0	mod.	ene.	fine.
U. S. S. Alliance, Dry Tortugas, Fla	30.05	763.3	71	21.7	90	nw.			3		2		n.	0	0	mod.	se.	clear.
U. S. S. Galena, N. 16° 55′, W. 73° 22′ *	29.98	761.5	79	26.1	82	e.			2		2		e.			sm'h		fair.
U. S. S. Jamestown, N. 17° 20′, W. 63° 30′	30.06	763.5	78	25.6	69	ene.			3		2					sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.73	755.1	74	23.3	55	nw.			3		8							fair.
U. S. S. Lancaster, Smyrna, Turkey	29.70	754.4	77	25.0	77	nw.			1		2					sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	29.73	755.1	42	5.6	74	ne.			3		10							cloudy.
U. S. S. Ossipee, Norfolk, Va *	29.78	756.4	49	9.4	93	sw.			1		10		calm					drizzling.
U. S. S. Pensacola, N. 16° 06′, W. 59° 32′†	30.04	763.0	78	25.6	69	nne.			3–4		2		nne.	0	0	sm'h		clear.
U. S. S. Portsmouth, N. 39° 28′, W. 72° 57′			43	6.1	100	ne.			3		10		ne.			mod.	e.	misty.
U. S. S. Powhatan, Newport, R. I	29.75	755.6	44	6.7	100	n.			4		10		nne.					overcast.
U. S. S. Quinnebaug, Smyrna, Turkey	29.66	753.4	75	23.9	66	nw.			1		2		n			sm'h		fair.
U. S. S. Saratoga, Lisbon, Portugal	29.82	757.4	54	12.2	80	w.			1		8		w.	light	light	sm'h		cloudy.
U. S. S. Swatara, Matanzas, Cuba, W. I	30.05	763.3	73	22.8	85	nnw.			1		5		nnw.	0	0	sm'h		fair.
U. S. S. Tennessee, Key West, Fla	30.02	762.5	71	21.7	71	nw.			3		8		nw.	0	0	sm'h		cloudy.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.03	762.7	73	22.8	63	n.			2		5		calm					fair.
U. S. S. Yantic, Turtle Harbor, Fla	30.07	763.8	65	18.3	68	nnw.			3		2							clear.
U. S. Navy Yard, Portsmouth, N. H			46	7.8	92	e.	9	4.0			10		ne.	0	0			cloudy
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.69	754.1	58	20.0	79	nnw.			1		2		nnw.					d. clouds.
H. M. S. Alecto, N. 4° 52′, W. 2° 15′	29.85	758.2	88	31.1		ssw.			1		7					4	s.	d. clouds.
H. M. S. Minotaur, N. 37° 06′, E. 5° 17′	29.80	756.9	62	16.7	69	w.			6		1					4	w.	misty.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.87	758.7	86.9	30.5	75	sse.			3		3		se.	0	0	3	se.	d clouds.
S. S. British Crown, N. 41° 30′, W. 45° 38′†	30.23	767.8	61	16.1		sse.			3		2		sse.	0	0	sm'h		clear.
S. S. Ohio, (Am) Liverpool, Eng †	29.96	761.0	46	7.8	80	se.			1		0			0	0			foggy.
S. S. Scandinavian, N. 42° 22′, W. 43° 25′	30.17	766.3	60	15 6		ssw.			4		10 k		var.	0	0	mod.	ssw.	d. clouds.
S. S. Athos, Savanilla, U. S. C						ese.			5		2		ene.	0	0	mod	ne.	clear.
S. S. Moravia, N. 50° 12′, W. 3° 40′			46.4	8.0		nne.			3–4		7		n.	0	0	sm'h		fair.
S. S. Archimedes, (Br) N. 2° 44′, W. 29° 49′	29.90	759.4				nne.			3–4		2		ne.	0	0	light	ne.	fine.
S. S. Hevellius, Liverpool, Engt	29.87	758.7	48	8.9		e.			4		3		e.	0	0			clear.
S. S. Sirius, N. 35° 00′, W. 13° 48	30.01	762.2				nw.			4		2		nw.	0	0	mod.	nw.	clear.
S. S. Teniers, N. 23° 18′, W. 21° 53′	30.05	763.3	70	21.1	67	ne.			4	c	4 k			0	0	2	nne.	blue sky
S. S. Olbers, N. 40° 33′, W. 59° 33′	29.87	758.7	60	15.6	74	e.			4		6		ese.	0	0	r'gh	ese.	d. clouds.
S. S. Gottardo, N. 35° 51′, W. 7° 56′			67	19.4		nw.			3		2			3 h'r	3 h'r	light	nw.	clear.
S. S. Oregon, (Br.) N. 43° 14′, W. 66° 53′	29.79	756.7	42	5.6		e.			3		10		e.	3¾h'r	3¾h'r	mod.	e.	overcast.
S. S. Strassburg, N. 45° 54′, W. 4° 58′	29.88	758.9	49	9.4	78	e.			2		10		e	5 h'r	5 h'r	2	e.	covered.
S. S. City of Augusta, New York, N. Y *†	29.84	757 9				ese.			2		3?		se.	rain	rain			cloudy.
S. S. Pennland, Antwerp, Belgium	29.74	755.4	47	8.3	85	ene.			3		9		ne.	0	0			cloudy.
S. S. W. A. Scholten, Rotterdam, Holland			44.6	7.0	87	nne.			2		6		ne.	0	0			fair.
S. S. Maasdam, N. 40° 07′, W. 65° 51′*	29.71	754.6	59.5	15.3	94	se.			2		8		se	0	0	1	e.	foggy
S. S. Britannic, N. 46° 50′, W. 31° 58′†	30.22	767.6	47	8.3		calm			0		8		e.	0	0	sm'h		cloudy.
S. S. Marengo, N. 40° 00′, W. 66° 58′	29.71	754.6	58	14.4		e.			2		5?		e.	2 h'r	2 h'r	mod.	e.	clear.?
S. S. Salerno, N. 45° 25′, W. 27° 03′†	30.30	769.6	56	13.3		ne.			2		3		n.	0	0		ne.	fine.
Bg. Alcira. Maracaybo, Venezuela			80	26.7		ne.			2		10		var.	4 h'r	4 h'r			raining.
S. S. Antonio Lopez, Cadiz, Spain	29.92	760.0	59.5	15.3	63	wnw.			4		4			1 h'r	1 h'r			fair.
Schr. Arthur Burton, N. 21° 10′, W. 67° 50′†	30.07	763.8				se.			1		1		se.	0	0	sm'h	se.	fine.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W. I†	29.96	761.0	79	26.1		calm			0		0			0	0			clear.
Schr. Annie A. Holton, N 23° 15′, W. 90° 03′			76	24.4		ese.			2		2		ese.	0	0	sm'h		clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bg. Abbie Clifford, Port of Spain, Trinidad, W.I†	29.95	760.7	80	26.7		ene.			2		6		e.	0	0			fair.
Bgt. Achsah, N. 42° 25′, W. 65° 26′†.	29.83	757.7				e.			6		10		e.	4 h'r	4 h'r	mod.	ese.	dense mist.
S. Annie, Bayonne, N. J	29.83	757.7				ne.			2		8		ne.					cloudy.
Bk. Adelaide, N. 33° 42′, W. 73° 38′*†.	29.78	756.4	67	19.4		nw.			6		9		w.	4 h'r	4 h'r	short	var.	cloudy
Schr. Abbie H. Gheen, Wilmington, Del	29.90	759.4	60	15.6		e.			1									cloudy.
Bk. Benjamin Dickerman, N. 14° 15′, W. 58° 44′ †*.	30.02	762.5	80	26.7		ne.			4		0			0	0	long	ene.	clear
Bk. Chas. Stewart, N. 39° 38′ E. 5° 17′*†.	29.64	752.8				wsw.			6		2		nw.	0	0	r'gh	w.	clear.
S. Cornelius, N. 21° 12′. W. 41° 52′*†.	30.01	762.2	75.9	24.4		w.			1		5			0	0	sm'h		fair.
Bkt. Corisande, N. 40° 51′, W. 68° 36′	29.70	754.4				calm			0				s.	2 h'r	2 h'r	mod.	ene.	foggy.
Bk. Diamant, N. 44° 55′, W. 13° 42′	29.78	756.5	51.4	10.8	77	ne.			1		5		n.	2½ hr	2½ hr	3	n.	fine.
S. E. J. Spicer, N. 45° 36′, W. 16° 12′.	29.95	760.7	52	11.1	93	nnw.			6		5		n.	rain	rain	mod.	n.	fair.
Schr. Edith R. Seward, N. 37° 13′, W. 76° 48′			57	13.9		wnw.			1		8		nw.	0	0			cloudy.
U. S. Fish Com. S.S Fish Hawk, Washington, D.C.†.	29.83	757.7	53	11.7		e.			1		10		calm	0.04	1.0	sm'h		cloudy.
Bk. Fred W. Carlon, N. 28° 15′, W. 70° 15′†	29.91	759.7	78	25.6		sw.			4		10		sw.	6 h'r	6 h'r	r'gh	w.	cloudy.
S. Ismir, N. 27° 09′, W. 69° 42′						wsw.			5		6		wsw.	1 h'r	1 h'r	r'gh		fine.
Bk. Gloire, N. 42° 10′, W. 32° 15′	30.25	768.3	56	13.3	80	ne.			2				n.	0	0	long	e.	clear.
Bk. George Davis, Gallopar Light, North Sea						ese.			2				e.	0	0	sm'h		
S. Hedwig, N. 38° 38′, E. 5° 44′	29.72	754.8	61.9	16.6	88	wsw.			6		3		wsw.	0	0	3	wsw.	fair.
Bk. Hattie G. McFarland, Pascagoula, Miss.			60	15.6		w.			2		4		n.	0	0			fine.
S. Henry, N 38° 16′, E 5° 06′*.	29.71	754.6	59.5	15.3		w.			6		6 k					5–6	w.	hazy.
Bk. Horace Scudder, N. 1° 02′, E. 3° 24′			83	28.3		s.			2		5		sw.	0	0			fair.
Bk. Ibis, N. 27° 20′, W. 72° 50			74	23.3		sw.			2		4		sw.	0	0	mod.	se.	fine.
Schr. Jennie N. Huddell, Georgetown, D.C†.	29.85	758.2	50	10.0		ene.			1		10		ne	light	light			light rain.
Bg John Wesley, Sagua la Grande, Cuba, W. I *†.	30.05	763.3				n.			2		3		n.	½ h'r	½ h'r			fair.
Bg. John Welsh, jr., N. 25° 56′, W. 71° 15′	29.99	761.7				nnw.			2		10		n.			sm'h	sw.	raining.
Schr. John Bird, N. 37° 11′, W. 74° 00′						nne.			6		10		n.	5 h'r	5 h'r	h'vy		
Schr. Jenny Greenbank, N. 27° 55′, W. 73° 40′ *.	29.90	759.4	67	19.4		wnw.			3		3		wnw.	3 h'r	3 h'r	mod.	wnw.	fair.
Schr. Jennie R. Morse, Darien, Ga†.	29.94	760.5				wnw.			5		4		wnw.	0	0			fine.
Light-house tender Laurel, Alligator Light, Fla†.	30.00	762.0	72	22.2		nnw.			3–4		1		nnw.	0	0			clear.
Bkt. Levanter, Barbadoes, W. I.	30.01	762.2	81	27.2		ne.			2		1			0	0			clear.
Bkt. Levi S. Andrews, N. 37° 28′, W. 56° 18′ *†.	29.96	761.0	68.5	20.3		s.			1		8		s.	0	0	mod.	se.	cloudy.
Schr. Norena, Ponce, Porto Rico, W. I†	30.15	765.8				nne.			1		2		ene.	0	0	sm'h		
Bk. Rosalie, N. 17° 36′, W. 56° 16′*†.	30.00	762.0				nne.			1		0			¼ h'r	¼ h'r	light	nnw.	clear.
Bk. Rosina, N. 31° 27′, W. 21° 25′	30.11	764.8	66	18.9		e.			2		5		s.	0	0	mod.	n.	
S Salisbury, N. 37° 07′, E. 16° 04′.	29.00	751.7	65.3	18.5	83	n			3		0			0	0	mod	ne.	clear.
Bk Saga, N. 50° 25′, W. 16° 29′			52.5	11.4					6		4		n.	1¼ hr	1¼ hr	6		fair.
Bk. Sunbeam, N. 22° 42′, W. 30° 05′†.	30.02	762 5	72	22.2	85	s.			6		1		nw.	0	0	mod	wnw.	clear.
Bgt. Sunlight, N. 28° 35′, W. 60° 29′	29.96	761.0				ssw.			2		1		wnw.	0	0	sm'h		clear.
S. St. David, off Tuskar Light, Ireland.			52	11.1	72	se.			1		6		ese.	0	0			fine.
Bk. Silica, N. 61° 09′, W. 48° 28′											10			snow	snow			snowing.
Bg. Teneriffe, N. 25° 43′, W. 77° 56′						wnw.			6		2			0	0		wnw.	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†.	30.10	764.5	75	23.9		n.			2		2		n.	1 h'r	1 h'r			clear
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, St Helena Island, Africa.	29.80	756.9	77	25.0	77	ese.	4	1.8			2		ese.	0.36	9.1	sm'h		fair.
H. M. S. Amethyst, Rio de la Plata	29.68	753.9	69.5	20.8	97	se.			1		10							rain & mist.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.97	761.2	69	20.6		calm			0		1		nne.					blue sky.
H. M. S. Sylvia, Cape of Good Hope, Cape Colony	29.91	759.7	76	24.4	69	calm			0		4		calm					d. clouds.
Bk. Aureola, S. 2° 05′, W. 26° 00′†.	30.01	762.2	89	31.7	66	se.			1		3			½ h'r	½ h'r	mod.	s.	clear.
Bk. Achille F., S. 36° 30′, W. 55° 45′*†.	29.83	757.7	65.5	18.6	94	calm			0		9			0	0			overcast.
S. Gatherer. S. 52° 24′, W. 62° 42′†.	29.22	742.2	44	6.7	91	sw.			1		1			½ h'r	½ h'r	sm'h	se.	clear.
Bkt. Rosebud, S. 0° 30′, W. 25° 28′*.	29.77	750.1	84	28.9		n.			1		2		se.	1 h'r	1 h'r	short	se.	showery.
S. Ringleader, S. 31° 45′, W. 30° 00′†.	30.05	763.3	70	21.1	85	sse.			6		9		e.	16 h'r	16 h'r	mod.	e.	cloudy.
Bk. Xenia, S. 42° 31′, E. 17° 55′*†.	30.01	762.3	57	13.9		w.			1		7		w.	9 h'r	9 h'r	mod.	w.	cloudy.
H.P.M.S.Rainha de Portugal, Benguela, Benguela.	29.77	756.2	80.6	27.0	77	wnw.			5		1			0	0	3		blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska†.	29.81	757.2	46	7.8	82	ene.			1		10							light rain.
U. S. Naval Hospital, Yokohama, Japan	30.07	763.8	60.5	15.8	68	sw.			5		1		w.	0	0			clear.
U. S. S. Alert, Shanghai, China.	29.70	754.4	69	20.6	90	s.			1		10							rainy.
U. S. S. Enterprise, Canton, China.	29.88	758.9	77	25.0	91	ese.			4		0							clear.
U. S. S. Essex, N. 16° 24′, E. 159° 33′	30.04	763.0	78	25.6	91	ne.			5		2					sm'h	ne.	clear.
U. S. S. Juniata, Fernando Island, Corea	29.81	757 2	54	12.2	92	n.			2		10			h'vy	h'vy			foggy.
U. S. S. Monocacy, Canton, China	29.88	758.9	76	24.4	95	se.			4		0			light	light			clear.
U. S. S. Ranger, Fonseca Bay, C.A	30.00	762.0	81	27.2	78	calm			0		5			0	0	sm'h		fair.
U S. S. Trenton, N. 4° 22′, E. 106° 05′.	29.83	757.7	86	30.0	96	ne.			3		5					sm'h		fair.
H. M. S. Audacious, Hong Kong, China	29.95	760.7	78	25.6	95	sse.			1		8		sse.					misty.
H. M. S. Cleopatra, N. 37° 39′, E. 126° 35′.	29.81	757.2	60	15.6	94	calm			0		10		sw.			1		rain & fog.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	29.92	760.0	68.8	20.4	89	sw.			1		10							d. clouds.
H. P. M. S. Tamega, Macao, China	29.92	760.0	80.6	27.0	84	e.			6		9			1 h'r	1 h'r			d. clouds.
U. S. S. Palos, Shanghai, China	29.66	753.4	64	17.8	100	sse.			2		10		calm					cloudy.
S. S. Newbern, N. 28° 28′, W. 115° 14′			50	13.3	94	wnw.			4		4?		nw.	0	0	small	wnw.	cloudy?
S. S. City of Chester, Hookton, Cal †.	30.29	769.4	49	9.4	100	calm			0		10			rain	rain			rainy.
S. S. Oregon, N. 40° 31′, W. 124° 39′			51	10.6	72	nnw.			2		2		nnw.			mod.	w.	clear.
S. S. Willamette, N. 44° 42′, W. 124° 55′†.	30.21	767.3	50	10.0	86	w.			3		8		wnw.	0.05	1.3	high	wsw.	squally.
S. S. Alameda, Honolulu, Sandwich Islands †.	30.02	762.5	70	21.1		ne.			2		10			0	0			
S. S. City of Pekin, N. 40° 17′, W. 129° 21′†.	30.40	772.1	53	11.7	67	wnw.			2		10		sw.	0	0	mod.	wnw.	cloudy.
S. S. City of Rio de Janeiro. N. 30° 43′, E. 129° 38′†.	30.10	764.5	09	26.6		s.			3		4		ssw.	0	0	small	s.	fair.
S. S. City of Tokio, N. 37° 50′, W. 173° 15′†.	29.93	760.2	59	15.0	82	sse.			5		10		sse.	5 h'r	5 h'r	h'vy	sse.	raining.
S. S. Colima, Panama, Panama†.	29.99	761.7	75	23.9	86	nw.			2		5		nw.	0	0			fair.
S. S. San Blas, N. 17° 22′, W. 101° 50′	29.97	761.2	76	24.4	95	calm			0		2		calm	0	0		wsw.	clear.
S. S. San José, N. 17° 08′, W. 100° 55′†.	29.96	761.0	77	25.0	82	e.			2		3		ene.	c	0	small	se.	fair.
S. S. Zealandia, N. 3° 48′, W. 164° 43′.	29.96	761.0	81	27.2	78	ese.			4		1		e.					clear.
S. S. Benalder, N. 31° —′, E. 127° —′	29.98	761.5	68	20.0	84	sse.			4		3		w.	0	0	mod.	sse.	fair.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao, Peru.	30.01	762.2	70	21.1	95	calm			0		10					sm'h		cloudy.
U. S. S. Lackawanna, Callao, Peru.	29.98	761.5	70	21.1	90	calm			0		10							cloudy.
U. S. S. Onward, Callao, Peru *†.	30.10	764.5	68	20.0	95	calm			0		10					long	w.	cloudy.
U. S. S. Pinta, Valparaiso, Chili.	30.04	763.0	62	16.7	94	calm			0		10		calm					cloudy.
U. S. S. Shenandoah, S. 49° 07′, W. 74° 25′*.	29.30	745 7	43	6.1	100	nw.			1		10		calm			sm'h		cloudy.
U. S. S. Wachusetts, Valparaiso, Chili.	30.01	762.2	59	15.0	100	calm			0		5		calm			long		clearing.
H. M. S. Nelson, Sydney, N.S.W.	29.71	751.0	59	15.0	100	calm			0		10							raining.
H. M. S. Sappho, Valparaiso, Chili.	30.05	763.3	60	15.6	100	nw.			1		7		ssw.			1	nw.	d. clouds.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′.	29.97	761.2	62	16.7		calm			1		10							misty.
S. S. Australia, S. 34° 20′, E. 158° 47′ *.	29.88	758.9	69	20.6	95				0		6		nne.	2 h'r	2 h'r			
District No. 5—Indian Ocean.																		
U. S. S. Richmond, S. 4° 27′ E. 106° 35′.	29.87	758.7	82	27.8	91	sse.			2		5		s.	0.1	3.	sm'h		fair.
H. M. S. Euryalus, Massuah, Abyssinia.	29.76	755.9	85	29.4	92	ne.			2		0		calm					d. clouds
H. M. S. Magpie, S. 4° 37′, E. 55° 27′.	29.79	756.7	84.7	29.3	74	e.			1		0		nnw.					d. clouds.
H. M. S. Myrmidon, Suakin, Egypt.	29.81	757.2	84	28.9	87	e.			3		0							blue sky.
Bk. Childwall, off Kingston N.S.W.*.	30.08	764.0	59	15.0	82	w.			4		4		w.	0	0			fine.
S. Frank N. Thayer, S. 41° 17′, E. 24° 14′ *.	29.85	758.2	67.5	19.7	76	wnw.			4	7 ck		w.		0	0	light	w.	d. clouds.
S. J. W. Gildemeister, S. 27° 10′, E. 47° 10′.	30.05	763.3	75.2	24.0	66	ene.			3		3 k			½ h'r	½ h'r	4	var.	d. clouds
Bk. Nouva Margherita, S. 22° 14′, E. 73° 26′*†.	29.90	759.4				ne.			2				n.	0	0		s.	fair.
S. S. Lepanto, Bombay, India	29.81	757.2	89	31.7		n.			3		4		n.	0	0			clear.

International Chart I. April 25, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 26, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Kemours	.....	.....	29.91	759.8	62.6	17.0	82	w.	.....	.....	2	.....	6	.....	.....	0.283	7.2	cloudy	Roziere.
Algiers	.....	.....	29.84	757.9	65.5	18.6	71	wsw.	.....	.....	5	.....	0	.....	.....	0.339	8.6	clear	Thève.
La Calle	.....	.....	29.77	756.1	63.7	17.6	74	nw.	.....	.....	4	.....	4	.....	.....	0.717	18.2	cloudy	Fonfrède.
Tunis	.....	.....	29.80	756.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.91	759.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.88	759.0	64.8	18.2	.....	s.	.....	.....	2	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.87	758.7	69.8	21.0	60	nw.	.....	.....	2	.....	4	.....	.....	0	0	cloudy	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.29	769.4	56.0	13.3	74	s.	4	1.8	.....	.....	10 k	.....	.....	0.262	6.6	cloudy	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.83	757.7	30.02	762.5	50.5	10.3	75	nw.	10	4.5	.....	.....	7	.....	w.	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	30.10	764.5	30.19	766.8	52.8	11.6	95	sse.	3	1.3	.....	.....	10	.....	.....	0.06	1.5	showery	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.14	740.1	29.68	753.9	55.9	13.3	60	se.	.....	.....	2	.....	7	.....	.....	0.532	13.5	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.89	733.9	29.67	753.5	46.6	8.1	93	w.	3.8	1.7	.....	.....	10	.....	.....	0.500	12.7	.....	Dr. Wierzbiski
Eperies	28.78	731.0	29.64	752.9	57.2	14.0	84	calm	.....	.....	0	.....	10 s	.....	.....	0.409	10.4	.....	Julius Mikolik.
Gratz	28.48	723.3	29.72	754.9	53.8	12.1	63	s.	.....	.....	1	.....	10	.....	.....	0.358	9.1	.....	Andreas Rospini.
Hermannstadt	28.27	718.0	29.68	753.9	55.6	13.1	71	sse.	.....	.....	3	.....	10	.....	.....	0.098	2.5	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.33	719.5	29.65	753.1	53.2	11.8	68	e.	.....	.....	2	.....	6	.....	.....	0	0	.....	The Staff.
Lemberg	28.81	731.7	29.80	756.9	46.8	8.2	66	se.	.....	.....	4	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.55	750.6	29.66	753.4	64.0	17.8	61	sse.	.....	.....	4	.....	5	.....	.....	0.047	1.2	.....	I. R. Hydrographic Office.
Szathmar	29.18	741.1	29.63	752.6	59.9	15.5	66	W.	.....	.....	4	.....	9	.....	.....	0.346	8.8	.....	Joseph Midlinsky, S. J
Szegedin	29.38	746.3	29.66	753.4	55.0	12.8	85	s.	.....	.....	1	.....	10	.....	.....	0.094	2.4	.....	Karl Stancel.
Trieste	29.58	751.4	29.68	753.9	55.8	13.2	86	se.	.....	.....	1	.....	10	.....	.....	0.488	12.4	.....	Royal Academy.
Vienna	29.01	736.9	29.72	754.8	54.7	12.6	47	nw.	.....	.....	2	.....	2	.....	.....	0.157	4.0	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	43.9	6.6	83	ne	.....	.....	2	.....	3	.....	.....	0	0	.....	
Brussels	29.60	751.9	29.81	757.1	45.9	7.7	61	wsw.	.....	.....	1	.....	10	.....	nw.	0.012	0.3	.....	
Furnes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	
Maseyck	29.66	753 4	29.79	756.6	43.5	6.4	86	nw.	.....	.....	2	.....	10	.....	.....	0	0	.....	
BRITISH.																			
Aberdeen	29.70	754.4	29.80	756.9	45.1	7.3	53	sse.	15	6.7	.....	.....	2	.....	.....	0	0	blue sky	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.74	755.4	50.8	10.4	37	wnw.	7	3.1	.....	.....	3	.....	.....	.....	.....	blue sky	John Hartnup.
Bolton, Sharples	29.21	741.9	29.75	755.6	42.5	5.8	72	n.	3	1.3	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.36	745.7	29.76	755.9	45.1	7.3	72	s.	.....	.....	2	.....	7	.....	.....	0.01	0.3	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.95	760.7	29.98	761.5	83.0	28.3	67	ne.	.....	.....	2	.....	2	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	48.2	9.0	60	W.	.....	.....	0.6	.....	6	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E.	29.66	753.4	29.83	757.7	50.3	10.2	61	calm	.....	.....	0	.....	10	.....	.....	.....	.....	gloomy	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.61	752.1	29.84	757 9	46.0	7.8	80	sw.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.51	698.7	29.82	757.4	86.8	30.4	35	ne.	.....	.....	1	.....	0	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.69	754.1	29.73	755.1	50	10.0	58	wnw.	.....	.....	2	.....	5	.....	.....	0.04	1.0	d. clouds	Wm. Ryan.
Gibraltar, Mediterranean	29.91	759.7	30.02	762.5	58.8	14.9	88	nw.	.....	.....	4	.....	4	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.63	752.6	29.80	756.9	53.6	12.0	49	calm	.....	.....	0	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.57	751.1	29.87	758.7	48.0	8.9	60	W.	.....	.....	1	.....	4	.....	.....	0.40	10.2	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	29.78	756.4	29.82	757.4	49.2	9.6	41	sw.	9	4.0	.....	.....	9	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.52	749.8	29.77	756.1	48.4	9.1	61	n.	.....	.....	1	.....	9	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.82	757.4	29.89	759.2	67.4	19.7	62	nw.	.....	.....	2	.....	3	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	29.97	761.2	30.02	762.5	73.0	22.8	52	n.	.....	.....	2	.....	5	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.57	751.1	29.80	756.9	50.0	10.0	65	ssw.	.....	.....	2	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.75	755.6	29.83	757.7	53.0	11.7	61	sw.	.....	.....	4	.....	10	.....	.....	.....	.....	overcast	John Merrifield.
Sandwick Manse, Orkneys	29.66	753.4	29.76	755.9	47.7	8.7	72	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	blue sky	Rev. C. Clouston L.L.D
Scutari Cemetery, Turkey	29.64	752.8	29.70	754 4	53.4	11.9	90	nne.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	W. H. Lyne.
Sheffield	29.51	749.5	29.80	756.9	45.3	7.4	74	ne.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	29.71	751.6	29.74	755.4	48.0	8.9	76	sse.	.....	.....	1	.....	10	.....	.....	0.040	1.0	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.77	756.1	40.3	4.6	78	wsw.	7	3.1	.....	.....	10	.....	.....	0.125	3.2	raining	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	44.7	7.1	76	s.	.....	.....	0.5	.....	10	.....	.....	.....	.....	d. clouds	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.76	755.9	29.79	756.7	48.9	9.4	64	wnw.	12	5.4	.....	.....	10	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.56	750.8	29.95	760.7	66.2	19.0	54	W.	4.3	1.9	.....	9 c	0	W.	.....	0	0	cloudy	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.86	758.4	29.97	761.2	72.6	22.6	93	e.	11	4.9	.....	10 n	.....	.....	sw.	0.227	5.8	raining	The Staff.
CANADIAN.																			
Bathurst, N. B	29.74	755.4	29.78	756.4	45.0	7.2	.....	calm	0	0	.....	10 n	.....	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.62	752.3	29.66	753.4	39	3.9	93	ne.	10	4.5	.....	10 n	.....	.....	.....	0.470	11.9	drizzling	H. J. Cundall, C. E.
Chatham, N. B*	29.67	753 6	29.73	755.1	39	3.9	89	ne.	5	2.2	.....	10 s	.....	.....	ne.	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.60	751.8	29.79	756.7	47.3	8.5	60	e.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	29.72	754.9	29.77	756.1	36.0	2.2	.....	W.	.....	.....	1	.....	10 s	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec*	29.80	756.9	29.82	757.4	35	1.7	96	ne.	10	4.5	.....	5 c	hz.	.....	.....	0	0	hazy	J. McWilliams.
Fort Garry, Manitoba*	28.78	731.0	29.62	752.3	35	1.7	100	nw.	10	4.5	.....	.....	10 n	.....	.....	0.26	6.6	misty	James Stewart.
Fredericton, N. B	29.66	753.4	29.72	754 9	43.3	6.3	82	ne.	7	3.1	.....	.....	10 s	.....	.....	inap	inap.	overcast	Dr. Thos. Harrison.
Grand Manan, N. B	29.58	751.3	29.63	752.6	41	5.0	92	n.	8	3.6	.....	.....	10 n	.....	.....	0.53	13.5	light rain	J. Chipman Seeley
Granton, Ontario	28.85	732.8	29.97	761.2	41.0	5.0	74	calm	0	0	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.47	748.5	29.60	751.8	43	6.1	96	n.	5	2.2	.....	.....	10 s	.....	.....	0.520	13.2	cloudy	A. Allison.
Hamilton, Ontario	29.43	747.5	29.84	757.9	45.5	7 5	80	ne	.....	.....	1	4 ck	0	.....	nw.	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.55	750.6	29.88	758.9	52	11.1	50	n.	6	2.7	.....	0	0	.....	.....	0	0	hazy	A. P. Knight, M. A
Little Glace Bay, N. S	29.52	749.8	29.56	750.8	36.2	2.3	98	ne.	.....	.....	2	.....	10 n	.....	.....	0	0	fogky	C. H. Rigby.
London, Ontario	29.02	737.1	29.96	761.0	41.9	5.5	60	calm	.....	.....	0	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.44	697 0	29.78	756.4	30	— 1.1	96	W.	20	8.9	.....	.....	10 n	.....	.....	0.02	0.5	cloudy	John Ewart.
Minnedosa, N. W. T	27.69	703.3	29.65	753.1	31	— 0.6	100	calm	0	0	.....	.....	fg.	.....	.....	0.04	1.0	dense fog	Rev. J. M. Wellwood.
Montreal, Quebec*	29.60	751.8	29.80	756.9	52	11.1	35	n.	10	4.5	.....	0	0	.....	.....	0	0	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.62	752.3	29.84	757.9	48.6	9.2	54	nnw.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McCill, M. A.
Parry Sound, Ontario*	29.20	741.7	29.92	760.0	37	2.8	89	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	Rev. R. Mosley.
Peterboro, Ontario	29.13	739.9	29.86	758.4	51.7	10.9	39	ne.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Wm. O'Connor, M.A.
Port Arthur	29.04	737.6	29.76	755.9	37	2.8	82	calm	0	0	.....	0	0	.....	.....	0	0	hazy	W. P. Cooke.
Port Dover, Ontario	29.20	741.7	29.89	759.2	49	9.4	78	n	7	3.1	.....	0	0	.....	.....	0	0	clear	H. Morgan.
Port Stanley, Ontario	29.27	743.4	29.92	760.0	44	6.7	51	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27.40	695.9	29.09	754.1	34	1.1	.....	nw.	12	5.4	.....	0	9 n	.....	nw.	0	0	cloudy	Leslie Gordon.
Quebec, Quebec*	29.43	747.5	29.79	756.7	47	8.3	74	calm	0	0	.....	0	0	.....	.....	0	0	clear	Capt. A. he, R. N.
Rockliffe, Ontario*	29.45	748.0	29.92	760 0	36	2.2	61	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	29.56	750.8	29.62	752.3	44	6.7	91	ne.	5	2.2	.....	.....	10 n	.....	.....	0.17	4.3	light rain	
St. John, N. B	29.50	749.3	29.65	753.1	42.0	5.6	92	n.	12	5.4	.....	.....	10 n	.....	.....	0.175	4.4	drizzling	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.72	755.0	40.6	4.8	.....	e.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.21	741.9	29.93	760.2	42	5.6	65	calm	0	0	.....	0	0	.....	.....	0	0	clear	
Stratford, Ontario	28.68	728.5	29.97	761.2	47.7	8.7	44	ne.	3.0	1.3	.....	0	0	.....	.....	0	0	blue sky	W. McBride, A.M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	29.59	751.6	29.65	753 1	36	2.2	96	n.	4	1.8	.....	.....	10 h	.....	.....	0.22	5.6	light fog	T.C.Hill, C.E.
Toronto, Ontario*	29.53	750 0	29.91	759.7	52	11.1	30	n.	15	6.7	.....	0	0	.....	.....	0	0	clear	Magnetic Observatory.
Woodstock, Ontario	28.88	733.5	29.95	760.7	48.3	9.1	47	nw.	5.0	2.2	.....	0	0	.....	.....	0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.49	749.0	29.56	750.8	47	8.3	92	ne.	5	2.2	.....	.....	10 k	....	ne.	0.003	0.8	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.03	762.7	30.06	763.5	67.0	19.4	97	sw.	.....	.....	.....	0	8 k	.....	.....	0	0	fine	I. Garfelt.
Cape Town, The Castle	29.90	759.4	.....	.....	74.0	23.3	52	se.	.....	.....	.....	0	4 ks	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.88	708.1	.....	.....	70	21.1	62	.....	.....	.....	.....	.....	.....	.....	.....	0.25	6.3	.....	J. T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	55.4	13.0	92	w.	.....	.....	1	5 k	.....	w.	.....	0.283	7.2	fair	Leon Herrera.
Valparaiso	29.83	757.7	29.97	761.3	58.6	14.8	80	s.	.....	.....	1	0?	0?	.....	.....	0	0	cloudy?	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.20	767.0	30.22	767.6	52.3	11.3	71	nne.	6.3	2.8	.....	.....	5	.....	.....	0.516	13.1	cloudy	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.55	750 6	29.60	751.8	43.9	6.6	83	s.	16	7	.....	.....	10	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	29.64	752.8	29.66	753.3	41.9	5.5	97	nw.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	Overloerer Lauridsen.
Godthaab, Greenland	29.43	747.5	29.47	748.6	16.8	— 8.6	.....	n.	.....	.....	4	.....	10	.....	.....	.....	.....	snowing	S. Kleinschmidt.
Ivigtut, Greenland	29.61	752.0	29.63	752.5	32.2	0.1	.....	s.	.....	.....	2	.....	10	.....	.....	.....	.....	snowing	
Stykkisholm, Iceland	29.69	754.0	29.73	755.1	38.5	3.6	75	e.	.....	.....	6	.....	5	.....	.....	.....	.....	raining	A. O. Thorlacius.
Thorshavn	29.69	754.1	29.71	754.7	44.2	6.8	93	nw.	7	3.	.....	.....	10	....	.....	.....	.....	snowing	Overloerer Bergh.
Upernavik, Greenland	29.62	752.4	29.67	753.6	18.1	— 7.7	.....	calm	.....	.....	0	.....	10	....	.....	.....	.....	raining	
Vestervig	29.56	750.8	29.65	753 1	41.2	5.1	86	n.	.....	.....	4	.....	10	.....	.....	.....	.....	.....	Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.58	751.4	.....	.....	104.9	40.5	.....	sw.	5.4	2.4	.....	.....	.....	.....	.....	0	0	....	Albert Ismatun, Dir.
FRENCH.																			
Agen, Normal School	29.19	741.5	29.85	758.1	55.4	13.	66	wnw.	.....	.....	2	3 c	.....	.....	.....	0	0	.....	M. Labroue, Director.
Alençon, Normal School	29.35	745.4	29.90	759.4	51.4	10.8	93	n.	.....	.....	1	5 ck	.....	.....	s.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.58	751.2	29.82	757.4	50.0	10	42	wnw.	.....	.....	2	.....	5	.....	nw.	0	0	cloudy	M. Ungerer, Director.
Avignon, Normal School	29.56	750.7	29.63	752.7	58.6	14.8	47	nnw.	.....	.....	2	.....	.....	.....	.....	0.04	1.	.....	M. Giraud, Director.
Bar-sur-Seine	29.26	743.2	29.82	757.5	47.7	8.7	44	e.	.....	.....	1	.....	10 k	.....	nw.	0	0	covered	M. Saillard, Director.
Beauvais, Normal School	29.59	751.5	29.85	758.3	50.4	10.2	37	nne.	.....	.....	2	.....	8	.....	nne.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	29.10	739.0	29.74	755.3	59.0	15.0	76	ne.	.....	.....	1	.....	.....	.....	sw.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.58	751.2	29.84	757.8	54.1	12.3	47	nnw.	.....	.....	1	.....	2	.....	n.	0	0	slightly cl'dy	M. Rayet, Director.
Bourges, Normal School	29.33	745.0	29.89	759.1	48.9	9.4	48	n.	.....	.....	1	.....	8	.....	n.	0	0	very cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.71	754.6	29.95	760.8	56.1	13.4	64	wsw.	.....	.....	2	.....	4	....	wsw.	0	0	.....	M. de Kermaree, Dir.
Caen, Normal School	29.74	755 4	29.82	757 3	53.2	11.8	83	w.	.....	.....	1	.....	5	.....	w.	0	0	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	.....	.....	.....	.....	50.7	10.4	64	nw.	.....	.....	2	.....	5	.....	.....	0	0	cloudy	M. Jadot, Director.
Charleville, Normal School	29.29	743.9	29.81	757.1	48.9	9.4	66	ne.	.....	.....	1	.....	8	.....	n.	0	0	¼ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.40	721.3	29.75	755.6	50.9	10.5	35	nnw.	.....	.....	4	.....	2	.....	n.	0	0	.....	M. Alluard, Director.
Cluny, Normal School	28.89	733.9	29.80	756.8	55.4	13.	35	n.	.....	.....	4	.....	2	.....	n.	0	0	.....	M. de Villemontée, Dir.
Commercy, Normal School	28.97	735.7	29.82	757.3	46.2	7.9	43	nw.	.....	.....	1	.....	kn	nw.	nw.	0	0	.....	Dr. Coulet, Director.
Gap, Normal School	27.69	588.2	29.61	752.1	51.8	11	69	e.	.....	.....	1	.....	6 kn	....	.....	0.110	2.8	.....	M. Jarach, Director.
Gréasque, du Rhone	28 49	723.6	29.59	751.5	61.0	16.1	73	w.	.....	.....	2	.....	5	.....	w.	0.04	1.	.....	M. Kina, Director.
Grenoble, Normal School	28.93	734.9	29.69	754.2	55.0	12.8	50	nw.	.....	.....	4	.....	kn	.....	n.	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28.23	717.0	29.80	757 0	50.9	10.5	50	ne.	.....	.....	1	.....	.....	.....	.....	0	0	.....	M. Delorme, Dir.
Lamballe Normal School	29.62	752.4	29.90	759.4	50.7	10.4	62	w.	.....	.....	1	.....	5 k	.....	w.	0	0	cloudy	M. Pollpre, Dir.
Lescar, Normal School	29.30	744.2	29.86	758.4	57.7	14.3	28	nw.	.....	.....	6	ck	8 n	nnw.	nw.	0.004	0.1	very cloudy	M. Chauvin, Director.
Lorient, Naval Observatory	29.84	757.9	29.94	760.5	53.6	12.0	57	sw.	.....	.....	2	.....	2	.....	w.	0.346	8.8	¼ covered	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28.66	727.9	29.71	754.5	52.9	11.6	34	n.	.....	.....	4	.....	2 n	.....	nne.	0	0	slightly cl'dy	M. André, Director.
Mans, Normal School	29.55	750.6	29.86	758.5	48.4	9 1	50	nne.	.....	.....	4	.....	5 kn	.....	n.	0	0	cloudy	M. Richard, Director
Marseille, Observatory	29.32	744.7	29.58	751.4	60.1	15.6	39	wnw.	.....	.....	2	.....	7	.....	ene.	0.079	2.0	.....	M. Stephan, Director.
Montlouis	24.51	622.5	29.35	745 5	37.0	2.8	69	nw.	5.6	2.5	.....	.....	6	nw.	.....	0.992	25.2	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.49	749.1	29.60	751.9	64.8	18.2	57	w.	.....	.....	2	.....	2	nnw.	.....	0.386	9.8	slightly cl'dy	M. Gaizin, Director.
Nancy, Normal School	29.01	736 8	29.79	756.7	47.8	8.8	42	nne.	.....	.....	1	.....	k	.....	.....	0	0	.....	M. Hasse, Director.
Nantes, Observatory	29.77	756.2	29.93	760.3	52.9	11.6	40	nne.	.....	.....	0-1	.....	10 kn	.....	nne.	0	0	.....	M. Larocque, Director.
Perpignan, Observatory	29 59	751.6	29.71	754 5	53.8	12.1	52	nw.	18.6	8.3	.....	.....	10	.....	.....	0.661	16.8	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20.85	529.7	.....	.....	16.7	— 8.5	.....	nw.	.....	.....	1	.....	.....	.....	nw.	0.138	3.5	foggy	M. Vaussenat, Director.
Privas, Normal School	28.63	727 1	29.68	753.8	57.7	14.3	18	n.	.....	.....	6	.....	2	.....	.....	0	0	slightly cl'dy	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.84	631.0	.....	.....	30.6	— 0.8	76	ne.	.....	.....	2	.....	5 k	.....	ne.	0	0	.....	M. Alluard.
Rochefort, Naval Obs'y	29.84	758.0	29.68	753.8	59.4	15.2	36	nne.	.....	.....	1	.....	5	.....	nne.	0	0	¼ covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.66	753.4	29.87	758.8	53.6	12.	56	ne.	.....	.....	1	.....	.....	nw.	nw.	0	0	.....	M. Brotlier, Director.
Rodez, Normal School	29.95	760.8	29.69	754.2	56.7	13.7	52	nw.	.....	.....	1	.....	5	.....	se.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.83	757.6	29.87	758.8	50.7	10.4	56	nnw.	.....	.....	1	.....	5	.....	nnw.	0	0	cloudy	M. Mouillot, Dir.
Saint Maur, Observatory	29.70	754 3	29.86	758.5	46.6	8.1	46	nnw.	.....	.....	2	.....	1	....	n.	0	0	clear	M. Renou, Director.
Toulouse, Observatory	29.06	738.2	29.78	756.5	56.8	13 8	45	w.	.....	.....	4	.....	5	nw.	.....	0.224	5.7	cloudy	M. Baillaud, Director.
Tours	29.69	754.0	29.87	758.6	53.6	12.0	43	n.	.....	.....	1	.....	8	ese.	e.	0	0	very cloudy	M. de Tastes.
Versailles, Observatory	29.36	745.8	29.85	758.3	46.4	8.0	46	n.	.....	.....	1	.....	.....	....	.....	0	0	.....	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.75	755 6	29.90	759.4	55.2	12.9	38	nw.	23.7	10.6	.....	c	3 k	.....	nw.	0	0	.....	M. Carlier, Director.
GERMAN.																			
Ansbach	28.30	718.8	29.75	755.6	47.8	8.8	43	w.	.....	.....	2	.....	6	w.	.....	0	0	.....	Prof. Jnedt.
Bamberg	28.92	734.6	29.76	755 8	50.9	10.5	60	e.	.....	.....	1	.....	3 k	.....	e.	0	0	.....	Prof. Dr. Hoh.
Berlin	29.54	750.3	29.09	754.0	47.1	8.4	57	sw.	.....	.....	2	.....	9	.....	.....	0	0	.....	Meteorological Institute
Breslau	29.24	742.6	29.76	756.0	48.0	8.9	53	nw.	.....	.....	2	.....	2	ssw.	.....	0.047	1.2	.....	Royal University Obs'y
Carlsruhe	29.32	744.6	29.77	756.2	50.4	10.2	46	n.	.....	.....	1	.....	5	nw.	.....	0	0	.....	Albert Senz.
Cassel	29.04	737.6	29.75	755 7	43.5	6.4	56	sw.	.....	.....	2	.....	7	s.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.41	746.9	29.77	756 1	48.6	9.2	56	sw.	.....	.....	1	.....	10	.....	.....	0.051	1.3	.....	Physical Society.
Friedrichshafen	28.29	718.6	29.70	754.3	52.2	11.2	64	w.	.....	.....	2	.....	6	w.	.....	0.445	11.3	.....	Wilhelm, Chief Tel.
Hamburg	29.59	751.6	29.68	753.9	45.0	7.2	68	wsw.	.....	.....	3	.....	5	.....	.....	0.059	1.5	.....	E. Preller.
Kiel	29.62	752.3	29.63	752.7	42.6	5.9	82	wsw.	.....	.....	1	.....	9	.....	.....	0.236	6.0	.....	Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.34	745.1	29.76	755.9	47.8	8.8	56	w.	.....	.....	2	.....	9	w.	.....	0.016	0.4	.....	H. Leppig, Asst.
Magdeburg	29.52	749.9	29.71	754.7	47.5	8.6	63	w.	.....	.....	3	.....	7	sw.	.....	0	0	.....	Weather Observatory.
Memel	29.83	757.6	29.87	758.8	51.1	10.6	55	s.	.....	.....	5	10 cs	n.	.....	.....	.....	.....	.....	Issermann.
Munich	27.86	707.7	29.71	754.5	49.5	9.7	52	ne.	.....	.....	2	.....	9	sw.	.....	0	0	.....	Central Station.
Neufahrwasser	29.73	755.2	29.76	755.9	42.8	6.0	96	se.	.....	.....	2	.....	10	.....	.....	0.142	3.6	light rain	A. Lothes.
Neustadt, Palatinate	29.22	742.2	29.74	755.4	48.0	8.9	57	ne.	.....	.....	1	.....	10	.....	.....	0	0	.....	Prof. Dicknether.
Stuttgart	28.79	731.2	29.68	753.9	50.9	10.5	47	n.	.....	.....	1	.....	5	n.	.....	0	0	.....	Dr. L. Meyer.
Wustrow	29.60	751.8	29.62	752.4	41.9	5.5	83	sw.	.....	.....	2	.....	10 s	.....	.....	0.197	5.0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.38	746.2	29.75	755.7	73.9	23.3	.....	nw.	.....	.....	2.0	1	.....	.....	.....	0	0	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.82	757.4	29.87	758.7	82.3	27.9	72	wsw.	28.0	12.5	.....	.....	2	wsw.	.....	0	0	misty	
Deesa	29.33	744.9	29.78	756.5	99.5	37.5	11	nne.	10.0	4.5	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.79	756.6	29.82	757.5	85.1	29.5	69	nw.	19.0	8.5	.....	.....	0	.....	.....	0	0	blue sky	
Poona, Yarrowda	27.98	710.6	29.77	756.2	95.8	35.4	16	ne.	5.0	2.2	.....	.....	0	.....	.....	0	0	d. clouds	
Trichinopoly	29.57	751.0	29.84	757.9	97.5	36.4	33	ne.	0.3	0.1	.....	.....	5	nne.	nne.	0	0	d. clouds	
Bellary	28.32	719.3	29.74	755.3	97.0	36.1	18	e.	6.0	2.7	.....	.....	2	.....	.....	0	0	d. clouds	
Seigaum	27.29	693.2	29.78	756.5	85.1	29.5	38	wsw.	4.0	1.8	.....	.....	7	.....	e.	0	0	d. clouds	
Lahore	29.02	737.1	29.74	755.4	97.2	36.2	22	calm	0	0	.....	.....	0	.....	.....	0	0	blue sky	
Roorkee	28.84	732.4	29.70	754 4	97.6	36.4	12	calm	1.0	0.4	.....	.....	0	.....	.....	0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec.	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
INDIAN.—Continued.																			
Agra	29.25	742.9	29.79	756.7	100.6	38.1	8	w.	2.0	0.9			0			0	0	blue sky	
Nagpur	28.78	731.1	29.80	756.8	94.3	34.6	19	e.	7.0	3.1			5		w.	0	0	d. clouds	
Jubbulpore	28.47	723.1	29.78	756.5	95.2	35.1	17	calm	0	0			7		W.	0	0	d. clouds	
Lucknow	29.39	746.5	29.75	755.7	100.4	38.0	13	wsw.	10.0	4.5			0			0	0	misty	
Allahabad	29.43	747.6	29.73	755.2	99.2	37.3	16	nw.					10			0	0	overcast	
Patna	29.57	751.0	29.75	755.6	95.3	35.2	33	ne.	8.3	3.7			2	ne.	ne.	0	0		
Hazaribagh	27.78	705.6	29.72	755.0	93.5	34.2	12	wsw.	4.0	1.8			9	W.		0	0	d. clouds	
Cuttack	29.75	755.6	29.83	757.6	88.1	31.2	55	wnw	5.0	2.2			6			0	0	d. clouds	
Calcutta, Alipore	29.79	756.8	29.82	757.3	86.2	30.1	68	ssw.	8.0	3.6			6		s.	0	0	d. clouds	
Chittagong	29.79	756.6	29.88	758.9	81.7	27.6	78	w.	4.0	1.8			1			0	0	d. clouds	
Sibsagar	29.58	751.3	29.92	759.9	77.5	25.3	80	sw.	2.0	0.9			4			0	0	blue sky	
Jeypore	28.37	720.6	29.77	756.0	97.5	36.4	12	wnw.	13.8	6.2			0			0	0	blue sky	
Zanzibar	29.86	758.4			73.9	23.3	93	sse.	9.0	4.0			10		sse.			raining	
ITALIAN.																			
Udine	29.27	743.5	29.68	753.8	55.9	13.3	70	ne.	16.1	7.2			10			1.185	30.1		Prof. Giovanni Olodig.
Milan	29.13	739.8	29.64	752.8	51.1	10.6	84	se.	8.1	3.6			10	se.		0.150	3.8		Prof. G.V.Schiapparelli
Padua	29.58	751.4	29.69	754.1	52.7	11.5	90	nne.	4.3	1.9			10			0.831	21.1		Prof. Dott. Lorenzoni.
Moncalieri	28.73	729.7	29.62	752.4	51.1	10.6	88	e.	4.9	2.2			10	n.		0.114	2.9		Prof. F. F. Denza.
Genoa	29.41	747.0	29.60	751.9	58.6	14.6	62	sw.	6.3	2.8			10	sw.		0.028	0.7		Prof. G. M. Garibaldi
Pesaro	29.62	752.3	29.67	753.5	57.2	14.0	70	s.	6.9	3.1			10	sw.		0.228	5.8		Prof. Luigi Guidi.
Florence	29.45	747.9	29.70	754.3	51.3	10.7	88	e.				2	10	s.		0.398	10.1		Prof. Costantino Pittei.
Leghorn	29 52	749.9	29.61	752.0	57.0	13.9	79	s.	3.1	1.4			10	sw.		0.764	19.4		Prof. P. Monte.
Rome	29.56	750.8	29.73	755.2	64.8	18.2	52	wsw.	21.7	9.7			8	sw.		0.197	5.0		Prof. P. Tacchini.
Lecce	29.53	750.0	29.78	756.3	66.9	19.4	40	wsw.	21.0	9.4			3	w.		0	0		Prof. C. de Giorgi.
Cosenza	28.95	735.2	29.83	757.6	61.5	16.4	77	ssw.	2.5	1.1			7	sw.		0.287	7.3		Prof. D. Conti.
Palermo	29.61	752.2	29.86	758.4	68.2	20.1	40	wsw.	13.0	5.8			2	w.		0	0		Prof. G. Cacciatore
Syracuse	29.72	755.0	29.77	756.1	76.8	24.9	60	wnw.	7.4	3.3			4	wnw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.27	743.5			60.3	15.7	74	wsw.	14.3	6.4			8	wsw.		0.201	5.1		Prof. F. Brioschi.
Stelvio	21.76	552.8			35.6	2.0	71	ne.				2	10			0.272	6.9	covered	Prof. P. F. Denza.
Valdobbia	21.78	553.2			26.6	— 3.0	82	sw.				3	10			0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.46	748.4	29.49	749.0	55.9	13.3	82	se.				2	10n;k			0.366	9.3	raining	H. Hattori.
Awomori	29.46	748.3	29.49	749.0	45.3	7.4	91	n.	5.8	2.6			10 s			0.138	3.5	overcast	K. Ogawa.
Hakodate	29.57	751.1	29.58	751.4	41.0	5.0	94	ese.	24.0	10.7			10 n			0.721	18.3	raining	Y. Souma.
Hamamatsu	29.59	751.6	29.69	754.1	62.4	16.9	97	sw.				6	10 n			0.807	20.5	raining	Sekigawa & Yamazaki.
Hiroshima, I. M. Obs'y	29.73	755.1	29.74	755.5	59.0	15.0	83	sw.	4.2	1.9		6 cs	0			2.299	58.4	fair	Y. Okamoto.
Kagoshima	29.91	759.7	29.92	760 0	59.5	15.3	79	nw.				2	10 s			1.324	33.6	overcast	
Kanazawa	29.63	752.6	29.73	755.2	55.9	13.3	85	ssw.	11.4	5.1			10 n			0.123	3.1	raining	S. Endo.
Kioto	29.49	749.0	29.66	753.4	63.5	17.5	95	s.	2.7	1.2			10 s			0.935	23.7	cloudy	M. Tojima.
Kochi	29.69	754.1	29.71	754.6	66.0	18.9	61	nw.	12.8	5.7		0	7 s			1.328	33.7	cloudy	K. Kusunose.
Miasaka	29.84	757.8	29.86	758.5	62.5	16.9	66	w.				2	10 s		w.	0.803	20.4	cloudy	K. Masusaki & T. Ishitain.
Miyako	29.50	749.3	29.61	752.1	42.6	5.9	97	ene.	1.1	0.4			10 s			0.020	0.5	cloudy	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.70	754 4	29.90	759 4	57.5	14.2	82	w.	4.2	1.9		0	0			0.310	7.9	clear	
Nemuro	29.82	757.4	29.87	758.7	33.1	0.6	94	se.	12.0	5.4			10 n					raining	A Shibuya.
Niigata	29.53	750.0	29.57	751.1	62.8	17.1	76	sw.	13.8	6.2			10 n		w.	0.110	2.8	light rain	Satoo & Tomikawa.
Nobiru	29.55	750 5	29.56	750.9	55.0	12.8	89	sw.	26.2	11.7			10 ks			0	0	covered	Yoshino & Midzushima.
Numadzu	29.64	752.8	29.68	753.8	67.1	19.5	79	ssw.				9	10 n			0.378	9.6	raining	T. Ohgi.
Osaka	29.67	753.6	29.69	754.1	60.3	15.7	92	sw.	11.0	4.9			9s;ks			0.340	8.6	cloudy	H. Omura.
Saga	29.82	757 4	29.84	758.0	57.2	14.0	82	nw.	8.3	3.7		0	0			0.435	11.0	clear	A. Matsuhayashi.
Sakai	29.68	754.0	29.69	754 2	54.6	12.6	85	w.				2	0	4 ks	w.	0.264	6.7	fair	Yamawchi & Sakamoto.
Sapporo	29.48	748.9	29.55	750.6	45.9	7.7	90	s.	16.5	7.3			10 n					raining	S. Kimura.
Shimonoseki	29.66	753.2	29.80	756.9	58.1	14.5	79	sw.				4	0	0		0.677	17.2	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.63	752.6	29.70	754.4	61.6	16.4	93	sse.	24.1	10.7			10 n			0.098	2.5	raining	The Staff.
Wakayama	29.66	753.3	29.71	754.6	63.0	17.2	88	calm	0	0			rock;s			0.566	14.4	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.72	754.9	29.91	759.7	78.4	25.8	78	wsw.	10.0	4.5		4c;cs	8knks	nw.	w;n.	0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.36	617.2	30.00	762.0	55.0	12.8	66	nne.	0.9	0.4		4 c	1 s	w.		0	0	fair	M. Leal & M. Pina
Mazatlan	29.70	754.5	29.97	761.2	68.0	20.0	90	ene.	1.0	0.8		0	0			0	0	foggy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29 82	757.5	29.82	757.5	47.3	8.5		wnw.			4					0	0		
Groningen	29.65	753.2	29.71	754.6	45.5	7.5		n.			1					0.035	0.9		
Helder	29.76	756 0	29.76	756.0	44.2	6.8		nw.			4					0.067	1.7		
Hellevoetsluis	29.79	756.6	29.79	756.6	48.6	9.2	56	nnw.			2					0	0		
Utrecht	29.75	755.6	29.80	756.8	45.3	7.4	78	w.			2		10			0.016	0.4	covered	H. van der Brink.
Sub-series.																			
Batavia, Java	29.89	759.3			78.8	26.0	78	ne.	0.5	0.2			9			0.012	0.3		Lt. J. J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	29.72	754.8	29.78	756.4	47.5	8.6	30	nne.	4	2			0			0	0		
Brono	29.85	758.2	29.89	759.2	50.0	10.0	28	s.			6		0			0	0		
Christiania	29.66	753.4	29.81	757.2	43.2	6.2	67	ene.	9	4			10			0	0		
Gjæsvær	29.75	755.7	29.78	756.3	39.2	4.0		ssw.			6		10			0	0		
PORTUGUESE.																			
Funchal, Madeira	30.11	764.7	30.20	767.0	62.6	17.0	43	ne.	9.4	4.2			6	n		0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.70	754.3	30.04	762.9	56.8	13.8	54	nnw.	18.6	8.3			6			0.146	3.7		The Staff.
Ponta Delgada, Azores	30.23	767.8	30.30	769 6	61.9	16.6	52	e.	7.4	3.3			4			0	0		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.89	759.2	29.93	760.1	71.8	22.1	75	ne.			3		1			0	0		
San Salvador, Congo																			
Serra da Estrella	25.15	638.8	30.03	762 7	32.5	0.3	98	nw.	12.5	5.6			9			0.047	1.2	foggy	
RUSSIAN.																			
Akmolinski	28.87	733.4	29.97	761.3	42.3	5.7	76	nnw.	13	6		0	7 kn			0	0		Major K. Lasarew.
Archangel	30.28	769 2	30.30	769.7	34.0	1.1	50	ese.	2	1		0	0			0	0		Capt. Sselliwerstow.
Ashurada	29.92	760.0	29.83	757.6	61.3	16.3	89	wnw.	9	4			10 n			0.291	7.4		
Astrakhan	30.03	762.7	29.95	760.8	52.7	11.5	48	ene.	13	6			10 s;n			0	0		Capt. Wisganow.
Baku	29.85	758.3	29.81	757.1	63.1	17.3	59	n.	9	4		0	0						
Barnaul	29.37	745.9	29.85	758.2	63.1	17.3	46	sw.	13	6			10			0.122	3.1		Meteorological Office.
Bielosersk	29.91	759 6	30.39	772.0	34.5	1.4	52	wnw.	7	3		0	0			c	0		
Dorpat	29.89	759 3	30.14	765.6	48.6	9.2	44	ese.	16	7		10 cs	0			blank	blank	hazy	Rosenthal.
Ekaterimburg	29.19	741.4	30.19	766.9	33.4	0.8	31	nw.	13	6		0	0			inap.	inap.		Meteorological Obs'y.
Elisawetgrad	29.48	748.7	29.94	760.4	39.4	4.1	77	e.	11	5			10 s;n						
Kasalinsk	29.64	752.9	29.82	757.4	72.5	22.5	43	nne.	11	5									Butkewitsch.
Kasan	29.91	759.6	30.18	766.6	45.1	7.3	41	wsw.	11	5		0	6 k			0	0		Observatory.
Kem	30.21	767.4	30.26	768.7	37.0	2.8	50	s.	16	8			0			0	0		
Kertch	29.65	753.0	29.67	753.6	53.1	11.7	86	calm	0	0			10 n			0.047	1.2		Lagorio & Sastyrea.
Kieff	29.32	744.6	29.96	760.9	47.1	8.4	59	ene.	22	10			10ks;n			0	0		Observatory.
Koslov	29.71	754.6	30.23	767.8	40.8	4.9	55	ne.	9	4		0	1 s			0	0		
Lgov	29.57	751.1	30.17	766.2	46.4	8.0	52	ene.	36	16			3			0	0		R. I. Ssawoljew, Enzin'r.
Liban	29.82	757.4	29.84	758.0	51.1	10.6	48	ese.	18	8			10			0	0		E. Quuss.
Lugan	29.72	754.9	29.93	760.3	34.5	1.4	89	e.	34	15			10			0.469	11.9		Meteorological Obs'y.
Moscow	29.80	757.0	30.30	769.5	43.9	6.6	30	wnw.	4	2		0	0			0	0		Meteorological Obs'y.
Nertschinsk	27.83	706.9	30.18	766.5	37.0	2.8	33	calm	0	0			5			0	0		
Nikolaiev	29.73	755.1	29.80	756.9	41.9	5.5	86	ne.	31	14			10 n			0	0		Capt. Kurdakow.

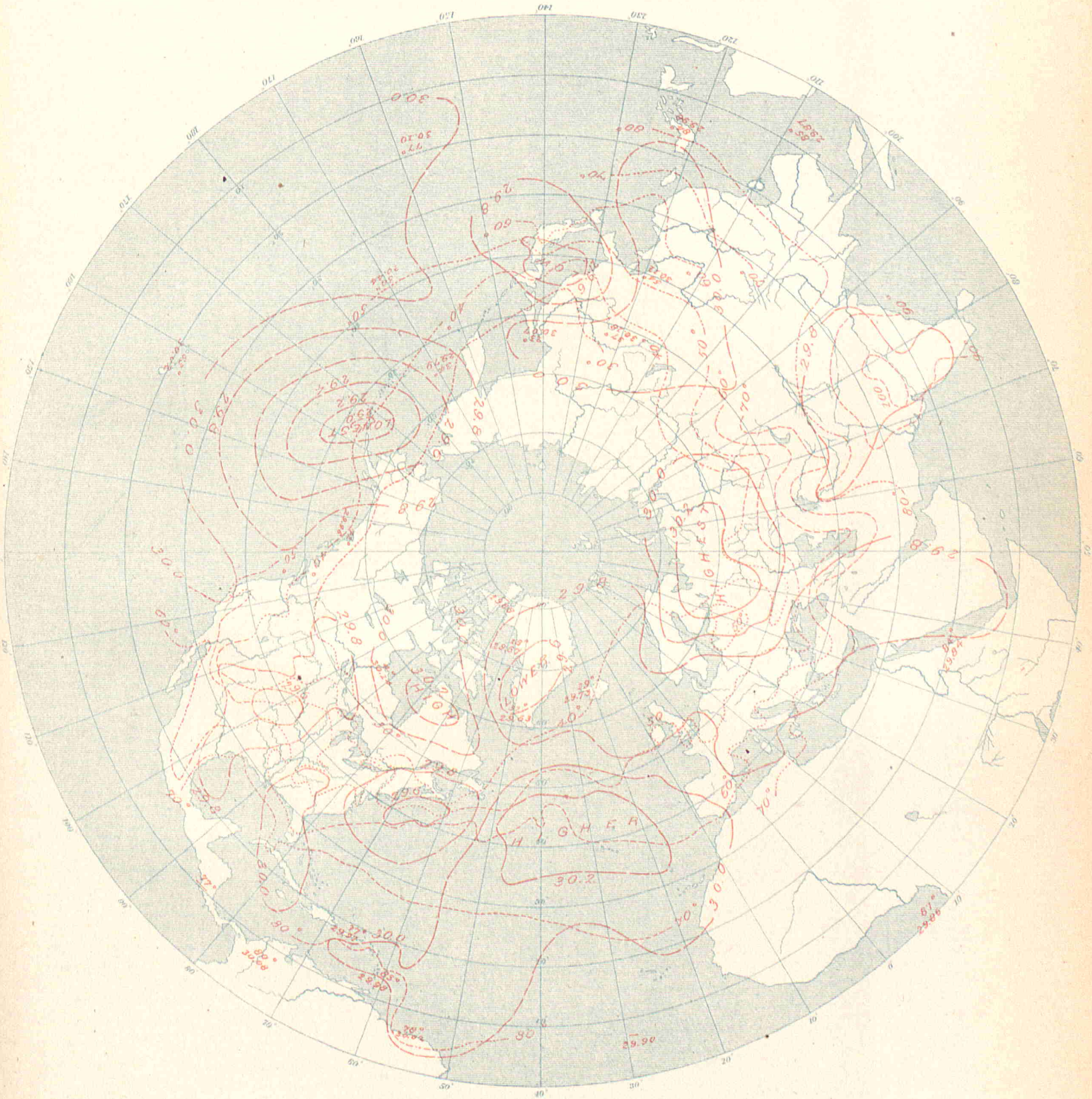
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.98	761.5	30.07	763.7	22.6	— 5.2	93	calm	0	0	.....	0	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.97	761 3	30.11	764.9	54.1	12.3	30	nw.	2	1	.....	0	1 s	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.46	748.3	29.79	756.7	83.5	28.6	18	se.	2	1	.....	.....	10 ks	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.15	765.9	30.36	771.2	32.7	0.4	75	ese.	16	7	.....	0	0	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.44	747.8	29.94	760.5	47.8	8.8	58	se.	13	6	.....	0	8 k	.....	.....	0	0	.....	
Poti	29.01	752.2	29.65	753.0	79.5	26.4	72	e.	9	4	.....	.....	5 ks	.....	.....	0	0	.....	
St. Petersburg	30.24	768.2	30.27	768.8	50.2	10.1	23	sse.	16	7	.....	0	0	.....	.....	0	0	.....	Central Physical Obs'y.
Samarkand	27.43	696.6	29.81	757.1	69.4	20.8	68	s.	7.8	3.5	.....	0	7 n	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.30	744.2	29.93	760.2	70.7	21.5	34	w.	4	2	.....	.....	3	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.48	748.8	29.59	754.1	55.0	12.8	74	nnw.	16	7	.....	.....	9 n	.....	.....	0	0	.....	
Staroi Bykhov	29.54	750.4	30.10	764.6	50.9	10.5	41	ese.	20	9	.....	0	0	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.24	717.3	29.84	757.9	72.9	22.7	51	nw.	4	2	.....	.....	10 k	.....	.....	.....	.....	.....	Terch, A. at
Tiflis	28.37	720.6	29.74	755.4	68.5	20.3	52	se.	2	1	.....	.....	9	.....	.....	0.035	0.9	thund'r st'm	Physical Observatory
Vernoe	27.42	696.4	29.82	757.4	71.2	21.8	48	calm	0	0	.....	0	7 k	.....	.....	.....	.....	.....	Larionow.
Viatka	29.52	749.8	30.17	766 2	42.3	5.7	48	calm	0	0	.....	.....	2	.....	.....	0	0	.....	
Vladivostock	29.46	748.3	29.53	750.0	34.3	1.3	85	n.	22	10	.....	.....	10 n	.....	.....	1.024	26.0	.....	
Warsaw	29.34	745.3	29.77	756.2	45.0	7.2	87	se.	16	7	.....	.....	10 n	.....	.....	.....	.....	h'vy clouds.	Astronomical Obs'y.
Yeniseisk	29.58	751.2	29.86	758.5	44.1	6.7	75	ssw.	2	1	.....	.....	5	.....	.....	0.138	3.5	raining	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.69	754.1	30.22	767.6	46.4	8.0	39	e.	2.4	1.1	.....	0	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.65	753.0	29.76	755.8	52.3	11.3	79	n.	4.5	2.0	.....	.....	10	.....	.....	.....	.....	rainy	B. Jella.
Bilbao, Met. Obs'y	29.89	759.1	29.95	760.6	52.3	11.3	76	nw.	2.0	0.9	.....	.....	10	.....	.....	0.161	4.1	covered	Angel de Uralde.
Burgos, Met. Obs'y	26.94	684 2	29.9	761.6	41.7	5.4	79	n.	3.1	1.4	.....	.....	9	.....	.....	0.232	5.9	almost cov'd	Domingo Martin.
Madrid, Royal Obs'y	27.64	702.1	29.87	758.8	54.0	12.2	69	e.	9.6	4.3	.....	.....	9	.....	.....	0.020	0.5	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.71	754.5	29.83	757.7	59.5	15.3	58	wnw	5.4	2.4	.....	3	5	se.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.08	738.6	29.98	761.4	55.4	13.0	61	nw.	4.9	2.2	.....	.....	9	.....	.....	0.350	8.9	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	29.99	761.7	30.06	763.4	67.1	19.5	85	se.	2.7	1.2	.....	0	2 k	.....	nnw.	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.93	760.1	29.98	761.6	83.5	28.6	68	se.	6.6	3.0	.....	0	s	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.99	761.7	30.09	764.3	57.0	13.9	66	wnw.	10.8	4.8	.....	0	3	.....	w.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.87	758.8	29.97	761.1	77.0	25.0	83	e.	4.0	1.8	.....	3 s	0	se.	.....	0	0	clear	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.09	764.2	30.13	765.2	39.2	4.0	97	s.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Umea	30.06	763.4	30.11	764.7	43.5	6.4	48	sw.	.....	.....	2	.....	9	.....	.....	0	0	.....	
Hernosand	30.04	763 0	30.09	764.3	43.5	6.4	62	calm	.....	.....	0	.....	8	.....	.....	0	0	.....	
Stockholm	29.72	754.8	29.89	759.3	45.0	7.2	55	se.	.....	.....	7	10	10	.....	.....	0	0	.....	
Wisby	29.76	756.0	29.82	757.5	42.8	6.0	76	se.	.....	.....	6	.....	10	.....	.....	0.051	1.3	raining	
Sub-series.																			
Upsala	29.80	756.9	29.88	759.0	49.3	9.6	47	ese.	16.3	7.3	.....	.....	7	.....	ene.	0.047	1.2	raining	H.H.Hildebrandsson
Swiss																			
Geneva	28.25	717.8	29.69	754.2	51.8	11.0	51	n.	.....	.....	2	.....	2	.....	.....	0	0	clear	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.72	755.0	51.8	11.0	86	n.	11	5.0	.....	.....	10	.....	ne.	0.126	3.2	.....	The Observatory.
Valona	.....	.....	29.91?	759.6?	71.2	21.8	.....	s.	.....	.....	2	.....	5	.....	.....	0.12	3.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.76	756.0	73.8	23.2	63	ne.	.....	.....	1	10c;cs	0	nw.	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.65	753 1	29.73	755.1	57	13.9	53	n.	6	2.7	.....	0	8 ks	.....	n.	inap.	inap.	cloudy	J. O. Barnes.
Alpena, Michigan	29.28	743.7	29.97	761.2	40.8	4.9	48	w.	4	1.8	.....	0	fg.	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.86	631 4	29.78	756 4	32.4	0.2	77	e.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. B. Turton.
Assinnaboine, Ft., Montana	26.97	685.0	29.88	758.9	32.7	0.4	92	ne.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	J.J.O'Connor.
Atlanta, Georgia	28.86	733.0	30.06	763.5	51.0	10.6	59	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	29.66	753 4	29.67	753.6	51.5	10.8	93	nw.	2	0.9	.....	.....	10 s	.....	.....	0.31	7.9	cloudy	B.A.Blundon.
Augusta, Georgia	29.85	758.2	30.04	763.0	51	10.6	81	w.	2	0.9	.....	0	0	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	29.70	754.4	29.76	755.9	58.5	14.7	45	n.	10	4.5	.....	3 ck	4 k	nw.	nw.	0.37	9.4	fair	Geo. W. Felger.
Barnegat City, New Jersey	29.66	753.4	29.68	753.9	50.4	10.2	94	n.	8	3.6	.....	.....	10 n	.....	n.	0.28	7.1	light rain	J.P.Sherry.
Bennett, Fort, Dakota	28.07	713.0	29.71	754.0	40.2	4.6	95	calm	0	0	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	A. Pritchard.
Benton, Fort, Montana	27.06	687.3	29.92	760.0	30.0	— 1.1	100	ne.	4	1.8	.....	.....	10 s	.....	nw.	0	0	threatening	C.S.Bennett.
Bismarck, Dakota	27.86	707.6	29.74	755 4	36.2	3.4	100	calm	0	0	.....	.....	10 s	.....	.....	0.01	0.3	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.62	752.3	29.65	753.1	44.0	0.7	100	ne.	11	4.9	.....	.....	10n;fg	.....	ne.	0.13	3.3	light rain	J. T. Elker.
Boise City, Idaho	27.11	688.0	29.95	760.7	38.0	3.3	71	se.	1	0.4	.....	2 c	0	w.	.....	inap.	inap.	clear	James Kenealy.
Boston, Massachusetts	29.50	749.3	29.66	753.4	46.4	8.0	100	n.	8	3.6	.....	.....	10 n	.....	ne.	0.55	14.0	light rain	O. B. Cole.
Brownsville, Texas	29.68	753.9	29.74	755 4	71.0	21.7	90	se.	21	9.4	.....	.....	10 s	.....	se.	0	0	cloudy	John McGlone.
Buffalo, New York	29.15	740.4	29.92	760.0	36.5	2.5	83	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	D.Cuthbertson.
Buford, Fort, Dakota	27.68	703.1	29.78	756.4	34.2	1.2	94	w.	6	2.7	.....	2 cs	3 s	w.	.....	inap.	inap.	fair	A. Schneider.
Cairo, Illinois	29.57	751.1	29.98	761.5	56.6	13.7	48	se.	10	4.5	.....	0	7 ks	.....	sw.	0	0	fair	W. H. Ray.
Canby, Fort, Washington Ter	29.70	754.4	29.90	759.4	45.8	7.7	88	e.	19	8.5	.....	0	5 ks	.....	.....	0.07	1.8	fair	J.H.Young.
Cape Henry, Virginia	29.73	755.1	29.75	755.6	53.0	11.7	72	w.	12	5.4	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	29.65	753.1	29.68	753.9	49.8	9.9	93	nw	13	5.8	.....	.....	10 s	.....	nw.	0.20	5.1	cloudy	W.E.Smith.
Cape Mendocino, California	29.20	741.7	29.88	758.9	42.6	5.9	100	se.	19	8.5	.....	.....	10 n	.....	.....	0.17	4.3	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.04	763.0	30.06	763.5	59.3	15.2	65	nw.	5	2.2	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	29.88	758.9	29.94	760.5	53.0	11.7	77	nw.	9	4.0	.....	0	0	.....	.....	0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.10	739.1	29.96	761.0	51.8	11.0	87	nw.	5	2.2	.....	0	fg	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.20	741.7	30.03	762 7	50.0	10.0	76	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear	B. L. Gouldins.
Cheyenne, Wyoming	23.72	602.5	29.74	755.4	30.1	— 1.1	88	n.	16	7.2	.....	.....	10 n	.....	.....	0.90	22.9	light snow	E. McGovern.
Chicago, Illinois	29.22	742.2	29.95	760.7	50.9	10.5	51	se.	3	1.3	.....	0	0	.....	.....	0	0	clear	T.B.Jennings.
Chincoteague, Virginia	29.08	753.9	29.70	754.4	50.1	10.1	96	nw.	9	4.0	.....	5 c	3 k	.....	.....	0.43	10.9	cloudy	C. F. Dickens
Cincinnati, Ohio	29.34	745.2	30.01	762 2	49.5	9.7	75	calm	0	0	.....	0	0	.....	.....	0	0	clear	L.Dunne.
Cleveland, Ohio	29.23	742.4	29.99	761.7	45.8	7.7	56	sw.	2	0.9	.....	0	sk.	.....	sw.	0	0	clear	W.Line.
Columbus, Ohio	29.12	739.6	29.99	761.7	45.9	7.7	58	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	F.T. Williams.
Concho, Fort, Texas	27.81	706.4	29.75	755.6	57.9	14.4	77	s.	6	2.7	.....	0	0	.....	.....	0	0	clear	C. E. King.
Custer, Fort, Montana	26.62	676.1	29.80	756.9	37.3	2.9	82	w.	5	2.2	.....	.....	hz.	.....	.....	0	0	dense haze	W.J.Daily.
Davenport, Iowa	29.14	740.1	29.81	757.2	52.0	11.1	64	se.	17	7.6	.....	1 cs	4 s	w.	sw.	0	0	fair	R. R. Martin.
Davis, Fort, Texas	25.05	637.0	29.86	758.4	56.0	13.3	77	sw.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington T'y	28.20	716 3	29.96	761.0	36.0	2.2	92	s.	3	1.3	.....	.....	10 s	.....	.....	0.20	5.1	cloudy	H.S.Blandford.
Deadwood, Dakota	25.12	638 0	29.81	757.2	39.0	3.9	76	se.	2	0.9	.....	.....	10 s	.....	.....	0.04	1.0	cloudy	G.Kingsbury.
Delaware Breakwater, Del	29.69	754.1	29.71	754.6	49.2	9.6	94	nw.	11	4.9	.....	.....	10s;fg	.....	nw.	0.72	18.3	cloudy	G.A.Martin.
Denver, Colorado	24.45	621.0	29.72	754.9	36.2	2.3	94	n.	8	3.6	.....	.....	10 s	.....	.....	0.41	10.4	cloudy	F. M. Neal.
Des Moines, Iowa	28.76	730.5	29.69	754.1	52.3	11.3	64	se.	10	4.5	.....	3 cs	3 s	nw.	.....	0.05	1.3	fair	F. W. Conrad.
Detroit, Michigan	29.27	743 4	30.00	762.0	52.1	11.2	72	calm	0	0	.....	0	0	.....	.....	0	0	clear	N.B.Conger.
Dodge City, Kansas	26.86	682.2	29.50	749.3	51	10.6	74	sw.	12	5.4	.....	3 cs	0	.....	.....	0	0	clear	J.E.Lanouette.
Dubuque, Iowa	29.13	739.9	29.86	758 4	50.2	10.1	62	s.	4	1.8	.....	3 cs	hz.	w.	.....	0	0	clear	A.W.Browne.
Duluth, Minnesota	29.09	738.9	29.86	758.4	40.0	4.4	52	ne.	6	2.7	.....	0	8 s	.....	.....	0	0	cloudy	E.R.Brace.
Eastport, Maine	29.58	751.3	29.65	753.1	44.0	6.7	93	n.	7	3.1	.....	.....	10 n	.....	n.	0.29	7.4	light rain	D. C. Murphy.
Elliott, Fort, Texas	26.82	681.2	29.60	751.8	59	15.0	21	sw.	12	5.4	.....	.....	1c s	.....	sw.	0	0	cloudy	J. C. Rickli.
El Paso, Texas	26.10	662.9	29.84	757.9	52.4	11.3	31	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	F.Belford.
Erie, Pennsylvania	29.20	741.7	29.95	760 7	46.8	8.2	94	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	P.Wood.
Escanaba, Michigan	29.18	741.2	29.87	758.7	40.5	4.7	65	s.	7	3.1	.....	0	sk.	.....	.....	0	0	dense smoke	L.M.Pindell.
Fort Smith, Arkansas	29.23	742.4	29.71	754.6	63.5	17.5	78	s.	9	4.0	.....	.....	10 s	.....	s.	0	0	cloudy	J. B. Campbell.
Galveston, Texas	29.81	757.2	29.85	758.2	70.6	21.4	82	s.	12	5.4	.....	.....	10 ks	.....	s.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.28	743.7	29.97	761 2	41.5	5.3	69	e.	1	0.4	.....	0	hz.	.....	.....	0	0	dense haze	Joseph E. Mueller
Grant, Fort, Arizona	25.10	637.5	29.83	757.7	48.4	9.1	25	e.	3	1.3	.....	.....	0	.....	.....	.....	.....	clear	Chas. A. Read.
Hatteras, North Carolina	29.77	756.1	29.78	756.4	53.2	11.8	86	nw.	13	5.8	.....	3 c	hz.	nw.	.....	inap.	inap.	clear	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
United States.—Cont'd.																			
Helena, Montana	25.66	651.8	29.88	758.9	39.5	4.2	44	w.	4	1.8		0	8 s		w.	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.22	716.8	29.68	753.9	45.2	7.3	92	nw.	9	4.0			10 n			0.18	4.6	light rain	S. W. Glenn.
Indianapolis, Indiana	29.17	740.9	29.99	761.7	47.0	8.3	66	calm	0	0		0	hz.			0	0	dense haze	C. F. R. Wappenhans.
Indianola, Texas	29.73	755.1	29.76	755.9	68.8	20.4	88	s.	28	12.5		3 cs	2 k	w.	s.	0	0	fair	L. A. Reed.
Jacksonville Florida	29.97	761.2	30.01	762.2	56.8	13.8	72	nw.	5	2.2		0	0			0	0	clear	J. W. Smith.
Keokuk, Iowa	29.13	739.9	29.80	756.9	52.8	11.6	62	se.	15	6.7		0	5 k		s.	0	0	fair	F. Z. Gosewisch.
Key West, Florida	30.04	763.0	30.06	763.5	69.8	21.0	59	n.	10	4.5		0	7 k		n.	0	0	fair	J. Harvey Smith.
Kittyhawk, North Carolina	29.75	755.6	29.77	756.1	52.8	11.6	75	nw.	14	6.3		2 ck	0	nw.		0.03	0.8	clear	Wesley Blake.
Knoxville, Tennessee	28.99	736.3	30.03	762.7	43.8	6.6	97	calm	0	0		0	fg.			trap.	trap.	clear	J. A. Ody.
La Crosse, Wisconsin	29.05	737.9	29.85	758.2	54.0	12.2	50	s.	8	3.6		2 cs	3 s		s.	0	0	fair	S. C. Emery.
Leavenworth, Kansas	28.69	728.7	29.60	751.8	56.5	13.6	78	se.	17	7.6			10 s		se.	0.03	0.8	threatening	C. Dill.
Lewiston, Idaho	29.11	739.4	29.96	761.0	43.2	6.2	80	ne.	1	0.4			10 s			0	0	cloudy	C. E. Butler.
Little Rock, Arkansas	29.51	749.5	29.83	757.7	59.0	15.0	81	se.	2	0.9		0	0			0	0	clear	W. U. Simons.
Los Angeles, California	29.58	751.3	29.98	761.5	52.5	11.4	86	e.	5	2.2		0	5 s			0	0	fair	T. S. Collins.
Louisville, Kentucky	29.41	747.0	29.98	761.5	51.8	11.0	73	calm	0	0		0	sk.			0	0	dense smoke	E. B. Garriott.
Lynchburg, Virginia	29.18	741.2	29.89	759.2	54.5	12.5	55	nw.	6	2.7		0	0			0.01	0.3	clear	Jno. Healy.
Mackinaw City, Michigan	29.27	743.4	29.95	760.7	38.1	3.4	76	s.	3	1.3			hz.			0	0	dense haze	D. B. Notson.
Macon, Fort, North Carolina	29.82	757.4	29.83	757.7	52.2	11.2	76	nw.	17	7.6		0	0			0.09	2.3	clear	William Daly.
Maginnis, Fort, Montana	25.36	644.1	29.80	758.4	34.8	1.6	49	nw.	7	3.1		0	5 k		nw.	0	0	fair	F. Burke.
Marquette, Michigan	29.10	739.1	29.85	758.2	51.0	10.6	40	sw.	16	7.2			10 s		sw.	0	0	cloudy	J. Gilligan.
Memphis, Tennessee	29.59	751.6	29.93	760.2	62.0	16.7	96	se.	7	3.1		hz.	hz.			0	0	dense haze	D. T. Flannery.
Milwaukee, Wisconsin	29.16	740.7	29.93	760.2	50.0	10.0	53	sw.	7	3.1		0	sk.			0	0	clear	S. W. Rhode.
Mobile, Alabama	29.98	761.5	30.02	762.5	57.8	14.3	86	s.	1	0.4		0	0			0	0	clear	H. U. Jones.
Montgomery, Alabama	29.82	757.4	30.05	763.3	51.1	10.6	90	n.	1	0.4		1 ck	fg.	nw.		0	0	clear	S. M. Leitzell.
Moorhead, Minnesota	28.62	726.9	29.64	752.8	43.8	6.6	94	calm	0	0			fg.			0.01	0.3	dense fog	L. M. Dey.
Mt. Washington, N. H.	23.47	596.1	29.88	758.9	27.5	— 2.5	95	ne.	40	17.9			10 s		ne.	0.09	2.3	cloudy	E. A. Beals.
Nashville, Tennessee	29.43	747.5	30.01	762.2	47.0	8.3	86	se.	1	0.4		0	fg.			trap.	trap.	clear	L. N. Jesunofsky.
New Haven, Connecticut	29.57	751.1	29.69	754.1	48.1	8.9	97	n.	4	1.8			10 n		n.	0.17	4.3	light rain	J. H. Sherman.
New London, Connecticut	29.62	752.3	29.67	753.6	48.8	9.3	100	calm	0	0			10 n			0.12	3.0	light rain	J. G. Lynch.
New Orleans, Louisiana	29.91	759.7	29.97	761.2	64.2	17.9	77	se	5	2.2		0	0			0	0	clear	M. Herman.
New York, New York	29.51	749.5	29.69	754.1	51.6	10.9	89	calm	0	0			10n; fg			0.05	1.3	light rain	W. Finn.
Norfolk, Virginia	29.71	754.6	29.74	755.4	55.8	13.2	70	nw.	8	3.6		0	0			trap.	trap.	clear	Wm. Davis.
North Platte, Nebraska	26.58	675.1	29.54	750.3	46.6	8.1	83	n.	20	8.9			10 s			0	0	cloudy	E. F. Brady.
Olympia, Washington T'y	29.92	760.0	29.96	761.0	42.0	5.6	82	calm	0	0		0	0			0.07	1.8	clear	J. Dascomb
Omaha, Nebraska	28.38	720.8	29.59	751.6	55.0	12.8	77	se.	6	2.7		0	8 ks		s.	0.04	1.0	cloudy	A. Pollak
Oswego, New York	29.52	749 8	29.86	758.4	43.5	6.4	83	w.	4	1.8		0	hz.			0	0	clear	J. G. Linsley.
Palestine, Texas	29.24	742.7	29.80	756.9	60.2	19.0	89	s.	17	7.6			10 s		s.	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	29.99	761.7	30.02	762.5	59.0	15.0	84	w	4	1.8		0	sk.			0	0	clear	M. McGauran.
Philadelphia, Pa	29.60	751.8	29.73	755.1	52	11.1	90	nw.	8	3.6		5 ck	5s; fg	nw.	nw.	0.07	1.8	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.38	441.4	29.66	753.4	1.0	—17.2	91	nw.	20	8.9			10 s		nw.	trap.	trap.	cloudy	H. Hall.
Pittsburg, Pennsylvania	29.10	739.1	29.93	760.2	46.7	8.2	59	nw.	3	1.3		0	0			trap.	trap.	clear	O. D. Stewart.
Poplar River, Montana					33.7	0.9	70					0	0			0.01	0.3	clear	Geo. A. Carden.
Port Huron, Michigan	29.26	743.2	29.96	761.0	45.0	7.2	53	n.	2	0.9		0	0			0	0	clear	M. H. Perry
Portland, Maine	29.61	752.1	29.66	753.4	49.0	9.4	86	ne.	14	6.3			10 n		ne.	0.19	4.8	light rain	W. W. Eichelberger.
Portland, Oregon	29.85	758.2	29.92	760.0	46.5	8.1	82	s.	1	0.4			10 s			0.02	0.5	cloudy	M. L. Hearne.
Prescott, Arizona	24.60	624.8	29.87	758.7	33.8	1.0	76	calm	0	0		0	8 s			0	0	cloudy	J. Glover.
Provincetown, Mass																			C. N. Kitchel.
Red Bluff, California	29.58	751.3	29.94	760.5	53	11.7	83	s.	8	3.6			10 ks		s.	0	0	cloudy	J. R. Williams.
Rio Grande City, Texas																			L. G. Schultz.
Rochester, N. Y	29.22	742.2	29.91	759.7	47	8.3	54	nw.	6	2.7		hz.	hz.			0	c	clear	E. W. McGann.
Roseburg, Oregon	29.36	745.7	29.92	760.0	43.8	6.6	88	e.	1	0.4			10 n			trap.	trap.	light rain	J. J. Nanry.
Sacramento, California	29.90	759.4	29.97	761.2	50.0	10.0	77	sw.	12	5.4		0	0			0	0	clear	J. A. Barwick
St. Louis, Missouri	29.27	743.4	29.90	759.4	54.7	12.6	58	se.	11	4.9		4c; cs	1 s			0	0	fair	J. H. Weber.
St. Michael, Fort, Alaska	29.57	751.1	29.60	751.8	33	0.6	88	s.	7	3.1		0	0			0	0	clear	Fred. H. Clarke.
St. Paul, Minnesota	28.86	733.0	29.74	755.4	51.0	10.6	80	se.	1	0.4			10 k		s.	0.07	1.8	cloudy	P. F. Lyons.
St. Vincent, Minnesota	28.77	730.7	29.68	753.9	41.5	5.3	100	nw.	8	3.6			10 s			0.16	4.1	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.54	648.7	29.91	759.7	37.3	2.9	79	nw.	5	2.2			10 n			0.20	5.1	sleeting	J. Craig.
San Diego, California	29.88	758.9	29.95	760.7	53.7	12.1	90	e.	3	1.3			10 s		w.	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.31	744.5	30.01	762.2	49	9.4	63	w	3	1.3		0	0			0	0	clear	B. F. Hough.
Sandy Hook, New Jersey	29.68	753.9	29.71	754.6	50.0	10.0	93	s.	8	3.6			10 n		ne.	0.11	2.8	light rain	V. P. Chappel.
Sanford, Florida	29.96	761.0	30.02	762.5	57.0	13.9	69	nw.	5	2.2		0	0			0	0	clear	J. B. Marbury
San Francisco, California	29.98	761.5	30.05	763.3	49.7	9.8	75	w.	14	6.3		0	2 s		w.	0	0	clear	N. Gorom.
Savannah, Georgia	29.90	759.4	29.99	761.7	54.4	12.4	66	nw.	4	1.8		0	hz.			0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.23	666.2	29.90	759.4	33	0.6	81	nw.	4	1.8			10 s			0	0	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.61	752.1	29.85	758.2	63.8	17.7	82	se.	0	2.7		0	8 -		se.	0	0	cloudy	E. N. Meekins.
Sitka, Alaska	29.89	759.2	29.96	761.0	41.7	5.4	84	e.	4	1.8			8 ks		e.	0	0	cloudy	F. W. Fickett.
Smithville, North Carolina	29.84	757.9	29.88	758.9	52.6	11.4	73	n.	8	3.6		0	0			0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.87	707.9	29.93	760.2	38.5	3.6	96	s.	5	2.2		4 k	5 s	s.	s.	0.07	1.8	cloudy	D. Moore.
Springfield, Illinois	29.22	742.2	29.92	760.0	54.1	12.3	58	s.	10	4.5		0	0			0	0	clear	W. Norrington.
Stockton, Fort, Texas	26.78	680.2	29.81	757.2	55.2	12.9	43	nw.	8	3.6		0	0			0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.80	756.9	29.89	759.2	46.7	8.2	79	e.	9	4.0			10 ks		e.	0.02	0.5	cloudy	R. Connor.
Thomas, Camp, Arizona	27.14	689.3	29.87	758.7	42	5.6	55	sw.			1	0	0			0	0	clear	R. C. Lord.
Toledo, Ohio	29.24	742.7	29.95	760.7	50	10.0	58	calm	0	0		0	sk.			0	0	dense smoke	A. Buell.
Unalashka, Alaska	28.94	735.1	29.90	735.6	40	4.4	82	se.	12	5.4			10 n		se.	0.81	20.6	light rain	Samuel Applegate.
Vicksburg, Mississippi	29.70	754.4	29.96	761.0	56.3	13.5	83	se.	8	3.6		0	0			0	0	clear	F. W. Mixer.
Washington, D. C	29.67	753.6	29.79	756.4	51.0	10.6	66	nw.	10	4.5			9 k; s		nw.	0.34	8.6	cloudy	T. B. Harrison.
West Las Animas, Colorado	25.62	650.7	29.57	751.1	42	5.6	72	nw.	12	5.4		0	2 k		w.	0	0	clear	F. H. Brandenburg.
Wilmington, N Carolina	29.82	757.4	29.88	758.9	52.0	11.1	80	nw.	4	1.8		0	0			0.02	0.5	clear	L. H. Albrecht.
Yankton, Dakota	28.25	717.5	29.89	751.6	51.1	10.6	91	e.	7	3.1			10 s		sw.	1.75	44.4	cloudy	E. H. Thompson.
Yuma, Arizona	29.69	754.1	29.84	757.9	60.0	15.6	51	sw.	4	1.8		0	9 s		w.	0	0	cloudy	W. S Delano.
Sub-series.																			
Behringisland, Kamchatka	29.77	756.1	29.79	756.7	34.2	1.2		e.	19	8.5			10 n			0.01	0.3	cloudy	George Oherulck.
Bluefields, Nicaragua, C. A					82	27.8		nw.			1	1 cs	2 k		ne.	0.07	1.8	fair	W. F. Jackson.
Bogota, U. S. C	22.02	559.4			54.5	12.5	90	s.	2	1		4 fc	2 k	w.	se.	0.213	5.4		Joaquin Gomez.
Ohimo, Fort, Ungava	30.12	765.0	30.28	769.1	3	—16.1	100	sw.			6	0	0			0.02	0.5	clear	L. M. Turner.
Kingston, Jamaica, W. I			30.03	762.7	79	26.1	71	calm	0	0		8cs; s	0			0.00	1.5	cloudy	Robert Johnstone.
Paramaribo, S. A	30.02	762.5	30.02	762.5	78	25.6	86	e.			2	5 k	8 ks	e.	e.	0.140	3.6		Dr. C. J. Herms.
Puerto Berrio, U. S. C	29.52?	749.8?	30.08?	764.0?	80	26.7	95	s.			1	2 ck	2 k	calm	calm	0	0	fair	Francisco J. Cisneros.
Rivas, Nicaragua, C. A	29.92?	760.0?	30.08?	764.0?	77	25.0	84	ne.			1					0	0	clear	Earl Flint.
York Factory, B. A	30.07	763.8	30.14	765.5	3.5	—15.8	87	s.	13	5.8		2 c	1 s	s.	s.	0	0	fair	Fortescue & Wood.
U. S. of Colombia. *(Sub series).*																			
Colon																			P. Fasiani.
Nuos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
							Miles p. hr.	Mtrs. p. sec		Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.			0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Arizona, N. 41° 42′, W. 62° 32′	29.55	750.6	52	11.1		s.			3		10		nw.			mod.	s.	overcast.
S. S. Alvo, off Bird rock, W.I			72	22.2		nw.			5–6		6	nw.		2 h'r	2 h'r	long	nnw.	fine.
S. S. Anchoria, N. 50° 20′, W. 33° 21′						nne.			2		4		ne.	2 h'r	2 h'r	sm'h		fine.
S. S. Assyrian Monarch, N. 44° 30′, W. 37° 52′†	30.38	771.6	67	19.4		calm			0		0			0	0	sm'h		clear.
S. S. Bohemia, N 40° 12′, W. 52° 46′						s.			4–6		8		se.	0	0	long	s.	cloudy.
S. S. Bothnia N. 41° 33′, W. 51° 35′	30.03	762.7	55?	12.8?	100 *	ssw.			4		8		sw.	0	0	mod.	ssw.	cloudy.
S. S. City of Washington, Havana, Cuba, W.I *†	30.10	764.5				n.			5		2		ne.	0	0	sm'h		clear
Bk. C. S. Bushnell, N. 42° 33′, W 57° 44′	29.65	753.1				s.			5		10		sw.	4 h'r	4 h'r	long	s.	cloudy.
S. S. Circassian, N. 44° 20′, W. 63° 25′	29.54	750.3	36	2.2	100	ene.			3		10		ene.			3	e	foggy.
S. S. Cienfuegos, N. 22° 07′, W. 74° 22′	29.99	761.7	76	24.4		nnw.			3		2		nw.	0	0	small	nnw.	clear.
S. S. Canada, (Fr) N. 42° 36′, W. 53° 10′			62.6	17.0		sse.			4		5n		sse.			sm'h	sse	fair.
S. S. Denmark, N. 40° 08′, W. 65° 31′†	29.59	751.6	54	12.2	93	nw.			1		10			3 h'r	3 h'r	sm'h		cloudy.
S. S. Egypt, N. 40° 30′, W. 73° 25′†	29.64	752 8	47	8.3		wnw.			3		10		s.	2 h'r	2 h'r	sm'h		foggy.
S. S. Gellert, N. 40° 10′, W. 63° 39′	29.60	751.8	62	16.7		nne.								0	0	mod.	wsw.	covered.
S. S. Gallia, N. 42° 00′, W. 54° 13′	29.78	756.4	63	17.2		ssw.			6		10			rain	rain		s.	overcast.
S. S. Holland, N. 41° 30′, W. 46° 01′			61	16.1		sse.			6		5		sse.	0	0	mod.	s	fair.
S. S. Helvetia, N. 40° 53′, W. 47° 32′	30.16	766.1	67	19.4	84	se.			4		2		se.	0	0		se.	clear.
S. S. Lord Clive, N. 40° 57′, W. 66° 16′						w.			4		9		w.	1 h'r	1 h'r	sli't	ese.	cloudy.
Bg. L. & W. Armstrong, N. 36° 55′, W 70° 16′						nnw.			3		9		nw.	3 h'r	3 h'r	mod.	nw.	threatening
S. S. Llandaff City, N. 41° 18′, W. 47° 57′ *†	30.22	767.6	66	18.9		sse.			5		8		se.	0	0	mod.	sse.	fair.
S. S. Madrid, N. 41° 16′, W. 52° 44′ †	29.95	760.7	62	16.7	94	sse.			6		9		sse.	4 h'r	4 h'r	r'gh	sse.	cloudy.
S. S. Main, N. 46° 42′, W. 31° 22′						w.			2		5		w.	0	0	sm'h	w.	fair.
S. S. Nessmore, St. George's channel	29.76	755.9	50	10.0	93	nw.			2		2		nw.	4 h'r	4 h'r	sm'h	n.	clear.
S. S. Orinoco, N. 37° 21′, W. 70° 10′			58	14.4		nw.			3		7		nw.	3 h'r	3 h'r	light	cross	fine.
S. S. Republic, N. 41° 04′, W. 62° 54′†	29.58	751.3				sw.			5		5		se.	0	0		e.	d. clouds.
S. S. Rosse, N. 44° 40′, W. 36° 30′	30.31	769.9	64	17.8	62	calm			0					0	0	sm'h		clear.
S. S. Rhaetia, N. 41° 22′, W. 56° 26′	29.64	752.8	63	17.2		ssw.			5		10		ssw.	10 h'r	10 h'r	mod.	ssw.	rainy
S. S. State of Nebraska, N. 42° 49′, W. 47° 46′*†	30.24	768.1	50	10.0		sse.			2		3			sh'rs	sh'rs	sm'h		light clouds.
S. S. State of Georgia, N. 40° 43′, W. 64° 46′†	29.59	751.6	60	15.6		w.			4		10		ssw.	sh'rs	sh'rs	sm'h		cloudy.
S. S. Valencia, N. 14° 11′, W. 08° 46′.†	29.95	760.7	80	26.7	82	e.			3		5		ese.	0	0	light	e.	fair.
S. S. Wieland, N. 47° 50′, W. 30° 24′*	30.17	766.3	54	12.2		ne.			4		2		w.	2 h'r	2 h'r	mod.	w.	fair.
S. S. Westernland, N. 40° 56′, W. 50° 35′	30.10	764.5	58	14.4	82	s.			5		6		s.	2 h'r	2 h'r	light	s	fair.
S. S. Waesland, New York, N. Y	29.71	754.6	56	13.3		wnw.			3		10		nw.	1 h'r	1 h'r			raining.
S. S. Lessing, N. 49° 38′, W. 11° 10′			56	13.3		wnw.			4		7		wnw.	0	0	mod.	wnw.	fair.
Schr Adda Doane, Port Antonio, Jamaica, W.I†	30.00	762.0				s.			1		2		e.	0	0			clear.
S. S. America, Bremerhaven, Germany			46	7.8		s.			3		8			0	0			cloudy
Bg. Belle of the Bay, N. 27° 12′, W. 75° 46′*†	29.96	761.0				wnw.			4		8		wnw.	0	0	long	sw.	cloudy.
S. S. British Princess, N. 49° 45′, W. 21° 20′ †	30.03	762.7				wnw.			6		10		wnw.	0	0	r'gh	wnw.	overcast.
S. S. Celtic, N. 40° 54′, W. 69° 26′†	29.60	751.8	45	7.2		w.			2		fg					sm'h		misty.
S. S. Caracas, N. 16° 16′, W. 67° 58′ *†	30.00	762.0	80	26.7	78	ese.			4		2		e.	0	0	light	e.	clear.
S. S. City of Merida, N. 18° 33′, W. 93° 30′*†	29.86	758.4	77.0	25.0		e.			2		1		e.	0	0	light	e.	clear.
S. S. Chalmette, Algiers, La†	30.03	762.7	65	18.3		se.			3		3		e.	0	0			clear.
S. S. Elysia, N. 54° 13′, W. 18° 58′ *	29.72	754.9	46	7.8		nw.			6		6		nw.	0	0	mod.	nw.	squally.
S. S. Erin, N. 47° 40′ W. 25° 39′	30.26	768.6	54	12.2		w.			3		10		nw.	0	0	sli't	nw.	misty
S. S. England, N. 49° 36′, W. 21° 34′	30.10	764.5				wnw.			5		8		wnw.	0	0	mod.	nw.	cloudy.
S. S. Germanic, N. 51° 06′, W. 15° 28′			51	10.6	79	wnw.			6		8		wnw.	3 h'r	3 h'r	light	wnw.	squally.
S. S. Grecian, Greenock, Scotland	29.72	754.9	45	7.2	68	se.			3		10		se.	0	0			squally.
S. S. Habsburg, N. 49° 52′, W. 12° 36′	29.83	757.7				wnw.			5		8		w.	0	0	mod.	wnw.	showery.
S. S. Italy, N 49° 08′, W. 15° 53′*	29.95	760.7	57	13.9	94	w.			5		8		wnw.	2 h'r	2 h'r	mod.	w.	squally.
Bg. Lilian, N. 7° 56′, W. 58° 36						ene.			2		4			½ h'r	½ h'r	sm'h	e.	fair.
S. S. Labrador, N. 42° 32′, W. 57° 31′			51.8	11		sse.			3		3		se.			sm'h	e.	misty.
S. S. Neckar, N. 44° 10′, W 41° 06′	30.22	767.6	61.7	16.5		sw.			2		0			0	0	sm'h	wsw.	clear.
S. S. New York, N 31° 25′, W. 80° 15′*†	30.00	762.0	60	15.6		nw.			3		2		w.	0	0	sm'h		clear.
S. S. Ontario, N. 51° 12′, W. 12° 30′			58	14.4		w.			4		10		w.	11 h'r	11 h'r	sm'h	nw.	raining.
S. S. Prussian, N. 52° 30′, W. 15° 20′	29.76	755.9	48	8.9		w.			5		5		wnw.	5 h'r	5 h'r	mod.	w.	showery.
S. S. Pavonia, N. 50° 01′, W. 22° 52′	30.11	764.8	51	10.6	72	nnw.			6		7		nw.	1 h'r	1 h'r	mod.	nw.	clear.
U. S. S. Alliance, N. 24° 26′, W. 82° 00′	30.05	763.3	71	21.7	90	n.			3		5		n.	0	0	mod.		fair.
U. S. S. Galena, N. 17° 15′, W. 77° 37′			79	26.1	78	calm			0		2					sm'h		fair.
U. S. S. Jamestown, N. 16° 39′, W. 62° 51′	30.03	762.7	81	27.2	70	ene.			1		2					sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.77	756.1	67	19.4	74	wsw.			3		10		w.					cloudy
U. S. S. Lancaster, Smyrna, Turkey	29.76	755.9	68	20.0	90	w.			3		8					sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	29.04	752.8	44	6.7	68	nne.			3		10							drizzling.
U. S. S. Pensacola. N. 18° 08′, W. 59° 48′ †.	30.03	702.7	77	25.0	69	nne.			2-3		2		calm	0	0	light	ne.	fair.
U. S. S. Portsmouth, N. 40° 10′, W. 72° 08′			44	6.7	100	nw.			3		10		ne.			sm'h		foggy.
U. S. S. Powhatan, Newport, R. I	29.63	752.6	44	6.7	100	nnw.			2		10							light rain.
U. S. S. Quinnebaug, Smyrna, Turkey	29.70	754.4	68	20.0	69	wsw.			2		2		w.			sm'h		fair.
U. S. S. Saratoga, Lisbon, Portugal	30.02	702 5	60	15.6	71	nnw.			3		8		nnw.	light	light	sm'h		cloudy.
U. S. S. Swatara, Matanzas, Cuba W. I	30.04	763.0	66	18.9	94	sw.			2		2		sw.	0	0	sm'h		fair.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.03	762.7	66	18.9	84	w.			1		2		ne.					fair.
U. S. S. Yantic, Turtle Harbor, Fla	30.00	763.5	64	17.8	73	nnw.			3		2							clear
U. S. Navy Yard, Portsmouth, N. H *	29.59	751.0	48	8.9	92	ne.	11	4.9			10		n.e.	0.2	5.			raining.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.90	759.4	68	20.0	84	nne.			1		1	nne.						blue sky.
H. M. S. Alecto, N. 4° 52, W. 2° 15′	29.81	757.2	85	29.4		s.			1		8					4	s.	d. clouds.
H. M. S. Minotaur, N. 36° 52′, E. 5° 00′	29.86	758.4	62.5	16.9	64	wnw.			5		8	w.				1	w.	misty.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.86	758.5	86.9	30.5	71	sse.			4		5		se.	0	0	3	s.	d. clouds.
S. S. British Crown, N. 43° 40′, W. 39° 38′			59	15.0		sw.			1		0					sm'h		clear.
S. S. Scandinavian, N 47° 03′, W. 38° 24′	30.28	769.1	60	15.6		ssw.			2		7		wsw.	5 h'r	5 h'r	light	sw.	showery.
S. S. Athos, Savanilla, U. S. C						ene.			5		8?		se.	0		mod.	ese.	clear.?
S. S. Moravia, N. 49° 52′, W. 11° 28′			44.6	7.0		w.			4		7		w.	1 h'r	1 h'r	sm'h	w.	raining.
S. S. Archimedes, (Br) N. 5° 49′, W. 28° 51′	29.90	759.4				nne.			3		2		ne.	0	0	light	ne.	fine.
S. S. Sirius, Madeira Id, Africa	30.17	766.3				e.			4		3		e.	0	0			clear.
S. S. Teniers, N. 19° 50′, W. 23° 39′	30.03	762.7	72.2	22.3	74	nne.			4	c|ck	7 k	var.		0	0	3	nne.	d. clouds.
S. S. Olbers, N. 41° 06′, W. 53° 34′	29.82	757.4	63	17.2	91	sse.			6		10		se.	1 h'r	1 h'r	r'gh	se.	overcast.
S. S. Gottardo, Gibraltar, Mediterraneau			65	18.3		wnw.			3		5		w.	2 h'r	2 h'r			fine.
S. S. Oregon, (Br) N. 43° 03′, W. 61° 29′	29.51	749.5	45	7.2		se.			2		8		se.			mod.	ese.	hazy.
S. S. Strassburg, N. 50° 55′, E. 10° 04′	29.86	758.4	57	13.9	63	s.			1-2		10		calm	0	0		s.	cloudy.
S. S. City of Augusta, N. 37° 24′, W. 74° 47′*†	29.80	756.9				ese.			4		7		sse.	0	0			cloudy.
S. S. Pennland, Antwerp, Belgium*†	29.76	755.9	50	10.0	86	n.			4		9		nnw	0	0			cloudy.
S. S. W. A. Scholten, Rotterdam, Holland			45.3	7.4	85	n.			4		10		nne.	2 h'r	2 h'r			squally.
S. S. Maasdam, N. 40° 18′, W. 60° 40′*	29.61	752.1	61.5	16.4	94	se.			3		8		e.	4 h'r	4 h'r	2	se.	hazy.
S. S. Baltic, St. George's channel *†	29.79	756.7				calm			0		8		ne.	0	0	sm'h		cloudy.
S. S. Britannic, N. 49° 50′, W. 24° 13′ †	30.12	765.0	47	8.3		nw.			5		6		nw.	0	0	high	nw.	d. clouds.
S. S. Marengo, N. 40° 09′, W. 62° 32′	29.58	751.3				wsw.			3		3		w.	4 h'r	4 h'r	mod	wsw.	clear.
S. S. Salerno, N. 46° 32′, W. 22° 29′						wnw.			3		5		nw.	0	0	nw.		fine.
Bg. Alcira, Maracaybo, Venezuela			82	27.8		ne.			1		6?		ne.	4 h'r	4 h'r			clear.?
S. S. Antonio Lopez, Cadiz, Spain	30.02	762.5	57	13.9	63	wnw.			3		2			0	0			clear,
Schr. Arthur Burton, N. 23° 10′, W. 68° 00′ †	29.97	761.2				sw.			4		10		sw.	2 h'r	2 h'r	r'gh	se.	squally.
Schr. Annie R. Lewis, Porto Plata, SanDomingo, W.I†	29.94	760.5	78	25.6		nw.			1		10		n.	6 h'r	6 h'r			cloudy.
Schr. Annie A. Holton, N. 22° 52′, W. 92° 24′*†	29.79	756.7	78	25.6		se.			1		2		se.	0	0	r'gh	se.	clear.
Bgt. Achsah, N. 43° 56′, W. 66° 40′ †	29.60	751.8				nne.			2		10		ne.	2 h'r	2 h'r	mod.	ne.	cloudy.
S. Annie, Bayonne, N. J	29.72	754.9				calm			0		10							light rain.
Bk. Adelaide, N. 33° 44′, W. 74° 07′*†	29.78	756.4	64	17.8		nw.			6		8		nw.	0	0	short	nw.	squally.
Schr. Abbie H. Gheen, Wilmington, Del			60	15.6		sw.			1									clear

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—North Atlantic.—Continued.																		
Bk. Benjamin Dickerman, N. 15° 41′, W. 59° 13′*†	30.02	762.5	78	25.6	.....	ne.	.....	.....	4	.....	4	.....	nne.	0	0	cross	var.	fair.
Bk. Charles Stewart, N. 39° 22′, E. 5° 08′*†	29.72	754.9	.....	.....	.....	wsw.	.....	.....	6	.....	3	.....	w.	0	0	r'gh	w.	fair.
S. Cornelius, N. 20° 49′ W. 42° 35′ *†	30.05	763.3	75.2	24.0	.....	n.	.....	.....	1	.....	4	.....	nnw.	¼ h'r	¼ h'r	cross	var.	fair.
Bkt. Corisande, N. 41° 03′. W. 07° 03′	29.54	750.3	.....	.....	.....	wsw.	.....	.....	4	.....	.....	.....	.....	2 h'r	2 h'r	mod.	cross	foggy.
Bk. Diamant, N. 46° 27′, W. 12° 45′	30.00	762.1	54.0	12.2	71	nw.	.....	.....	4	.....	4	.....	nw.	1 h'r	1 h'r	4	nw.	fair.
S. E. J. Spicer, N. 46° 39′, W. 13° 20′	.....	.....	54	12.2	93	nw.	.....	.....	4	.....	7	.....	nnw.	rain	rain	mod.	nw.	cloudy.
Schr. Edith R. Seward, N. 37° 05′, W. 76° 14′	.....	.....	53	11.7	.....	nw	.....	.....	3	.....	3	.....	nnw.	½ hr	½ h'r	.....	.....	clear.
U. S. Fish Com. S. S. Fish Hawk, Mobjack Bay, Va	.....	.....	53	11.7	.....	wnw.	.....	.....	4	.....	3	.....	nw.	0	0	sm'h	.....	clear.
Bk. Fred. W. Carlon, N. 26° 30′, W. 68° 58′ †	29.93	760.2	78	25.6	.....	w.	.....	.....	6	.....	4	.....	nw.	3 h'r	3 h'r	r'gh	w.	clear.
S. Ismir, N. 30° 04′, W. 09° 36′	.....	.....	.....	.....	.....	wnw.	.....	.....	5	.....	3	.....	nnw.	0	0	r'gh	.....	fine.
Bg. George, N. 40° 12′, W. 71° 35′ *†	29.71	754.6	.....	.....	.....	nnw.	.....	.....	3	.....	10	.....	n.	light	light	sm'h	.....	misty.
Bk. Gloire, N. 42° 45′, W. 32° 00′	30.34	770.6	57	13.9	80	e.	.....	.....	2	.....	.....	.....	ne.	0	0	long	nne.	fair.
Bk. George Davis, Beachy Head, Eng	.....	.....	.....	.....	.....	sw.	.....	.....	5	.....	.....	.....	sw.	0	0	.....	.....	cloudy
S. Hedwig, N 38° 44′. E. 5° 26′	29.80	757.0	59.7	15 4	92	wsw.	.....	.....	5	.....	3	.....	wsw.	½ h'r	½ h'r	3	wsw.	
Bk. Hattie G. McFarland, Pascagoula, Miss	.....	.....	70	21.1	.....	se.	.....	.....	2	.....	4	.....	s.	0	0	.....	.....	fine.
S. Henry, N. 38° 38′, E. 4° 55 *	29.80	756.9	60.8	16.0	.....	wsw.	.....	.....	6	.....	9 h	.....	.....	.....	.....	5	w.	squally.
Bk. Horace Scudder, N 0° 19′, E. 2° 25′	.....	.....	82	27.8	.....	sse.	.....	.....	4	.....	5	.....	s.	0	0	.....	sse.	fair.
Bk. Ibis, N. 26° 40′, W. 72° 45′	30.09	764.3	73	22.8	.....	se.	.....	.....	2	.....	8	.....	sw.	0	0	mod.	se.	fine.
Schr. Jennie N. Huddell, Georgetown, D.C. †	29.81	757.2	52	11.1	.....	wnw.	.....	.....	5	.....	8	.....	nw.	3 h'r	3 h'r	.....	.....	cloudy.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.02	762.5	.....	.....	.....	nnw.	.....	.....	2	.....	2	.....	nnw.	0	0	.....	.....	clear.
Bg. John Welsh, jr., N. 27° 31′, W. 71° 33′†	29.87	758.7	.....	.....	.....	nw.	.....	.....	5	.....	0	.....	.....	.....	.....	short	wnw.	clear.
Schr. John Bird, N. 36° 52′ W. 71° 50′ *†	29.65	753.1	.....	.....	.....	n.	.....	.....	0	.....	10	.....	n.	5 h'r	5 h'r	h'vy	ne.	
Schr. Jenny Greenbank, N. 30° 00′, W. 73° 36′.*	29.86	758 4	62	16.7	.....	wnw.	.....	.....	5	.....	5	.....	nw.	3 h'r	3 h'r	r'gh	nw.	fair.
Schr. Jenny R. Morse, Darien, Ga †	29.97	761.2	.....	.....	.....	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	fine.
Light-house tender Laurel, Key West, Florida †	30.04	763.0	68	20.0	.....	nnw.	.....	.....	2–3	.....	7	.....	n.	0	0	.....	.....	fair.
Bg. L. F. Munson, N. 26° 50′, W. 67° 14′ *†	29.90	759.4	72	22.2	.....	wnw.	.....	.....	4	.....	2	.....	wnw.	4 h'r	4 h'r	r'gh	ssw.	fair.
Bkt. Levanter, Barbadoes, W. I	29.97	761.2	81	27.2	.....	ne.	.....	.....	1	.....	1	.....	.....	c	0	.....	.....	clear.
Bkt Levi S. Andrews, N. 37° 10′, W. 53° 49′*†	30.00	762.0	67.5	19.7	.....	ssw.	.....	.....	6	.....	8	.....	ssw	0	0	h'vy	s.	cloudy.
Bk. Rosalie, N. 17° 13′, W. 57° 58′ *†	29.97	761.2	.....	.....	.....	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	nne.	clear.
Bk. Rosina, N. 30° 28′, W. 24° 20′	30.11	764.8	64	17.8	.....	e.	.....	.....	7	.....	10	.....	.....	0	0	r'gh	ese.	gloomy.
S. Salisbury, N. 39° 05′, E. 18° 05′	29.78	756.5	70.0	21.1	82	sw.	.....	.....	2–3	.....	0	.....	.....	0	0	mod.	sw.	clear.
Bk. Saga, N. 50° 04′, W. 13° 23′	.....	.....	51	10.6	.....	.....	.....	.....	5	.....	7	.....	.....	5¾ hr	5¾ hr	5	.....	raining.
Bk. Sunbeam, N. 23° 14′, W. 31° 55′ †	29.92	760.0	71	21.7	90	wsw.	.....	.....	5	.....	10	.....	wsw.	8 h'r	8 h'r	r'gh	wnw.	rainy.
Bgt. Sunlight, N. 27° 50′, W. 59° 00′†	29.94	760.5	.....	.....	.....	s.	.....	.....	3	.....	8	.....	sse.	0	0	sm'h	.....	clear.
S. St. David, N. 51° 37′, W. 08° 41′	.....	.....	50	10.0	51	w.	.....	.....	4	.....	3	.....	wnw.	1 h'r	1 h'r	light	wnw.	hazy.
Bk. Silica, N. 61° 09′, W. 48° 28′ *	29.68	753.9	.....	.....	.....	se.	.....	.....	6	.....	10	.....	.....	snow	snow	.....	.....	snowing.
Bg. Teneriffe, N. 20° 04′, W. 78° 20′	29.97	761.2	.....	.....	.....	nw.	.....	.....	2	.....	1	.....	.....	0	0	.....	.....	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.07	763.8	76	24.4	.....	n.	.....	.....	3	.....	2	.....	n.	0	0	.....	.....	clear.
Bk. Western Chief, N. 52° 22′, E. 2° 48′ *†	29.82	757.4	.....	.....	.....	nw.	.....	.....	3	.....	5†	.....	nw.	0	0	3	e.	clear.†
District No. 2—South Atlantic.																		
U. S. S. Brooklyn, St. Helena Island, Africa	29.82	757.4	76	24.4	77	ese.	12	5.4	.....	.....	8	.....	ese.	0.07	1.8	long	ne.	fair.
H. M. S. Amethyst, Rio de la Plata	29.76	755.9	64	17.8	86	se.	.....	.....	3	.....	5	ese.	.....	.....	.....	1	se.	d. clouds.
H. M. S. Boadicea, Simons Bay, Cape Colony	30.00	762.0	68	20.0	.....	se	.....	.....	4	.....	3	ese.	.....	.....	.....	.....	.....	squally.
H. M. S. Sylvia, Cape of Good Hope, Cape Colony	29.96	761.0	69.2	20.7	90	calm	.....	.....	0	.....	4	ese.	.....	.....	.....	.....	.....	d. clouds.
Bk. Aureola, S. 2° 10′, W. 26° 05′†	29.95	760.7	89	31.7	66	ene.	.....	.....	1	.....	3	.....	.....	1 h'r	1 h'r	mod.	s.	clear.
Bk. Achille F., S. 35° —′, W. 56° —′*†	29.87	758.7	61.5	16.4	94	se.	.....	.....	6	.....	10	.....	e.	8 h'r	8 h'r	mod	se.	foggy.
S. Gatherer, S. 54° 47′, W. 63° 45′†	29.18	741.2	43	6.1	100	w.	.....	.....	4	.....	2	.....	w.	0	0	.....	wsw.	clear.
Bkt. Rosebud, S. 1° 21′, W. 25° 27′*	29.72	754.9	87	30.6	.....	calm	.....	.....	0	.....	2	.....	.....	2 h'r	2 h'r	sm'h	.....	clear.
S. Ringleader, S. 34° 15′, W. 29° 56′ †	30.07	763.8	09	20.6	85	ne.	.....	.....	5	.....	9	.....	ne.	0	0	mod.	ne.	cloudy.
H. P. M. S. Rainha de Portugal, S. 12° 21′, E. 13° 34′	29.78	756.5	80.6	27.0	71	wnw.	.....	.....	4	.....	1	.....	.....	0	0	3	.....	blue sky.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska †	29.98	761.5	42	5.6	82	wsw.	.....	.....	1.	.....	10	.....	.....	.....	.....	.....	.....	cloudy.
U. S. Naval Hospital, Yokohama, Japan	29.73	755.1	62	16.7	94	sw.	.....	.....	7	.....	10	.....	sw.	light	light	.....	.....	light rain.
U S. S. Alert, shanghai, China	30.14	765.5	58	14.4	76	nne	.....	.....	2	.....	5	.....	ne.	.....	.....	.....	.....	fair.
U. S. S. Enterprise, Canton river, China	29.95	760.7	75	23.9	95	e.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	raining.
U. S. S. Essex, N. 18° 38′, E. 157° 00′	30.10	764.5	77	25.0	82	ne.	.....	.....	6	.....	2	.....	.....	.....	.....	sm'h	ne.	clear.
U. S. S. Juniata, Fernande Island, Corea	29.88	758.9	45	7.2	92	nnw.	.....	.....	5	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Monocacy, Canton, China	29.95	760.7	74	23.3	95	e.	.....	.....	1	.....	10	.....	.....	mod.	mod.	.....	.....	cloudy.
U. S. S. Ranger, Fonseca Bay, C. A.	29.95	760.7	80	26.7	82	wnw.	.....	.....	2	.....	10	.....	.....	0	0	sm'h	.....	overcast.
U. S. S. Trenton, N. 7° 12′, E. 107° 57′	29.87	758.7	85	29.4	96	ne.	.....	.....	3	.....	2	.....	ne.	.....	.....	sm'h	ne.	fair.
H.M.S. Audacious, Hong Kong, China	29.97	761.2	70	24.4	95	calm	.....	.....	0	.....	4	s.	.....	.....	.....	.....	.....	thund'r st'rm.
H. M. S. Cleopatra, N. 37° 39′, E. 126° 35′	29.81	757.2	51.5	10.8	82	w.	.....	.....	5–6	.....	1	w.	.....	.....	.....	4	.....	blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.08	764.0	66	18.9	82	ne.	.....	.....	6	.....	10	.....	.....	.....	.....	3	ne.	thund'r st'm
H. P. M. S. Tamega, Macao, China	29.97	761.3	77.0	25.0	91	nne.	.....	.....	3	.....	5	.....	.....	0	0	.....	.....	lightning.
U. S. S. Palos, Shanghai, China	30.17	766.3	54	12.2	74	n.	.....	.....	3	.....	2	.....	calm	.....	.....	.....	.....	fair.
S. S. Newbern, N. 31° 10′, W 116° 30′	.....	.....	55	12.8	87	nw.	.....	.....	5	.....	5	.....	nw.	0	0	gentle	wnw.	fair.
S. S. City of Chester, Eureka, Cal	.....	.....	49	9.4	85	se.	.....	.....	2	.....	.....	.....	.....	0	0	.....	.....	
S. S. Columbia, Willamette river, Oregon*†	29.88	758.9	47	8.3	93	calm	.....	.....	0	.....	10	.....	calm	0	0	.....	.....	cloudy.
S. S. Oregon, N. 45° 20′, W. 124° 09′†	29.93	760.2	49	9.4	78	se.	.....	.....	4	.....	10	.....	s.	.....	.....	mod.	w.	light rain.
S. S. Willamette, N. 41° 02′, W. 124° 35′†	29.98	761.5	51	10.6	86	s.	.....	.....	4	.....	10	.....	ssw.	0.04	1.0	mod.	w	rainy.
S. S. Alameda, Honolulu, Sandwich Idst	30.02	762.5	03	17.2	.....	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	
S. S. Orizaba, N. 35° 10′, W 120° 42′†	29.98	761.5	54	12.2	67	nw.	.....	.....	5	.....	0	.....	.....	0	0	mod	wnw.	hazy.
S. S. State of California, San Francisco, Cal	30.04	763.0	46	8.9	78	wsw.	.....	.....	3	.....	4	.....	wsw.	0	0	.....	.....	fair.
S. S. City of Pekin, N. 38° 24′ W. 124° 20′†	30.10	764.5	52	11.1	86	wnw.	.....	.....	4	.....	8	.....	wsw.	0	0	mod.	.....	cloudy
S. S. City of Rio de Janeiro, N. 28° 51′, E. 126° 16′ †	30.05	763.3	02	16.7	.....	nnw.	.....	.....	5	.....	4	.....	n.	.....	.....	mod.	.....	fair.
S. S. City of Tokio, N. 37° 39′, E. 168° 40′†	30.14	765.5	50	10.0	72	nw.	.....	.....	5	.....	10	.....	nw.	0	0	h'vy	nw.	hazy.
S. S. Colima, Panama, Panama†	29.97	761.2	77	25.0	77	nw.	.....	.....	2	.....	6	.....	nw.	0.30	7.6	.....	.....	cloudy.
S. S. San Blas, Mazanilla, Mexico †	29.91	759.7	71	21.7	100	ne.	.....	.....	3	.....	1	.....	calm	0	0	.....	.....	clear.
S. S. San José, N. 16° 44′, W. 99° 45′ †	29.90	759.4	79	26.1	.....	nnw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	clear.
S. S. Benalder, Nagasaki, Japan	.....	.....	07	19.4	84	w.	.....	.....	3–5	.....	4	.....	nw.	8 h'r	8 h'r	sm'h	.....	
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao, Peru	29.99	761.7	70	21.1	90	sse.	.....	.....	1	.....	2	.....	.....	.....	.....	sm'h	.....	clear.
U. S. S. Lackawanna, Callao, Peru	29.91	759.7	09	20.6	95	se.	.....	.....	1	.....	8	.....	.....	.....	.....	.....	.....	cloudy.
U. S. S. Onward, Callao, Peru*†	30.00	763.5	09	20.6	95	se.	.....	.....	1	.....	5	.....	se.	.....	.....	long	w.	fair.
U. S. S. Pinta, Valparaiso, Chili	30.06	763.5	58	14.4	94	calm	.....	.....	0	.....	8	.....	calm	.....	.....	.....	.....	cloudy.
U. S. S. Shenandoah, S. 48° 55′, W. 74° 19′*	29.30	745.7	40	4.4	91	ese.	.....	.....	1	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	30.05	763.3	59	15.0	88	calm	.....	.....	0	.....	5	.....	calm	.....	.....	long	.....	fair
H M. S. Nelson, Sydney, N.S.W.	30.08	764.0	61	16.1	94	w.	.....	.....	2	.....	0	sw.	.....	.....	.....	.....	.....	d. clouds.
H M. S. Sappho, Valparaiso, Chili	30.02	762.5	58	14.4	94	var.	.....	.....	1	.....	2	nw.	.....	.....	.....	.....	.....	misty.
H. M. S. Kingfisher, S. 29° 59′, W. 71° 20′	29.98	761.5	62	16.7	.....	calm	.....	.....	0	.....	2	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, S. 34° 37′, E. 164° 50′	30.07	763 8	05	18.3	95	.....	.....	.....	0	.....	6	.....	.....	0	0	.....	.....	
S. S. Zealandia, S. 1° 12′, W. 160° 39′	29.92	760.0	81	27.2	78	var.	.....	.....	4	.....	0	.....	.....	.....	.....	.....	.....	fine.
District No. 5—Indian Ocean.																		
U. S. S. Richmond, Batavia, Java	29.90	759.4	83	28.3	95	ene.	.....	.....	2	.....	10	.....	ene.	0.1	3.	.....	.....	cloudy.
H. M. S. Euryalus, Massuah, Abyssinia	29.77	756.1	80.5	30.3	90	ne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S 4° 37′, E. 55° 27′	29.83	757.7	81.1	27.3	81	nne.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	.....	raining.
H M. S. Myrmidon, Suakin, Egypt	29.84	757.9	84	28.9	83	ene.	.....	.....	3	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
Bk. Childwall, off Kingston, N.S.W*	30.21	767.3	59	15.0	94	sw.	.....	.....	2	.....	5	.....	ese.	0	0	.....	.....	fine.
S. Frank N. Thayer, S. 41° 37′, E. 27° 21′*	29.94	760.5	56.5	13.6	78	ssw.	.....	.....	6	.....	5 k	.....	ssw	12 h'r	12 h'r	light	var.	d. clouds.
S. J. W. Gildemeister, S. 27° 55′, E. 45° 10′	30.10	764.5	74.3	23.5	71	ese.	.....	.....	2–5	.....	1 s	.....	ne.	0	0	2	ese.	blue sky.
Bk. Nouva Margherita, S. 22° 16′, E. 71° 56′*†	29.90	759.4	.....	.....	.....	e.	.....	.....	3	.....	.....	.....	e.	0	0	.....	s.	cloudy.
Bk. Xenia, S 42° 42′, E. 22° 05′ *†	30.09	764.3	53	11.7	.....	sw.	.....	.....	5	.....	7	.....	sw.	1 h'r	1 h'r	mod.	wsw.	cloudy.
S. S. Lepanto, Bombay, India	29.83	757.7	90	32.2	.....	n.	.....	.....	1	.....	3	.....	n.	0	0	.....	.....	clear.

International Chart I. April 26, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.

W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 27, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	30.01	762.2	66.2	19.0	75	w.	.....	.....	1	.....	0	.....	.....	0.071	1.8	clear	Roziere.
Algiers	.....	.....	29.92	759.9	60.4	15.8	61	wsw.	.....	.....	4	.....	0	.....	.....	0	0	clear	Thève.
La Calle	.....	.....	29.87	758.8	54.0	12.2	87	sw.	.....	.....	4	.....	5	.....	.....	0	c	cloudy	Fontrade.
Tunis	.....	.....	29.88	759.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.96	761.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.92	760.0	63.0	17.2	.....	nnw.	.....	.....	6	.....	0	.....	.....	0.051	1.3	clear	Abraham.
Biskra	.....	.....	29.96	761.0	66.2	19.0	54	nw.	.....	.....	2	.....	4	.....	.....	0.059	1.5	cloudy	Gouson.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.47	773.9	57.3	14.1	74	sse.	5	2.2	.....	.....	10 k	.....	.....	0	0	cloudy	Charles Todd, C. M. G.
Hobart Town, Tasmania	29.95	760.7	30.14	765.5	56.5	13.6	80	w.	27	12.1	.....	.....	9	.....	w.	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	30.27	768.8	30.36	771.1	51.0	10.6	87	ssw.	6	2.7	.....	.....	5	.....	.....	0.01	0.3	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.26	743.3	29.81	757.1	58.1	14.5	44	w.	.....	.....	3	.....	10	.....	.....	0.185	4.7	.....	Prof. Ivan Stozir.
Oracow, I. R Observatory	29.07	738 3	29.84	757.9	48.9	9.4	89	ene.	3.8	1.7	.....	.....	10	.....	.....	0.106	2.7	.....	Dr. Wierzbiski
Eperies	28.97	735.8	29.84	757.9	55.0	12.8	87	calm	.....	.....	0	.....	10 ks	.....	n.	0.413	10.5	.....	Julius Mikolik.
Gratz	28 60	726 4	29.84	757.8	55.6	13.1	65	se.	.....	.....	1	.....	10	.....	.....	0.008	0.2	.....	Andreas Rospini.
Hermannstadt	28 46	722.9	29.87	758.7	59.9	15.5	58	sse	.....	.....	4	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28 47	723.2	29.80	756.8	57.0	13.9	66	ese.	.....	.....	1	.....	10	.....	.....	0.311	7.9	.....	The Staff.
Lemberg	28.99	736.4	30.00	761.9	44.1	6.7	74	se.	.....	.....	4	.....	10	.....	.....	0.020	0.5	.....	Dr. T. Stanecki.
Pola	29.70	754.4	29.81	757.2	57.9	14.4	67	se.	.....	.....	2	.....	5	.....	.....	0.055	1.4	raining	I. R. Hydrographic Office.
Szathmar	29.38	746.2	29.84	757.8	59.2	15.1	69	s.	.....	.....	4	.....	8	.....	.....	0.154	3.9	.....	Joseph Miditnesky, S. J
Szegedin	29.54	750.3	29.82	757.4	58.5	14.7	73	calm	.....	.....	0	.....	10	.....	.....	0.551	14.0	.....	Karl Stancel.
Trieste	29.75	755.6	29.85	758.1	55.6	13.1	72	ne.	.....	.....	2	.....	10	.....	.....	0.701	17.8	.....	Royal Academy.
Vienna	29.13	739.9	29.84	757.9	56.8	13.8	62	ne.	.....	.....	1	.....	9	.....	.....	0.256	6.5	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	52.9	11.6	98	e.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Brussels	29.61	752.0	29.81	757.1	56.5	13.6	39	s.	.....	.....	5	5	3	ssw.	ssw.	0	0	.....	
Furnes	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.024	0.6	.....	
Maeseyck	29.75	755.7	29.88	758.9	60.6	15.9	44	s.	.....	.....	2	.....	4	.....	.....	0	0	foggy	
BRITISH.																			
Aberdeen	29.76	755.9	29.86	758.4	46.5	8.1	54	se.	15	6.7	.....	.....	2	.....	.....	0	0	blue sky	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.72	754.9	45.1	7.3	76	ene.	15	6.7	.....	.....	10	.....	.....	.....	.....	overcast	John Hartnup.
Bolton, Sharples	29.19	741.4	29.72	754.9	45.7	7.6	71	ene.	6	2.7	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.35	745.5	29.75	755.6	45.2	7.3	76	se.	.....	.....	3	.....	10	.....	.....	0	0	overcast	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.90	759.4	29.94	760.5	84.0	28.9	68	ne.	.....	.....	3	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	46.2	7.9	84	se.	.....	.....	0.4	.....	8	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E.	29.48	748 8	29.66	753.4	45.5	7.5	96	s.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.38	746.2	29.61	752.1	51.6	10.9	60	sw.	.....	.....	3	.....	5	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.58	700.5	29.90	759.4	64.8	18.2	65	se.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.69	754.1	29.73	755.1	50	10.0	65	nw.	.....	.....	3	.....	6	.....	.....	0.19	4.8	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.97?	761.2?	30.07?	763.8?	63.4	17.4	94	nw.	.....	.....	4	.....	2	.....	.....	.....	.....	blue sky	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.47	748.5	29.64	752.8	45.3	7.4	94	e.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	The Staff.
Guernsey	29.41	747 0	29.71	754.6	49.0	9.4	85	w.	.....	.....	3	.....	6	.....	.....	0.12	3.0	showery	A. Collenette, F.R.M.S
Kew, Observatory	29.61	752.1	29.65	753.1	45.3	7.4	85	e.	12	5.4	.....	.....	10	.....	.....	.....	.....	raining	The Staff.
Leicester, Museum	29.42	747.3	29.68	753.9	48.5	9.2	67	se.	.....	.....	2	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.75	755.6	29.82	757.4	60.4	15.8	89	ne.	.....	.....	2	.....	0	.....	.....	0	0	blue sky	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.06	763.5	30.11	764.8	74.0	23.3	51	ne.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.42	747.3	29.65	753.1	49.1	9.5	65	ene.	.....	.....	3	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.54	750.3	29.61	752.1	54.0	12.2	72	s.	.....	.....	2	.....	8	.....	.....	.....	.....	d. clouds	John Merrifield.
Sandwick Manse, Orkneys	29.72	754.9	29.82	757.4	46	7.8	77	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	blue sky	Rev. C. Clouston L.L.D
Scutari Cemetery, Turkey	29.91	759.7	29.97	761.2	65.2	18.4	63	sw.	.....	.....	1	.....	2	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.44	747.8	29.72	754 9	49.7	9.8	68	ne.	.....	.....	1	.....	9	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	29.74	755.4	29.76	755.9	50.7	10.4	74	e.	.....	.....	2	.....	5	.....	.....	0	0	d. clouds	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.75	755.6	47.2	8.4	70	ne.	9	4.0	.....	.....	10	.....	.....	0.103	2.6	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	44.3	6.8	96	e.	.....	.....	0.5	.....	10	.....	.....	.....	.....	raining	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.75	755.6	29.77	756.1	50.0	10.0	65	n.	18	8.0	.....	.....	5	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.41	747.0	29.79	756.7	66.4	19.1	63	e.	15.5	6.9	.....	8 ck	0	w.	.....	0	0	cloudy	Rev. Jos. Micall, S.J.
Hong Kong Obs'y, China	29.95	760.7	30.07	763.8	65.0	18.3	86	e.	29	13.0	.....	.....	10 k	.....	e.	1.085	27.6	overcast	The Staff.
CANADIAN.																			
Bathurst, N. B	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.10	764.5	30.14	765.5	30	— 1.1	91	ne.	12	5.4	.....	.....	10 n	.....	.....	0.050	1.3	cloudy	H. J. Cundall, C. E
Chatham, N. B*	30.19	766.8	30.26	768.6	32	0.0	78	ne.	9	4.0	.....	3 k	7 ks	ne.	ne.	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.84	757.9	30.04	763.0	44.1	6.7	70	e.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Jas. Smith, M. A.
Dalhousie, N. B	30.22	767.6	30.27	768.8	34.5	1.4	.....	w.	.....	.....	1	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	30.18	766.6	30.20	767.1	33	0.6	88	ne.	25	11.2	.....	0	hz	.....	.....	0	0	clear	J. McWilliams.
Fort Garry, Manitoba*	28.98	736 1	29.86	758.4	23	— 5.0	88	nw.	23	10.3	.....	.....	10 n	.....	.....	0	0	cloudy	James Stewart.
Fredericton, N. B	30.16	766.1	30.23	767.8	34.0	1.1	71	ne.	14	6.3	.....	0	3 s	.....	.....	0	0	fair	Dr. Thos. Harrison.
Grand Manan, N. B	30.07	763.8	30.12	765.0	38	3.3	82	ne.	22	9.8	.....	0	1 s	.....	.....	0.06	1.5	light haze	J. Chipman Seeley
Granton, Ontario	28.86	733.0	29.96	761.0	49.0	9.4	71	s.	9	4.0	.....	5 cs	0	s.	.....	0	0	d. clouds	Jas. Grant.
Halifax, N. S*	29.92	760.0	30.05	763.3	36	2.2	79	n.	16	7.2	.....	8 k	0	n.	.....	0	0	cloudy	A. Allison.
Hamilton, Ontario	29.52	749.8	29.92	760.0	47.0	8.3	76	ne.	.....	.....	1	0	0	.....	.....	0	0	blue sky	Geo. Dickson, B. A.
Kingston, Ontario*	29.66	753.4	30.00	762.0	46	7.8	74	s.	4	1.8	.....	0	0	.....	.....	0	0	clear	A. P. Knight, M. A
Little Glace Bay, N. S	30.02	762.5	30.06	763.5	32.0	0.0	89	ne.	.....	.....	5	.....	10 n	.....	.....	0	0	overcast	C. H. Rigby.
London, Ontario	29.08	738.6	29.95	760.7	47.7	8.7	53	se.	.....	.....	1	0	0	.....	.....	0.06	1.5	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.69	703.3	30.07	763 8	27	— 2.8	96	ne.	1	0.4	.....	7 cs	0	.....	.....	0.05	1.3	cloudy	John Ewart.
Minnedosa, N. W. T	27.92	709 2	29.97	761.2	17	— 8.3	80	n.	18	8.0	.....	.....	10 ks	.....	n.	0	0	cloudy	Rev. J. M. Wellwood
Montreal, Quebec*	29.89	759.2	30.10	764.5	43	6.1	71	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.84	757.9	30.06	763.5	45.7	7.6	72	ene.	.....	.....	.....	0	0	.....	.....	0	0	blue sky	A. McGill, M. A.
Parry Sound, Ontario*	29.24	742.7	29.93	760.2	47	8.3	63	se.	9	4.0	.....	1 cs	0	se.	.....	0	0	fair	Rev. R. Mosley.
Peterboro, Ontario	29.20	743 2	30.00	762.0	46.7	8.2	73	sw.	.....	.....	1	2 cs	0	sw.	.....	0	0	d. clouds	Wm. O'Connor, M.A.
Port Arthur	28.75	730.2	29.44	747.8	41	5.0	96	ne.	4	1.8	.....	.....	10 ks	.....	ne.	0.18	4.6	cloudy	W. P. Cooke.
Port Dover, Ontario	29 27	743.4	29.97	761.2	43	6.1	92	calm	0	0	.....	0	0	.....	.....	0	0	clear	H Morgan
Port Stanley, Ontario	29.31	744.5	29.96	761.0	45	7.2	76	e.	5	2.2	.....	hz	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27 67	702.8	30.00	762.0	30	— 1.1	.....	calm	0	0	.....	0	0	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.78	756.4	30.15	765.8	36	2.2	85	ne.	16	7.2	.....	0	0	.....	.....	0	0	clear	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.53	750.0	30.00	762.0	35	1.7	89	ne.	3	1.3	.....	0	0	.....	.....	0	0	clear	W. H. McIntyre.
St. Andrews, N. B	30.08	764.0	30.13	765.3	36	2.2	80	ne.	7	3.1	.....	0	0	.....	.....	0.14	3.6	clear	
St. John, N. B	29.98	761.5	30.13	765.3	35.5	1.9	83	ne.	12	5.4	.....	2 k	2 ks	ne.	.....	0	0	d. clouds	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.96	761.0	34.9	1.6	.....	ne.	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.17	740.9	29.90	759.4	37	2.8	89	s.	10	4.5	.....	0	0	.....	.....	0	0	clear	
Stratford, Ontario	28.69	728.7	29.96	761.0	51.1	10.6	39	s.	9	4.0	.....	0	0	.....	.....	0	0	blue sky	W. McBride, A. M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper 0–10	Lower 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill	Weather.	Observers
CANADIAN.—Continued.																			
Sydney, C. B*	29.97	761.2	30.03	762.7	34	1.1	88	n.	14	6.3			10 n			0	0	cloudy	T. C. Hill, C. E.
Toronto, Ontario*	29.63	752.6	30.02	762.5	44	6.7	53	ne.	4	1.8		0	0			0	0	clear	Magnetic Observatory.
Woodstock, Ontario	28.92	734.6	29.97	761.2	52.0	11.1	51	s.	12.0	5.4		10 cs	0			0.070	1.8	overcast	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.97	761 2	30.03	762.7	43.	6.1	71	ne.	14	6.3		0	0			0	0	clear	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.96	761.0	29.99	761.7	68.0	20.0	95	sw.				0	0			0.400	10.2	fine	I. Garfett.
Cape Town, The Castle	29.88	758.9			64.0	17.8	72	ne.			2	0	8 k			0	0		Capt. R. Gardner Warton
Springbok Fontein	27.88	708.1			73	22.8	60									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					54.0	12.2	90	w.			2		10 n		w.	0.472	12.0	cloudy	Leon Herrera.
Valparaiso	29.81	757.2	29.95	760.8	59.7	15.4	91	e.			1	ck	0			0	0	fair	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	30.11	764.7	30.13	765.3	51.4	10.8	68	sse.	3.8	1.7		0	0			0	0	clear	M. Marc Dechevrens, S. J
DANISH.																			
Copenhagen	29.93	760.3	29.98	761.5	47.5	8.6	68	s.	13	6			7						Oversergent Fischer.
Fanöe	29.91	759.8	29.93	760.3	46.9	8.3	71	w.			4		5						Overloerer Lauridsen.
Godthaab, Greenland	29.83	757.7	29.87	758.8	16.2	— 8.8		s.			4		10					snowing	S. Kleinschmidt.
Ivigtut, Greenland	29.87	758.8	29.89	759 3	18.3	— 7.6		n.			2		0						
Stykkisholm, Iceland	29.92	759.9	29.96	761.0	47.5	8.6	71	s.			4		10						A. O. Thoriacius.
Thorshavn	29.92	759.9	29 94	760.5	41.9	5.5	71	nne.	9	4			4						Overloerer Bergh.
Upernavik, Greenland	29.82	757.5	29.87	758.7	14.2	— 9.9		e.			2		5						
Vestervig	29.78	756.5	29.87	758.8	45.1	7.3	72	w.			4		0						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.71	754.7			92.3	33.5		ne.	7.2	3.2		0	4 s			0	0		Albert Ismatun, Dir.
FRENCH.																			
Agen, Normal School	29.41	746.9	30.05	763.3	55.8	13.2	65	wsw.			1	6 ck		nw.		0	0		M. Laboroue, Director.
Alençon, Normal School	29.24	742.8	29.80	756.8	52.9	11.6	83	s.			1	5 ck			n.	0	0	cloudy	M. Nicot, Director.
Arras, Normal School	29.52	749.7	29.76	755 8	55.8	13.2	45	sse.			4		8	nnw.	nnw.	0	0	very cloudy	M. Ungerer, Director.
Avignon, Normal School	29.82	757.4	29.90	759.4	60.8	16	32	nnw.			6		0			0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.35	745.6	29.90	759.4	57.4	14.1	37	s.			1		0			0	0	clear	M. Saillard, Director.
Beauvais, Normal School	29.52	749 7	29.78	756 4	57.4	14.1	60	s.			2		8		ssw.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.85	732.8	29.73	755.1	59.7	15.4	76	nne.			1				nnw.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.70	754.4	29.97	761.1	53.8	12.1	76	w.			2		10		w.			raining	M. Rayet, Director.
Bourges, Normal School	29.36	745.8	29.91	759.6	58.1	14.5	37	sw.			8		8		sw.	0	0	very cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.56	750.8	29.80	757.0	56.5	13.6	64	wsw.			4		7		wsw.	0.307	7.8		M. de Kermarec, Dir.
Caen, Normal School	29.60	751.8	29 67	753.6	57.2	14.0	71	sw.			1		5		sw.	0.047	1.2	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'					55.0	12.8	57	ssw.			2		2			0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.34	745.3	29.86	758.5	58.6	14.8	44	s.			1		2		sw.	0	0	¼ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.56	725.4	29.90	759.5	57.9	14.4	34	nw.			1		5			0	0		M. Alluard, Director.
Cluny, Normal School	29.11	739.4	30.01	762.3	54.3	12.4	41	n.			1		4			0	0		M. de Villemonté, Dir.
Commercy, Normal School	29.11	739.3	29.95	760.6	52.5	11.4	31	sw.			1		ks	sw.	sw.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.28	693 0	29.82	757.5	50.9	10.5	52	w.			4		2 k			0	0		M. Jarach, Director.
Grenasque, du Rhone	28.73	729.7	29.86	758.4	54.1	12.3	35	nw.			3		1		nw.	0	0		M. Kina, Director.
Grenoble. Normal School	29.13	739.9	29.90	759.4	54.7	12.6	47	nw.			6		k		n.	0	0		M. Ablard, Director.
Guéret, Normal School	28.32	719.2	29.90	759.5	53.2	11.8	61	w.			4		kn		e.	0	0		M. Delorme, Dir.
Lamballe Normal School	29.47	748.5	29.74	755.5	48.9	9.4	66	wsw.			2		5 k		wsw.	0.555	14.1		M. Polipre, Dir.
Lescar, Normal School	29.48	748.8	30.05	763.2	59.0	15.0	48	w.			1		5 k		w.	0	0	cloudy	M. Chauvin, Director.
Lorient, Naval Observatory	29.72	754.8	29.82	757.4	55.4	13.0	55	w.			3		2		sw.	0.020	0.5	¼ covered	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28 89	733.8	29.95	760.7	53.1	11.7	33	nw.			1	5 ck		ww.		0	0	cloudy	M. André, Director.
Mans, Normal School	29.47	748 4	29.77	756.1	52.3	11.3	77	sw.			8		5 kn		sw.	0	0	cloudy	M. Richard, Director.
Marseille, Observatory	29.56	750.9	29 84	757.8	58.8	14.9	45	nw.			8		1		nw.	0	0		M. Stephan, Director.
Montlouis	24.72	627.9	29.56	750.9	40.6	4.8	56	n.	5.6	2.5			2	n.		0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.78	756.3	29.93	760.1	61.2	16.2	46	n.			4		2	nw.		0	0	slightly cl'dy	M. Galzin, Director.
Nancy, Normal School	29.14	740.2	29.95	760.8	55.0	12.8	36	ne.			1	ck			w.	0	0		M. Hasse, Director.
Nantes, Observatory	29.69	754.0	29.85	758.1	56.8	13.8	53	wsw.			4		bk;kn;n		wsw.	0.047	1.2		M. Larocque, Director.
Perpignan, Observatory	29.87	758.8	29.99	761.7	58.3	14.6	41	nw.	16.8	7.5			1		nw.	0	0		Dr. Fines, Director.
Pic-du-Midi, Summit	21.04	534.5			24.1	— 4.4		ne.			1		5		ne.	0	0	cloudy	M. Vaussenat, Director.
Privas, Normal School	28.86	733.1	29.93	760.1	56.1	13.4	33	n.			1		1		n.	0	0	clear	M. Tallieu.
Puy de Dôme Obs'y, Summit	25.02	635.4			34.5	1.4	69	wsw.			2		5 k		w.	0	0		M. Alluard.
Rochefort, Naval Obs'y	29.87	758.8	29.91	759.6	54.1	12.3	86	sw.			2		10		sw.			raining	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.66	753 4	29.87	758.8	52.5	11.4	85	w.			1				sw.	0.177	4.5		M. Brothier, Director.
Rodez, Normal School	27.85	707.4	29.99	761.7	52.2	11.2	54	nw.			2		5		se.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.75	755.6	29.80	756.8	50.4	10.2	89	sw.			1		10		sw.	0	0	covered	M. Mouillot, Dir.
Saint Maur, Observatory	29.66	753.3	29.82	757.5	57.7	14.3	43	ssw.			6		8		sw.	0	0	very cloudy	M. Renou, Director.
Toulouse, Observatory	29.34	745 3	30.07	763.7	55.8	13.2	48	wsw.			2		8	nw.		0.031	0.8	very cloudy	M. Baillaud, Director.
Tours	29.66	753.3	29.84	757.9	52.9	11.6	75	sse.			4		10		ssw.			raining	M. de Tastes.
Versailles, Observatory	29.31	744.5	29.80	757.0	55.8	13.2	55	sw.			8		8			0.134	3.4	covered	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.92	759.9	30.07	763.7	56.5	13.6	62	w.	15.7	7.0		ck	9 k		w.	0.020	0.5		M. Carlier, Director.
GERMAN.																			
Ansbach	28.49	723.7	29.95	760.6	51.8	11.0	34	n.			2		5	n.		0	0		Prof. Jnedt.
Bamberg	29.07	738.4	29.91	759.8	55.0	12.8	55	ne.			1		5 k		e.	0	0		Prof. Dr. Hoh.
Berlin	29.79	756.7	29.93	760.3	56.1	13.4	34	e.			4		0			0	0		Meteorological Institute
Breslau	29.43	747.4	29.95	760.8	51.6	10.9	69	e.			2		10			0	0		Royal University Obs'y
Carlsruhe	29.49	749.0	29.95	760.7	54.9	12.7	42	se.			2		5	sw.		0	0		Albert Senz.
Cassel	29.21	741.8	29.92	759.9	52.9	11.6	35	se.			2		7	s.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.56	750 9	29.93	760.2	53.6	12.0	44	s.			1		0			0	0		Physical Society.
Friedrichshafen	28.54	724.8	29.96	761.0	50.4	10.2	75	ne.			1		10	ne.		0	0		Wilhelm, Chief Tel.
Hamburg	29.88	758.9	29.97	761.2	47.8	8.8	76	w.			3		6			0	0		E. Preller.
Kiel	29.91	759.8	29.93	760.2	48.0	8.9	61	s.			2		10			0.004	0.1		Prof. Dr. G. Karsten.
Leipsic, Astron'l Obs'y	29.52	749.9	29.95	760.6	53.8	12.1	55	e.			2		9			0	0		H. Leppig, Asst.
Magdeburg	29.76	755.9	29.95	760.8	53.2	11.8	45	sse.			2		6	se.		0	0	misty	Weather Observatory.
Memel	30.06	763.4	30.10	764.6	47.3	8.5	81	s.			2		10 s						Issermann.
Munich	28.08	713.1	29.93	760.2	43.0	6.1	81	nw.			2		10	w.		0.193	4.9		Central Station.
Neufahrwasser	30.01	762.3	30.04	763.0	46.8	8.2	91	e.			1		7			0.008	0.2		A. Lothes.
Neustadt, Palatinate	29.37	745.9	29.89	759.3	54.3	12.4	50	e.			1		4	e.		0	0		Prof. Dicknether.
Stuttgart	28.98	736.1	29.87	758.7	54.1	12.3	40	e.			1		6	w.		0	0		Dr. L. Meyer.
Wustrow	29.95	760.7	29.97	761.3	48.2	9.0	65	n.			1		5 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.56	750 8	29.94	760.4	73.4	23.0		sw.			2.0	9				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.82	757.4	29.87	758.7	83.9	28.8	75	w.	34.0	15.2			0			0	0	blue sky	
Deesa	29.35	745.4	29.80	757.0	99.5	37.5	12	wnw.	14.0	6.3			1	wsw.		0	0	d. clouds	
Bombay	29.77	756.2	29.81	757.1	87.5	30.8	57	nnw.	24.0	10.7			7	nnw.	nw.	0	0	d. clouds	
Poona, Yarrowda	28 02	711.6	29.85	758.1	86.1	30.1	28	sw.	19.0	8.5			10			0.07	1.8	overcast	
Trichinopoly	29.56	750.7	29.83	757.6	96.6	35.9	44	ene.	0.2	0.1			4	nne.	nne.	0	0	d. clouds	
Bellary	28.32	719.4	29.74	755 4	98.0	36.7	18	ne.	4.0	1.8			3			0	0	d. clouds	
Belgaum	27.29	693.2	29.77	756.2	87.6	30.9	42	wsw.	9.0	4.0			7		w.	0	0	d. clouds	
Lahore	29.04	737.6	29.77	756.1	91.1	32.8	35	calm	0	0						0.16	4.1	d. clouds	
Roorkee	28.83	732.3	29.69	754.2	99.6	37.6	18	calm	0	0						0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 01–0	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	Weather.	Observers.
INDIAN.—Continued.																			
Agra	29.20	741.5	29.74	755 3	100.1	37.8	7	w.	4.0	1.8	.....	.....	1	.....	w.	0	0	d. clouds	
Nagpur	28.74	729.9	29.74	755 4	99.5	37.5	15	calm	2.0	0.9	.....	.....	6	.....	.....	0	0	d. clouds	
Tubbulpore	28.44	722.4	29.75	755 5	99.6	37.6	13	nw.	6.0	2.7	.....	.....	8	.....	w.	0	0	d. clouds	
Lucknow	29.41	747.0	29.77	756.2	99.4	37.4	12	wnw.	7.0	3.1	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.42	747.2	29.72	754.8	100.7	38.2	11	nw.	.....	.....	.....	.....	0	.....	.....	0	0	blue sky	
Patna	29.56	750.7	29.73	755.2	97.5	36.4	22	nw.	6.9	3.1	.....	.....	2	nw.	nw.	0	0	.....	
Hazaribagh	27.77	705.4	29.73	755.0	91.5	33.1	12	nnw.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Cuttack	29.73	755.1	29.81	757.1	89.6	32.0	38	wnw.	3.0	1.3	.....	.....	5	.....	.....	0	0	d. clouds	
Calcutta, Alipore	29.76	755.9	29.78	756.5	85.5	29.7	68	ssw	8.0	3.6	.....	.....	2	.....	.....	0	0	d. clouds	
Chittagong	29.77	756.1	29.86	758.4	82.2	27.9	78	sw	3.5	1.6	.....	.....	1	.....	.....	0	0	d. clouds	
Sibsagar	29.53	750.2	29.87	758.8	77.5	25.3	71	sw	2.0	0.9	.....	.....	8	w.	w.	0	0	d. clouds	
Jeypore	28.37	720.5	29.76	755 9	97.3	36.3	12	wnw.	12.0	5.4	.....	.....	6	w.	.....	0	0	d. clouds	
Zanzibar	29.87	758.7	.....	.....	81.0	27.2	74	ssw.	10.4	4.6	.....	.....	9	.....	ese.	.....	.....	d. clouds	
ITALIAN.																			
Udine	29.43	747.4	29.83	757.7	57.6	14.2	61	ne.	1.8	0.8	.....	.....	10	.....	.....	0.370	9.4	.....	Prof. Giovanni Olodig.
Milan	29.30	744.1	29.81	757.1	57.9	14.4	69	ene.	2.5	1.1	.....	.....	7	nw.	.....	0.138	3.5	.....	Prof. G.V.Schiapparelli
Padua	29.70	754 3	29.80	757.0	55.2	12.9	72	ne.	10.5	4.7	.....	.....	9	ene.	.....	0.469	11.9	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.90	734.0	29.79	756.7	57.0	13.9	62	sw.	3.1	1.4	.....	.....	9	ne.	.....	1.024	26.0	.....	Prof. F. F. Denza.
Genoa	29.61	752.1	29.86	757.0	56.5	13.6	64	s.	2.5	1.1	.....	.....	10	ne.	.....	0.228	5.8	.....	Prof. G. M. Garibaldi
Pesaro	29.78	756.3	29.82	757.5	59.0	15.0	58	nw.	6.3	2.8	.....	.....	9	sw.	.....	0	0	.....	Prof. Luigi Guidi.
Florence	29.52	749.7	29.77	756.1	61.3	16.3	46	s.	.....	.....	2	.....	7	.....	.....	0.185	4.7	.....	Prof. Costantino Pittei.
Leghorn	29.67	753.5	29.75	755 6	54.9	12.7	74	ne.	7.4	3.3	.....	.....	9	e.	.....	0.327	8.3	.....	Prof. P. Monte.
Rome	29.66	753.4	29.84	757.8	61.7	16.5	50	ssw.	7.4	3.3	.....	.....	10	.....	.....	0	0	.....	Prof. P. Tacchini.
Lecce	29.60	751.8	29.85	758.1	69.1	20.6	56	s.	15.0	6.7	.....	.....	6	s.	.....	0	0	.....	Prof. C. de Giorgi.
Cosenza	28.98	736 2	29.87	758 6	62.6	17.0	78	ssw.	2.5	1.1	.....	.....	9	sw.	.....	0.071	1.8	.....	Prof. D. Conti.
Palermo	29.65	753.0	29.89	759.2	56.8	13.8	86	nne.	1.8	0.8	.....	.....	10	.....	.....	0.071	1.8	.....	Prof. G. Cacciatore
Syracuse	29.80	756.8	29.84	757.9	69.1	20.6	72	ne.	3.1	1.4	.....	.....	10	sse.	.....	0.008	0.2	.....	Sig. V. Giulu no.
Sub-series.																			
Naulas, Astron'l Obs'y	29.39	746 5	.....	.....	55.4	13.0	77	sw.	9.4	4.2	.....	.....	10	.....	.....	0.331	8.4	.....	Prof. F. Grioschi.
Stelvio	21.91	556.5	.....	.....	30.2	— 1.0	90	ne.	.....	.....	2	.....	10	.....	.....	0.213	5.4	covered	Prof. P. F. Denza.
Valdobbia	21.93	557.0	.....	.....	29.8	— 1.2	76	ese.	.....	.....	2	.....	10	.....	.....	0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.76	755.8	29.79	756.7	46.0	7.8	75	w.	.....	.....	6	.....	9k;ks	.....	w.	0.378	9.6	cloudy	H. Hattori.
Awomori	29.64	752.8	29.68	753 9	41.3	5.2	75	sw.	37.4	16.7	.....	0	3 ks	.....	sw.	0.015	0.4	fair	K. Ogawa.
Hakodate	29.63	752.7	29.64	753.0	43.0	6.1	54	w.	18	8.0	.....	0	3 s	.....	wnw.	0.023	0.6	clear	Y. Souma.
Hamamatsu	29.73	755.1	29.83	757.6	51.0	10.6	51	w.	.....	.....	4	0	2 s	.....	.....	0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	29.97	761.2	29.98	761.6	48.7	9.3	85	w.	2.0	0.9	.....	0	0	.....	.....	0	0	clear	Y. Okamoto.
Kagoshima	30.07	763.7	30.09	764.2	54.9	12.7	94	n.	.....	.....	2	0	0	.....	.....	0	0	clear	
Kanazawa	29.83	757.7	29.93	760.3	47.0	8.3	71	s.	2.9	1.2	.....	0	3ks;s	.....	.....	inap.	inap.	fair	S. Endo.
Kioto	29.74	755.4	29.91	759.8	51.4	10.8	63	nnw.	6.2	2.8	.....	.....	10 s	.....	.....	0	0	cloudy	M. Tojima.
Kochi	29.93	760.1	29.95	760.6	53.1	11.7	55	w.	14.1	6.3	.....	0	8 s	.....	.....	0	0	cloudy	K. Kusunose.
Miasaka	30.01	762.3	30.04	763.0	51.7	10.9	60	w.	.....	.....	2	2	0	.....	.....	0	0	clear	K. Masusaki&T. Ishiuaia
Miyako	29.61	752.0	29.72	754.8	47.7	8.7	59	wsw.	5.6	2.5	.....	1 ck	1 s	sw.	sw.	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.86	758.4	30.07	763.8	52.6	11.4	56	w.	3.6	1.6	.....	0	0	.....	.....	0	0	clear	
Nemuro	29.48	748.8	29.53	750.1	37.1	2.8	79	wsw.	3.0	1.3	.....	1 k	0	.....	.....	0.69	17.5	clear	A Shibuya.
Niigata	29.84	757.9	29.88	758.9	45.7	7 6	79	w.	12.6	5.6	.....	0	3 ks	.....	w.	0.030	0.8	fair	Satoo & Tomikawa.
Nobiru	29.74	755.4	29.75	755.6	48.2	9.0	61	nnw.	5.1	2.2	.....	0	: s	.....	.....	0	0	fair	Yoshino & Midzushina.
Numadzu	29.71	754.6	29.74	755.5	55.1	12.8	52	wnw.	.....	.....	1	.....	10 s	.....	.....	0	0	cloudy	T. Ohgi.
Osaka	29.90	759.5	29.92	759 9	51.7	10.9	75	e.	6.0	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	H. Omura.
Saga	30.02	762 5	30.04	763.1	49.0	9.4	73	sw.	2.4	1.1	.....	0	0	.....	.....	0	0	clear	A. Matsuhayashi.
Sakai	29.91	759.8	29.92	760.0	47.4	8.6	69	sw.	.....	.....	2	0	0	.....	.....	0.244	6.2	clear	Yamawchi & Sakamoto.
Sapporo	29.49	749.1	29.56	750.7	42.3	5.7	65	s.	5.6	2.5	.....	.....	10 n	.....	.....	0.220	5.6	covered	S. Kimura.
Shimonoseki	29.86	758.4	30.00	762.1	51.7	10.9	60	wsw.	.....	.....	4	0	0	.....	.....	0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.70	754.3	29.77	756.2	54.2	12.3	67	ene.	9.2	4.1	.....	.....	10 s	.....	.....	0	0	covered	The Staff.
Wakayama	29.86	758.5	29.91	759.8	49.0	9.4	71	calm	0	0	.....	0	0	.....	.....	0	0	clear	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.75	755.6	29.94	760.5	76.7	24.8	77	se.	17.5	7.8	.....	4k;cs	6ks;kn	nw.	se.	0.03	0.8	overcast	The Staff.
MEXICAN.																			
Leon	24.29	617.0	29.97	761.2	57.2	14.0	60	nnw.	0.9	0.4	.....	1 ck	1 s	.....	.....	0	0	clear	M. Leal & M. Pina
Mazatlan	29.64	753.0	29.91	759 7	69.0	20.6	77	ene.	1.6	0.8	.....	0	7 n	.....	w.	0	0	foggy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.80	756.8	29.80	756 8	52.9	11.6	.....	sse.	.....	.....	4	.....	.....	.....	.....	0.012	0.3	.....	
Groningen	29.85	758.1	29.90	759.5	49.3	9.6	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	29.86	758.4	29.86	758.4	48.6	9.2	.....	sw.	.....	.....	3	.....	.....	.....	.....	0.094	2.4	.....	
Hellevoetsluis	29.82	757.5	29.82	757 5	48.9	9.4	59	s.	.....	.....	3	.....	.....	.....	.....	0	0	.....	
Utrecht	29.83	757.7	29.88	758.9	52.7	11.5	43	sse.	.....	.....	3	.....	10	.....	.....	0	0	covered	H. van der Brink.
Sub-series.																			
Batavia, Java	29.86	758.5	.....	.....	81.3	27.4	81	ne.	0	0	.....	.....	4	.....	.....	0	0	.....	Lt. J. J. Roptman, R.D.N.
NORWEGIAN.																			
Bergen	29.68	753 8	29.74	755.4	43.2	6.2	65	nnw.	2	1	.....	.....	10	.....	.....	0.016	0.4	.....	
Brono	29.69	754.1	29.73	755.1	44.1	6.7	58	nne.	.....	.....	2	.....	10	.....	.....	0	0	.....	
Christiania	29.61	752.0	29.76	755.8	42.6	5.9	79	s.	18	8	.....	.....	9	.....	.....	0.331	8.4	.....	
Gjæsvær	29.84	757.8	29.86	758.4	35.2	1.8	.....	nw.	.....	.....	6	.....	10	.....	.....	0	0	.....	
PORTUGUESE.																			
Funchal, Madeira	30.15	765.7	30.23	767.9	64.4	18.0	44	ene.	13.6	6.1	.....	.....	2	.....	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.89	759.2	30.23	767.9	56.5	13.6	66	nw.	11.2	5.0	.....	.....	7	.....	.....	0	0	.....	The Staff.
Ponta Delgada, Azores	30.32	770.1	30.39	771.9	59.0	15.0	52	ese.	11.9	5.3	.....	.....	3	nne.	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	29.90	759.4	29.93	760.3	72.3	22.4	79	ne.	.....	.....	4	.....	9	.....	.....	0	0	light haze	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	25.32	643.0	30.21	767.2	34.3	1.3	96	nw.	22.4	10.0	.....	.....	9	.....	.....	0.008	0.2	foggy	
RUSSIAN.																			
Akmolinski	29.06	738.1	30.18	766.6	33.6	0.9	36	ene.	22	10	.....	.....	10 n	.....	.....	0.020	0.5	.....	Major K. Lasarew.
Archangel	30.20	767.0	30.22	767.5	43.7	6.5	47	sw.	9	4	.....	0	6 ks	.....	.....	0	0	.....	Capt. Sselliwerstow.
Ashuradа	29.80	756 8	29.70	754.4	69.3	20.7	94	nw.	11	5	.....	cs	3 k	.....	.....	0	0	.....	Capt. Wisganow.
Astrakhan	29.96	761.0	29.89	759.1	57.9	14.4	46	ne.	13	6	.....	.....	10	.....	.....	.....	.....	.....	
Baku	29.81	757.1	29.76	755.9	55.9	13.3	72	n.	13	6	.....	0	7 ks	.....	.....	.....	.....	.....	Meteorological Office.
Barnaul	29.78	756.5	30.31	769.8	32.4	0.2	50	nw.	9	4	.....	.....	2	.....	.....	0	0	.....	
Bielosersk	30.02	762.4	30.50	774.6	46.8	8.2	43	ssw.	7	3	.....	10 cs	0	.....	.....	0	0	light clouds	
Dorpat	29.97	761.3	30.22	767.5	56.3	13.5	44	s.	11	5	.....	8 cs	0	.....	.....	0	0	.....	Rosenthal.
Ekaterinburg	29.41	746.9	30.40	772.2	41.5	5.3	38	n.	4	2	.....	1 ck	0	.....	.....	0	0	.....	Meteorological Obs'y.
Elisawetgrad	29.06	753.4	30.12	765 1	43.3	6.3	75	e.	11	5	.....	.....	10 n	.....	.....	0.134	3.4	.....	
Kasalinsk	29.45	748 1	29.63	752.6	77.0	25.0	37	nne.	14.5	6.5	.....	.....	.....	.....	.....	.....	.....	.....	Butkewitsch.
Kasan	30.13	765.4	30.41	772.4	46.4	8.0	44	ne.	7	3	.....	0	1 k	.....	.....	0	0	.....	Observatory.
Kem	30.12	765.0	30.17	766.3	46.4	8.0	37	ssw.	13	6	.....	0	6 ks	.....	.....	0	0	light clouds	
Kertch	29.85	758.3	29.88	758.9	50.5	10.3	75	e.	13	6	.....	.....	10 n	.....	.....	0	0	.....	
Kieff	29.52	749.7	30.17	766.2	45.7	7.6	58	ese.	22	10	.....	.....	10ks;n	.....	.....	0	0	.....	Lagorio & Sastyrez.
Koslov	29.83	757.6	30.35	770.9	40.8	4.9	53	ene.	18	8	.....	0	0	.....	.....	0	0	.....	Observatory.
Lgov	29.74	755.5	30.34	770.7	48.0	8.9	48	ene.	18	8	.....	.....	1	.....	.....	0	0	.....	
Libau	30.07	763.8	30.10	764.4	47.5	8.6	81	sw.	7	3	.....	.....	10	.....	.....	0.240	6.1	.....	R. I. Seaweljew, Engin'r.
Lugan	29.85	758.1	30.05	763 2	54.9	12.7	40	ene.	22	10	.....	.....	4	.....	.....	0	0	.....	E. Quass.
Moscow	30.00	761.9	30.49	774.5	43.2	6.2	42	se.	4	2	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27.67	702.8	30.01	762.3	34.9	1.6	32	calm	0	0	.....	.....	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nikolaiev	29.95	760.8	30.02	762.6	44.1	6.7	91	calm	0	0	.....	.....	10 n	.....	.....	0.689	17.5	.....	Capt. Kurdakow.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.78	756.4	29.87	758.6	27.0	— 2.8	89	calm	0	0	.....	0	0	.....	... .	.....	.....	....	Iwanow.
Pekin, China	29.81	757.2	29.95	760.8	55.9	13.3	43	calm	0	0	.....	0	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.28	743.6	29.61	752.0	84.2	29.0	22	ne.	1.1	0.5	.....	10 cs	0	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	30.13	765.2	30.32	770.2	50.5	10.3	38	ssw.	22	10	.....	0	3 ks	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.64	752.8	30.14	765 6	45.9	7.7	65	ese.	34	15	.....	.....	10 ks	.....	.....	0	0	.....	
Poti	29.91	759.6	29.94	760.4	53.6	12.0	96	sw.	9	4	.....	.....	10 n	.....	.....	0.094	2.4	raining.	
St. Petersburg	30.29	769.3	30.31	769.9	49.6	9.8	33	sse.	18	8	.....	0	5	.....	.....	0	0	light clouds	Central Physical Obs'y.
Samarkand	27.34	694.3	29.68	753.8	76.5	24.7	65	calm	0	0	.....	8 ck	0	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.63	752.5	30.31	769.9	36.9	2.7	57	n.	9	4	.....	.....	10	.....	.....	Inap.	Inap.	.....	Major Lasarew
Sevastopol	29.74	755.5	29.96	761.0	50.4	10.2	94	nw.	11	5	.....	.....	10 n	.....	.....	0.118	3.0	.....	
Staroi Bykhov	29.72	754.9	30.28	769.1	52.5	11.4	35	ese.	27	12	.....	0	0	.....	.....	0	0	.....	Carl Hagen.
Tashkend, Laboratory	28.11	714.1	29.68	753.8	81.9	27.7	35	nw.	4	2	.....	.....	9 k	.....	.....	.....	.....	light clouds	Teren, A. M
Tiflis	28.42	721.9	29.82	757.4	59.4	15.2	60	n.	13	6	.....	.....	10	.....	.....	0.496	12.6	.....	Physical Observatory
Vernoe	27.30	693.5	29.71	754.5	69.4	20.8	60	nw.	2	1	.....	0	6 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.83	757.7	30.48	774.2	41.4	5.2	45	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	29.56	750.7	29.62	752.4	37.9	3.3	75	n.	9	4	.....	.....	10 n	.....	.....	0.039	1.0	.....	
Warsaw	29.58	751.4	30.01	762.3	45.7	7.6	79	se.	16	7	.....	.....	10 n	... .	.....	.....	.....	.....	Astronomical Obs'y.
Yeniseisk	29.82	757.5	30.13	765.3	22.8	— 5.1	64	w.	29	13	.....	.....	10	.....	.....	0.012	0.3	snowing.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.86	758.4	30.41	772.4	41.0	5.0	44	ese.	14.8	6.6	.....	0	0	.....	.....	0	0	clear.....	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.86	758 5	29.67	761.3	59.2	15.1	60	s.	15.7	7.0	.....	2 c	0	.....	.....	0.236	6.0	misty.....	B. Jelin.
Bilbao, Met. Obs'y	29.97	761.2	30.03	762.7	61.9	16.6	59	nw.	2.0	0.9	.....	2	7	n.	.....	0.106	2.7	almost cov'd	Angel de Uralde.
Burgos, Met. Obs'y	27.09	688.0	30.10	764 5	49.6	9.8	64	w.	9.4	4.2	.....	.....	8	.....	.....	0	0	cloudy.....	Domingo Martin.
Madrid, Royal Obs'y	27.83	706.9	30.06	763.5	58.8	14.9	44	sw.	7.2	3.2	.....	0	2	.....	.....	0	0	clouds, ...	The Staff.
Murcia, Met. Obs'y	29.86	758.5	29.99	761.8	65.3	18.5	50	nnw.	5.8	2.6	.....	3	3	se.	.....	0	0	cloudy...	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.16	740.7	30.06	763.6	54.0	12.2	78	sw.	6.3	2.8	.....	.....	10	.....	.....	0.012	0.3	sprinkling...	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.03	762.7	30.10	764.4	64.8	18.3	81	se.	0.4	0.2	.....	0	k	.....	.....	0	0	clear.....	Benito Vines, S. J.
Manilla, Philippine Islands	29.88	759.0	29.94	760.5	82.0	27.8	78	se.	8.8	3.9	.....	0	8	.....	.....	0	0	clear.....	F. Faura, S. J.
San Fernando, Naval Obs'y	30.13	765.2	30.23	767.7	59.0	15.0	78	w	6.3	2.8	.....	0	3	.....	W.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I	29.88	759 0	29.97	761.3	79.2	26.2	84	calm	0	0	.....	4 s	6 k	.....	.....	0.551	14.0	cloudy.....	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	29.96	761.0	30.00	762.0	43.3	6.3	100	s.	.....	.....	2	.....	5	.....	.....	.....	.....	raining	
Umea	29.89	759.3	29.95	760.6	36.3	2.4	100	sw.	.....	.....	6	.....	10	.....	.....	0.075	1.9	.....	
Hernosand	29.84	758.0	29.89	759 3	39.9	4.4	84	se.	.....	.....	6	.....	10	.....	.....	0.091	2.3	.....	
Stockholm	29.79	756 7	29.97	761.2	49.1	9.5	50	s.	.....	.....	4	.....	0	.....	.....	0.130	3.3	.....	
Wisby	29.90	759 5	29.96	761.0	45.7	7.6	74	w.	.....	.....	6	.....	0	.....	.....	0.217	5.5	.....	
Sub-series.																			
Upsala	29.81	757.2	29.90	759.4	50.0	10.0	54	s.	19.5	8.7	.....	.....	7	.....	sw.	blank	blank	... .	H.H.Hildebrandsson
Swiss																			
Geneva	28.49	723.6	29.92	760.0	52.5	11.4	49	nw.	.....	.....	2	.....	4	.....	.....	0	0	cloudy.....	The Observatory.
Turkish.																			
Constantinople	.....	.....	30.02	762.5	62.2	16.8	61	se.	9	4.0	.....	.....	4	.....	sw.	0	0	.....	The Observatory.
Valona	.....	.....	30.02?	762.4?	71.2	21.8	.....	s.	.....	.....	2	.....	8	.....	.....	0	0	¼ covered...	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.91	759.7	73.8	23.2	73	sw.	.....	.....	2	8 c	0	.....	.....	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.02	762 5	30.10	764.5	51.6	10.9	70	sw.	1	0.4	.....	3 cs	hz.	.....	.....	0	0	clear.....	J. O. Barnes.
Alpena, Michigan	29.12	739.6	29.81	757.2	45.6	7.6	61	se.	11	4.9	.....	4 cs	0	se.	.....	0	0	fair.....	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.79	629 7	29.71	754.6	42.8	6.0	51	s.	4	1.8	.....	0	0	....	.....	0	0	clear.....	J. B. Turton.
Assinnaboine, Ft., Montana	27.10	688 3	30.01	762.2	27.6	— 2.4	100	calm	0	0	.....	.....	10 s	.....	.....	0.15	3.8	cloudy.....	J.J.O'Connor.
Atlanta, Georgia	28.93	734.8	30.12	765.0	57.8	14.3	66	sw.	8	3.6	.....	2 c	hz.	W.	.....	0	0	clear.....	S. W. Beall
Atlantic City, New Jersey	30.04	763.0	30.05	763.3	52.5	11.4	80	nw.	4	1.8	.....	0	0	.....	.....	0.60	15.2	clear.....	B.A.Blundon.
Augusta, Georgia	29.96	761.0	30.15	765 8	52.2	11.2	84	calm	0	0	.....	6 c	hz.	.. ..	.....	0	0	fair.....	W.J.Evans.
Baltimore, Maryland	30.06	763.5	30.10	764.5	56.8	13.8	56	nw.	1	0.4	.....	hz.	0	.....	.....	0	0	clear.....	Geo. W. Felger.
Barnegat City, New Jersey	30.04	763.0	30.06	763.5	53.4	11.9	74	n.	7	3.1	.....	0	0	.....	.....	0.03	0.8	clear	J.P.Sherry.
Bennett, Fort, Dakota	28.23	717.0	29.87	758.7	43.0	6.1	80	ne.	1	0.4	.....	.....	10 s	.....	.....	0	0	cloudy	A. Pritchard.
Benton, Fort, Montana	27.17	690.1	30.03	762.7	24.5	— 4.2	100	e.	4	1.8	.....	.....	10 n	.....	n.	0.15	3.8	light snow...	C.S.Bennett.
Bismarck, Dakota	28.01	711.4	29.89	759.2	33.1	0.6	78	n.	12	5.4	.....	.....	10 s	.....	n.	0	0	cloudy	B. O. Lenoir.
Block Island, Rhode Island	30.04	763.0	30.07	763.8	43.5	6.4	94	ne.	24	10.7	.....	0	0	.....	.....	0.01	0.3	clear.....	J. T. Elker.
Boise City, Idaho	26.75	679.4	29.59	751.6	43.0	6.1	77	calm	0	0	.....	2 c	6 s	.....	se.	0	0	cloudy.....	James Kenealy.
Boston, Massachusetts	29.98	761.5	30.14	765.5	45.6	7.6	83	ne.	8	3.6	.....	0	3	.....	.....	0.06	1.5	clear.....	O. B. Cole.
Brownsville, Texas	29.69	754.1	29.75	755.6	73.0	22.8	97	s.	12	5.4	.....	0	6 k	.....	s.	0	0	fair.	John McGlone.
Buffalo, New York	29.25	742.9	30.02	762.5	47.1	8.4	60	se.	4	1.8	.....	0	0	.....	....	0	0	clear.....	D.Cuthbertson.
Buford, Fort, Dakota	27.82	706.6	29.92	760.0	33.0	0.6	90	ne.	6	2.7	.....	.....	10 n	.....	ne.	0.03	0.8	light snow...	A. Schneider.
Cairo, Illinois	29.45	748.0	29.86	758.4	64.0	17.8	78	w.	6	2.7	.....	.....	10 s	.....	W.	0.07	1.8	cloudy.....	W. H. Ray.
Canby, Fort, Washington Ter	29.69	754.1	29.89	759.2	47 0	8.3	94	e.	2	0.9	.....	.....	fg.	.....	.....	0.03	0.8	dense fog....	J.H.Young.
Cape Henry, Virginia	30.08	764.0	30.10	764.5	54.0	12.2	80	nw.	10	4.5	.....	0	0	.....	.....	0	0	clear.....	A. K. Alderson.
Cape May, New Jersey	30.05	763.3	30.08	764.0	53.0	11.7	77	nw.	14	5.4	.....	2 c	0	.....	.....	0.01	0.3	clear.....	W.E.Smith.
Cape Mendocino, California	29.12	739.6	29.81	757.2	39.8	4.3	89	nw.	34	15.2	.....	.....	10 n	.....	.....	0.32	8.1	heavy rain..	A. P. Leavitt.
Cedar Keys, Florida	30.09	764.3	30.11	764.8	64.0	17.8	73	e.	5	2.2	.....	0	0	.....	.....	0	0	clear.....	G. W. Davis.
Charleston, S. Carolina	30.04	763 0	30.10	764.5	61.0	16.1	65	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	J. H. Smith.
Charlotte, N. Carolina	29.24	742.7	30.10	764.5	52.8	11.6	59	n.	2	0.9	.....	0	fg.	.....	.....	0	0	clear.....	D. O'Donoghue.
Chattanooga, Tennessee	29.22	742.2	30.05	763.3	54.0	12.2	85	s.	1	0.4	.....	0	9 k;fg	.....	sw.	0	0	cloudy.....	B. L. Gouldins.
Cheyenne, Wyoming	23.80	604 5	29.82	757 4	26.1	— 3.3	83	nw.	5	2.2	.....	0	0	.....	.....	0.02	0.5	clear.....	E. McGovern.
Chicago, Illinois	28 85	732.8	29.58	751.3	60.6	15.9	62	s.	14	6.3	.....	.....	10 ks	.....	s.	0	0	cloudy	T.B.Jennings.
Chincoteague, Virginia	30.04	763.0	30.06	763.5	51.0	10.6	86	n.	15	6.7	.....	0	0	.....	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.24	742.7	29.91	759.7	60.0	15.6	50	se.	8	3.6	.....	0	5 s	.....	se.	0	0	fair.....	L. Dunne.
Cleveland, Ohio	29.19	741.4	29.95	760.7	52.2	11.2	41	se.	14	6.3	.....	4 c	hz.	.....	.....	0	0	fair.....	W. Line.
Columbus, Ohio	29.09	738.9	29.96	761 0	54.9	12.7	91	e.	6	2.7	.....	3 k	3 s	sw.	e.	0	0	fair.....	F.T. Williams
Concho, Fort, Texas	27.90	708.6	29.84	757.9	56.1	13.4	74	calm	0	0	.....	6cs;ck	0	w.	... ...	0	0	fair.....	C. E. King.
Custer, Fort, Montana	26.74	679.2	29.92	760.0	27	— 2.8	100	n.	10	4.5	.....	.....	10 n	.....	.....	0.05	1.3	light snow..	W.J.Daily.
Davenport, Iowa	28.84	732.5	29.51	749.5	55.3	12.9	66	sw.	28	12.5	.....	.....	10 ks	.....	sw.	0	0	cloudy.....	R. R. Martin.
Davis, Fort, Texas	25.04	636.0	29.82	757.4	50.0	10.0	74	sw.	4	1.8	.....	0	0	.....	.....	0	0	clear..	J. Williams.
Dayton, Washington T'y	28.00	711.2	29.76	755.9	35.4	1.9	85	e.	5	2.2	.....	0	0	.....	.....	0	0	clear...	H.S.Blandford.
Deadwood, Dakota	25.19	639.8	29.88	758.9	32.2	0.1	88	ne.	3	1.3	.....	.....	10 n	.....	.....	0.06	1.5	light snow..	G.Kingsbury.
Delaware Breakwater, Del	30.07	763.8	30.09	764.3	50.0	10.0	93	n.	10	4.5	.....	hz.	0	.....	.....	Inap.	Inap.	clear.....	G.A.Martin.
Denver, Colorado	24.53	623.1	29.80	756.9	38.6	3.7	71	s.	6	2.7	.....	0	0	.....	.....	Inap.	Inap.	clear.....	F. M. Neal.
Des Moines, Iowa	28.58	725.9	29.51	749.5	49.4	9.7	73	nw.	22	9.8	.....	.....	10 s	.....	nw.	0.37	9.4	cloudy	F. W. Conrad.
Detroit, Michigan	29.15	740.4	29.88	758.9	58.2	14.6	42	se.	14	6.3	.....	0	0	.....	.....	0	0	clear.....	N.B.Conger.
Dodge City, Kansas	27.29	693 2	29.93	760.2	37	2.8	77	w.	8	3.6	.....	0	0	.....	.....	0	0	clear.....	J.E.Lamouette.
Dubuque, Iowa	28.71	729 2	29.44	747.8	54.5	12.5	65	s.	12	5.4	.....	.....	10 k	.....	sw.	0	0	cloudy	A.W.Browne.
Duluth, Minnesota	28.61	726.7	29.38	746.2	39.6	4.2	100	ne.	6	2.7	.....	.....	10 n	.....	ne.	0.95	24.1	light rain....	E.R.Brace.
Eastport, Maine	30.05	763 3	30.12	765.0	37.0	2.8	72	ne.	16	7.2	.....	3 c	3 k	nw.	ne.	0.12	3.0	fair.....	D. C. Murphy.
Elliott, Fort, Texas	27.14	689.3	29.92	760.0	39	3.9	82	n.	2	0.9	.....	2 c	0	sw.	.....	0	0	clear.....	J. C. Rickli.
El Paso, Texas	26.09	662.7	29.83	757.7	46.0	7.8	37	calm	0	0	.....	0	0	.....	.....	0	0	clear.....	F. Belford.
Erie, Pennsylvania	29.24	742.7	29.99	761.7	53.9	12.2	47	s.	17	7.6	.....	0	0	.....	.....	0	0	clear.....	P. Wood.
Escanaba, Michigan	28.84	732.5	29.53	750.0	45.5	7.5	78	s.	4	1.8	.....	10 ck	0	s.	.....	0	0	cloudy	L.M.Pindell.
Fort Smith, Arkansas	29.41	747.0	29.89	759.2	53.4	11.9	86	calm	0	0	.....	4 ck	0	w.	.....	0.14	3.6	fair.....	J. B. Campbell.
Galveston, Texas	29.84	757.9	29.88	758.9	71.5	21.9	93	se.	12	5.4	.....	0	1 s	.....	....	0	0	clear.....	E. O'C. Macinerney
Grand Haven, Michigan	28.96	735.6	29.65	753.1	60.1	15.6	50	e.	23	10.3	.....	0	8 s	.....	se.	0	0	cloudy	Joseph E. Mueller
Grant, Fort, Arizona	25.01	635.2	29.74	755.4	47.9	8.8	27	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear.....	Chas. A. Read.
Hatteras, North Carolina	30.03	762.7	30.04	763.0	55.3	12.9	74	nw.	16	7.2	.....	0	0	... .	.....	0	0	clear.....	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p. sec	Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Lower. 0–10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.73	653.5	29.94	760.5	32	0.0	81	sw.	4	1.8			10 s			0.02	0.5	cloudy	S. W. Morrison.
Huron, Dakota	28.34	719.8	29.80	756.9	37.2	2.9	83	n.	14	6.3			10 s		n.	0.68	17.3	cloudy	S. W. Glenn.
Indianapolis, Indiana	28.97	735.8	29.79	756.7	60.0	15.6	51	s.	11	4.9			10 s		s.	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.77	756.1	29.80	756.9	71.3	21.8	96	se.	12	5.4		0	8 k		s.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.08	764.0	30.12	765.0	59.0	15.0	75	s.	2	0.9		0	fg.			inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	28.93	734.8	29.60	751.8	55.0	12.8	69	sw.	22	9.8			10 ks		sw.	0.02	0.5	cloudy	F. Z. Gosewisch.
Key West, Florida	30.07	763.8	30.09	764.3	72.3	22.4	59	ne.	4	1.8		0	0			0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	30.05	763.3	30.07	763.8	53.5	11.9	79	nw.	18	8.0		0	0			0	0	clear	Wesley Blake.
Knoxville, Tennessee	29.04	737.6	30.08	764.0	50	10.0	77	calm	0	0		0	8 k		sw.	inap.	inap.	cloudy	J. A. Cody.
La Crosse, Wisconsin	28.54	724.9	29.34	745.2	56.5	13.6	68	s.	20	8.9			10 s		s.	0.15	3.8	cloudy	S. C. Emery.
Leavenworth, Kansas	28.89	733.8	29.80	756.9	49	9.4	71	nw.	7	3.1		0	3 s		nw.	inap.	inap.	clear	C. Dill.
Lewiston, Idaho	28.96	735.6	29.82	757.4	38.0	3.3	82	calm	0	0		0	0			0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.57	751.1	29.89	759.2	63.5	17.5	92	calm	0	0		0	3 k		sw.	0.14	3.6	clear	W. U. Simons.
Los Angeles, California	29.40	746.7	29.80	756.9	51.0	10.6	80	sw.	11	4.9			10 s		w.	0	0	cloudy	T. S. Collins.
Louisville, Kentucky	29.29	744.0	29.86	758.4	62.9	17.2	57	se.	9	4.0			9 s		se.	0	0	cloudy	E. B. Garriott.
Lynchburg, Virginia	29.40	746.7	30.11	764.8	48.0	8.9	86	calm	0	0		0	sk.			0	0	clear	Jno. Healy.
Mackinaw City, Michigan	28.97	735.8	29.65	753.1	55.2	12.9	40	se.	18	8.0		0	8 s		se.	0	0	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.06	763.5	30.07	763.8	57.3	14.1	76	n.	8	3.6		0	0			0	0	clear	William Daly.
Maginnis, Fort, Montana	25.41	645.4	29.91	759.7	17.8	−7.9	58	e.	6	2.7			10 n		ne.	0.08	2.0	light snow	F. Burke.
Marquette, Michigan	28.77	730.7	29.52	749.8	51.5	10.8	59	s.	16	7.2			10 ks		s.	0	0	threatening.	J. Gilligan.
Memphis, Tennessee	29.59	751.6	29.93	760.2	66.5	19.2	76	s.	8	3.6			10 s		w.	0	0	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	28.75	730.2	29.52	749.8	50.0	10.0	72	se.	20	8.9			10 s		sw.	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	30.02	762.5	30.06	763.5	65.3	18.5	89	se.	1	0.4		4 k	4 s	nw.	sw.	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.87	758.7	30.10	764.5	59.5	15.3	84	s.	1	0.4		0	9 k		sw.	0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.68	728.5	29.71	754.6	28.7	−1.8	79	n.	16	7.2			10 s		n	inap.	inap.	cloudy	L. M. Dey.
Mt. Washington, N. H.	23.84	605.5	30.24	768.1	32.0	0.0	63	n.	26	11.6		7 c	0	ne.		0	0	fair	E. A. Beals.
Nashville, Tennessee	29.35	745.5	29.93	760.2	63.3	17.4	73	s.	13	5.8			10 ks		sw.	0	0	cloudy	L. N. Jesunofsky.
New Haven, Connecticut	29.98	761.5	30.10	764.5	51	10.6	69	n	10	4.5		0	0			0.11	2.8	clear	J. H. Sherman.
New London, Connecticut	30.05	763.3	30.10	764.5	51.5	10.8	66	n.	4	1.8		0	0			0.06	1.5	clear	J. G. Lynch.
New Orleans, Louisiana	29.95	760.7	30.01	762.2	68.0	20.0	90	s.	1	0.4		8 ck	0	nw.		0	0	cloudy	M. Herman.
New York, New York	29.91	759.7	30.09	764.3	53	11.7	69	ne.	6	2.7		0	0			0.05	1.3	clear	W. Finn.
Norfolk, Virginia	30.03	762.7	30.06	763.5	57.2	14.0	74	n.	6	2.7		0	0			0	0	clear	Wm. Davis.
North Platte, Nebraska	26.87	682.5	29.83	757.7	35.1	1.7	82	w.	4	1.8		0	0			0.65	16.5	clear	E. F. Brady.
Olympia, Washington T'y	29.83	757.7	29.87	758.7	42.0	5.6	92	calm	0	0		0	0			0	0	clear	J. Dascomb.
Omaha, Nebraska	28.50	723.9	29.71	754.6	46.7	8.2	87	w.	6	2.7		0	0			inap.	inap.	clear	A. Pollak
Oswego, New York	29.73	755.1	30.07	763.8	49.5	9.7	57	s.	7	3.1		0	hz.			0	0	clear	J. G. Linsley.
Palestine, Texas	29.32	744.7	29.88	758.9	68.1	20.1	93	s.	7	3.1			10 s			0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	30.04	763.0	30.07	763.8	68.2	20.1	83	s.	7	3.1		4 ck	0	n.		0	0	fair	M. McGauran.
Philadelphia, Pa.	29.97	761.2	30.10	764.5	54.8	12.7	88	nw.	5	2.2		0	hz.			0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.54	445.5	29.82	757.4	4.0	−15.6	83	sw.	30	13.4		0	0			0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.22	742.2	29.94	760.5	46.0	7.8	80	calm	0	0		0	fg.			0	0	clear	O. D. Stewart.
Poplar River, Montana					30.1	−1.1	100						10 n		e.	0.01	0.3	light snow	Geo. A. Carden.
Port Huron, Michigan	29.17	740.9	29.87	758.7	56.3	13.5	62	se.	7	3.1		0	0			0	0	clear	M. H. Perry
Portland, Maine	30.10	764.5	30.15	765.8	47.0	8.3	77	ne.	4	1.8		0	0			0.08	2.0	clear	W. W. Eichelberger.
Portland, Oregon	29.76	755.9	29.83	757.7	42.6	5.9	94	calm	0	0			fg.			0.07	1.8	dense fog	M. L. Hearne.
Prescott, Arizona	24.38	619.2	29.65	753.1	42.3	5.7	46	s.	16	7.2		0	3 s			0	0	clear	J. Glover.
Provincetown, Mass.																			C. N. Kitchel.
Red Bluff, California	29.36	745.7	29.72	754.9	44	6.7	89	nw.	2	0.9		0	4 ks		nw.	0.59	15.0	fair	J. R. Williams.
Rio Grande City, Texas																			L. G. Schultz.
Rochester, N. Y.	29.39	746.5	30.08	764.0	46	7.8	60	sw.	7	3.1		hz.	hz.			0	0	clear	E. W. McGann.
Roseburg, Oregon	29.30	744.2	29.86	758.4	42.2	5.7	95	sw.	2	0.9			10 n		w.	0.13	3.3	light rain	J. J. Nanry.
Sacramento, California	29.68	753.9	29.75	755.6	45.0	7.2	83	se.	5	2.2			10 s		sw.	0.30	7.6	cloudy	J. A. Barwick
St. Louis, Missouri	29.12	739.6	29.74	755.4	63.9	17.7	73	sw.	27	12.1		3 c	3 k	sw.	sw.	0	0	fair	J. H. Weber.
St. Michael, Fort, Alaska	29.48	748.8	29.51	749.5	35	1.7	89	e.	11	4.9			10 s		e.	0	0	cloudy	Fred. H. Clarke.
St. Paul, Minnesota	28.41	721.6	29.29	744.0	53.5	11.9	92	se.	4	1.8			10 n		se.	0.48	12.2	heavy rain	P. F. Lyons.
St. Vincent, Minnesota	28.94	735.1	29.86	758.4	25	−3.9	88	n.	16	7.2			10 s		n.	0	0	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.12	638.0	29.49	749.0	46.3	7.9	48	e.	17	7.6			10 ks		s.	inap.	inap.	threatening.	J. Craig.
San Diego, California	29.77	756.1	29.84	757.9	56.6	13.7	72	w.	13	5.8		0	8 k		w.	0	0	cloudy	F. R. Day.
Sandusky, Ohio	29.23	742.4	29.93	760.2	56.2	13.4	44	s.	15	6.7		5 c	hz.	s.		0	0	fair	B. F. Hough.
Sandy Hook, New Jersey	30.06	763.5	30.09	764.3	52.0	11.1	86	e.	7	3.1		0	0			0.03	0.8	clear	V. P. Chappel.
Sanford, Florida	30.08	764.0	30.13	765.3	62.2	16.8	84	calm	0	0		0	0			0	0	clear	J. B. Marbury
San Francisco, California	29.70	754.4	29.76	755.9	45.0	7.2	70	w.	14	6.3		0	2 s		nw.	0.26	6.6	clear	N. Gorom.
Savannah, Georgia	30.01	762.2	30.10	764.5	60	15.6	81	calm	0	0		0	hz.			0	0	clear	H. W. Ford.
Shaw, Fort, Montana	26.35	669.3	30.02	762.5	28	−2.2	88	nw.	3	1.3			10 k		n.	0.06	1.5	cloudy	A. L. Mathews
Shreveport, Louisiana	29.66	753.4	29.90	759.4	70.0	21.1	84	s.	2	0.9			10 s		s.	0	0	cloudy	E. N. Meekins.
Sitka, Alaska	29.93	760.2	30.00	762.0	41.7	5.4	84	e.	3	1.3			10 ks		e.	0.17	4.3	cloudy	F. W. Fickett.
Smithville, North Carolina	30.04	763.0	30.08	764.0	59.2	15.1	47	n.	8	3.6		0	0			0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.74	704.6	29.80	756.9	39.5	4.2	92	e.	3	1.3		0	0			0	0	clear	D. Moore.
Springfield, Illinois	28.99	736.3	29.69	754.1	61.0	16.1	58	w.	20	8.9		4 c	0	w.		0	0	fair	W. Norrington.
Stockton, Fort, Texas	26.79	680.5	29.82	757.4	51.3	10.7	60	calm	0	0			9 s			0	0	cloudy	J. W. Byram.
Tatoosh Id., Wash. Ter	29.78	756.4	29.86	758.4	47.5	8.6	91	e.	2	0.9		0	1 ks			0	0	clear	R. Connor.
Thomas, Camp, Arizona	27.08	687.8	29.81	757.2	41.2	5.1	54	e.			1	0	0			0	0	clear	R. O. Lord.
Toledo, Ohio	29.10	739.1	29.81	757.2	59	15.0	40	s.	14	6.3		6c;sk	0	w.		0	0	fair	A. Buell.
Unalashka, Alaska	29.45	748.0	29.47	748.5	39	3.9	73	s.	0	2.7		0	5 s			0.05	1.3	fair	Samuel Applegate
Vicksburg, Mississippi	29.74	755.4	30.00	762.0	66.5	19.2	93	se.	5	2.2		0	8 s		s.	0	0	cloudy	F. W. Mixer.
Washington, D. C.	30.01	762.2	30.13	765.3	51.5	10.8	83	calm	0	0		0	fg.			0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.87	657.1	29.82	757.4	37.5	3.1	78	se.	4	1.8		4 cs	0			0	0	fair	F. H. Brandenburg
Wilmington, N. Carolina	30.04	763.0	30.10	764.5	55.0	12.8	62	n.	1	0.4		0	0			0	0	clear	L. H. Albrecht.
Yankton, Dakota	28.38	720.8	29.72	754.9	42.0	5.6	89	nw.	18	8.0		1 c	0	n.		0.40	10.2	clear	E. H. Thompson.
Yuma, Arizona	29.58	751.3	29.73	755.1	58.9	14.9	50	w.	18	8.0		0	9 s		w.	0	0	cloudy	W. S. Delano.
Sub-series.																			
Behring Island, Kamchatka	30.06	763.5	30.08	764.0	33.7	0.9		e.	7	3.1			10 n			0.01	0.3	cloudy	George Cheruick.
Bluefields, Nicaragua, C. A.					78	25.6		nw.			2	2 cs	2 k		ne.	0	0	fair	W. P. Jackson.
Bogota, U. S. C.	22.00	558.9			53.6	12.0	93	calm	0	0			8 k		e.	0.213	5.4		Joaquin Gomez.
Chimo, Fort, Ungava	29.81	757.2	29.95	760.7	17	−8.3	83	s.			2		10 s		s.	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.			30.02	762.5	76	24.4	75	n.	1	0.4		0	0			0	0	fine	Robert Johnstone
Paramaribo, S. A.	30.00	762.5	30.02	762.5	77	25.0	91	e.			2		8 ks	e'	e.	0.100	2.5	cloudy	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.55	750.0	30.11	764.8	78	25.6	95	s.			1		10 k		calm	0	0	cloudy	Francisco J. Cisneros.
Rivas, Nicaragua, C. A.	29.90	759.4	30.06	763.5	77	25.0	83	ne.			1					0	0	clear	Earl Flint.
York Factory, B. A.	29.98	761.5	30.04	763.0	12.5	−10.8	90	sw.	11	4.9			10 n		sw.	0.02	0.5	snowing	Fortescue & Wood.
U. S. OF COLOMBIA. (*Sub series*).																			
Colon																			P. Fasiani.
Naos, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level. Inch.	Barometer reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill	Sea-swell. Character.	Sea-swell. Direction from	Weather.
District No. 1—North Atlantic																		
S. S. Arizona, N. 40° 34′, W. 70° 27′	29.98	761.5	43	6.1		nne.			5		10		n.	0	0	mod.	nne.	light fog.
S. S. Alvo, N. 26° 40′, W. 74° 16′			69	20.6		nnw.			5–6		7	nnw.		0	0	high	nnw.	fair.
S. S. Anchoria, N. 52° 16′, W. 26° 28′						n.			2		3		ne.	0	0	light	nnw.	clear.
S. S. Assyrian Monarch, N. 46° 22′, W. 32° 20′ †	30.50	774.7				nw.			3		6		nw.	0	0	mod.	nnw.	fair
S. S. Bohemia, N. 40° 39′, W. 47° 11′						s.			5		8		sse.	0	0	mod.	s.	cloudy.
S. S. Bothnia, N. 41° 18′, W. 58° 19′			68	20.0	95	sw.			2		2			8 h'r	8 h'r	long	s.	clear.
S. S. City of Washington, N. 24° 44′, W. 80° 24′ *†	30.10	764.5				ne.			4		2		ne.	0	0	sm'h		clear.
Bk. C. S. Bushnell, N. 42° 23′, W. 59° 37′	29.78	756.4				nne.			3		10		ene.	2 h'r	2 h'r	r'gh	s.	foggy.
S. S. Circassian, N. 44° 30′, W. 63° 02′	29.99	761.7	35	1.7	80	n.			6		9		n.			3	e.	overcast.
S. S. Cienfuegos, N. 25° 35′, W. 76° 29′	30.08	764.0	73	22.8		n.			2		1		nw.	0	0	small	nnw.	clear.
S. S. Canada, (Fr) N. 42° 26′, W. 59° 21′	29.84	758.0				ssw.			2		5 k		ssw.			r'gh	ssw.	fair.
S. S. Denmark, N. 40° 21′, W. 60° 43′†	29.73	755.1	63	17.2	83				1		1			4 h'r	4 h'r	sm'h		clear.
S. S. Elbe, off Bishop rock, England	29.67	753.7	48.2	9.0		wnw.			6		9		wnw.	0	0	mod.	wnw.	cloudy.
S. S. Gellert, N. 40° 13′, W. 57° 18′	29.81	757.2	74	23.3		ssw.			5		5		ssw.	0	0	mod.	ssw.	fair.
S. S. Gallia, N. 44° 05′, W. 46° 36′	30.10	764.5	65	18.3		s.			5		5		w.	0	0	sm'h		fair.
S. S. Holland, N. 41° 44′ W. 51° 44′*	30.11	764.8	54	12.2		sse.			5		10		sse.	1 h'r	1 h'r	mod.	sw; se	cloudy.
S. S. Helvetia, N. 43° 06′, W. 42° 24′	30.26	768.6			100	se.			4		2		se.	0	0	sm'h		clear.
S. S. Lord Clive, N. 39° 35′, W. 72° 29′						nne.			4		10			0	0	sm'h		
Bg. L. & W. Armstrong, N. 35° 16′, W. 69° 10′						n.			2		3		n.	1 h'r	1 h'r	mod.	wnw.	clearing.
S. S. Lone Star, N. 28° 27′, W. 92° 12′†	29.86	758.4	72	22.2		se.			3		0			0	0	r'gh	s.	clear.
S. S. Llandaff City, N. 42° 16′, W. 43° 00′			64	17.8		sse.			5		9		sse.	0	0	sm'h		cloudy.
S. S. Madrid, N. 42° 36′, W. 48° 11′ †	30.13	765.3	51?	10.6?	93	s.			4		9		calm	0	0	mod.	sw.	cloudy.
S. S. Main, N. 48° 04′ W. 23° 23′			51.8	11.0		nw.			5		7		nnw.	0	0	high	nnw.	fair.
S. S. Orinoco, N 40° 15′, W. 73° 45′			54	12.2		n			1		7		sw.	0	0	sm'h		fine.
S. S. Republic, N. 41° 09′, W. 56° 00′ †	29.88	758.9	63	17.2		s.			4		8		wsw.	7 h'r	7 h'r	long	se; s.	misty.
S. S. Rosse, N. 45° 31′, W. 31° 32′	30.41	772.4	62	16.7	77	wnw.			4					0	0	long	wnw.	fine.
S. S. Rhaetia, N. 41° 00′, W. 61° 37′			62	16.7		var.			4		5		nw.	rain	rain	mod.	s.	threatening
S. S. State of Nebraska, N. 42° 35′, W. 54° 26′*†	29.94	760.5	50	10.0		s			3		8		sw.	2 h'r	2 h'r	con.	s.	foggy.
S. S. State of Georgia, N. 41° 21′ W. 58° 52′†	29.83	757.7	59	15.0		s.			2		0			0	0	light	sse.	clear
Bk. Tuck Sing, N. 40° 10′, W. 73° 45′ *†	30.06	763.5				ne.			1		0			0	0	sm'h		clear.
S. S. The Queen, N. 40° 28′, W. 70° 39′			43	6.1		ne.			6		10		ne.	0	0	mod.	ne.	overcast.
S. S. Valencia, Curacoa, W. I †	29.92	760.0	81	27.2	78	e.			2		3		e.	0	0			clear.
S. S. Virginian, N. 49° 14′. W. 28° 10′			66	18.9		wsw.			5		10		wsw.	0	0	mod.	wsw.	overcast.
S. S. Wieland, N. 46° 24′, W. 38° 00′*	30.25	768.3	56	13.3		sw.			2		1		sw.	0	0	mod.	sw.	fair.
S. S. Weser, N. 37° 15′, W. 73° 20′	30.00	762.0	51.8	11.0		nne.			6		10		nne.	0	0	4	nne.	cloudy.
S. S. Westernland, N. 40° 38′, W. 57° 43′	29.83	757.7	69	20.6	80	sw.			4		4		w	7 h'r	7 h'r	long	s; w.	fair.
Schr. Adda Doane, Port Antonio, Jamaica, W.I	30.03	762.7				e.			3		6		e.	0	0			fair.
S. S. America, N. 52° 05′, E. 3° 05′ *	29.82	757.4	49	9.4		s.			3		7			0	0			fair.
S. S. Andes, N. 17° 25′, W. 70° 10′			82	27.8		sw.			2		1		w.			sm'h		clear.
Bg. Belle of the Bay, N. 25° 54′, W. 76° 35′						n.			5		6		wnw.	0	0	mod.	wnw.	fair.
S. S. British Princess, N. 48° 42′, W. 28° 30′†	30.41	772.4				calm			0		2			0	0	sm'h		clear.
S. S. Caracas, N. 20° 48′, W. 68° 15′*†	30.00	762.0	76	24.4	73	n.			6				w.	0	0	mod.	nnw.	overcast.
S. S. City of Merida, N. 19° 50′, W. 90° 40′*†	29.84	757.9	77	25.0		se.			4		0			0	0	light	se.	clear.
S. S. Devonia, N. 55° 15′, W. 14° 25′ †	30.03	762.7	49	9.4		n			4		4		n.	½ h'r	½ h'r	h'vy	wnw.	fair.
S. S. Elysia, N. 55° 00, W. 13° 29′			49	9.4		n.			5		4		n.	0	0	sli't	n.	squally
S. S. Erin, N. 48° 53′, W. 18° 38′	30.12	765.0	52	11.1		nw.			6		5		nw.	2 h'r	2 h'r	long	nw.	squally.
S. S. England, N. 48° 02′, W. 28° 19′	30.44	773.2				nw.			3		0			0	0	sm'h		clear.
S. S. Germanic, N. 49° 40′ W. 23° 19′*†	30.20	767.1	52	11.1	79	nw.			6		5		nnw.	2 h'r	2 h'r	r'gh	nw.	squally.
S. S. Grecian, Glasgow, Scotland	29.78	756.4	52	11.1	72	nne.			2		8		nne.	1 h'r	1 h'r			cloudy.
S. S. Habsburg, N. 49° 53′, W. 18° 40′						nw.			5		6		nw.	0	0	long	nw.	fair.
S. S. Italy, N. 48° 22′, W. 21° 20′*	30.14	765.5	53	11.7	93	nw.			6		5		nw.	2 h'r	2 h'r	r'gh	nw.	h'vy squalls
Bg. Lilian, N. 10° 50′, W. 59° 25′ †	29.95	760.7				ne.			2		2		ne.	½ h'r	½ hr	sm'h	e.	fair.
S. S. Labrador, N. 43° 27′, W. 50° 50′			46.4	8.0		s.			4		3		s.				s.	misty.
S. S. Neckar, N. 41° 37′, W. 46° 35′	30.19	766.8	66.2	19.0		s.			6		7		s.	0	0	r'gh	ssw.	fair.
S. S. New York, N. 27° 28′, W. 80° 00′ *†	30.10	764.5	72	22.2		e.			3		2		e.	0	0	sm'h		clear.
S. S. Ontario, N. 52° 18′, W. 6° 07′	29.71	754.6	56	13.3	100	nne.			4		4		ene.	7 h'r	7 h'r	sm'h	n.	cloudy.
S. S. Pennsylvania, off Kinsale, Ireland			48	8.9	85	ene.			4		6		wnw.	2 h'r	2 h'r	mod.	se.	rainsqualls.
S. S. Prussian, N. 52° —′, W. 21° 05′	30.13	765.3	49	9.4		nnw.			4		1		nnw.	3 h'r	3 h'r	r'gh	nnw.	clear.
S. S. Pavonia, N. 48° 42′, W. 30° 06′	30.43	772.9	55	12.8	68	calm			0		3		wsw.	0	0	sm'h		fair.
U. S. S. Galena, N. 17° 15′, W. 78° 37′ *	29.90	761.0	79	26.1	82	nnw.			2		2		n; w			sm'h		fair.
U. S. S. Jamestown, N. 17° 00′, W. 62° 47′	29.99	761.7	79	26.1	70	ene.			2		5		ene.			sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.97	761.2	72	22.2	71	wsw.			3		2		w.					fair.
U. S. S. Lancaster, Smyrna, Turkey	29.94	760.5	75	23.9	86	w.			3		2					sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	30.06	763.5	43	6.1	36	ne.			4		0							clear.
U. S. S. Pensacola, N. 19° 03′, W. 60° 25′†	30.02	762.5	79	26.1	66	ne.			3		5		ne.	0	0	sm'h		fair.
U. S. S. Portsmouth, N. 40° 40′, W. 71° 40′			42	5.6	91	ne.			5		2					mod.		clear.
U. S. S. Powhatan, Newport, R. I	30.07	763.8	48	8.9	85	n.			5		0							clear.
U. S. S. Quinnebaug, Syrmna, Turkey			70	21.1	70	wnw.			1		2		w.			sm'h		fair.
U. S. S. Saratoga, Lisbon, Portugal	30.20	767.1	59	15.0	70	nnw.			1–2		5		n.	light	light	sm'h		fair.
U. S. S. Swatara, Matanzas, Cuba, W.I	30.07	763.8	64	17.8	94	wsw.			1		5		wsw.	0	0	sm'h		fair.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.07	763.8	64	17.8	78	wsw.			1		5		ne.					fair.
U. S. S Yantic, Turtle Harbor, Florida	30.11	764.8	70	21.1	70	n.			2		2							clear.
U. S. Navy Yard, Portsmouth, N. H			48	8.9	85	ne.	3	1.3			0			0.1	3.			clear.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.83	757.7	66	18.9	79	ene.			3		9	ene.						d. clouds.
H. M. S. Alecto, N. 5° 05′. W. 1° 21′	29.85	758.2	85	29.4		s.			1		5					3	s.	d. clouds.
H. M. S. Minotaur, N. 36° 57′, E. 3° 04′			59	15.0	76	wnw			5		4	wnw.				1	w.	showery.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.86	758.5	86.9	30.5	75	sse.			4		5		se.	0	0	3	s.	d. clouds.
S. S. British Crown, N. 46° 06′, W. 33° 42′†	30.48	774.2	57	13.9		w.			1		0			0	0		n.	clear.
S. S. British Prince, N. 39° 00′, W. 71° 46′			48	8.9	92	ne.			5		10		ne.	0	0	mod.	ne.	overcast.
S. S. Scandinavian, N. 49° 29′, W. 32° 44′	30.38	771.6	54	12.2		se.			3		10		sse.	4 h'r	4 h'r	mod.	var.	misty.
S. S. Athos, Savanilla, U.S.C						ne.			5		8		e.	0	0	sm'h	e.	light haze.
S. S. Dorian, N. 42° 33′, W. 67° 15′	29.98	761.5	41	5.0		ne.			5		10?		ne.	0	0	long	ne.	clear.?
S. S. Westphalia, N. 40° 13′, W. 69° 30′			46	7.8		ne.			2		4?		n.	8 h'r	8 h'r	cross	n.	cloudy?
S. S. Moravia, N. 49° 20′, W. 17° 48′			46.4	8		n.			4–5		6		n.	3 h'r	3 h'r	mod.	n.	fair.
S. S. Archimedes, (Br) N. 9° 00′, W. 28° 03′	29.93	760.2				nne.			3		2		nne.	0	0	light	ne.	fine.
S. S. Sirius, N. 29° 35′, W. 18° 20′	30.17	766.3				ene.			4		2		ene.	0	0	r'gh	ene.	clear.
S S. Teniers, N. 16° 28′, W. 25° 29′	29.97	761.2	46.1	7.8	75	nne.			5	cs; ck	5s	ssw.		0	0	3	nne.	misty.
S. S. Olbers, N. 42° 11′, W. 47° 35′	30.11	764.8	52	11.1	86	se.			4		6		sse.	0	0	r'gh	ese.	hazy.
S. S. Gottardo, N. (35°)? 20′, E. 1° 00′			67	19.4		nw.			1		5		w.	0	0	sm'h		fine.
S. S. Oregon, (Br) N. 43° 32′, W. 55° 33′	29.78	756.4	48	8.9		s.			1		10		s.	1 h'r	1 h'r	mod.	se.	foggy.
S. S. Donau, N. 40° 19′, W. 70° 08′	30.02	762.5				nne.			5		10		nne.	0	0	mod.	nne.	overcast.
S. S. City of Augusta, N. 33° 12′, W. 78° 10′						nne.			2		6		ene.	0	0			smoky
S. S. Pennland, Antwerp, Belgium			50	10.0	86	wsw.			4		4		wsw.	4 h'r	4 h'r	sm'h		fair.
S. S. W. A. Scholten, Rotterdam, Holland			45.9	7.7	77	nne.			6		8		nne.	4 h'r	4 h'r			squally.
S. S. Zaandam, N. 50° 40′, E. 0° 15′.	29.68	753.9	52.9	11.6	88	w.			6		4		w.	0	0	mod.	w.	fair.
S. S. Maasdam N. 40° 30′, W. 55° 11′*	29.81	757.2	64.5	18.1	94	s.			4		8		s.	4½ hr	4½ hr	3	sw.	cloudy.
S. S. Saxon, N. 41° 00′, W. 71° 33′						nne.			2		0			0	0	sm'h		fine.
S. S. Baltic, N. 51° 25′, W. 9° 04′ *†	29.80	756.9				var.			2		5		nne.	sh'rs	sh'rs	mod.	nw.	fair.
S. S. Britannic, N. 50° 40′, W. 13° 10′†	29.90	759.4	45	7.2		n.			5		4		nw.	3 h'r	3 h'r	high	nw.	showery.
S. S. Marengo, N. 40° 27′, W. 57° 39′	29.78	756.4	69	20.6		s.			4		5?		sw.	6 h'r	6 h'r	mod	var.	clear.?
S. S. Salerno, N. 47° 35′, W. 17° 04′ †	30.19	766.8	54	12.2		nw.			5		5		nw.	0.1	3.	r'gh	nw.	rain squalls.
Bg. Alcira, Maracaybo, Venezuela			81	27.2		ne.			1		10		ne.	0	0			cloudy.
S. S. Antonio Lopez, Cadiz, Spain	30.17	766.3	60.5	15.8	76	w.			2		2			0	0			clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Schr. Arthur Burton, N. 23° 20′, W. 67° 40′†	30.00	762.0	.....	.....	.....	nw.	.....	.....	1	.....	4	.....	nw.	3 h'r	3 h'r	r'gh	nw.	threatening.
Schr. Annie R. Lewis, Porto Plata, SanDomingo, W.I†	30.00	762.0	*78	25.6	.....	nw.	.....	.....	2	.....	6	.....	n.	8 h'r	8 h'r	.....	.....	cloudy.
Schr. Annie A. Holton, N 22° 38′, W. 96° 08′	.....	.....	80	26.7	.....	sse.	.....	.....	5	.....	2	.....	se.	0	0	mod.	se.	clear.
Bg. Abbie Clifford, Port of Spain, Trinidad, W. I†	29.93	760.2	77	25.0	.....	calm	.....	.....	0	.....	1	.....	.....	0	0	.....	.....	fine.
Bgt. Achsah, N. 44° 20′, W. 66° 25′†	30.04	763.0	.....	.....	.....	nne.	.....	.....	6	.....	8	.....	ne.	0	0	r'gh	ne.	fair
Bk. Adelaide, N. 34° 05′, W. 74° 37′ *†	30.04	763.0	68?	20.0?	.....	n.	.....	.....	7	.....	2	.....	n.	0	0	r'gh	n	clear.
Schr. Abbie H. Gheen, Wilmington, Del*†	30.15	765.8	62	16.7	.....	calm	.....	.....	0	.....	.....	.....	.....	.....	.....	.....	.....	clear.
Bk. Benjamin Dickerman, N. 17° 00′, W. 60° 00′*†	29.98	761.5	80	26.7	.....	e.	.....	.....	4	.....	2	.....	e.	0	0	sm'h	ne.	fair.
Bk. Charles Stewart, N. 39° 11′, E. 4° 00′*†	29.94	760.5	.....	.....	.....	ne.	.....	.....	6	.....	3	.....	n.	0	0	large	ne.	fair.
S. Cornelius, N. 21° 01′, W. 44° 21′*†	30.10	764.5	74.8	23.8	.....	ne.	.....	.....	4	.....	5	.....	nw.	0	0	mod.	var.	fair.
Bkt. Corisande, N. 40° 46′, W. 64° 10′	29.66	753.4	.....	.....	.....	nne.	.....	.....	7	.....	.....	.....	.....	6 h'r	6 h'r	h'vy	var.	drizzling
Bk. Diamant, N. 48° 20′, W. 8° 30′	29.70	754.3	53.8	12.1	67	nnw.	.....	.....	6	.....	5	.....	nnw.	4 h'r	4 h'r	5	nw.	fair.
S. E. J. Spicer, N. 48° 38′, W. 8° 50′	.....	.....	51	10.6	93	wnw.	.....	.....	6	.....	7	.....	nw.	rain	rain	mod.	nnw.	cloudy.
Schr. Edith R. Seward, N. 38° 03′, E. 76° 15′	.....	.....	53	11.7	.....	nnw.	.....	.....	1	.....	1	.....	n.	0	0	.....	.....	clear.
U.S. Fish Com. S. S. Fish Hawk, Rappahannock river†	30.12	765.0	62	16.7	.....	nw.	.....	.....	2	.....	4	.....	nw.	0	0	sm'h	.....	clear.
Bk. Fred. W. Carlon, N. 25° 00′, W. 68° 34′†	30.05	763.3	78	25.6	.....	nnw.	.....	.....	2	.....	2	.....	n.	0	0	long	nw.	clear.
S. Ismir, N. 32° 05′, W. 69° 18′	.....	.....	.....	.....	.....	nw.	.....	.....	6	.....	8	.....	n.	2 h'r	2 h'r	r'gh	nnw.	fine.
Bg. George, N. 37° 38′, W. 71° 02′*†	29.98	761.5	.....	.....	.....	ne.	.....	.....	5	.....	*10	.....	ne.	light	light	mod.	ne.	misty.
Bk. Gloire, N. 43° 00′, W. 31° 15′	30.41	772.4	60	15.6	80	calm	.....	.....	0	.....	.....	.....	.....	0	0	short	s.	clear.
Bk. George Davis, Benchy Head, Eng *†	29.69	754.1	.....	.....	.....	sw.	.....	.....	6	.....	.....	.....	wsw.	8 h'r	8 h'r	.....	.....	
S. Hedwig, N. 38° 11′, E. 4° 49′	30.00	761.9	60.8	16.0	81	n.	.....	.....	3	.....	3	.....	nw.	1 h'r	1 h'r	3	wsw.	hazy.
Bk. Hattie G. McFarland, Pascagoula, Miss	.....	.....	73	22.8	.....	ese.	.....	.....	1	.....	8	.....	sse.	0	0	.....	.....	cloudy.
S. Henry, N. 38° 05′, E. 4° 19′	.....	.....	58.6	14.8	.....	n.	.....	.....	4	6 ck	.....	.....	.....	.....	.....	3	w.	hazy.
Bk. Ibis, N. 25° 32′, W. 72° 00′	.....	.....	73	22.8	.....	ssw.	.....	.....	5	.....	4	.....	sw.	0	0	mod.	sw.	fine.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.07	763.8	.....	.....	.....	ne.	.....	.....	3	.....	2	.....	ne.	0	0	.....	.....	clear.
Bg. John Welsh, jr, N. 28° 52′, W. 70° 45′†	30.02	762.5	.....	.....	.....	nw.	.....	.....	5	.....	1	.....	unw.	.....	.....	r'gh	nnw.	clear.
Schr. John Bird, N. 37° 00′, W. 73° 30′	.....	.....	.....	.....	.....	nne.	.....	.....	6	.....	10	.....	ne.	0	0	short	n.	
Schr. Jenny Greenbank, N. 31° 32′, W. 73° 05*	29.95	760.7	61.5	16.4	.....	nw.	.....	.....	5	.....	4	.....	nw.	3 h'r	3 h'r	r'gh	nw.	fair.
Schr. Jenny R. Morse, Doboy Sound, Ga †	30.04	763.0	.....	.....	.....	nw.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	fine.
Bg. L. F. Munson, N. 25° 04′, W. 67° 25′*†	30.02	762.5	72	22.2	.....	nw.	.....	.....	2	.....	1	.....	nw.	0	0	long	nw.	clear.
Bkt. Levanter, Barbadoes, W. I.	29.98	761 5	80	26.7	.....	ene.	.....	.....	1	.....	1	.....	.....	0	0	.....	.....	clear.
Bkt. Levi S. Andrews, N. 37° 08′, W. 52° 15′ *†	30.00	762.0	66.5	19.2	.....	s.	.....	.....	6	.....	10	.....	s.	0	0	h'vy	s.	cloudy.
Bk. Rosalie, N. 17° 11′, W. 59° 20′ *†	29.97	761.2	.....	.....	.....	ese.	.....	.....	3	.....	0	.....	.....	0	0	sm'h	.....	clear.
Bk. Rosina, N. 29° 52′, W. 28° 14′	30.00	762.0	66	18.9	.....	sse.	.....	.....	7	.....	10	.....	.....	rain	rain	r'gh	se.	raining.
S. Salisbury, N. 41° 02′, E. 18° 02′	29.86	758.5	65.8	18.8	83	sse.	.....	.....	4	5 ck	.....	sse.	.....	0	0	mod.	sse	fair.
Bk. Saga, N. 49° 49′, W. 8° 47′†	29.80	757.0	47.5	8.6	.....	.....	.....	.....	5-7	.....	9	.....	wnw.	9¼ h'r	9¼ h'r	7	.....	raining.
Bk. Sunbeam, N. 21° 16′, W. 31° 55′†	30.02	762.5	72	22.2	90	wnw.	.....	.....	1	.....	4	.....	nw.	14 h'r	14 h'r	mod.	wnw.	fair.
Bgt. Sunlight, N. 27° 18′, W. 56° 38′†	29.96	761.0	.....	.....	.....	sse.	.....	.....	4	.....	8	.....	sse.	½ h'r	½ h'r	sm'h	.....	cloudy.
S. St. David, N. 50° 31′, W. 8° 30′	.....	.....	50	10.0	79	nne.	.....	.....	4	.....	6	.....	ne.	4 h'r	4 h'r	mod	var.	squally.
Bk. Silica, N. 61° 09′, W. 48° 28′ *	29.89	759.2	.....	.....	.....	n.	.....	.....	6	.....	2	.....	.....	0	0	.....	.....	clear.
Bg. Teneriffe, N. 26° 07′, W. 79° 06′	30.07	763.8	.....	.....	.....	ne.	.....	.....	2	.....	0	.....	.....	0	0	.....	.....	
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.10	764.5	74	23.3	.....	nne.	.....	.....	2	.....	5	.....	nne.	0	0	.....	.....	fair.
Bk Western Chief, N. 51° 59′, E. 2° 08′†*	29.75	755.6	.....	.....	.....	s.	.....	.....	5	.....	9	.....	s.	10 h'r	10 h'r	4	s.	raining.
Schr. John Bracewell, Port-mouth, N. H.	.....	.....	40	4.4	.....	ne.	.....	.....	4	.....	4	.....	ne.	0	0	long	ne.	clear.
District No. 2—South Atlantic																		
U. S. S. Brooklyn, St. Helena Island, Africa	29.84	757.9	75	23.9	86	ese.	26	11.6	.....	.....	8	.....	ese.	0.07	1.8	sm'h	.....	fair.
H. M. S. Amethyst, Rio de la Plata	29.81	757.2	66	18.9	97	se.	.....	.....	3	.....	10	.....	.....	.....	.....	.....	.....	raining.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.93	760.2	68	20.0	.....	ese.	.....	.....	1	.....	2	ese.	.....	.....	.....	.....	.....	blue sky.
H. M. S. Sylvia, Cape of Good Hope, Cape Colony	29.92	760.0	73.2	22.9	.....	se.	.....	.....	3-5	.....	3	calm	.....	.....	.....	.....	.....	squally.
Bk. Aureola, S. 2° 36′, W. 26° 25′†	30.16	763.5	80	26.7	91	wsw.	.....	.....	2	.....	9	.....	.....	4 h'r	4 h'r	mod.	s.	raining.
S. Gatherer, S. 55° 48′, W. 66° 20′†	28.90	734.0	44	6.7	100	nw.	.....	.....	6	.....	4	.....	nw.	0	0	.....	nw.	clear.
Bkt. Rosebud, S. 1° 50′, W. 25° 27′ *†	29.74	755.4	88	31.1	.....	nw.	.....	.....	1	.....	2	.....	var.	4 h'r	4 h'r	sm'h	.....	fine.
S. Ringleader, S. 35° 20′, W. 28° 00′†	30.00	762.0	67	19.4	95	nw.	.....	.....	4	.....	9	.....	nw.	0	0	sm'h	.....	misty.
Bk. Horace Scudder, S. 6° 59′, W. 1° 23′*†	30.00	762.0	79	26.1	.....	sse.	.....	.....	6	.....	2	.....	se.	0	0	.....	se.	clear.
H.P.M.S. Rainha de Portugal, S. 12° 21′, E. 13° 34′	29.80	755.9	80.4	26.9	79	wsw.	.....	.....	5	.....	2	.....	.....	0	0	3	.....	blue sky.
District No. 3—North Pacific.																		
U. S. Naval Hospital, Yokohama, Japan	.....	.....	55	12.8	62	e.	.....	.....	4	.....	10	.....	sw.	0.02	0.5	.....	.....	hazy.
U. S. S. Alert, Shanghai, China	30.16	766.1	57	13.9	69	s.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
U. S. S. Enterprise, Canton, China	30.04	763.0	71	21.7	95	se.	.....	.....	2	.....	10	.....	calm	.....	.....	.....	.....	thund'r st'm.
U. S. S. Essex, N. 20° 56′, E 154° 06′	30.09	764 3	77	25.0	82	.....	.....	.....	5	.....	2	.....	e.	.....	.....	mod.	ne.	clear.
U. S. S. Juniata, Fernande Island, Corea	29.96	761.0	47	8.3	92	wsw.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
U. S. S. Monocacy, Canton, China	30.03	762.7	68	20.0	100	n.	.....	.....	1	.....	10	.....	.....	mod.	mod.	.....	.....	rainy.
U. S. S. Ranger, Fonseca Bay, C. A.	29.95	760.7	79	26.1	86	calm	.....	.....	0	.....	2	.....	.....	0.11	2.8	sm'h	.....	fair.
U. S. S. Trenton, N. 10° 22′, E. 109° 48′	29.85	758.2	82	27.8	96	ne.	.....	.....	3	.....	2	.....	ne.	.....	.....	sm'h	ne.	clear.
H. M. S. Audacious, Hong Kong, China	30.09	764.3	67	19.4	95	ene.	.....	.....	3	.....	7	e.	.....	.....	.....	.....	.....	raining.
H. M. S. Cleopatra, N. 37° 39′, E. 126° 35′	29.90	759.4	51	10.6	93	w.	.....	.....	4	.....	2	.....	.....	.....	.....	3	.....	misty.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.16	766.1	59.8	15.4	80	ne.	.....	.....	2	.....	4	sw.	.....	.....	.....	2	ne.	equally.
H. P. M. S. Tamega, Macao, China	.....	.....	09.8	21.0	86	e.	.....	.....	6	.....	10	.....	.....	20 h'r	20 h'r	.....	.....	raining.
U. S. S. Palos, Shanghai, China	30.12	765.0	54	12.2	80	sse.	.....	.....	1	.....	0	.....	.....	.....	.....	.....	.....	clear.
S. S. Newbern, N. 33° 20′, W. 118° 10′	.....	.....	54	12.2	74	nw.	.....	.....	5	.....	4	.....	nw.	0	0	mod.	wnw.	fair.
S. S. City of Chester, near Point Arena, Cal†	29.79	756.7	49	9.4	71	nw.	.....	.....	0	.....	0	.....	.....	0	0	h'vy	nw.	
S. S. Columbia, N. 42° 57′, W. 124° 39′ *†	29.83	757.7	51	10.6	86	w.	.....	.....	5	.....	10	.....	n.	.....	.....	mod.	nnw.	cloudy.
S. S. Alameda, Honolulu, Sandwich Islands†	29.96	761.0	67	19.4	.....	ne	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	
S. S. Orizaba, N. 33° 45′, W. 118° 33′†	29.80	756.9	56	13.3	75	wnw.	.....	.....	5	.....	2	.....	w.	½ hr	½ hr	mod.	wsw.	
S. S. State of California, San Francisco, Cal †	29.73	755.1	45	7.2	70	nw.	.....	.....	2	.....	4	.....	nw.	0	0	.....	.....	fair.
S. S. City of Rio de Janeiro, N. 26° 28′, E. 122° 41′†	30.18	766.6	60	15.6	.....	ne.	.....	.....	3	.....	1	.....	ne.	.....	.....	.....	.....	clear.
S. S. City of Tokio, N. 37° 07′, E 165° 19 †.	30.22	767.6	58	14.4	76	wsw.	.....	.....	4	.....	10	.....	wsw.	0	0	long	w.	cloudy.
S. S. Colima, Panama, Panama †	29.95	760.7	78	25.6	77	w.	.....	.....	2	.....	4	.....	w.	0.20	5.1	.....	.....	clear.
S. S. San Blas, Manzanilla, Mexico†	29.91	759.7	72	22.2	100	n.	.....	.....	2	.....	0	.....	.....	0	0	.....	wnw.	clear.
S. S. San José, N. 15° 35′, W. 95° 44′ †	29.85	758.2	80	26.7	87	nw.	.....	.....	3	.....	4	.....	n.	0	0	small	w.	fine.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao, Peru	29.98	761.5	69	20.6	90	sse.	.....	.....	1	.....	8	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Lackawanna, Callao, Peru	29.96	761.0	69	20.6	90	sse.	.....	.....	1	.....	5	.....	.....	.....	.....	.....	.....	fair.
U. S. S. Onward, Callao, Peru *†	30.00	763.5	68	20.0	95	se.	.....	.....	1	.....	10	.....	se.	.....	.....	long	w.	cloudy.
U. S. S. Pinta, S. 31° 00′, W 72° 10′	30.02	762.5	62	16.7	88	nw.	.....	.....	2	.....	0	.....	.....	.....	.....	long	wsw.	clear
U. S. S. Shenandoah, Gray Harbor, Patagonia*	29.32	744.7	42	5.6	91	nnw.	.....	.....	1	.....	10	.....	.....	.....	.....	sm'h	.....	cloudy.
U. S. S. Wachusetts, Valparaiso, Chili	29.98	761.5	59	15.0	94	calm	.....	.....	0	.....	5	.....	calm	.....	.....	sm'h	.....	fair.
H. M. S. Nelson, Sydney, N. S. W	30.24	768.1	57	13.9	100	w.	.....	.....	1	.....	4	w.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Sappho, Valparaiso, Chili	29.97	761.2	59	15.0	94	var.	.....	.....	1	.....	3	ne.	.....	.....	.....	.....	.....	d. clouds.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	29.87	758.7	58	14.4	.....	calm	.....	.....	0	.....	9	.....	.....	.....	.....	.....	.....	misty.
S. S. Australia, S. 34° 27′, E. 170° 03′ *	30.14	765.5	62	16.7	94	.....	.....	.....	4	.....	4	.....	ne.	0	0	.....	.....	
S. S. Zealandia, S. 6° 14′, W. 168° 12′	29.90	759.4	81	27.2	78	var.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	fine.
District No. 5—Indian Ocean.																		
U. S. S. Richmond, Batavia, Java	29.85	758.2	83	28.3	96	ene.	.....	.....	3	.....	5	.....	ene.	0.30	7.6	.....	.....	fair.
H. M. S. Euryalus, Massuah, Abyssinia	29.82	757.4	86	30.0	88	ne.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
H. M. S. Magpie, S. 4° 37′, E. 55° 27′	29.85	758.2	80.2	26.8	84	w.	.....	.....	2	.....	9	.....	.....	.....	.....	.....	.....	showery.
H. M. S. Myrmidon, Suakin, Egypt	29.85	758.2	88	31.1	62	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	.....	blue sky.
S. S. Braeadale, N 6° 00′, E. 82° 00′*	29.54	750.3	84	28.9	.....	ne.	.....	.....	1	.....	0	.....	.....	0	0	.....	.....	clear.
Bk. Childwall, off Kingston, N. S. W*.	30.31	769.9	57	13.9	100	e.	.....	.....	5	.....	10	.....	.....	0	0	.....	.....	overcast.
S. Frank N. Thayer, S. 42° 00′, E. 31° 28′ *	30.22	767.6	51	10.6	65	s.	.....	.....	5	.....	1 k	.....	s.	0	0	light	wsw.	blue sky.
S. J. W. Gildemeister, S. 28° 19′, E 43° 06′	30.14	765.5	76.1	24.5	66	ene.	.....	.....	2-5	.....	1 k	.....	.....	0	0	4	sw.	blue sky.
Bk. Nouva Margherita, S. 22° 22′, E. 69° 50′ *†	29.88	758.9	.....	.....	.....	e.	.....	.....	3	.....	.....	.....	e.	light	light	long	sw.	cloudy.
Bk. Xenia, S. 42° 30′, E. 25° 10′ *†	30.22	767.6	49	9.4	.....	e.	.....	.....	3	.....	2	.....	calm	0	0	h'vy	sw.	clear.

International Chart I. April 27, 1884. Isobars and Isotherms.

UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 28, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																			
Nemours	.....	.....	30.08	764.0	66.9	19.4	75	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Roziere.
Algiers	.....	.....	30.03	762.7	64.0	17.8	57	w.	.....	.....	3	.....	0	.....	.....	0	0	clear	Théve.
La Calle	.....	.....	29.98	761.6	63.7	17.6	74	nnw.	.....	.....	4	.....	4	.....	.....	0.138	3.5	cloudy	Fonfrède.
Tunis	.....	.....	29.92	760.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.06	763.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.05	763.2	66.2	19.0	.....	sw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abrahant.
Biskra	.....	.....	30.06	763.5	72.7	22.6	62	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Gouzon.
AUSTRALIAN.																			
Adelaide, South Australia	.....	.....	30.50	774.7	57.5	14.2	66	ese.	6	2.7	.....	.....	3 k	.....	.....	0	0	fine	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.39	771.9	30.58	776.7	52	11.1	84	sw.	10	4.5	.....	.....	10	.....	sw.	0	0	cloudy	Com. J. Shortt, R.N.
Melbourne, Victoria	30.39	771.9	30.48	774.2	53.1	11.7	90	sse.	10	4.5	.....	.....	1	.....	.....	0.06	1.5	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																			
Agram	29.25	743.0	29.80	756.8	55.4	13.0	51	nw.	.....	.....	2	.....	10	.....	.....	0.055	1.4	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.07	738.3	29.84	757.9	48.4	9.1	91	n.	1.3	0.6	.....	.....	10	.....	.....	0.432	12.5	.....	Dr. Wierzbiski
Eperies	28.96	735.5	29.83	757.7	54.0	12.2	74	calm	.....	.....	0	.....	10 k	.....	n.	0.394	10.0	.....	Julius Mikolik.
Gratz	28.59	726.2	29.83	757.6	54.9	12.7	70	wsw.	.....	.....	1	.....	7	.....	.....	0.276	7.0	.....	Andreas Rospini.
Hermannstadt	28.35	720.1	29.74	755.3	64.4	18.0	49	sse.	.....	.....	3	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.53	724.6	29.87	758 6	51.8	11.0	65	nne.	.....	.....	1	.....	10	.....	.....	0	0	.....	The Staff.
Lemberg	28.95	735.3	29.94	760.5	50.2	10.1	71	s.	.....	.....	5	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.65	753.2	29.76	756.0	59.2	15.1	75	wnw.	.....	.....	4	.....	3	.....	.....	0.094	2.4	raining	I. R. Hydrographic Office.
Szathmar	29.33	745.0	29.79	756.7	57.6	14.2	76	w.	.....	.....	3	.....	9	.....	.....	0.083	2.1	.....	Joseph Midlinesky, S. J
Szegedin	29.50	749.2	29.78	756.3	53.6	12.0	91	calm	.....	.....	0	.....	10	.....	.....	0.937	23.8	sleeting	Karl Stancel.
Trieste	29.71	754.7	29.81	757.2	63.0	17.2	45	ne.	.....	.....	2	.....	3	.....	.....	0.299	7.6	.....	Royal Academy.
Vienna	29.17	740.9	29.89	759.2	50.0	10.0	82	n.	.....	.....	2	.....	10	.....	.....	0.508	12.9	.....	I. R. Central Met. Obs'y.
BELGIAN.																			
Arlon	.....	.....	.....	.....	55.0	12.8	44	sw.	.....	.....	2	.....	1	.....	.....	0	0	.....	
Brussels	29.66	753.4	29.86	758.5	55.2	12.9	52	s.	.....	.....	2	.....	8	.....	ssw; sw	0.039	1.0	.....	
Furnes	29.79	756.7	29.81	757.2	.....	.....	.....	ssw.	.....	.....	2	.....	8	.....	.....	0.213	5.4	.....	
Maeseyck	29.72	755.0	29.85	758.2	63.0	17.2	48	sw	.....	.....	2	.....	.....	.....	.....	0	0	foggy	
BRITISH.																			
Aberdeen	29.97	761.2	30.07	763.8	44.9	7.2	59	e.	15	6.7	.....	.....	3	.....	.....	0.025	0.6	blue sky	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.84	757.9	47.6	8.7	72	ne.	20	8.9	.....	.....	10	.....	.....	.....	.....	overcast	John Hartnup.
Bolton, Sharples	29.29	744.0	29.83	757.7	43.9	6.6	82	ne.	12	5.4	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.43	747.5	29.82	757.4	45.1	7.3	84	ne.	.....	.....	2	.....	10	.....	.....	0.37	9.4	overcast	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.95	760.7	29.98	761.5	82.0	27.8	69	ne.	.....	.....	4	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	48.5	9.2	83	se.	.....	.....	0.6	.....	9	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E.	29.59	751.6	29.76	755.9	46.7	8.2	81	sw.	.....	.....	1	.....	9	.....	.....	blank	blank	gloomy	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.61	752.1	29.84	757.9	49.1	9.5	60	nnw.	.....	.....	4	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.76	705.1	30.07	763.8	69.0	20.6	63	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	Corp'l O. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.94	760.5	29.98	761.5	50	10.0	65	ne.	.....	.....	1	.....	6	.....	.....	0.12	3.0	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.91	759.7	30.01	762.2	63.2	17.3	94	w.	.....	.....	5	.....	6	.....	.....	.....	.....	d. clouds	Sgt. A. Rand, A.H.C.
Greenwich, Royal Obs'y	29.59	751.6	29.76	755.9	47.5	8.6	76	ssw.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	The Staff.
Guernsey	29.53	750.0	29.83	757.7	50.9	10.5	76	wnw.	.....	.....	1	.....	6	.....	.....	0.01	0.3	d. clouds	A. Collenette, F.R.M.S
Kew, Observatory	29.73	755.1	29.77	756.1	46.6	8.1	85	ssw.	1	0.4	.....	.....	10	.....	.....	.....	.....	threatening	The Staff.
Leicester, Museum	29.51	749.5	29.76	755.9	52.1	11.2	93	ne.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.70	754.4	29.78	756.4	64.2	17.9	59	nw.	.....	.....	2	.....	6	.....	.....	.....	.....	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.13	765.3	30.18	766.6	74.0	23.3	63	ne.	.....	.....	3	.....	4	.....	.....	0.25	6.3	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.53	750.0	29.76	755.9	47.8	8.8	85	n	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	The Staff.
Plymouth	29.72	754.9	29.79	756.7	50.0	10.0	86	nw.	.....	.....	2	.....	10	.....	.....	.....	.....	drizzling	John Merrifield.
Sandwick Manse, Orkneys	29.96	761.0	30.06	763.5	48.5	9.2	60	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	blue sky	Rev. C. Clouston L.L.D
Scutari Cemetery, Turkey	29.77	756.1	29.83	757.7	58.0	14.4	70	ne.	.....	.....	2	.....	10	.....	.....	.....	.....	d. clouds	W. H. Lyne.
Sheffield	29.50	749.3	29.88	758.9	46.4	8.0	90	ne.	.....	.....	1	.....	6?	.....	.....	.....	.....	overcast?	W. F. Cooper.
Silloth Rectory	29.91	759.7	29.94	760.5	47.3	8.5	84	e.	.....	.....	5	.....	10	.....	.....	0.010	0.3	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.80	758.4	43.9	6.6	80	ne.	14	6.3	.....	.....	10	.....	.....	0.015	0.4	raining	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	49.2	9.6	78	sw.	.....	.....	1.0	.....	10	.....	.....	.....	.....	showery	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.99	761.7	30.02	762 5	50.8	10.4	63	n.	23	10.3	.....	.....	4	.....	.....	.....	.....	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.44	747.8	29.83	757.7	61.9	16.6	60	nw.	18.6	8.3	.....	0	8 n	.....	.....	0	0	cloudy	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.88	758.9	29.99	761.7	67.3	19.6	79	e.	21	9.4	.....	3 ck	.....	w	n.	0	0	d. clouds	The Staff.
CANADIAN.																			
Bathurst, N. B	30.19	766.8	30.23	767.8	30.0	— 1.1	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	30.15	765.8	30.20	767.1	35	1.7	71	ne.	4	1.8	.....	.....	10 s	.....	ne.	0	0	cloudy	H. J. Cundall, C. E
Chatham, N. B*	30.18	766.6	30.24	768.1	28	— 2.2	92	se.	1	0.4	.....	.....	10 n	.....	se.	0	0	cloudy	G. A. Blair.
Cornwall, Ontario	29.59	751.6	29.78	756.4	57.9	14.4	57	s.	.....	.....	1	.....	10 s	.....	.....	0	0	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	30.18	766.6	30.23	767.8	31.0	— 0.6	.....	e.	.....	.....	2	0	0	.....	.....	0	0	blue sky	H. A. Johnson.
Father Point, Quebec*	30.05	763 3	30.07	763.8	40	4.4	96	s.	2	0.9	.....	0	1 ks	.....	calm	0	0	clear	J. McWilliams
Fort Garry, Manitoba*	29.32	744.7	30.20	767.1	24	— 4.4	88	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	James Stewart.
Fredericton, N. B	30.15	765.8	30.22	767.6	30.1	— 1.1	90	ne.	5	2.2	.....	.....	10 n	.....	.....	inap.	inap.	snowing	Dr. Thos. Harrison.
Grand Manan, N. B	30.11	764.8	30.17	766.3	35	1.7	96	e.	8	3.6	.....	0	fg.	.....	.....	0.01	0.3	foggy	J. Chipman Seeley
Granton, Ontario	28.81	731.8	29.93	760.2	43.0	6.1	83	w.	12	5.4	.....	10 c	0	w.	.....	0	0	overcast	Jas. Grant.
Halifax, N. S*	30.05	763.3	30.18	766.6	36	2.2	96	e.	5	2.2	.....	.....	10n; fg	.....	e.	0.010	0.3	cloudy	A. Allison.
Hamilton, Ontario	29.45	748.0	29.86	758.4	43.2	6.2	80	sw.	.....	.....	1	9 ck	0	w.	.....	0.04	1.0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.50	749.3	29.84	757.9	48	8.9	74	sw.	20	8.9	.....	5 k	3 ks	sw.	sw.	0.02	0.5	fair	A. P. Knight, M. A
Little Glace Bay, N. S	30.15	765.8	30.19	766.8	34.5	1.4	99	se.	.....	.....	2	.....	10 n	.....	.....	.....	.....	foggy	C. H. Rigby.
London, Ontario	29.05	737.9	29.96	761.0	44.7	7.1	64	w.	.....	.....	3	.....	9 ks	.....	.....	0	0	d. clouds	E. B. Reed.
Medicine Hat, N. W. T	27.62	701.5	29.99	761.7	27	— 2.8	96	s.	1	0.4	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	28.15	715.0	30.17	766.3	19	— 7.2	84	calm	0	0	.....	0	1 s	.....	calm	0	0	clear	Rev. J. M. Wellwood
Montreal, Quebec*	29.68	753.9	29.89	759.2	49	9.4	77	se.	20	8.9	.....	.....	10 s	.....	s.	0.01	0.3	light rain	C. H. McLeod, C. E.
Ottawa, Ontario	29.55	750.6	29.77	756.1	56.3	13 5	73	ssw.	.....	.....	.....	.....	10 ks	.....	.....	0.01	0.3	overcast	A. McGill, M. A.
Parry Sound, Ontario*	29.12	739.6	29.83	757.7	35	1.7	100	sw.	25	11.2	.....	.....	10 n	.....	sw.	0.25	6.3	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.08	738.6	29.82	757 4	50.7	10.4	93	s.	.....	.....	4	.....	10 k	.....	.....	0.02	0.5	overcast	Wm. O'Connor, M.A.
Port Arthur	29.40	746.7	30.14	765.5	26	— 3.3	80	nw.	6	2.7	.....	4 ck	0	w.	.....	0.22	5.6	blue sky	W. P. Cooke.
Port Dover, Ontario	29.25	742.9	29.95	760.7	48	8.9	78	sw.	15	6.7	.....	10 k	0	sw.	.....	0.04	1.0	cloudy	H. Morgan.
Port Stanley, Ontario	29.31	744.5	29.96	761.0	47	8.3	71	w.	22	9.8	.....	0	4 k	.....	w.	0.10	2.5	fair	M. Payne.
Qu Appelle, N. W. T	27.75	704.8	30.05	763.3	38	3.3	.....	s.	4	1.8	.....	0	0	.....	.....	0	0	clear	Leslie Gordon.
Quebec, Quebec*	29.63	752.6	29.99	761.7	40	4.4	82	n.	6	2.7	.....	0	0	.....	.....	0	0	clear	Capt. A. he, R. N.
Rockliffe, Ontario*	29.23	742.4	29.68	753.9	54	12.2	69	w.	6	2.7	.....	.....	9 ks	.....	sw.	0	0	cloudy	W. H. McIntyre.
St. Andrews, N. B	30.12	765.0	30.17	766.3	33	0.6	99	e.	3	1.3	.....	fg	.....	.....	.....	0	0	dense fog	
St. John, N. B	30.03	762.7	30.18	766.6	34.0	1.1	83	calm	0	0	.....	10 n	.....	.....	.....	0	0	foggy	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.20	767.0	39.2	4.0	.....	ne.	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.18	741.2	29.91	759.7	36	2.2	96	w.	10	4.5	.....	.....	10 ks	.....	.....	0.19	4.8	cloudy	
Stratford, Ontario	28.65	727 7	29.95	760.7	42.5	5.8	68	w.	13	5.8	.....	.....	10 ks	.....	.....	0.300	7.6	d. clouds	W. McBride, A.M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles n.'hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	30.17	766.3	30.24	768.1	35	1.7	92	ne.	6	2.7	.....	.....	10 n	.....	.....	0.07	1.8	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.50	749.3	29.89	759.2	49	9.4	63	w.	24	10.7	.....	.....	10 ks	.....	nw.	0	0	cloudy	Magnetic Observatory.
Woodstock, Ontario	28.89	733.8	29.96	761.0	44.5	6.9	71	sw.	26.0	11.6	.....	.....	10 s	.....	.....	0	0	gloomy	Prof. N Wolverton, M.A.
Yarmouth, N.S*	30.09	764.3	30.15	765.8	39	3.9	86	e.	6	2.7	.....	.....	10 k	.....	e.	0	0	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.12	765 0	30.15	765.8	68.0	20.0	92	sw.	.....	.....	.....	0	0	.....	.....	0	0	dull	1. Garfelt.
Cape Town, The Castle	29.88	758.9	.....	.....	69.0	20.6	54	e.	.....	.....	.....	0	5 k	.....	.....	0	0	.....	Capt.R.Gardner Warton
Springbok Fontein	27.88	708.1	.....	.....	68	20.0	68	.....	.....	.....	.....	.....	.....	.....	.....	0	0	.....	J T. Eustace
CHILIAN.																			
Iquique	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Rafael Moreno.
Niebla	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Federico Köhling.
Punta Caldera	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Manuel Tobar.
Punta Corona	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Francisco Alvarado.
Quiriquina	.....	.....	.....	.....	54.5	12.5	88	w.	.....	.....	4	.....	10 n	.....	w.	0.402	10.2	cloudy	Leon Herrera.
Valparaiso	29.82	757.5	29.97	761.1	56.3	13.5	88	s.	.....	.....	1	0	s	.....	.....	0	0	clear	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.98	761.5	30.00	762.1	56.3	13.5	82	sse.	7.8	3.5	.....	0	0	.....	.....	0	0	clear	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	30.02	762 5	30.07	763.7	49.3	9.6	53	ssw.	7	3	.....	.....	0	.....	.....	.....	.....	.....	Oversergent Fischer.
Fanöe	29.99	761.8	30.01	762.3	55.6	13.1	49	e.	.....	.....	4	.....	2	.....	.....	.....	.....	.....	Overloerer Lauridsen.
Godthaab, Greenland	29.24	742.8	29.29	743.9	24.3	— 4.3	79	e.	.....	.....	4	.....	10	.....	.....	.....	.....	snowing	S. Kleinschmidt.
Ivigtut, Greenland	29.52	749.9	29.54	750.4	25.3	— 3.7	.....	nw.	.....	.....	2	.....	10	.....	.....	.....	.....	.....	
Stykkisholm, Iceland	29.28	743.7	29.32	744.8	41.7	5.4	80	w.	.....	.....	4	.....	8	.....	.....	.....	.....	.....	A. O. Thormacius.
Thorshavn	30.02	762.4	30.04	763.0	44.4	6.9	73	sse.	16	7	.....	.....	8	.....	.....	.....	.....	.....	Overloerer Bergh.
Upernavik, Greenland	29.67	753.5	29.71	754.7	7.7	—13.5	.....	e.	.....	.....	2	.....	8	.....	.....	.....	.....	.....	
Vestervig	29.93	760.1	30.02	762.4	50.4	10.2	62	ene.	.....	.....	2	.....	0	.....	.....	.....	.....	.....	Loerer Oesterhol.
EGYPTIAN.																			
Cairo	29.60	751.9	.....	.....	103.1	39.5	.....	s.	9.2	4.1	.....	0	0	.....	.....	0	0	.....	Albert Ismailun, Dir.
FRENCH.																			
Agen, Normal School	29.30	744.1	29.95	760.6	56.1	13.4	71	ssw.	.....	.....	1.	.....	9n;kn	.....	sw.	0.035	0.9	.....	M. Laborne, Director.
Alençon, Normal School	29.28	743.7	29.83	757.7	50.7	10.4	98	s.	.....	.....	1	2 ck	.....	.....	n.	0.370	9.4	slightly cl'dy	M. Nicot, Director.
Arras, Normal School	29.59	751.5	29.83	757 6	57.6	14.2	48	sse.	.....	.....	1	.....	2	ne.	ne.	0.264	6.7	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.79	756.7	29.87	758.7	68.4	20.2	33	nnw.	.....	.....	1	.....	0	.....	.....	0	0	clear	M. Giraud, Director.
Bar-sur-Seine	29.35	745.4	29.90	759 4	56.8	13.8	43	sse	.....	.....	1	.....	5	.....	w.	0	0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.59	751.5	29.85	758.2	57.2	14.	58	sse.	.....	.....	2	.....	8	.....	sw.	0.185	4.7	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.97	735.8	29.85	758 2	59.0	15.	48	s.	.....	.....	1	.....	.....	.....	ne.	0	0	.....	M. Gobin, Director.
Bordeaux, Observatory	29.01	752.1	29.87	758.7	55.8	13.2	64	s.	.....	.....	1	.....	8	.....	se.	0.213	5.4	very cloudy	M. Rayet, Director.
Bourges, Normal School	29.34	745.2	29.89	759.2	58.1	14.5	48	sw.	.....	.....	1	.....	10	.....	sw.	0	0	covered	M. Sauvageot, Director.
Brest, Naval Observatory	29.63	752.6	29.87	758.8	52.9	11.6	61	ene.	.....	.....	2	.....	4	.....	nne.	0.268	6.8	.....	M. de Kermaree, Dir.
Caen, Normal School	29.69	754.0	29.76	755.9	55.8	13.2	95	sw.	.....	.....	1	.....	5	.....	sw.	0.04	1.	cloudy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'	.....	.....	.....	.....	55.2	12.9	59	s.	.....	.....	1	.....	5	.....	s.	0.051	1.3	cloudy	M. Judot, Director.
Charleville, Normal School	29.37	746.0	29.89	759.2	56.1	13.4	52	sw.	.....	.....	4	.....	8	.....	sw.	0.059	1.5	¾ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.52	724.5	29.85	758.3	60.4	15.8	52	ne.	.....	.....	1	.....	8	.....	.....	0	0	.....	M. Alluard, Director.
Cluny, Normal School	29.06	738.0	29.96	761.0	59.0	15	48	e.	.....	.....	1	.....	6	.....	w.	0	0	.....	M. de Villemontés, Dir.
Commercy, Normal School	29.11	739 3	29.94	760.5	54.9	12.7	59	w.	.....	.....	1	.....	kn	w.	w.	0	0	.....	Dr. Coulet, Director.
Gap, Normal School	27.30	693.5	29.83	757.6	59.9	15.5	48	n.	.....	.....	1	.....	1 k	.....	.....	0	0	.....	M. Jarach, Director.
Gréasque, du Rhone	28.71	729 2	29.82	757.4	61.3	16.3	25	nw.	.....	.....	2	.....	1	.....	nw.	0	0	.....	M. Kina, Director.
Grenoble, Normal School	29.09	738 9	29.84	757.9	62.6	17	35	nw.	.....	.....	1	.....	k	.....	n.	0	0	.....	M. Ablard, Director.
Guéret, Normal School	28.28	718.4	29.87	758.7	51.8	11.	18	s.	.....	.....	4	.....	kn	.....	e.	0.110	2.8	.....	M. Delorme, Dir.
Lamballe Normal School	29.56	750.7	29.83	757 7	52.3	11.3	63	nw.	.....	.....	1	.....	8 n	.....	nw.	0.059	1.5	very cloudy	M. Pollpre, Dir.
Lescar, Normal School	29.32	744.6	29.89	759.2	62.2	16.8	43	wsw.	.....	.....	1.	.....	8 kn	.....	nw.	0	0	very cloudy	M. Chauvin, Director.
Lorient, Naval Observatory	29.74	755.3	29.84	757.9	56.8	13.8	55	sw.	.....	.....	3	.....	8	.....	.....	0	0	¼ covered	Lt. T. Carre, Director.
Lyon, St. Genis-Laval	28.83	732.2	29.87	758.7	61.2	16.2	40	e.	.....	.....	1	.....	5 k	.....	w.	0	0	cloudy	M. André, Director.
Mans, Normal School	29.52	749.7	29.84	758 0	53.2	11.8	67	sw.	.....	.....	1	.....	5 kn	.....	sw.	0.169	4.3	cloudy	M. Richard, Director.
Marseille, Observatory	29.59	751.5	29.85	758.3	64.4	18.0	51	w.	.....	.....	2	.....	1	.....	.....	0	0	.....	M. Stephan, Director.
Montlouis	24.67	626.7	29.52	749 7	42.8	6.0	58	w.	13.0	5.8	.....	.....	7	w.	.....	0.130	3.3	.....	M. Cave for Dr. Fines.
Montpellier, Normal School	29.72	755.0	29.84	757.8	65.5	18.6	56	s.	.....	.....	4	.....	2	wnw.	.....	0	0	slightly cl'dy	M. Galzin, Director.
Nancy, Normal School	29.15	740.3	29.92	759 9	56.8	13.8	42	nw.	.....	.....	2	.....	kn	.....	sw.	0	0	.....	M. Hasse, Director.
Nantes, Observatory	29.70	754 4	29.86	758.5	54.1	12.3	75	wnw.	.....	.....	1	.....	10 n;kn	.....	sw.	0.134	3.4	.....	M. Lacrocque, Director.
Perpignan, Observatory	29.80	756.9	29.91	759.7	61.9	16.6	52	se.	5.6	2.5	.....	.....	0	.....	.....	0	0	.....	Dr. Fines, Director.
Pic-du-Midi, Summit	20 99	533.2	.....	.....	24.3	— 4.3	.....	sw.	.....	.....	1	.....	.....	.....	sw.	0.039	1.0	.....	M. Vaussenat, Director.
Privas, Normal School	28.84	732.6	29.89	759.2	64.4	18	37	n.	.....	.....	1	.....	10	.....	n.	0	0	covered	M. Taillieu.
Puy de Dôme Obs'y, Summit	24.99	634 8	.....	.....	33.4	0.8	90	sw.	.....	.....	2	.....	8 k	.....	.....	0.067	1.7	.....	M. Alluard.
Rochefort, Naval Obs'y	29.84	758.0	29.87	758 8	55.9	13.3	64	sw.	.....	.....	4	.....	10	.....	sw.	0.08	2.	covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.61	752.2	29.83	757.7	54.3	12.4	70	ssw.	.....	.....	1	.....	.....	.....	.....	0.043	1.1	.....	M. Brothier, Director.
Rodez, Normal School	27.74	704.7	29.85	758.2	55.4	13.	61	s	.....	.....	1	.....	5	.....	n.	0	0	fair	M. Seger, Director.
Rouen, Normal School	29.78	756 3	29.82	757.5	56.1	13.4	53	sw.	.....	.....	1	.....	10	.....	sw.	0.106	2.7	covered	M. Mouillot, Dir.
Saint Maur, Observatory	29.71	754 6	29.87	758.8	53.1	11.7	67	ssw.	.....	.....	2	.....	1	.....	sw.	0.154	3.9	clear	M. Renou, Director.
Toulouse, Observatory	29.21	742.0	29.93	760.3	63.7	17.6	57	ese.	.....	.....	1	.....	8	w.	.....	0	0	very cloudy	M. Baillaud, Director.
Tours	29.69	754 0	29.87	758 6	52.2	11.2	73	s.	.....	.....	1	.....	8	sw.	ssw.	0.272	6.9	rainy	M. de Tastes.
Versailles, Observatory	29.36	745.8	29.85	758.3	52.5	11.4	69	n.	.....	.....	1	.....	8	.....	.....	0	0	very cloudy	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.75	755.7	29.90	759.5	56.8	13.8	75	n.	2.0	0.9	.....	.....	10 kn	.....	.....	0.138	3.5	light rain	M. Carlier, Director.
GERMAN.																			
Ansbach	28.49	723 6	29.94	760.5	52.5	11.4	68	calm	.....	.....	0	.....	7	.....	.....	0.094	2.4	.....	Prof. Juedt.
Bamberg	29.07	738 3	29.91	759 7	56.1	13.4	55	w.	.....	.....	1	.....	5 k	.....	w.	0.012	0.3	.....	Prof. Dr. Hoh.
Berlin	29.82	757.4	29.96	761.0	55.4	13.0	47	e.	.....	.....	2	.....	9	.....	.....	0	0	.....	Meteorological Institute
Breslau	29.43	747.5	29.96	760 9	49.8	9.9	74	nne.	.....	.....	2	.....	10	.....	.....	0.004	0.1	.....	Royal University Obs'y
Carlsruhe	29.45	747 9	29.90	759.4	59.4	15.2	43	ne.	.....	.....	1	.....	5	sw.	.....	0	0	.....	Albert Senz.
Cassel	29.22	742.1	29.93	760.2	54.3	12.4	49	se.	.....	.....	2	.....	8	s.	.....	0	0	.....	Dr. H. Möhl.
Frankfort-on-the-Main	29.53	750 0	29.89	759.2	59.9	15.5	48	n.	.....	.....	1	.....	7	.....	.....	0	0	.....	Physical Society.
Friedrichshafen	28.50	723 9	29.90	759 4	53.2	11.8	75	e.	.....	.....	1	.....	7	e.	.....	0	0	.....	Wilhelm, Chief Tel.
Hamburg	29.89	759.2	29.98	761 5	57.9	14.4	50	s.	.....	.....	3	.....	7	.....	.....	0	0	.....	E. Preller.
Kiel	29.96	760.9	29.97	761 3	51.4	10.9	63	e.	.....	.....	2	.....	4	.....	.....	0	0	.....	Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.55	750.5	29.97	761.1	57.7	14.3	50	ene.	.....	.....	2	.....	6	ne.	.....	0	0	.....	H. Leppig, Asst.
Magdeburg	29.77	756.1	29.96	760.9	58.8	14.9	40	e.	.....	.....	2	.....	7	ene.	.....	0	0	misty	Weather Observatory.
Memel	30.08	764.0	30.13	765.2	48.2	9.0	74	sse.	.....	.....	1	.....	10 ks	.....	.....	.....	.....	light rain	Issermann.
Munich	28.08	713 1	29.93	760 2	53.4	11.9	55	n.	.....	.....	2	.....	7	ne.	.....	0.008	0.2	.....	Central Station.
Neufahrwasser	30.04	763 1	30.07	763 8	45.1	7.3	89	ne.	.....	.....	3	.....	10	.....	.....	0	0	.....	A. Lothes.
Neustadt, Palatinate	29.36	745.8	29.89	759 1	61.0	16.1	42	s.	.....	.....	4	.....	3	s.	.....	0	0	.....	Prof. Dicknether.
Stuttgart	28.95	735.4	29.84	757.8	58.1	14.5	48	n.	.....	.....	1	.....	8	w.	.....	0	0	.....	Dr. L. Meyer.
Wustrow	30.02	762.6	30.05	763.2	51.3	10.7	58	ene.	.....	.....	2	.....	10 s	.....	.....	0	0	.....	Profs. Brandes & Reimer
GREEK.																			
Athens	29.25	743 0	29.63	752.6	70.7	21.5	.....	ne.	.....	.....	1.5	8	.....	.....	.....	0.075	1.9	.....	Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.76	755 9	29.81	757.2	84.7	29.3	71	wsw.	35.0	15.6	.....	.....	0	.....	.....	0	0	misty	
Deesa	29.27	743.4	29.72	754 8	102.5	39.2	9	nw.	13.0	5.8	.....	.....	0	.....	.....	0	0	blue sky	
Bombay	29.74	755.5	29.78	756 4	85.7	29.8	74	nw.	15.0	6.7	.....	.....	2	w.	.....	0	0	d. clouds	
Poona, Yarrowda	27 94	709 8	29.75	755 6	92.8	33.8	16	n.	14.0	6.3	.....	.....	9	.....	.....	0	0	d. clouds	
Trichinopoly	29.52	749 8	29.80	756.8	94.5	34.7	40	nne.	0.2	0.1	.....	.....	7	ne.	nne.	0	0	d. clouds	
Bellary	28.25	717 6	29.66	753 3	100.0	37.8	22	e.	2.0	0.9	.....	.....	5	.....	.....	0	0	d. clouds	
Belgaum	27.29	693.2	29.83	757.8	74.4	23.6	60	w.	6.0	2.7	.....	.....	8	w.	s.	0.35	8.9	d. clouds	
Lahore	28 90	734 1	29.62	752.3	96.2	35.7	22	w.	4.0	1.8	.....	.....	2	.....	.....	0	0	d. clouds	
Roorkee	28.73	729.7	29.59	751.6	98.1	36.7	14	w.	5.0	2.2	.....	.....	2	.....	.....	0	0	blue sky	

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fahr.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec.	Wind. Force. 0–10	Clouds. Amount and kind. Upper. 0–10	Clouds. Amount and kind. Lower. 0–10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
INDIAN.—Continued.																			
Agra	29.08	738.6	29.62	752.2	101.8	38.8	8	w	2.0	0.9			0			0	0	blue sky	
Nagpur	28.66	727.8	29.66	753.2	99.2	37.3	12	calm	3.0	1.3			5		w.	0	0	d. clouds	
Jubbulpore	28.37	720.5	29.67	753.7	97.2	36.2	18	sw.	4.0	1.8			4		sw.	0	0	d. clouds	
Lucknow	29.25	743.0	29.61	752.1	101.4	38.6	12	wnw.	10.0	4.5			0			0	0	misty	
Allahabad	29.32	744.7	29.62	752.3	101.7	38.7	11	w					2			0	0	d. clouds	
Patna	29.45	748.0	29.63	752.5	99.7	37.6	25	wnw.	5.5	2.5			0			0	0	blue sky	
Hazaribagh	27.69	703.2	29.63	752.6	92.7	33.7	10	wnw.	6.0	2.7			0			0	0	blue sky	
Cuttack	29.65	753.1	29.73	755.2	91.3	32.9	46	wnw.	8.0	3.6			2			0	0	d. clouds	
Calcutta, Alipore	29.66	753.4	29.68	753.9	87.5	30.8	62	s.	7.0	3.1			2			0	0	d. clouds	
Chittagong	29.68	754 0	29.78	756.3	82.4	28.0	81	sw.	3.1	1.4			1			0	0	d. clouds	
Sibsagar	29.54	750.3	29.88	759.0	70.4	21.3	95	sw.	2.0	0.9			10	w.	w.	1.02	25.9	overcast	
Jeypore	28.27	718.1	29.66	753.4	98.7	37.1	10	nw.	13.2	5.9			1		wnw.	0	0	blue sky	
Zanzibar	29.97	758.7			77.7	25.4	86	sw.	19.1	8.5			10		sw.			showery	
ITALIAN.																			
Udine	29.40	746 8	29.81	757.1	62.4	16.9	49	sw.	0.7	0.3			9			0.035	0.9		Prof. Giovanni Olodig.
Milan	29.33	744.9	29.84	757.9	61.9	16.6	51	sw.	4.3	1.9			7		nw.	0.012	0.3		Prof. G.V.Schiapparelli
Padua	29.71	754.5	29.81	757.2	61.2	16.2	58	ssw.	1.3	0.6			5		e.	0	0		Prof. Dott. Lorenzoni.
Moncalieri	28.90	734.1	29.80	756.8	60.1	15.6	46	se.	2.5	1.1			1		ne.	0	0		Prof. F. F. Denza.
Genoa	29.64	752.9	29.84	757.8	62.6	17.0	51	se.	5.6	2.5			2		ne.	0	0		Prof. G. M. Garibaldi
Pesaro	29.78	756.4	29.83	757.6	57.0	13.9	74	n.	9.8	4.4			2		nw	0.067	1.7		Prof. Luigi Guidi.
Florence	29.55	750.5	29.80	756.9	62.2	16.8	48	n.			2		10		nnw.	0	0		Prof. Costantino Pittei.
Leghorn	29.70	754.4	29.78	756.5	60.3	15.7	73	nw.	1.3	0.6			2			0	0		Prof. P. Monte.
Rome	29.58	751.2	29.75	755.6	64.8	18.2	32	w.	1.8	0.8			4			0	0		Prof. P. Tacchini.
Lecce	29.34	745.3	29.59	751.6	57.2	14.0	89	nnw.	9.8	4.4			10		nnw.	0.240	6.1		Prof. C. de Giorgi.
Cosenza	28.83	732.2	29.71	754.6	60.8	16.0	77	sse.	1.8	0.8			10		se.	0.283	7.2		Prof. D. Conti.
Palermo	29.58	751.3	29.82	757.5	59.7	15.4	58	nw.	17.4	7.8			7		nw.	0.929	23.6		Prof. G. Caccintore
Syracuse	29.60	751.7	29.64	752.8	67.1	19.5	47	nne.	18.6	8.3			9		nne.	0	0		Sig. V. Giulio.
Sub-series.																			
Naples, Astron'l Obs'y	29.21	741.9			61.0	16.1	61	wsw.	9.4	4.2			7		nw.	0.051	1.3		Prof. F. Brioschi.
Stelvio	21.95	557.6			37.2	2.9	88	ne.			2		10			0	0	misty	Prof. P. F. Denza.
Valdobbia	22 00	558.7			32.0	0.0	58	e.			2		7			0	0	misty	Prof. P. F. Denza.
JAPANESE.																			
Akita	29.77	756 1	29.80	757.0	44.4	6.9	75	w.			4		10 k		w.	0.118	3.0	cloudy	H. Hattori.
Awomori	29.70	754 4	29.74	755.4	42.2	5.7	79	sw.	7.7	3.4		0	5ks;s		sw.	0.206	5.2	fair	K. Ogawa.
Hakodate	29.70	754.4	29.71	754.7	41.0	5.0	76	w.	9.6	4.3		0	4 s			0	0	fair	Y. Souma.
Hamamatsu	29.91	759.7	30.01	762.2	49.3	9.6	70	w.			4	0	0			0.016	0.4	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.01	762.2	30.02	762.6	49.8	9.9	78	nw.	2.1	1.0		0	0			0.059	1.5	clear	Y. Okamoto.
Kagoshima	30.12	765 1	30.13	765.4	48.9	9.4	85	n.			2	0	0			0	0	clear	
Kanazawa	29.89	759.3	30.00	762.0	45.2	7.3	77	s.	5.5	2.4		0	2 ks			0.301	7.6	fair	S. Endo.
Kioto	29.88	758.9	30.05	763.3	44.0	6.7	92	n.	0.4	0.2		0	2 s			0.028	0.7	clear	M. Tojima.
Kochi	30.01	762.3	30.03	762.8	58.5	14.7	53	sw.	7.1	3.1		8 ck	0		w.	0.015	0.4	cloudy	K. Kusunose.
Miasaka	30.09	764.2	30.11	764.9	54.6	12.6	61	w.			2	0	0			0	0	clear	K. Masusaki&T. Ishizaka
Miyako	29.64	752.8	29.75	755.6	44.8	7.1	62	sw.	3.9	1.7		5ck;cs	0		sw.	0	0	fair	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.89	759 2	30.10	764.5	56.1	13.4	67	w.	8.4	3.8		0	0			0	0	clear	
Nemuro	29.57	751.1	29.62	752.3	38.1	3.4	83	sw.	6.0	2.7		1 k	0			0	0	clear	A. Shibuya.
Niigata	29.89	759.2	29.92	759.9	43.0	6.1	82	sw.	13.1	5.8		0	0			0.260	6.6	clear	Satoo & Tomikawa.
Nobiru	29.83	757.7	29.85	758.1	46.5	8.1	65	nw.	6.8	3.0			10 s			0	0	covered	Yoshino & Midzushima.
Numadzu	29.87	758.7	29.91	759.7	54.0	12.2	59	sw.			6	0	0			0	0	clear	T. Ohgi.
Osaka	30.02	762 5	30.04	762.9	49.6	9.8	89	nnw.	3.7	1.6		0	7 s			0	0	fair	H. Omura.
Saga	30.05	763.2	30.07	763.8	53.4	11.9	75	w.	4.4	2.0		0	0			0	0	clear	A. Matsuhayashi.
Sakai	30.00	762.1	30.01	762.3	45.7	7.6	78	ssw.			2	0	0			0.126	3.2	clear	Yamawchi & Sakamoto.
Sapporo	29.60	751.7	29.66	753.4	38.1	3.4	90	n.	3.0	1.3			10 n			0.010	0.3	raining	S. Kimura.
Shimonoseki	29.89	759.3	30.04	763.0	55.6	13.1	67	wsw.			2	0	2 s		w.	0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	29.78	756.5	29.86	758.4	50.3	10.2	68	nw.	5.4	2.4		0	0			0	0	clear	The Staff.
Wakayama	29.98	761.5	30.03	762.8	50.8	10.4	76	calm	0	0			rock;s		w.	0.006	0.2	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.76	755.9	29.94	760.5	78.0	25.6	63	se.	19.0	8.5		1 cs	2 k			0.11	2.8	fair	The Staff.
MEXICAN.																			
Leon	24.28	616.7	29.95	760.7	57.6	14.2	66	n.	0.9	0.4		0	0			0	0	clear	M. Leal & M. Pina
Mazatlan	29.70	754.3	29.96	760.9	71.0	21.7	85	nw.	0	0			10 n		wsw.	inap.	inap.	covered	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.85	758.2	29.85	758.2	55.4	13.0		s.			4					0.232	5.9		
Groningen	29.83	757.6	29.88	759.0	57.2	14.0		s.			2					0	0		
Helder	29.86	758.5	29.86	758.5	47.5	8.6		ene.			2					0.035	0.9		
Hellevoetsluis	29.85	758.2	29.85	758.2	59.2	15.1	46	ssw.			2					0	0		
Utrecht	29.83	757.7	29.88	758.9	59.2	15.1	54	sse.			3		5			0.028	0.7	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.81	757.2			81.1	27.3	80	ene.	0.5	0.2			4			0.071	1.8		Lt. J. J. Roptman, R. D. N
NORWEGIAN.																			
Bergen	29.97	761.3	30.04	762.9	47.8	8.8	55	calm	0	0			10			0	0		
Brono	29.96	760.9	30.00	761.9	44.2	6.8	73	n.			6		5			0.012	0.3		
Christiania	29.88	758.9	30.03	762.7	48.4	9.1	55	calm	0	0			3			0	0		
Gjæsvær	29.83	757.6	29.85	758.2	33.3	0.7		wnw.			6		10			0.008	0.2	snowing	
PORTUGUESE.																			
Funchal, Madeira	30.18	766.6	30.27	768.9	61.3	16.3	60	calm	0	0			10			0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.70	754.3	30.04	762.9	55.0	12.8	58	nw.	8.1	3.6			6			0.106	2.7		The Staff.
Ponta Delgada, Azores	30.40	772.1	30.47	773.9	57.9	14.4	84	ne.	6.9	3.1			3			0.020	0.5	light rain	
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.90	759.5	29.94	760.4	72.9	22.7	84	nne.			3		8			0	0	light haze	
San Salvador, Congo																			
Serra da Estrella	25.09	637.3	29.97	761.2	32.0	0.0	100	w.	24.8	11.1			10			0.197	5.0	snow & fog	
RUSSIAN.																			
Akmolinski	28.99	736.4	30.12	765.0	32.7	0.4	50	ene.	27	12		0	8 k			0	0		Major K. Lasarew.
Archangel	30.06	763.6	30.08	764.1	40.8	4.9	94	sw.	9	4			10			0	0		Capt. Sselliwerstow.
Ashurada	30.00	762.0	29.91	759.6	61.0	16.1	95	nw.	9	4			10 n			inap.	inap.		
Astrakhan	30.14	765.6	30.07	763.7	52.3	11.3	35	nne.	18	8		0	4 k;s			0	0	light clouds	Capt. Wisganow.
Baku	30.03	762.8	29.98	761.6	48.9	9.4	83	nnw.	31	14			9 kn						
Barnaul	29.85	758.2	30.38	771.6	29.5	— 1.4	49	ne.	13	6			0			0	0		Meteorological Office.
Bielosersk	29.94	760 4	30.41	772.5	48.2	9.0	41	ssw.	11	5		2 c	0			0	0	solar halo	
Dorpat	29.96	761.0	30.21	767.2	57.2	14.0	46	s.	7	3			10 k			0.067	1.7		Rosenthal.
Ekaterinburg	29.39	746.5	30.38	771.7	41.5	5.3	37	e.	9	4		0	0			0	0	hazy	Meteorological Obs'y.
Elissawetgrad	29.81	757.1	30.26	768.6	58.1	14.5	34	ese.	13	6		8 cs	0			0	0	light clouds	
Kasalinsk	29.35	745.0	29.53	750.1	69.3	20.7	67	nne.	9	4									Butkewitsch.
Kasan	30.11	764.8	30.39	771.8	45.5	7.5	36	nne.	7	3		0	0			0	0		Observatory.
Kem	30.00	762.1	30.06	763.4	42.1	5.6	75	sw.	13	6			10 ks			0	0	h'vy clouds	
Kerten	30.07	763.7	30.09	764.3	52.6	11.1	67	e.	16	7		0	2 k			0	0		Lagorio & Sastyrez.
Kieff	29.58	751.4	30.22	767.6	54.9	12.7	38	sse	16	7		0	6 ks			0	0		Observatory.
Kosloy	29.91	759.7	30.43	772.9	44.1	6.7	50	ene.	11	5		0	5 k			0	0		
Lgov	29.83	757.7	30.43	772 9	50.0	10.0	48	se.	16	7			0			0	0		R. I. Seawoljew, Engin'r.
Libau	30.11	764.8	30.13	765.4	44.1	6.7	90	wnw.	2	1			10			0.047	1.2	raining	E. Quass.
Lugan	30.04	763.1	30.25	768.3	52.5	11.4	26	ene.	22	10			8			0	0		Meteorological Obs'y.
Moscow	30.02	762.4	30.51	775.0	44.2	6.8	52	s.	7	3		0	0			0	0		Meteorological Obs'y.
Nertschinsk	27.46	697.4	29.74	755.3	44.2	6.8	29	calm	0	0			0			0	0		
Nikolaiev	30.13	765.3	30.20	767.1	56.8	13.8	61	se.	22	10		0	7 kn			0	0		Capt. Kurdakow.

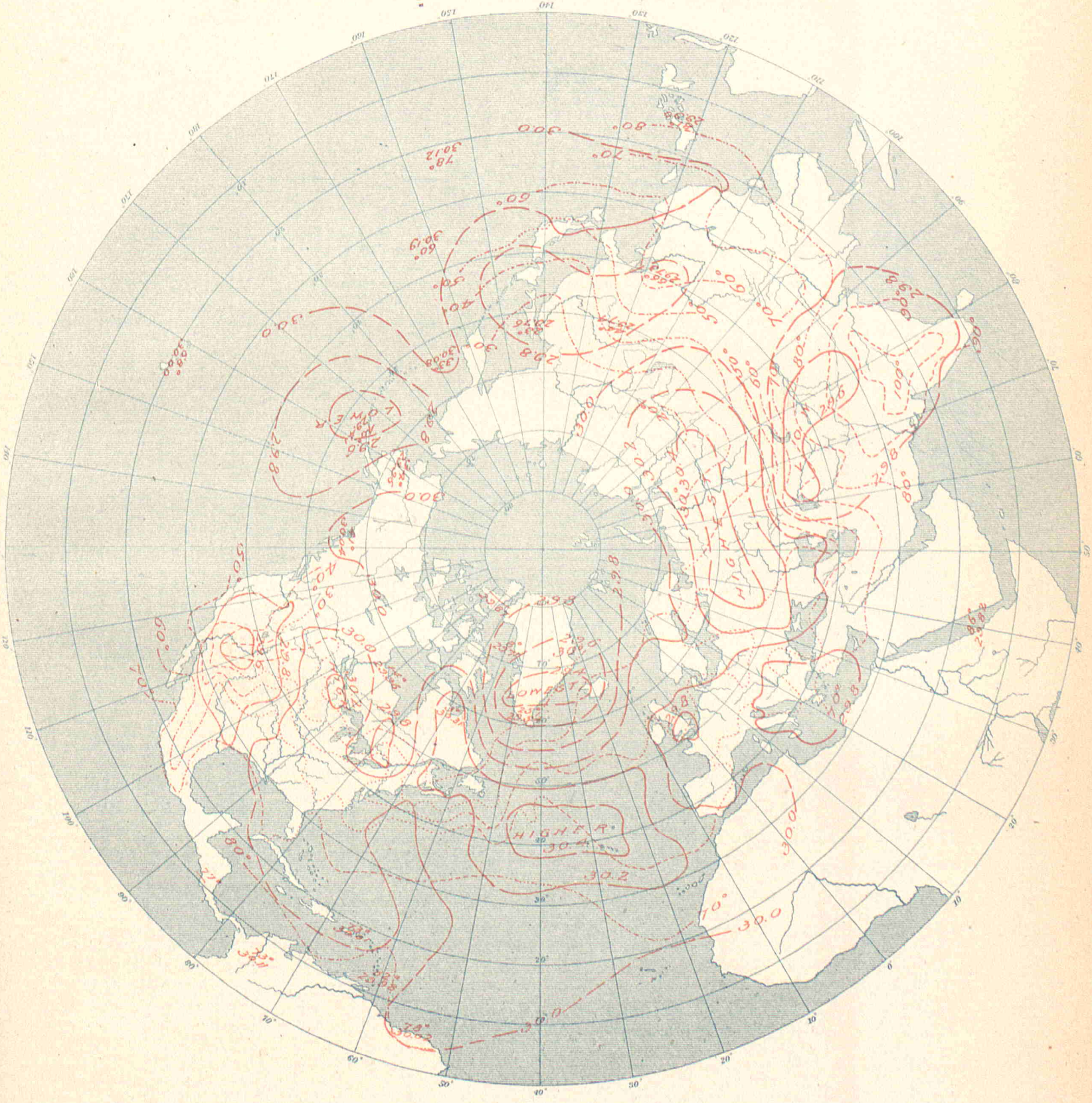
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaiewsk-on-the-Amoor.	29.67	753.6	29.76	755.8	22.6	— 5.2	88	calm	0	0		0	1 s						Iwanow.
Pekin, China	29.59	751.6	29.73	755.2	66.2	19.0	23	sw.	7.8	3.5		0	0			0	0		Siang.
Petro-Alexandrovsk	29.29	744.0	29.62	752.4	77.4	25.2	48	se.	1.1	0.5			10 ks						Walter.
Petrozavodsk	30.04	762.9	30.23	767.9	52.3	11.3	40	sw.	22	10		0	3 ks			0	0		Dr. Bergmann.
Pinsk	29.64	752.9	30.15	765.7	47.5	8.6	78	se.	31	14			10 s			0	0		
Poti	30.02	762.5	30.05	763.3	56.5	13.6	96	sw.	7	3			4 ks			1.059	26.9	raining	
St. Petersburg	30.24	768.2	30.27	768.8	52.9	11.6	34	s.	16	7		0	0			0	0		Central Physical Obs'y.
Samarkand	27.31	693.7	29.67	753.6	72.7	22.6	49	sw.	7.8	3.5		0	5 k						Dresch.
Semipalatinsk	29.52	749.9	30.21	767.2	38.7	3.7	45	ne.	38	17			7			0	0		Major Lasarew
Sevastopol	29.84	757.8	30.05	763.2	59.4	15.2	67	wnw.	20	9		0	2 s			0	0		
Staroi Bykhov	29.74	755.3	30.30	769.5	53.6	12.0	37	se.	20	9		0	1 k			0	0	light clouds	Carl Hagen.
Tashkend, Laboratory	28.11	714.1	29.69	754.2	77.4	25.2	57	calm	0	0			9 kn						Terch, A. M.
Tiflis	28.50	723 9	29.90	759.4	60.1	15.6	48	wnw.	31	14		4 ck	0			0	0		Physical Observatory
Vernoe	27 16	689.9	29.51	749.5	78.1	25.6	47	calm	0	0		0	8 k						Larionow.
Viatka	29.80	757.0	30.45	773.5	43.2	6.2	40	calm	0	0			0			0	0		
Vladivostock	29.74	755.3	29.80	757.0	35.8	2.1	81	nw.	13	6			0			0.016	0.4		
Warsaw	29.55	750.6	29.98	761.5	47.5	8.6	79	e.	13	6			10 ks						Astronomical Obs'y.
Yeniseisk	30.08	764.0	30.39	771.9	20.3	— 6.5	57	w.	7	3			3			blank	blank		M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.89	759.2	30.42	772.7	44.7	7.1	51	s.	8.6	3.8		0	0			0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.81	757.1	29.92	759.9	61.0	16.1	67	s.	5.4	2.4		0	1			0	0	clear	B. Jelin.
Bilbao, Met. Obs'y	29.79	756.6	29.85	758.1	57.7	14.3	70	se.	1.8	0.8			10			0.134	3.4	covered	Angel de Uralde.
Burgos, Met. Obs'y	26.91	683 5	29.91	760.4	43.3	6.3	92	w.	9.8	4.4			10			0.079	2.0	covered	Domingo Martin.
Madrid, Royal Obs'y	27.69	703.4	29.94	760.4	53.1	11.7	65	sw.	20.4	9.1			9			0	0	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.79	756 6	29.90	759.4	61.2	16.2	59	s.	3.8	1.7		5	5	ne.		0	0	covered	Olayo Diaz, Director.
Santiago, Met. Obs'y	28.98	736.0	29.88	758.9	51.8	11.0	68	nw.	9.8	4.4			9			0.157	4.0	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.08	763.9	30.14	765 6	69.5	20.8	72	ese.	4.9	2.2		0	8			0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.85	758.1	29.90	759.5	81.0	27.2	63	e.	6.8	3.9		0	8			0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	30.00	761.9	30.10	764.4	60.1	15.6	68	w.	11.0	4.9		2	4	w.	w.	0.035	0.9		Capt. C. Pujazon, R. N
San Juan de Porto Rico, W.I.	29.92	759.9	30.01	762 2	72.7	22.6	94	calm	0	0		5 s	3 n			1.681	42.7	cloudy	Enrique Gaden, Chf Eng
Swedish.																			
Hapsranda	29.93	760.1	29.97	761.1	35.6	2.0	96	s.			4		10			0.063	1.6		
Umea	29.93	760.1	29.98	761.4	46.8	8.2	65	sw.			4		1			0	0		
Hernosand	29.92	760.0	29.97	761 3	49.3	9.6	56	sw.			4		7			0	0		
Stockholm	29.90	759.4	30.08	763.9	51.4	10.8	41	s.			2		10			0	0		
Wisby	29.98	761.4	30.04	762.9	41.0	5.0	84	nw.			6		3			0	0		
Sub-series.																			
Upsala	29.95	760.8	30.04	763.0	50.9	10.5	53	wnw.	7.8	3.5			8		sw.	0.004	0.1		H.H.Hildebrandsesson
Swiss																			
Geneva	28.47	723.2	29.91	759.6	53.8	12.1	46	nw.			1		2			0	0	clear	The Observatory.
Turkish.																			
Constantinople			29.86	758.4	55.6	13.1	70	n.	14	6.5			10		n.	0.079	2.0		The Observatory.
Valona			29.76?	754.3?	56.8	13.8		s.			2		10			0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria			29.88	758.9	68.9	20.5	84	ne.			2	10 cs	0	nw.		0	0		F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.94	760.5	30.02	762.5	50	10.0	58	sw.	13	5.8			10 s		w.	inap.	inap.	cloudy	J. O. Barnes.
Alpena, Michigan	29.28	743.7	29.97	761.2	33.2	0.7	68	w.	19	8.5			10 ks		w.	0.03	0.8	cloudy	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.73	628.1	29.65	753.1	36.0	2.2	92	sw.	14	6.3			10 n			0.05	1.3	light snow	J. B. Turton.
Assinnaboine, Ft., Montana	27.13	689.1	30.04	763.0	23.0	— 5.0	90	e.	3	1.3		0	0			0	0	clear	J. J. O'Connor.
Atlanta, Georgia	28.97	735.8	30.16	766.1	63.2	17.3	76	e.	3	1.3		5cs; bz	0	w.		0	0	fair	S. W. Beall.
Atlantic City, New Jersey	30.10	764.5	30.11	764.8	48.4	9.1	77	e.	4	1.8		0	0			0	0	clear	B. A. Blundon.
Augusta, Georgia	29.94	760.5	30.13	765.3	59.6	15.3	70	s.	3	1.3		0	0			0	0	clear	W. J. Evans.
Baltimore, Maryland	30.06	763.5	30.11	764.8	55.7	13.2	77	se.	4	1.8		hz.	0			0	0	clear	Geo. W. Felger.
Barnegat City, New Jersey	30.10	764.5	30.12	765.0	49.4	9.7	83	se.	4	1.8		4 ck	0	w.		0	0	fair	J. P. Sherry.
Bennett, Fort, Dakota	28.38	720.8	30.02	762.5	37.0	2.8	92	ne.	16	7.2			10 s		ne.	0.31	7.9	threatening.	A. Pritchard.
Benton, Fort, Montana	27.16	689.9	30.02	762.5	23.5	— 4.7	74	calm	0	0		0	6 s		nw.	0.05	1.3	fair	C. S. Bennett.
Bismarck, Dakota	28.24	717.3	30.12	765 0	34.2	1.2	81	se.	1	0.4			10 n			0.10	2.5	heavy snow	B. O. Lenoir.
Block Island, Rhode Island	30.13	765.3	30.16	766.1	41.7	5.4	94	e.	7	3.1			10 s		e.	0	0	cloudy	J. T. Elker.
Boise City, Idaho	26.83	681.5	29.67	753.6	42.7	5.9	80	se.	9	4.0		0	7 s		se.	0.03	0.8	fair	James Kenealy.
Boston, Massachusetts	30.00	762.0	30.16	766.1	42.8	6.0	87	e.	7	3.1		3 ck	hz.			0	0	clear	O. B. Cole.
Brownsville, Texas	29.86	758.4	29.92	760.0	72.0	22.2	97	n.	9	4.0			10 n		n.	inap.	inap.	thund'r st'm	John McGlone.
Buffalo, New York	29.17	740.9	29.94	760.5	39.4?	4.1?	86	sw.	21	9.4		0	9 s		sw.	inap.	inap.	cloudy	D. Cuthbertson.
Buford, Fort, Dakota	28.00	711.2	30.10	764.5	32.8	0.4	84	ne.	6	2.7			10 n		ne.	0.02	0.5	light snow	A. Schneider.
Cairo, Illinois	29.70	754.4	30.11	764.8	61.0	16.1	62	se.	8	3.6			10 s			0	0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter.	29.77	756.1	29.97	761 2	47.5	8.6	82	w.	5	2.2		0	0			0	0	clear	J. H. Young.
Cape Henry, Virginia	30.10	764.5	30.12	765.0	53.0	11.7	72	s.	6	2.7		6 c	0			0	0	fair	A. K. Alderson.
Cape May, New Jersey	30.08	764.0	30.12	765.0	50.0	10.0	80	se.	9	4.0		5 cs	0	e.		0	0	fair	W. E. Smith.
Cape Mendocino, California	29.22	742.2	29.91	759.7	45.3	7.4	94	nw.	40	17.9			10 n; fg			0.08	2.0	light rain	A. P. Leavitt.
Cedar Keys, Florida	30.18	766.6	30.20	767.1	67.0	19.4	73	s.	9	4.0		0	2 k		sw.	0	0	clear	G. W. Davis.
Charleston, S. Carolina	30.05	763.3	30.11	764.8	65.0	18.3	70	sw.	6	2.7		3 ck	0	sw.		0	0	clear	J. H. Smith.
Charlotte, N. Carolina	29.23	742.4	30.09	764.3	58.9	14.9	75	se.	2	0.9		5 cs	fg.	w.		0	0	fair	D. O'Donoghue.
Chattanooga, Tennessee	29.28	743.7	30.10	764.5	59.0	15.0	93	n.	12	5.4			10 c		sw.	0.35	8.9	thund'r st'm	B. L. Goulding.
Cheyenne, Wyoming	23.75	603.2	29.77	756.1	35.2	1.8	88	n.	5	2.2			10 s			0	0	cloudy	E. McGovern.
Chicago, Illinois	29.39	746.5	30.12	765.0	44.0	6.7	81	w.	6	2.7		0	0			0	0	clear	T. B. Jennings.
Chincoteague, Virginia	30.10	764.5	30.12	765 0	53.7	12.1	81	s.	1	0.4		0	hz.			0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.48	748.8	30.14	765.5	54.8	12.7	75	se.	3	1.3		3 c	0	w.		0.26	6.6	clear	L. Dunne.
Cleveland, Ohio	29.30	744.2	30.06	763.5	51.1	10.6	66	w.	10	4.5		1 c	sk.		w.	0.06	1.5	clear	W. Line.
Columbus, Ohio	29.25	742.9	30.12	765.0	51.6	10.9	76	s.	5	2.2		0	0			0.05	1.3	clear	F. T. Williams
Concho, Fort, Texas	27.85	707.4	29.79	756.7	67.7	19.8	84	e.	3	1.3		0	7 k		s.	0	0	fair	C. E. King.
Custer, Fort, Montana	26.77	679.9	29.95	760.7	31.9	— 0.1	71	ne.	6	2.7			10 s			0.02	0.5	cloudy	W. J. Daily.
Davenport, Iowa	29.42	747.3	30.09	764.3	45.0	7.2	65	n.	2	0.9		1 cs	hz.			0	0	clear	K. R. Martin.
Davis, Fort, Texas	24.97	634.2	29.75	755.6	50.0	10.0	74	sw.	12	5.4		0	0			0	0	clear	J. Williams.
Dayton, Washington T'y	28.01	711.4	29.77	756.1	35.6	2.0	77	e.	4	1.8		0	0			0	0	clear	H. S. Blandford.
Deadwood, Dakota	25.24	641 1	29.93	760.2	33.2	0.7	91	ne.	4	1.8			10 n			0.36	9.1	light snow	G. Kingsbury.
Delaware Breakwater, Del	30.11	764.8	30.13	765.3	48.4	9.1	85	ne.	8	3.6		0	3 k		ne.	0	0	clear	G. A. Martin.
Denver, Colorado	24.44	620.8	29.71	754.6	45.2	7.3	53	w.	4	1.8			9 s		w.	0	0	cloudy	F. M. Neal.
Des Moines, Iowa	29.16	740.7	30.09	764 3	41	5.0	73	e.	5	2.2		5 cs	0	w.		0	0	fair	F. W. Conrad.
Detroit, Michigan	29.32	744.7	30.05	763 3	47.1	8.4	77	sw.	10	4.5		0	0			inap.	inap.	clear	N. B. Conger.
Dodge City, Kansas	27.21	691.1	29.85	758.2	58	14.4	78	e.	12	5.4			10 s		e.	0	0	cloudy	J. E. Lamouette.
Dubuque, Iowa	29.40	746.7	30.13	765.3	41.2	5.1	73	nw.	2	0.9		0	0			0	0	clear	A. W. Browne.
Duluth, Minnesota	29.43	747.5	30.20	767.1	29.5	— 1.4	76	w.	2	0.9			10 s			0.39	9.9	cloudy	E. R. Brace.
Eastport, Maine	30.10	764.5	30.17	766.3	34.5	1.4	94	ne.	8	3.6			fg		ne.	0	0	dense fog	D. C. Murphy.
Elliott, Fort, Texas	27.03	686.5	29.81	757.2	55.4	13.0	100	e.	5	2.2			fg.			0	0	dense fog	J. C. Rickli.
El Paso, Texas	25.97	659.6	29.71	754.6	63.2	17.3	28	sw.	7	3.1		6 cs	0	sw.		0	0	fair	F. Belford.
Erie, Pennsylvania	29.27	743.4	30.02	762 5	50.5	10.3	65	w.	22	9.8		0	0			0.02	0.5	clear	P. Wood.
Escanaba, Michigan	29.37	746.0	30.06	763.5	30.6	— 0.8	82	nw.	12	5.4			10 ks		n.	0.11	2.8	cloudy	L. M. Pindell.
Fort Smith, Arkansas	29.51	749.5	29.99	761.7	62.0	16.7	87	e.	8	3.6			10 n			0.15	3.8	heavy rain	J. B. Campbell.
Galveston, Texas	29.89	759.2	29.93	760 2	71.3	21.8	92	s.	22	9.8		4 c	4 ks	w.	s.	0	0	cloudy	E. O'C. Macinerney
Grand Haven, Michigan	29.41	747.0	30.10	764 5	42.5	5.8	78	w.	11	4.9		0	9 s		w.	0	0	cloudy	Joseph E. Mueller.
Grant, Fort, Arizona	24.98	634.5	29.71	754.6	40.4	4.7	67	w.	15	6.7			10 n		w.	0.01	0.3	light rain	Chas. A. Read.
Hatteras, North Carolina	30.13	765.3	30.14	765.5	57.2	14.0	80	n.	2	0.9		6 c	hz.			0	0	fair	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Barometer. Corrected for instrumental error and for temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles p. hr.	Wind. Velocity. Mtrs. p. sec	Wind. Force. 0=10	Clouds. Amount and kind. Upper. 0=10	Clouds. Amount and kind. Lower. 0=10	Clouds. Direction. Upper. From.	Clouds. Direction. Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Rainfall or melted snow in the past 24 hours. Mill.	WEATHER.	OBSERVERS.
UNITED STATES.—Cont'd.																			
Helena, Montana	25.71	653.0	29.92	760 0	26.5	— 3.1	82	nw.	6	2.7	.....	0	8 s	.....	.....	0	0	cloudy	**S. W. Morrison.**
Huron, Dakota	28.64	727.4	30.09	764.3	35.2	1.8	82	e.	13	5.8	.....	.....	10 n	.....	.....	0.06	1.5	light rain	S. W. Glenn.
Indianapolis, Indiana	29.29	744.0	30.11	764.8	52.3	11.3	64	w.	2	0.9	.....	6 cs	sk.	w.	.....	0	0	fair	C. F. R. Wappenhans.
Indianola, Texas	29.79	756.7	29.82	757.4	71.7	22.1	88	s.	32	14.3	.....	.....	10 s	.....	.....	0	0	fair	I. A. Reed.
Jacksonville Florida	30.14	765.5	30.18	766.6	63.8	17.7	67	calm	0	0	.....	2 cs	sk.	.....	.....	inap.	inap.	clear	J. W. Smith.
Keokuk, Iowa	29.41	747.0	30.08	764.0	47.0	8.3	77	e.	3	1.3	.....	0	1 s	.....	.....	0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.14	765 5	30.16	766.1	72.3	22.4	58	e.	8	3.6	.....	3 k	2 s	se.	.....	0	0	fair	**J. Harvey Smith.**
Kittyhawk, North Carolina	30.12	765.0	30.14	765.5	52.2	11.2	87	s.	2	0.9	.....	2 c	hz.	s.	.....	0	0	clear	**Wesley Blake.**
Knoxville, Tennessee	29.11	739.4	30.15	765.8	58	14.4	95	ne.	1	0.4	.....	4 c	0	.....	.....	0	0	fair	J. A. Cody.
La Crosse, Wisconsin	29.37	744.7	30.12	765.0	40.0	4.4	73	n.	8	3.6	.....	0	0	.....	.....	0.63	16.0	clear	S. C. Emery.
Leavenworth, Kansas	29.14	740.1	30.04	763.0	55	12.8	62	e.	4	1.8	.....	.....	10 s	.....	se.	0.01	0.3	cloudy	**C. Dill.**
Lewiston, Idaho	28.98	736.1	29.83	757.7	38.4	3.6	77	ne.	2	0.9	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.72	754.9	30.04	763.0	63.5	17.5	93	s.	2	0.9	.....	.....	10 n	.....	s.	1.07	27.2	light rain	**W. U. Simons.**
Los Angeles, California	29.44	747.8	29.84	757.9	43.2	6.2	88	ne.	8	3.6	.....	0	0	.....	.....	0.07	1.8	clear	T. S. Collins.
Louisville, Kentucky	29.54	750.3	30.11	764.8	54.9	12.7	75	nw.	5	2.2	.....	4 c	sk.	s.	.....	0.30	7.6	fair	**E. B. Garriott.**
Lynchburg, Virginia	29.37	746.0	30.08	764.0	59.0	15.0	75	calm	0	0	.....	2 cs	sk.	.....	.....	0	0	clear	**Jno. Healy.**
Mackinaw City, Michigan	29.33	745.0	30.01	762.2	29.0	— 1.7	90	w	26	11.6	.....	.....	10 s	.....	w.	0.03	0.8	cloudy	D. B. Notson.
Macon, Fort, North Carolina	30.12	765.0	30.13	765.3	60.0	15.6	73	e.	4	1.8	.....	6 cs	0	w.	.....	0	0	fair	William Daly.
Maginnis, Fort, Montana	25.43	645.9	29.93	760.2	23.4	— 4.8	64	ne.	2	0.9	.....	.....	10 s	.....	.....	0.03	0.8	cloudy	F. Burgs.
Marquette, Michigan	29.33	745.0	30.08	764.0	27.3	— 2.6	79	nw.	19	8.5	.....	.....	10 s	.....	nw.	0.06	1.5	cloudy	**J. Gilligan.**
Memphis, Tennessee	29.77	756.1	30.11	764.8	63.0	17.2	93	e.	10	4.5	.....	.....	10 n	.....	.....	1.10	27.9	thund'r st'm	D. T. Flannery.
Milwaukee, Wisconsin	29.33	745.0	30.10	764.5	42.5	5.8	74	w.	3	1.3	.....	.....	sk.	.....	.....	0	0	clear	**S. W. Rhode.**
Mobile, Alabama	30.10	764.5	30.14	765.5	63.8	17.7	93	ne.	4	1.8	.....	7 c	3 k	w.	w.	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.92	760.0	30.15	765.8	66.0	18.9	83	s.	3	1.3	.....	0	0	.....	.....	0	0	clear	**S. M. Leitzell.**
Moorhead, Minnesota	29.13	739.9	30.16	766.1	30.0	— 1.1	73	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	**L. M. Dey.**
Mt. Washington, N. H.	23.82	605.0	30.23	767.8	35.4	1.9	77	w.	18	8.0	.....	0	hz.	.....	.....	0	0	clear	**E. A. Beals.**
Nashville, Tennessee	29.52	749.8	30.10	764.5	61.3	16.3	90	se.	3	1.3	.....	.....	10 ks	.....	w.	0.14	3.6	cloudy	L. N. Jesunofsky
New Haven, Connecticut	30.03	762.7	30.15	765.8	42.2	5.7	68	se.	4	1.8	.....	8c;ck	0	w.	.....	0	0	cloudy	J. H. Sherman.
New London, Connecticut	30.11	764.8	30.16	766.1	43.5	6.4	44	calm	0	0	.....	3 c	0	sw.	.....	0	0	clear	J. G. Lynch.
New Orleans, Louisiana	30.02	762.5	30.08	761.0	69.2	20.7	89	s.	4	1.8	.....	2 cs	7 ks	.....	s.	0	0	cloudy	**M. Hernau.**
New York, New York	29.98	761.5	30.16	766.1	44.6	7.0	78	se	3	1.3	.....	0	3s;fg	.....	.....	0	0	clear	**W. Finn.**
Norfolk, Virginia	30.07	763.8	30.10	764.5	54.8	12.7	64	s.	6	2.7	.....	8 cs	0	nw.	.....	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	26.84	681.7	29.80	756.9	54.6	12.6	73	se.	40	17.9	.....	0	7 s	.....	.....	0	0	fair	**E. F. Brady.**
Olympia, Washington T'y	29.88	758.9	29.92	760.0	45.0	7.2	93	calm	0	0	.....	.....	10 s	.....	.....	0	0	cloudy	J. Dascomb
Omaha, Nebraska	28.82	732.0	30.03	762.7	48.2	9.0	84	se.	8	3.6	.....	10 cs	0	e.	.....	0	0	cloudy	A. Pollak
Oswego, New York	29.55	750.6	29.89	759.2	61.3	16.3	53	s.	7	3.1	.....	0	4 k;hz	.....	sw.	0	0	fair	J. G. Linsley.
Palestine, Texas	29.43	747.5	29.99	761.7	66.2	19.0	93	ne.	9	4.0	.....	.....	10 s	.....	ne.	inap.	inap.	cloudy	**P. T. Jenkins.**
Pensacola, Florida	30.12	765.0	30.14	765.5	63.1	17.3	94	e.	4	1.8	.....	2 cs	0	w.	.....	0	0	clear	M. McGauran.
Philadelphia, Pa	30.02	762.5	30.14	765.5	47.6	8.7	88	se.	3	1.3	.....	3 ck	hz.	nw.	.....	0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.53	445.3	29.81	757.2	11.0	—11.7	73	sw.	36	16.1	.....	.....	10 s	.....	.....	inap.	inap.	cloudy	H. Hall.
Pittsburg, Pennsylvania	29.25	742.9	30.08	764.0	58.2	14.6	58	w.	9	4.0	.....	0	0	.....	.....	0.05	1.3	clear	**O. D. Stewart.**
Poplar River, Montana	.....	.....	.....	.....	31.1	— 0.5	89	.....	.....	.....	.....	.....	10 ks	.....	.....	inap.	inap.	cloudy	**Geo. A. Carden.**
Port Huron, Michigan	29.29	744.0	29.99	761.7	44.0	6.7	76	w.	10	4.5	.....	2 c	4 k	.....	w.	0.29	7.4	fair	M. H. Perry
Portland, Maine	30.10	764.5	30.15	765.8	42.8	6.0	76	e.	4	1.8	.....	.....	10 s	.....	ne.	0	0	cloudy	W. W. Eichelberger.
Portland, Oregon	29.85	758.2	29.92	760.0	50.5	10.3	70	w.	4	1.8	.....	.....	10 s	.....	.....	0.16	4.1	cloudy	M. L. Hearne.
Prescott, Arizona	24.31	617.5	29.58	751.3	29.0	— 1 7	96	s.	7	3.1	.....	.....	10 n	.....	.....	0.34	8.6	light snow	**J. Glover.**
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. N. Kitchel.
Red Bluff, California	29.46	748.3	29.82	757.4	42.5	5.8	94	nw.	4	1.8	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.62	752.3	29.86	758.4	71.2	21.8	78	se.	12	5.4	.....	0	4 n	.....	w.	0.18	4.6	light rain	L. G. Schultz.
Rochester, N. Y	29.24	742.7	29.93	760.2	53.3	11.8	56	w	25	11.2	.....	0	7k;hz	.....	w.	0	0	fair	E. W. McGann.
Roseburg, Oregon	29.41	747.0	29.97	761.2	47	8.3	80	nw.	1	0.4	.....	.....	10 s	.....	w.	0.06	1.5	threatening	J. J. Nanry.
Sacramento, California	29.74	755.4	29.81	757.2	46.5	8.1	87	se.	4	1.8	.....	0	3 s	.....	sw.	0.07	1.8	clear	J. A. Barwick
St. Louis, Missouri	29.50	749.3	30.12	765.0	58.0	14.4	67	se.	7	3.1	.....	.....	10s;ks	.....	se.	0	0	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.92	760.0	29.96	761.0	34	1.1	89	se.	0	2.7	.....	.....	5 ks	.....	s.	0	0	fair	**Fred. H. Clarke.**
St. Paul, Minnesota	29.28	743.7	30.16	766.1	30.9	2.7	65	n.	3	1.3	.....	6 ck	3 k	w.	.....	0.27	6.9	cloudy	P. F Lyons.
St. Vincent, Minnesota	29.31	744.5	30.22	767.6	29.5	— 1.4	75	n.	4	1.8	.....	0	0	.....	.....	0	0	clear	C. B. Dilley.
Salt Lake City, Utah	25.25	641.3	29.62	752.3	39.0	3.9	71	calm	0	0	.....	.....	10 ks	.....	.....	0.14	3.6	cloudy	J. Craig.
San Diego, California	29.76	755.9	29.83	757.7	46.7	8.2	91	e.	5	2.2	.....	0	1 k	.....	w.	0.81	20.6	clear	F. R. Day.
Sandusky, Ohio	29.36	745.7	30.06	763.5	52	11.1	66	w.	12	5.4	.....	0	hz.	.....	.....	0.04	1.0	clear	**B. F. Hough.**
Sandy Hook, New Jersey	30.14	765.5	30.17	766.3	47.5	8.6	77	se.	8	3.6	.....	0	5 k	.....	se.	0	0	fair	**V. P. Chappel.**
Sanford, Florida	30.13	765.3	30.18	766.6	65.0	18.3	84	sw.	10	4.5	.....	0	fg.	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.75	755.6	29.82	757.4	50.0	10.0	87	nw.	3	1.3	.....	2 cs	0	nw.	.....	0	0	clear	N. Gorom.
Savannah, Georgia	30.05	763.3	30.14	765.5	65.2	18.4	62	sw.	8	3.6	.....	2 ck	hz.	sw.	.....	0	0	clear	**H. W. Ford.**
Shaw, Fort, Montana	26.29	667.8	29.96	761.0	26	— 3.3	88	e.	3	1.3	.....	0	4 k	.....	.....	0	0	fair	**A. L. Mathews.**
Shreveport, Louisiana	29.84	757.9	30.08	764.0	64.7	18.2	88	ne.	11	4.9	.....	.....	10 n	.....	ne.	0.15	3.8	light rain	E. N. Meekins.
Sitka, Alaska	29.97	761.2	30.04	763.0	41.4	5.2	77	e.	3	1.3	.....	0	4 k	.....	e.	0.26	6.6	fair	F. W. Fickett.
Smithville, North Carolina	30.08	764.0	30.12	765.0	62.3	16.8	92	s.	11	4.9	.....	5 cs	0	.....	.....	inap.	inap.	fair	O. Parker.
Spokane Falls, Wash. Ter.	27.71	703.8	29.77	756.1	34.8	1.6	85	calm	0	0	.....	0	0	.....	.....	0	0	clear	**D. Moore.**
Springfield, Illinois	29.46	748.3	30.10	766.1	51.9	11.1	58	se.	5	2.2	.....	6 cs	0	se.	.....	0	0	fair	W. Norrington.
Stockton, Fort, Texas	26.73	678.9	29.76	755.9	62.7	17.1	88	se.	12	5.4	.....	0	0	.....	.....	0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.80	756.9	29.89	759.2	49.3	9.6	91	se.	12	5.4	.....	.....	10 ks	.....	se.	0	0	cloudy	R. Connor.
Thomas, Camp, Arizona	27.04	686.8	29.77	756.1	41	5.0	88	w.	.....	.....	1	0	9 s	.....	w.	0.05	1.3	cloudy	R. C. Lord.
Toledo, Ohio	29.35	745.5	30.00	763.5	52.8	11.6	62	w.	10	4.5	.....	0	0	.....	.....	inap.	inap.	clear	A. Buell.
Unalashka, Alaska	29.39	746.5	29.41	747.0	40	4.4	82	se.	16	7.2	.....	.....	10 n	.....	.....	1.31	33.3	light rain	Samuel Applegate.
Vicksburg, Mississippi	29.85	758.2	30.11	764.8	66.4	19.1	91	se.	4	1.8	.....	.....	10 s	.....	w.	0	0	cloudy	**F. W. Mixer.**
Washington, D. C.	29.99	761.7	30.11	764.8	55.8	13.2	70	s.	2	0.9	.....	2 cs	hz.	.....	.....	0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.71	653.0	29.66	753.4	53	11.7	66	se.	12	5.4	.....	10 cs	0	s.	.....	0	0	cloudy	F. H. Brandenburg.
Wilmington, N Carolina	30.06	763.5	30.12	765.0	61.5	16.4	85	s.	3	1.3	.....	3 cs	2 s	.....	.....	0	0	fair	**L. H. Albrecht.**
Yankton, Dakota	28.69	728.7	30.03	762.7	38.3	3.5	85	e.	19	8.5	.....	.....	10 s	.....	e.	0	0	cloudy	E. H. Thompson.
Yuma, Arizona	29.64	752.8	29.79	756.7	46.9	8.3	78	s.	6	2.7	.....	0	1 s	.....	nw.	0.07	1.8	clear	W. S Delano.
Sub-series.																			
Behringsland, Kamchatka	30.06	763.5	30.08	764.0	32.8	0.4	.....	e.	11	4.9	.....	.....	10 n	.....	e.	0.03	0.8	cloudy	George Oherulck.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	78	25.6	.....	n.	.....	.....	3	1 c	4 k	.....	n.	0	0	fair	W. F. Jackson.
Bogota, U. S. C.	22.06	560.3	.....	.....	53.6	12.0	90	calm	0	0	.....	.....	8 pk	.....	e.	0.720	18.3	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.16	766.1	30.31	769.9	3	—16.1	100	calm	.....	.....	.....	0	3 c	0	sw.	0.03	0.8	clear	**L. M. Turner.**
Kingston, Jamaica, W. I.	.....	.....	30.01	762.2	79	26.1	63	n.	2	0.9	.....	.....	0 s	.....	.....	0	0	fine	Robert Johnstone
Paramaribo, S. A.	30.02	762.5	30.02	762.5	78	25.6	86	e.	...	.....	.....	2	5 ck	5 k	e.	e.	0	0	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.55	750.6	30.11	764.8	73	22.8	94	s.	.....	.....	.....	1	.....	10 k	.....	calm	1.40	35.6	cloudy	Francisco J. Olsenerus
Rivas, Nicaragua, C. A.	29.96	761.0	30.12	765.0	76.5	24.7	85	ne.	.....	.....	.....	1	3 cs	.....	e.	.....	0	0	clear	Earl Flint.
York Factory, B. A.	29.90	759.4	29.96	761.0	13.5	—10.3	91	nw.	13	5.8	.....	4 k	2 s	w.	nw.	0	0	cloudy	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, N. 29° 50′, W. 74° 15′ *	30.08	764.0	65	18.3		n.			6		6		n.	o	o	r'gh	nnw.	
S. S. Anchoria, N. 53° 58′, W. 18° 51′						ssw.			3		10		ssw.	o	o	light	w.	cloudy.
S. S. Assyrian Monarch, N. 48° 18′, W. 26° 15′			61	16.1		wsw.			4		8		wnw.	o	o	mod	nw.	cloudy.
S. S. Bohemia, N. 41° 35′, W. 41° 37′						s.			3-4		7		s.	o	o	mod.	s.	fair.
S. S. Bothnia, N. 40° 44′, W. 65° 34′	29.97	761.2			90	nnw.			2		2		nnw.	5 h'r	5 h'r	mod.	nw.	clear
S. S. City of Washington, N. 30° 30′, W. 79° 45′ *†	30.20	767.1	75	23.9		n.			3		2		n.	o	o	h'vy	ne.	clear.
Bk. C. S. Bushnell, N. 42° 50′, W. 63° 03′	30.05	763.3				ne.			4		2		ene.	o	o	r'gh	ne.	foggy
S. S. Circassian, N. 45° 28′, W 57° 10′	30.16	766.1	36	2.2	100	ene.			4		10		ene.			3	ene.	overcast
S. S. Clenfuegos, Nassau, Bahamas	30.18	766.6	73	22.8		nne.			1		1		ne.	o	o			clear.
S. S. Canada, (Fr) N. 40° 40′, W. 65° 45′	30.07	763.8	69.8	21.		e.			2		5 k		e.			r'gh	nw.	fair.
S. S. Denmark, N. 40° 37′, W. 55° 43′†	30.09	764.3	64	17.8	94	sse.			5		10		se.	6 h'r	6 h'r	mod.	sse.	rainy.
S. S. Elbe, N. 49° 19′, W. 4° 18′			51.8	11.0		nw.			4		6		nw.	5 h'r	5 h'r	mod.	nw.	fair.
S. S. Gellert, N. 40° 18′, W. 51° 17′			63	17.2		s.			4		2		s.	o	o	mod	s.	clear.
S. S. Gallia, N. 47° 12′, W. 38° 56′	30.34	770.6	64	17.8		sw.			4		10			o	o	sm'h		overcast.
S. S. Holland, N. 41° 29′, W 56° 41′			68?	20.0?		sse.			4		10		s.	7 h'r	7 h'r	mod.	nnw.	cloudy.
S. S. Helvetia, N. 45° 45′, W. 37° 04′	30.40	772.1			?	wsw.			3		2		wsw.	o	o	sm'h		clear.
Bg. L. & W. Armstrong, N. 33° 38′, W. 68° 20′						nnw.			3		3		nnw.	½h'r	½h'r	mod.	nnw.	rainy.
S. S. Lone Star, N. 26° 48′, W. 88° 07′†	29.98	761.5	76	24.4		ese.			5		0			o	o	large	ese.	clear.
S. S. Llandaff City, N. 42° 56′, W. 37° 57′			65	18.3		sse.			5		8		sse.	o	o	sm'h		cloudy.
S. S. Madrid, N. 45° 07′, W. 44° 09′†	30.51	774.9	62	16.7	88	sw.			4		7		sw.	o	o	sm	sw.	fair.
S. S. Main, N. 48° 59′, W. 15° 13′	30.22	767.6	53.6	12.		n.			4		3		n.	o	o	mod.	n.	clear.
S. S. Nessmore, Liverpool, Eng	29.82	757.4	49	9.4	93	nw.			2		2?		nw.	6 h'r	6 h'r			cloudy.?
S. S. Republic, N. 41° 34′, W. 48° 39′†	30.33	770.4	52	11.1		sse.			4		8		se.	8 h'r	8 h'r	long	var.	hazy.
S. S. Rosse, N. 46° 20′, W. 26° 05′	30.39	771.9	58	14.4	76	w.			4		10		var.	o	o	long	nnw.	overcast.
S. S. Rhaetia, N. 40° 50′, W. 65° 47′	29.98	761.5	42	5.6		ne.			4		10		ne.	5 h'r	5 h'r	mod.	ne.	foggy.
S. S. State of Nebraska, N 42° 06′, W. 61° 10′ *†	30.16	766.1	41	5.0		nne.			2		6		nw.	o	o	sm'h		foggy.
S. S. State of Georgia, N. 41° 48′, W. 52° 44′†	30.23	767.8	53	11.7		sse			3		5		se	o	o	light	var.	hazy.
Bk. Tuck Sing, N. 37° 23′, W. 72° 50′*†	30.11	764.8				ene.			2		0			o	o	long	ene.	clear.
S. S. The Queen, N. 40° 37′, W. 65° 52′	30.05	763.3	59	15.0		ene.			6		8?		e.	1 h'r	1 h'r	mod.	ne.	clear.?
S. S. Valencia, Curacoa, W. I †...	29.96	761.0	80	26.7	91	ne.			3		9		ne.	2 h'r	2 h'r			light rain.
S. S. Wieland, N. 44° 01′, W. 44° 58′			60	15 6		ssw.			3		2		ssw.	o	o	r'gh	ssw.	fair.
S. S. Weser, N. 37° 48′, W. 68° 30′	29.92	760.0	64.4	18.0		ene.			5		8		ne.	o	o	6	ne.	cloudy.
S. S. Westernland, N. 40° 38′, W. 64° 27′	30.00	762.0			82	nne.			5		5		nne.	3 h'r	3 h'r	mod.	ne.	fair.
Schr. Adda Doane, Port Antonio, Jamaica, W. I.						ne.			3		3		ne.	o	o			clear.
S. S. America, off Portland, Eng *	29.79	756.7	52	11.1		nw.			2		3		sw.	o	o	sm'h		clear.
S. S. Andes, N. 17° 40′, W. 74° 35′						ne.			2		1		ne.			sm'h		clear.
Bg. Belle of Bay, N. 25° 08′, W. 77° 50′						ne.			5		3		ne.	o	o	mod.	ne.	clear.
S. S. British Princess, N. 46° 00′, W. 35° 30′†	30.43	772.9				sw.			2		6		sw.	o	o	mod.	w.	fair.
S. S. Caracas, N. 24° 52′ W. 69° 13′ *†	30.10	764 5	74.8	23.6	70	nnw.			6		8		nnw.	o	o	mod.	nnw.	fine.
S. S City of Merida, N. 21° 17′, W. 89° 40′			78.8	26		e.			4		0					light	e.	clear.
S. S. Devonia, N. 53° 59′, W. 22° 00′ †.	30.01	762.2	49	9.4		sw.			4		10		wsw.	1 h'r	1 h'r	mod	wsw.	cloudy.
S. S. Elysia, N. 55° 21′, W. 7° 49′ *	30.00	762.0	51	10.6		ene.			2		2			o	o	sm'h		clear.
S. S. Erin, N. 49° 19′, W. 11° 51′	30.10	764.5	50	10.0		n.			6		4		n.	4 h'r	4 h'r	long	naw	squally.
S. S. England, N. 46° 08′, W. 34° 09						w.			4		5		w.	o	o	mod.	w.	fair.
S. S. Germanic, N. 47° 44′, W. 31° 44′ *†	30.37	771.4	55	12.8	74	wsw.			4		6		sw.	1 h'r	1 h'r	light	wsw.	fair.
S. S. Grecian, Glasgow, Scotland	29.99	761.7	49	9.4	78	se.			4		3?		se.	o	o			cloudy.?
S. S. Habsburg, N. 49° 27′, W. 25° 42′						w.			6		9		wnw.	o	o	long	w	overcast.
S. S Italy, N. 47° 32′, W. 27° 41′*	30.32	770.1	60	15.6	94	wsw.			4		10		wsw.	o	o	sm'h	nnw.	overcast.
Bg. Lilian, N. 12° 25′, W. 60° 00′ †	29.98	761.5				ene.			3		1			¼ h'r	¼ h'r	sm'h	e.	fair.
S. S. Labrador, N. 45° 40′, W. 44° 18′			59.0	15.0		sw.			4		3		sw.			sm'h	w.	clear.
S. S. Neckar, N. 40° 56′, W. 52° 40′	30.20	767.1	64.4	18.0		s.			6		4		s.	o	o	r'gh	s.	cloudy.
S. S. New York, N. 24° 24′, W. 82° 30′*†	30.15	765.8	75	23.9		e.			4		8		e.			sm'h		clear.
S. S. Pennsylvania, N. 50° 56′, W. 15° 45′			50	10.0	72	wnw.			5		3		nw.	1 h'r	1 h'r	mod.	w.	fine.
S. S. Prussian, N. 50° 36′, W. 27° 20′	30.15	765.8	54	12.2		sw.			5		5			4 h'r	4 h'r	mod	w.	rain & fog.
S. S. Pavonia, N. 47° 12′, W. 37° 08′	30.36	771.1	60	15.6		sw.			5		10			o	o	mod.	wsw.	overcast.
U. S. S. Galena, N. 18° 47′, W. 81° 24′ *	29.99	761.7	79	26.1	66	ne.			1		2		n;e.			r'gh	ne.	fair.
U. S. S. Jamestown, N. 17° 20′, W. 63° 13′	30.03	762.7	79	26.1	74	ne.			1		8		ne.			sm'h		fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.80	756.9	69	20.6	80	wsw.			2		10		calm					cloudy.
U. S. S. Lancaster, Smyrna, Turkey	29.68	753.9	70	21.1	95	calm			0		10					sm'h		rain squalls.
U. S. S. New Hampshire, Newport, R. I.	30.12	765.0	40	4.4	39	e.			1		10							cloudy.
U. S. S. Pensacola, N. 20° 16′, W. 61° 04′†	30.04	763.0	76	24.4	77	ssw.			3		5		ssw.	0.03	0.8	sm'h		fair.
U. S. S. Portsmouth, N. 40° 54′, W. 71° 29′			41	5.0	91	ene.			3		10		ene.			sm'h		cloudy.
U. S. S. Powhatan, Newport, R. I	30.15	765.8	40	4.4	100	ene.			2		10		ene.					cloudy
U. S. S. Quinnebaug, Smyrna, Turkey	29.71	754.6	68	20.0	79	sse.			1		10		w.			sm'h		cloudy.
U. S. S. Saratoga, N. 36° 49′, W. 11° 58′	30.12	765.0	56	13.3	87	nnw.			5		2		nnw.	light	light	sm'h		fair.
U. S. S. Swatara, Matanzas, Cuba, W. I.	30.13	765.3	73	22.8	85	ene.			3		2		ene.	o	o	sm'h		clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I.	30.13	765.3	70	21.1	61	e.			3		0							clear.
U. S. S. Yantic, Turtle Harbor, Fla	30.21	767.3	72	22.2	67	e.			2		2							clear.
U. S. Navy Yard, Portsmouth, N. H*	30.13	765 3	42	5.6	91	ese.	3	1.3			0			o	o			d. clouds.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.77	756.1	65	18.3	73	wnw.			3		2		wnw.					d. clouds.
H. M. S. Alecto, N. 5° 06′, W. 1° 14′	29.89	759.2	89	31.7		sw.			1		7					3	s.	misty.
H. M. S. Minotaur, N. 36° 56′, E. 0° 44′			61	16.1	82	sw.			6		1		wsw.			2	w.	d clouds.
H. P. M. S. Douro, St Thomas, Gulf of Guinea	29.89	759.1	86.9	30.5	80	sse.			5		5		se.	o	o	4	se.	fine.
S. S. British Crown, N. 48° 16′, W. 27° 33′†			56	13.3		wsw.			5		6		w.	o	o	sli't	w.	fine.
S. S. British Prince, N. 39° 21′, W. 65° 42*	29.91	759.7	57.5	14.2	94	e.			4					o	o	r'gh	ne.	raining.
S. S. Scandinavian, N. 51° 38′, W. 26° 22′			52	11.1		ssw.			5		10		sw.	1 h'r	1 h'r	mod	sw.	light haze
S. S. Athos, Savanilla, U.S.C						ese.			3		8		ne.	o	o	mod	ne.	foggy.
S. S. Dorian, N. 40° 20′ W. 64° 42′	30.08	764.0	43	6.1		ne.			2		10		ne.	o	o	mod.	e.	clear
S. S. Westphalia, N. 40° 13′, W. 62° 07′			54	12.2		n.			6		1		n.	4 h'r	4 h'r	sm'h	n.	cloudy.
S. S. Moravia, N. 48° 27′, W. 25° 04′			46.4	8.0		var.			4		8		nw.	o	o	mod.	nw.	overcast.
S. S. Venetian, N. 42° 06′, W. 66° 40′*	30.06	763.5	37.1	2.8		ne.			6		10			o	o	4	ene.	fine.
S. S. Archimedes, (Br.) N. 12° 08′, W. 27° 00′	29.94	760.5				n.			3		3		nne.	o	o	light	ne.	cloudy.
S. S. Sirius, N 25° 34′, W. 20° 39	30.13	765.3				ene.			3		9		var.	o	o	mod.	ene.	misty.
S. S. Teniers, N. 12° 39′, W. 25° 54′	29.97	761.2	77.5	25.3	78	ne.			3	ck	6 k	se.		o	o	2	nne.	fair ?
S. S. Olbers, N. 43° 49′, W. 41° 24′	30.41	772.4	60	15.6	97	sse.			3		9?		sse.	o	o	sm'h	s.	clear.
S. S. Archimede (It), Naples, Italy †	29.74	755.4	68?	20.0?		wnw.			4		3		wnw.	o	o			clear.
S. S. Gottardo, N. 40° 46′, E. 3° 00′			68	20.0		calm			0		0			o	o	sm'h		hazy.
S. S. Oregon, (Br.) N. 44° 24′, W. 49° 23′	30.21	767.3	41	5.0		s.			2		8		s.	3⅛h'r	3⅛h'r	mod.	s.	fair.
S. S. Donau, N. 40° 17′, W. 64° 11′	30.02	762.5				ne.			5		5		ne.	2 h'r	2 h'r	mod.	ne.	clear.
S. S. Belgenland, N. 39° 47′, W. 65° 00′			54	12.2	71	ne.			5				n	o	o	h'vy	ne.	fair.
S. S. Pennland, N. 49° 37′, W. 8° 45′			50	10.0	86	nnw.			4		5		nw.	o	o	mod.	nw.	squally.
S. S. W. A. Scholten, Rotterdam, Holland			46.0	7.8	79	s.			6		8		sse.	7 h'r	7 h'r			cloudy.
S. S. Zaandam, N. 49° 44′, W. 6° 22′			52.9	11.6	90	n.			6		5		n.	o	o	mod.	n.	cloudy.
S. S. Maasdam, N. 40° 42′, W. 49° 42′*	30.30	769.6	56.5	13.6	94	sse.			3		6		ne.	12 h'r	12 h'r	2	se.	fine.
S. S. Saxon, Ship John Shoals, N. J.						ese.			1		5			o	o			cloudy.
S. S. Baltic, N. 50° 24′, W. 17° 35′*†	30.13	765.3				n.			4		8		ne.	o	o	mod.	nw.	overcast.?
S. S. Marengo, N. 40° 32′, W. 53° 00′			63	17.2		s.			4		4?		s.	4 h'r	4 h'r	mod.	s.	squally.
S. S. Salerno, N. 48° 51′, W. 12° 30′†	30.17	766.3	52	11.1		nnw.			6		5		nnw.	o	o	r'gh	nnw.	cloudy.
Bg. Alcira. Maracaybo, Venezuela	29.94	760.5	82	27.8		ne.			1		10		ne.	sli't	sli't			fair.
S. S. Antonio Lopez, Cadiz, Spain	30.10	764.5	64.5	18.1	60	wnw.			4					o	o			threat-ning
Schr. Arthur Burton, N. 24° 15′, W. 68° 00′†	30.09	764.3				nnw.			2		4		nnw.	2 h'r	2 h'r	r'gh	nw.	clear.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W. I†	30.06	763.5	79	26.1		nw.			1		1		nne.	o	o			clear.
Schr. Annie A. Holton, N 22° 34′, W. 97° 32′			80	26.7		s.			1		0			o	o	r'gh	e.	hazy.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-Swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.				Character.	Direction from.	
										Upper.	Lower.	Upper.	Lower.					
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																		
Bg. Abbie Clifford, Port of Spain, Trinidad, W.I†	29.93	760.2	80	26.7		calm			0		1			0	0			fine.
Bgt. Achsah, N. 44° 50′, W. 66° 30′†	30.08	764.0				e.			2		10		e,	0	0	mod.	e.	light fog.
S. Annie, Bayonne, N. J	30.16	766.1				s.			1		3		nnw.					fair.
Bk. Adelaide, N. 35° 16′, W. 75° 12′			64	17.8		n.			3		1		n.	0	0	mod.	n.	hazy.
Schr. Abbie H. Gheen, Philadelphia, Pa *†	30.22?	767.6?				calm			0									clear.
Bk. Benjamin Dickerman, N. 18° 20′, W. 60° 30′ †*	30.00	762.0	80	26.7		ese.			4		8		ese.	0	0	sm'h	ne.	cloudy.
Bk. Chas. Stewart, N. 38° 40.′ E. 3° 13′						s.			4		0			0	0	mod.	ne.	clear.
S. Cornelius, N. 21° 22′. W. 46° 08′*†	30.15	765.8	77	25.0		ese.			4		3			0	0	mod.	ne.	fair.
Bkt. Corisande, N. 41° 09′, W. 63° 54′	29.96	761.0				ene.			3				ene.	0	0	mod.	ene.	cloudy.
Bk. Diamant, N. 48° 50′, W. 5° 25′	29.83	757.6	50.4	10.2	74	n.			4		4		nne.	3½ hr	3½ hr	4	nw.	hazy.
S. E. J. Spicer, N. 49° 10′, W. 5° 30′	29.88	758.8	50	10.0	93	n			5		7		nne.	rain	rain	mod.	nnw.	hazy.
Schr. Edith R. Seward, Quarantine, Baltimore, Md			57	13.9		se.			1		3		se.	0	0			clear.
U. S. Fish Com. S. S Fish Hawk, Potomac river †	30.12	765.0	56	13.3		sse.			2		0		nw.	0	0			clear.
Bk. Fred W. Carlon, N. 23° 10′, W. 68° 31′†	30.09	764.3	80	26.7		nnw.			4		2		n.	0	0	long	nw.	clear.
S. Ismir, N. 31° 28′, W. 71° 06′						nnw.			6		3		n.	0	0	r'gh	nnw.	fine.
Bg. George, N. 34° 40′, W. 70° 10′ *†	29.98	761.5				nnw.			5		2		nnw.	light	light	r'gh	n.	squally.
Bk. Gloire, N. 43° 10′, W. 30° 22′	30.48	774.2	59	15.0	80	nw.			2					0	0	long	var.	clear.
Bk. George Davis, Owers Light, Eng *†	29.80	756.9				sw.			2				wsw.	1 h'r	1 h'r	sm'h		covered.
Bk Galeon, N. 14° 20′ W. 60° 10′ †	30.00	762.0	79	26.1		ene.			2		0			0	0			blue sky.
S. Hedwig, N. 37° 52′, E. 3° 54′	30.04	763.0	61.2	16.2	96	wsw.			3		3		wsw.	1 h'r	1 h'r	2	ne.	fine.
Bk. Hattie G. McFarland, Pascagoula, Miss			69	20.6		se.			5		4		se.	0	0			fair.
S. Henry, N 37° 51′ E 3° 34′*	30.00	762.0	61.7	16.5		wsw.			4-5		6 k					3	w.	hazy.
Bk. Ibis, N. 24° 20′, W. 71° 25′			73	22.8		sw.			2		4		sw.	2 h'r	2 h'r	sm'h	sw.	rainy.
Schr. Jennie N. Huddell, Georgetown, D.C†	30.10	764.5	58	14.4		calm			0		0			0	0			clear.
Bg John Wesley, Sagua la Grande, Cuba, W. I *†	30.11	764.8				ene.			3		2		ene.	0	0			clear.
Bg. John Welsh, Jr., N. 28° 55′, W. 71° 08′ †	30.12	765.0				nnw.			4		0					long	n.	clear.
Schr. John Bird, N. 37° 45′, W. 73° 20′						nne.			6							h'vy	ne.	
Schr. Jenny Greenbank, N. 31° 30′, W. 73° 50′ *	30.15	765.8	62	16.7		nnw.			3		3		ne	0	0	h'vy	ne.	
Schr. Jennie R. Morse, Doboy Sound, Ga†	30.19	766.8				w.			2		2		n.	1 h'r	1 h'r	r'gh	nnw.	hazy.
Bg L. F. Munson, N. 22° 40′, W. 68° 54′*†	30.10	764.5	74	23.3		nw.			3		1			0	0			fine.
Bkt. Levanter, Barbadoes, W. I	29.98	761.5	81	27.2		ne.			2		2		nw.	0	0	long	nw.	clear.
Bkt. Levi S. Andrews, N. 37° 20′, W. 50° 21′ *†	30.26	768.6	68.0	20.0		se.			6		10		ene.	c	0			clear.
Schr. Norena, Ponce, Porto Rico, W. I.						nne.			1		5		s.	0	0	mod.	ese.	cloudy.
Bk. Rosalie, N. 17° 07′, W. 60° 30′*†	29.98	761.5				sse.			2		0		ene.	0	0	sm'h		
Bk. Rosina, N. 30° 34′, W. 31° 23′	30.09	764.3	70	21.1		e.			6		4			0	0	light	e.	clear.
S Salisbury, N. 42° 03′, E. 17° 05′	29.64	752.8	58.5	14.7	83	nw.			5		8 kn		e.	0	0	mod.	se.	
Bk. Saga, N. 49° 35′, W. 5° 07′			53	11.7		nne.			3-5		6		var.	4 h'r	4 h'r	long	nw.	cloudy.
Bk. Sunbeam, N. 21° 00′, W. 31° 29′†	30.07	763.8	73	22.2	85	nw.			3		0		nne.	½ h'r	½ h'r	4		fair.
Bgt. Sunlight, N. 26° 18′, W. 56° 20′†	29.90	759.4				s.			5		10			0	0	sm'h		clear.
S. St. David, N. 49° 11′, W. 13° 23′			55	12.8	87	n.			6		3?		sw.	2 h'r	2 h'r	mod.	e.	squally.
Bg. Teneriffe, N. 24° 20′, W. 79° 52′	30.10	764.5				e.			5		0		n.	2 h'r	2 h'r	mod.	nw.	overcast.?
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†	30.14	765.5	73	22.8		ene.			2		1			0	0			
Bk. Western Chief, N. 51° 09′, E. 1° 41′ *†	29.82	757.4				s.			5		8		ene.	0	0			clear.
Schr. John Bracewell, N. 42° 55′, W. 70° 30′			42	5.6		e.			1		0		s.	4 h'r	4 h'r	3	s.	squally.
District No. 2—South Atlantic.																h'vy	e.	clear.
U. S. S. Brooklyn, St. Helena Island, Africa	29.85	758.2	74	23.3	86	ese.	11	4.9			10		ese.	0.19	4.8	sm'h		cloudy.
H. M. S. Amethyst, Rio de la Plata	29.72	754.9	66.5	19.2	97	se.			2		10							thnd'r storm
H. M. S. Boadicea, Simons Bay, Cape Colony	30.00	762.0	68	20.0		w.			2		3		wnw.					blue sky.
H. M. S. Sylvia, Cape of Good Hope, Cape Colony	30.05	763.3	66	18.9	74	wnw.			3		8							d. clouds.
Bk. Aureola, S. 2° 50′, W. 26° 25′†	30.10	764.5	85	29.4	72	calm			0		10			3 h'r	3 h'r	mod.	s.	drizzling.
S. Gatherer, S. 56° 20′, W. 67° 17′†	29.06	738.1	42	5.6	91	ssw.			4		1		sw.	0	0	sm'h	sw.	clear.
Bkt. Rosebud, S. 2° 43′, W. 24° 29′*	29.82	757.4	82	27.8		nw.			1-2		8			6 h'r	6 h'r	short	se.	raining.
S. Ringleader, S. 36° 20′, W. 24° 15′†	30.05	763.3	64	17.8	67	sw.			7		5		sw.	1 h'r	1 h'r	cross	var.	squally.
Bk. Horace Scudder, S. 2° 01′, W. 2° 42′ *†	30.10	764.5	75	23.9		se.			5		2		se.	0	0		se.	clear.
District No. 3—North Pacific.																		
U. S. S. Adams, Sitka, Alaska †	30.05	763.5	41	5.0	82	ene.			1		5							misty.
U. S. Naval Hospital, Yokohama, Japan			53.5	11.9	54	sw.			4		0			0	0			clear.
U. S. S. Alert, Shanghai, China	30.03	762.7	58	14.4	53	sse.			2		0							hazy.
U. S. S. Enterprise, Canton river, China	29.97	761.2	73	22.8	85	se.			2		10		calm					cloudy.
U. S. S. Essex, N. 22° 26′, E. 153° 10′	30.12	765.0	78	25.6	80	e.			4		2		e.	0	0		ene.	clear.
U. S. S. Juniata, Fernande Island, Corea	30.02	762.5	47	8.3	85	wsw.			2		0							clear.
U. S. S. Monocacy, Canton, China	29.97	761.2	70	21.1	95	calm			0		10			mod.	mod.			cloudy.
U. S. S. Ranger, Fonseca Bay, C. A	29.95	760.7	81	27.2	87	wnw.			1		2			0	0	sm'h		fair.
U S. S. Trenton, N. 13° 12′, E. 111° 29′	29.86	758.4	83	28.3	96	ne.			2		2		ne.			sm'h	ne.	clear.
H. M. S. Audacious, Hong Kong, China	30.01	762.2	70	21.1	88	e.			2		2	e.						blue sky.
H. M. S. Cleopatra, N. 37° 39′, E. 126° 35′	29.96	761.0	52.5	11.4	90	calm			0		0					3		blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.04	763.0	62.8	17.1	80	nne.			2		0					2		misty.
H. P. M. S. Tamega, Macao, China	30.01	762.3	73.4	23.0	86	ese.			6		9			0	0			overcast.
U. S. S. Palos, Shanghai, China	29.99	761.7	58	14.4	100	sse.			3		2		calm					fair.
S. S. Newbern, N. 35° 24′, W. 121° 15′			54	12.2	74	nw.			5		4		nw.	0	0	h'vy	wnw.	clear.
S. S. Columbia, N. 37° 50′, W. 122° 44′ *†	29.78	756.4	51	10.6	96	nw.			4		0			0	0		nw.	clear.
S. S. Oceanic, N. 37° 54′, E. 146° 17′ †	29.91	759.7	53	11.7	67	n.			5		7		nw.	0	0	3		cloudy.
S. S. Alameda, Honolulu, Sandwich Islands †	30.00	762.0	66	20.0		nne.			3		0			0	0			
S. S. Orizaba, N. 32° 44′, W. 117° 21′†	29.80	756.9	55	12.8	68	sw.			3		8		sw.	1 h'r	1 h'r	mod	sw.	cloudy.
S. S. City of Rio de Janeiro, N. 24° 19′, E. 118° 54′†	30.03	762.7	60	15.6		ese.			3		2		ne.			small	ne.	clear.
S. S. City of Tokio, N. 36° 39′. W. 160° 20′†	30.19	766.8	60	15.6	82	ssw.			6		2		ssw.	0	0	long	n.	fair.
S. S. Colima, Panama, Panama†	29.99	761.7	80	26.7	82	calm			0		7		calm	0.40	10.2			cloudy.
S. S. San Blas, N. 20° 18′, W. 105° 49′ †	29.96	761.0	72	22.2	100	nnw.			5		1		calm	0	0	mod	nw.	clear.
S. S. San José, N. 14° 01′, W. 91° 38′ †	29.91	759.7	80	26.7	91	ene.			2		3		e.	0	0	small	wsw.	fine.
District No. 4—South Pacific.																		
U. S. S. Iroquois, Callao, Peru	29.98	761.5	68	20.0	95	calm			0		2					sm'h		clear.
U. S. S. Lackawanna, Callao, Peru	29.95	760.7	68	20.0	90	calm			0		8							cloudy.
U. S. S. Onward, Callao, Peru *†	30.08	764.0	67	19.4	95	calm			0		10					long	w.	cloudy.
U. S. S. Pinta, S. 28° 20′, W. 73° 03′	30.11	764.8	63	17.2	83	s.			4		0					mod.	ssw.	clear.
U. S. S. Shenandoah, Gray Harbor, Patogonia *	29.50	749.3	39	3.9	91	e.			1		5		nw.			sm'h		fair.
U. S. S. Wachusetts, Valparaiso, Chili	30.11	764.8	60	15.6	65	calm			0		5		calm			sm'h		fair.
H. M. S. Nelson, Sydney, N. S. W.	30.29	769.4	58	14.4	100	s.			2-4		7	s.						showery.
H. M. S. Sappho, Valparaiso, Chili	30.15	765.8	55	12.8		var.			1		2	ne.						misty.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	30.12	765.0	62	16.7		calm			0		0							misty.
S. S. Australia, S. 35° 58′, E. 175° 05′ *	30.11	764.8	61	16.1	94	s.			4		1	s.		0	0			
S. S. Zealandia, S. 11° 20′, W. 169° 12′	29.91	759.7	81	27.2	78	calm			0		4?					mod.	s.	cloudy?
District No. 5—Indian Ocean.																		
U. S. S. Richmond, Batavia, Java	29.82	757.4	83	28.3	91	ne.			2		2		ene.	0	0			clear.
H. M. S. Euryalus, Massuah, Abyssinia	29.82	757.4	85.5	29.7	81	nne.			2		0							blue sky.
H. M. S. Magpie, S. 4° 22′, E. 55° 26′	29.82	757.4	82.5	28.1	79	wsw.			3		8							showery.
H. M. S. Myrmidon, Suakin, Egypt	29.84	757.9	87	30.6	69	ene.			3		0							blue sky.
S. S. Bracadale, N. 9° 00′, E. 83° 00′ *	29.56	750.7	88	31.1		ne.			1		1		ne.	light	light	sm'h		clear.
Bk. Childwall, off Kingston N. S. W. *	30.29	769.4	58	14.4	88	sse.			4		7		w.	0	0			fine.
S Frank N. Thayer, S. 42° 24′, E. 34° 04′ *	30.29	769.4	50	10.0	65	ne.			0		10		ne.	0	0	long	var.	d. clouds.
S. J. W. Gildemeister, S. 28° 55′, E. 41° 40′	30.10	764.5	76.1	24.5	66	ene.			2-5	cs	9 k		w.	0	0	3	var.	overcast.
Bk. Nouva Margherita, S. 22° 12′, E. 68° 00′*†	29.87	758.7				se.			4				se.	6 h'r	6 h'r		s.	cloudy.
Bk. Xenia, S. 43° 43′, E. 27° 28′*†	30.10	764.5	52	11.1		nne.			6		7		nw.	0	0	rg'h	ne.	cloudy.
S. S. Lepanto, Bombay, India	29.77	756.1	86	30.0		nnw.			3		2		nnw.	0	0			clear.

International Chart I. April 28, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 29, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer.				Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Corrected for instrumental error and for temperature.		Reduced to sea-level.					Direction.	Velocity.		Amount and kind.		Direction.					
										Force.	Upper.	Lower.	Upper.	Lower.				
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	From.	From.	Inch.	Mill.		
ALGERIAN.																		
Nemours	.....	.....	29.99	761.8	61.2	16.2	81	w.	.....	.....	4	.....	2	.....	.....	0.248	6.3	fair	Rontere.
Algiers	.....	.....	29.94	760.4	58.3	14.6	72	wsw.	.....	.....	6	.....	10	.....	.....	0	0	covered	Théve.
La Calle	.....	.....	29.90	759.4	61.9	16.6	69	nw.	.....	.....	3	.....	4	.....	.....	inap	inap.	cloudy	Fonfrède.
Tunis	.....	.....	29.90	759.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	30.04	763.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	30.00	762.1	61.2	16.2	.....	w.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	30.03	762.8	65.8	18.8	49	nw.	.....	.....	3	.....	8	.....	.....	0	0	very cloudy	Gouzon.
AUSTRALIAN.																		
Adelaide, South Australia	.....	.....	30.45	773.4	57.8	14.3	71	e.	6	2.7	.....	3 cs	.....	.....	.....	0	0	fine	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.50	774.7	30.69	779.5	44	6.7	93	nnw.	10	4.5	.....	.....	1	.....	nw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.40	772.1	30.49	774.4	52.0	11.1	86	se.	4	1.8	.....	.....	1	.....	.....	0.01	0.3	fine	R. L. J. Ellery.
AUSTRO-HUNGARIAN.																		
Agram	29.17	740.8	29.70	754 4	60.4	15.8	49	se.	.....	.....	2	.....	5	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	29.02	737.0	29.66	753.3	54.0	12.2	84	e.	6.9	3.1	.....	.....	10	.....	.....	0.252	6.4	.....	Dr. Wierzbiski
Eperies	28.84	732.4	29.71	754.5	53.6	12.0	82	s.	.....	.....	1	.....	10 s	.....	n.	0.370	9.4	.....	Julius Mikolik.
Gratz	28.49	723.6	29.72	755.0	55.4	13.0	63	se.	.....	.....	1	.....	10	.....	.....	0.051	1.3	.....	Andreas Rospini.
Hermannstadt	28.27	718.1	29.70	754.4	49.6	9.8	83	e.	.....	.....	2	.....	10	.....	.....	0.217	5.5	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.39	721.0	29.71	754.6	55.4	13.0	66	ese.	.....	.....	1	.....	7	.....	.....	0	0	.....	The Staff.
Lemberg	28.83	732.2	29.82	757.3	50.4	10.2	48	se.	.....	.....	5	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.61	752.2	29.72	755.0	64.6	18.1	64	sw.	.....	.....	2	.....	4	.....	.....	0.031	0.8	.....	I. R. Hydrographic Office.
Szathmar	29.21	741.9	29.67	753.6	55.2	12.0	73	s.	.....	.....	4	.....	10	.....	.....	0.071	1.8	.....	Joseph Midlinszky, S. J
Szegedin	29.39	746.6	29.67	753 6	56.8	13.8	70	sw.	.....	.....	2	.....	10	.....	.....	0.071	1.8	.....	Karl Stancel.
Trieste	29.63	752.5	29.73	755.1	63.0	17.2	60	w.	.....	.....	1	.....	4	.....	.....	0	0	.....	Royal Academy.
Vienna	29.05	737.9	29.77	756.1	52.3	11.3	60	nw.	.....	.....	2	.....	10	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
BELGIAN.																		
Arlon	.....	.....	.....	.....	59.4	15.2	72	e.	.....	.....	2	.....	1	.....	.....	.....	.....	.....	
Brussels	29.53	750.1	29.73	755.1	61.5	16.4	47	ene.	.....	.....	1	.....	8	.....	s.	0	0	.....	
Furnes	29.78	756.4	29.80	756.9	.....	.....	.....	ne.	.....	.....	1	.....	10	.....	.....	0.008	0.2	.....	
Maeseyck	29.63	752.5	29.75	755.7	59.4	15.2	76	e.	.....	.....	2	.....	3	.....	.....	0	0	.....	
BRITISH.																		
Aberdeen	29.69	754.1	29.79	756.7	44.0	6.7	84	e.	6	2.7	.....	.....	9	.....	.....	0.020	0.5	overcast	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.77	756.1	50.9	10.5	65	nw.	11	4.9	.....	.....	1	.....	.....	.....	.....	blue sky	John Harnup.
Bolton, Sharples	29.23	742.4	29.76	755.9	49.0	9.4	69	ene.	.....	.....	.....	.....	10	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.36	745.7	29.76	755.9	49.5	9.7	72	ne.	.....	.....	2	.....	7	.....	.....	0.18	4.6	d. clouds	McLandsborough & Preston
Bridgetown, Barbadoes, W.I	29.98	761.5	30.01	762.2	81.0	27.2	74	ne.	.....	.....	3	.....	4?	.....	.....	.....	.....	overcast?	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	55.6	13.1	60	w.	.....	.....	0.6	.....	6	.....	.....	.....	.....	d. clouds	John McLaren.
Chatham, School M. E	29.50	749.3	29.77	756.1	57.0	13.9	71	calm	.....	.....	0	.....	7	.....	.....	.....	.....	misty	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.57	751.1	29.80	756.9	52.0	11.1	63	nnw.	.....	.....	1	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Fort Napier, Natal	27.75	704.8	30.06	763.5	75.0	23.9	84	ne.	.....	.....	1	.....	4	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.75	755.6	29.79	756.7	50	10.0	79	ne.	.....	.....	1	.....	3	.....	.....	0	0	blue sky	Wm. Ryan.
Gibraltar, Mediterranean	29.90	759.4	30.00	762.0	59.7	15.4	91	nw.	.....	.....	4	.....	8	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.60	751.8	29.78	756.4	57.6	14.2	56	sse.	.....	.....	1	.....	8	.....	.....	.....	.....	foggy	The Staff.
Guernsey	29.46	748.3	29.76	755.9	50.3	10.2	72	e.	.....	.....	1	.....	0	.....	.....	0	0	misty	A. Collenette, F.R.M.S
Kew, Observatory	29.75	755.6	29.78	756.4	53.5	11.9	61	sw.	4	1.8	.....	.....	7	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.51	749.5	29.76	755.9	54.2	12.3	67	sw.	.....	.....	1	.....	6	.....	.....	.....	.....	d. clouds	J. C. Smith.
Malta, Mediterranean	29.77	756.1	29.84	757.9	64.0	17.8	59	nw.	.....	.....	2	.....	6	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.15	765.8	30.19	766.8	75.0	23.9	57	ne.	.....	.....	2	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.55	750.6	29.78	756.4	53.3	11.8	64	s.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.70	754.4	29.77	756.1	49.3	9.6	83	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	foggy	John Merrifield.
Sandwick Manse, Orkneys	29.63	752.6	29.73	755.1	47	8.3	70	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	blue sky	Rev. C. Clouston L.L.D
Scutari Cemetery, Turkey	29.37	746.0	29.43	747.5	59.6	15.3	79	ne.	.....	.....	2	.....	10	.....	.....	blank	blank	d. clouds	W. H. Lyne.
Sheffield	29.45	748.0	29.73	755 1	47.4	8.6	?	ne.	.....	.....	1	.....	8	.....	.....	.....	.....	overcast	W. F. Cooper.
Silloth Rectory	29.73	755.1	29.76	755.9	52.8	11.6	85	w.	.....	.....	1	.....	10	.....	.....	0.295	7.5	overcast	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.78	756.4	49.4	9.7	67	n.	2	0.9	.....	.....	10	.....	.....	0.055	1.4	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	53.5	11.9	67	s.	.....	.....	1.5	.....	2	.....	.....	.....	.....	blue sky	Rev. C. H. Griffiths, F.M.S
Valencia, Observatory	29.80	756.9	29.83	757.7	50.4	10.2	65	sw.	14	6.3	.....	.....	6	.....	.....	.....	.....	misty	The Met'g'l Office.
Sub-series.																		
Gozo, Episcopal Seminary	29.46	748.3	29.85	758.2	63.7	17.6	56	sw.	7.5	3.4	.....	2 c	0	w.		0	0	clear	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.82	757.4	29.94	760.5	70.8	21.6	86	e.	11	4.9	.....	ck	6 k	wsw.	e.	0	0	d. clouds	The Staff.
CANADIAN.																		
Bathurst, N. B	29.98	761.5	30.02	762.5	37.0	2.8	.....	calm	0	0	.....	.....	10 n	.....	.....	0	0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.92	760.0	29.97	761.2	40	4.4	96	ne.	4	1.8	.....	.....	10 n	.....	.....	0.050	1.3	light rain	H. J. Cundall, C. E.
Chatham, N. B*	29.94	760.5	30.01	762.2	37	2.8	96	ne.	4	1.8	.....	.....	fg.	.....	.....	0.01	0.3	dense fog	G. A. Blair.
Cornwall, Ontario	29.87	758.7	30.07	763.8	30.2	— 1.0	72	n.	.....	.....	1	.....	10 s	.....	.....	0.005	0.1	d. clouds	Jas. Smith, M. A.
Dalhousie, N. B	29.96	761.0	30.01	762.2	34.5	1.4	.....	e.	.....	.....	1	.....	10 n	.....	.....	0	0	overcast	H. A. Johnson.
Father Point, Quebec*	29.94	760.5	29.96	761.0	36	2.2	89	ne.	16	7.2	.....	4 c	4 ks	calm	calm	0	0	cloudy	J. McWilliams
Fort Garry, Manitoba*	29.25	742.9	30.10	764.5	39	3.9	89	e.	12	5.4	.....	.....	10 n	.....	e.	.....	.....	light rain	James Stewart.
Fredericton, N. B	29.92	760.0	29.99	761.7	40.6	4.8	96	e.	1	0.4	.....	0	1	.....	.....	0	0	misty	Dr. Thos. Harrison.
Grand Manan, N. B	29.92	760.0	29.98	761.5	39	3.9	89	nw.	4	1.8	.....	.....	1cn; fg	.....	nw.	0.03	0.8	cloudy	J. Chipman Seeley
Granton, Ontario	29.17	740.9	30.34	770.6	30.0	— 1.1	89	n.	5	2.2	.....	0	0	.....	.....	0	0	blue sky	Jas. Grant.
Halifax, N. S*	29.84	757.9	29.97	761.2	40	4.4	100	e.	1	0.4	.....	.....	fg.	.....	.....	0.020	0.5	dense fog	A. Allison.
Hamilton, Ontario	29.79	756.7	30.20	767.1	42.0	5.6	79	sw.	.....	.....	2	10 cs	0	sw.	.....	0	0	overcast	Geo. Dickson, B. A.
Kingston, Ontario*	29.79	756.7	30.15	765.8	31	— 0.6	78	nw.	8	3.6	.....	.....	10 ks	w.	w.	0	0	cloudy	A. P. Knight, M. A.
Little Glace Bay, N. S	29.87	758.7	29.91	759.7	35.5	1.9	97	s.	.....	.....	2	.....	10 n	.....	.....	.....	.....	raining	C. H. Rigby.
London, Ontario	29.34	745.2	30.28	769.1	32.3	0.2	78	n.	.....	.....	2	0	0	.....	.....	0	0	blue sky	E. B. Reed.
Medicine Hat, N. W. T	27.66	702.6	30.02	762.5	32	0.0	96	s.	1	0.4	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	28.08	713.2	30.07	763.8	33	0.6	85	e	20	8.9	.....	.....	10 n	.....	e.	inap.	inap.	light snow	Rev. J. M. Wellwood.
Montreal, Quebec*	29.81	757.2	30.03	762.7	37	2.8	75	w.	18	8.0	.....	.....	10 s	.....	.....	0.05	1.3	cloudy	C. H. McLeod, C. E.
Ottawa, Ontario	29.89	759.2	30.12	765.0	28.6	— 1.9	76	n.	.....	.....	.....	0	8 ks	.....	.....	0	0	d. clouds	A. McGill, M. A.
Parry Sound, Ontario*	29.55	750.6	30.29	769.4	27	— 2.8	88	nw.	9	4.0	.....	5 k	5 ks	nw.	nw.	0	0	cloudy	Rev. R. Mosley.
Peterboro, Ontario	29.45	748.0	30.21	767.3	28.6	— 1.9	61	n.	.....	.....	3	.....	10 k	.....	.....	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.65	753.1	30.38	771.6	33	0.6	88	ne.	7	3.1	.....	10ck	0	ssw.	.....	0	0	gloomy	W. P. Cooke.
Port Dover, Ontario	29.53	750.0	30.26	768.6	32	0.0	100	n.	13	5.8	.....	7 k	0	nw.	.....	0	0	fair	H. Morgan.
Port Stanley, Ontario	29.58	751.3	30.26	768.6	33	0.6	81	nw.	8	3.6	.....	0	0	.....	.....	0	0	clear	M. Payne.
Qu Appelle, N. W. T	27.69	703 3	29.99	761.7	38	3.3	.....	ne.	8	3.6	.....	.....	10 ks	.....	ne.	0	0	cloudy	Leslie Gordon.
Quebec, Quebec*	29.58	751.3	29.95	760.7	35	1.7	96	calm	0	0	.....	.....	fg	.....	.....	0.12	3.0	dense fog	Capt. A. he, R. N.
Rockliffe, Ontario*	29.73	755.1	30.22	767.6	25	— 3.9	73	nw.	12	5.4	.....	.....	10 s	.....	nw.	inap.	inap.	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.91	759.7	29.96	761.0	38	3.3	95	w.	1	0.4	.....	.....	10 n	.....	.....	0	0	cloudy	
St. John, N. B	29.83	757.7	29.97	761.2	40.3	4.6	97	calm	0	0	.....	.....	10 n	.....	.....	inap.	inap.	drizzling	G. Hutchinson.
St. Pierre, N. F	.....	.....	30.04	763.0	39.2	4.0	.....	e.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.56	750.8	30.32	770.1	30	— 1.1	96	n.	18	8.0	.....	.....	10 ks	.....	.....	0	0	cloudy	
Stratford, Ontario	28.96	735.6	30.30	769.6	30.6	— 0.8	71	n.	13	6.7	.....	5 k	0	w.	.....	0	0	d. clouds	W. McBride, A. M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN—Continued.																			
Sydney, C. B*	29.94	760.5	30.00	762.0	37	2.8	96	ne.	3	1.3			10 n			0	0	light fog	T.C.Hill, C.E.
Toronto, Ontario*	29.88	758.9	30.29	769.4	29	— 1.7	67	n.	21	9.4		0	7 ks		n.	0	0	cloudy	Magnetic Observatory.
Woodstock, Ontario	29.19	741.4	30.31	769.9	32.6	0.3	72	n.	16.0	7.2		0	1 s			0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.90	759.4	29.97	761.2	40	4.4	96	nw.	7	3.1			10 s		nw.	0	0	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	29.97	761.2	30.00	762.0	65.5	18.6	97	sw.					10 n			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.90	759.4			76.0	24.4	43	e.				0	0			0	0		Capt.R.Gardner Warton
Springbok Fontein																			J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					51.1	10.6	84	s.			2	2 c		s.		0	0	clear	Leon Herrera.
Valparaiso	29.98	761.4	30.12	765.0	56.7	13.7	81	se.			1	8	0			0	0	clear	Paez-I-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.97	761.3	30.00	761.9	59.0	15.0	89	sse.	7.2	3.2		0	0			0	0	clear	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.90	759.5	29.95	760.7	49.1	9.5	70	ese.	11	5			10						Oversergent Fischer.
Fanöe	29.87	758.8	29.89	759.3	53.8	12.1	50	ese.			4		1						Overloerer Laurdsen.
Godthaab, Greenland	29.98	761.6	30.03	762.7	14.4	— 9.8	87	w.			4		10					snowing	S. Kleinschmidt.
Ivigtut, Greenland	29.99	761.8	30.01	762.3	25.0	— 3.9		nw.			6		8						
Stykkisholm, Iceland	29.15	740.3	29.19	741.4	40.3	4.6	82	e.			6		5						A. O. Thoriacius.
Thorshavn	29.58	751.2	29.60	751.8	47.1	8.4	79	se.	22	10			10						Overloerer Bergh.
Upernavik, Greenland	30.01	762.2	30.06	763.4	6.6	—14.1		calm			0		0						
Vestervig	29.80	757.0	29.89	759.3	54.7	12.6	43	ese.			4		3						Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.79	756.6			73.4	23		ne.	5.8	2.6		4 ck	0			0	0		Albert Ismaïun, Dir.
FRENCH.																			
Agen, Normal School	29.08	738.7	29.74	755.3	52.5	11.4	80	wnw.			1		10 n		nw.	0.618	15.7		M. Laroque, Director.
Alençon, Normal School	29.21	741.8	29.76	755.8	56.1	13.4	69	se.			1		5 n		nw.	0.035	0.9	cloudy	M. Nicot, Director.
Arras, Normal School	29.50	749.3	29.74	755.4	63.5	17.5	32	nne.			1		2		n.	0.004	0.1	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.59	751.6	29.67	753.6	57.9	14.4	67	ese.			1		8		se.	0	0	very cloudy	M. Giraud, Director.
Bar-sur-Seine	29.11	739.4	29.65	753.1	63.5	17.5	32	sse.			2		8		ese	0	0	very cloudy	M. Saillard, Director.
Beauvais, Normal School	29.46	748.2	29.72	754.8	63.0	17.2	34	e.			1		8		ese.	0	0	very cloudy	M. Frère Eugène Marie.
Besançon, Normal School	28.83	732.2	29.70	754.3	65.2	19	38	n.			1		k		sw.	0	0		M. Gobin, Director.
Bordeaux, *Observatory*	29.43	747.6	29.69	754.2	53.6	12.0	74	n.			1		10		nnw.	0.181	4.6	covered	M. Rayet, Director.
Bourges, Normal School	29.13	740.0	29.68	753.9	64.8	18.2	39	e.			1		5		e.	0.059	1.5	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.60	751.9	29.85	756.1	50.0	10.0	76	nne.			1		8		nne.	0.031	0.8		M. de Kermarec, Dir.
Caen, Normal School	29.63	752 6	29.71	754.5	56.8	13 8	91	n.			1		2		n.	0.08	2.	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'					66.7	19.3	66	s.			1		2		s.	0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.19	741.3	29.71	754.5	66.9	19.4	29	e.			1		2			0	0	¼ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.70?	729.0?	30.07?	763.7?	52.2	11.2	66	s.			1		10			0.012	0.3	sprinkling	M. Allnard, Director.
Cluny, Normal School	28.82	731.9	29.71	754 6	65.8	18.8	24	se.			2		1		s.	0	0		M. de Villemontés, Dir.
Commercy, Normal School	28.89	733.9	29.71	754.6	61.0	16.1	40	e.			4		kn	e.	e.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.15	689.5	29.64	752.8	58.1	14.5	52	s.			2		4 kn			0	0		M. Jarach, Director.
Gréasque, de Rhone	28.74	730.0	29.87	758.8	50.2	10.1	95	se.			6		10		se	0	0		M. Kina, Director.
Grenoble, Normal School	28.87	733.2	29.61	752.0	68.0	20	25	e			1		ck		se.	0	0	raining	M. Ablard, Director.
Guéret, Normal School	28.06	712.8	29.64	752.9	47.8	8.8	78	w.			1		10 n		e.	0.012	0.3	raining	M. Delorme, Dir.
Lamballe Normal School	29.51	749.6	29.79	756.6	51.1	10.6	65	nne.			1		2 kn		nne.	0	0	slightly cl'dy	M. Polipre, Dir.
Lescar, Normal School	29.19	741.5	29.75	755.6	47.5	8.6	78	w.			1		10	w.	w.	0.799	20.3	raining	M. Chauvin, Director.
Lorient, Naval Observatory	29.70	754.3	29.80	756.9	60.8	16.0	75	ne.			1		8	w.	w.	0	0	¾ covered	L. T. Carre, Director.
Lyon, St. Genis-Laval	28.59	726.2	29.62	752.3	63.1	17.3	27	ssw.			2		5		s.	0	0	cloudy	M. André, Director.
Mans, Normal School	29.41	746.9	29.72	754.8	47.5	8.6	93	nne.			1		8		sw.	0.059	1.5	raining	M. Richard, Director.
Marseille, *Observatory*	29.43	747.4	29.69	754.2	54.3	12.4	95	e.			2		10		se.	0.610	15.5		M. Stephan, Director.
Montlouis	24.41	619.9	29.25	742.9	33.8	1.0	88	ne.	5.6	2.5			10	ne.		1.095	27.8		M. Cave for Dr. Finas.
Montpellier, Normal School	29.56	750.7	29.67	753.5	48.2	9.	100	n.			2		10	ese.		1.043	26.5	covered	M. Galzin, Director.
Nancy, Normal School	28.94	735 1	29.70	751.4	63.7	17.6	37	ne.			1				e.	0	0		M. Hasse, Director.
Nantes, Observatory	29.60	751.7	29.76	755 8	52.9	11.6	57	n.			1–2		8 n;kn		n.	0.020	0.5	rainy	M. Larocque, Director.
Perpignan, Observatory	29.52	749.8	29.63	752.6	55.0	12.8	76	nw.	3.8	1.7			10		se.	1.150	29.2		Dr. Fines, Director.
Pic-du-Midi, Summit	20 78	527.9			18.1	— 7.7		ne.			1				ne.	0.677	17.2		M. Vaussenat, Director.
Privas, Normal School	28 64	727.5	29.69	754.0	61.9	16.6	44	s.			1		10	s.	s.	0	0	covered	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.79	629.6			34.9	1.6	100	sse.			4		10					rain & sleet	M. Allnard.
Rochefort, Naval *Obs'y*	29.70	754.4	29.73	755.2	54.0	12.2	83	nnw.			1		10		nnw.	0.12	3	covered	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.51	749.6	29.72	754.9	59.0	15.	68	s.			1				sse.	0	0		M. Brotlier, Director.
Rodez, Normal School	27.54	699.4	29.67	753.6	44.8	7.1	83	s.			1		5		n.	0.362	9.2	fair	M. Seger, Director.
Rouen, Normal School	29.69	754.2	29.74	755.4	58.6	14.8	50	nne.			1		0			0.35	9.	clear	M. Moullot, Dir.
Saint Maur, Observatory	29.54	750 2	29.70	754.4	62.2	16.8	37	ene.			1		5	s.	se.	0.071	1.8	cloudy	M. Renou, Director.
Toulouse, Observatory	28.98	736.0	29.69	754.1	50.0	10.0	84	wsw.			2		10	nw.		0.673	17.1	covered	M. Bulland, Director.
Tours	29 52	749.8	29.70	754.4	57.2	14.0	67	n.			1		5	w.	nw.	0.232	5.9	cloudy	M. de Tastes.
Versailles, Observatory	29.21	741.9	29.70	754.4	62.2	16.8	37	n.			1		5			0.012	0.3	fair	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.60	751.8	29.75	755 6	54.7	12.6	69	nw.	17.7	7.9			8 k;kn		nw.	0.571	14.5		M. Carlier, Director.
GERMAN.																			
Ansbach	28.32	719.4	29.76	755.8	55.0	12.8	40	ne.			4		1	ne.		0.327	8.3		Prof. Jnedt.
Bamberg	28.94	735.1	29.78	756.4	56.7	13.7	44	n.			2		3 ks			0	0		Prof. Dr. Hoh.
Berlin	29.67	753.7	29.82	757.4	51.1	10.6	54	n.			1		10			0.008	0.2	raining	Meteorological Institute
Breslau	29.26	743 3	29.79	756.7	50.4	10.2	76	nw.			2		10			0.004	0.1	rainy	Royal University Obs'y
Carlsruhe	29.27	743.4	29.71	754.7	62.4	16.9	42	ne.			3		1	se.		0	0		Albert Seitz.
Cassel	29.06	738.2	29.82	757.3	60.1	15.6	35	e.			2		3	sw.		0.020	0.5		Dr. H. Möhl.
Frankfort-on-the-Main	29.39	746 4	29.74	755.5	61.7	16.5	36	se.			2		2			0	0		Physical Society.
Friedrichshafen	28.27	718.1	29.66	753 3	59.4	15.2	61	sw.			2		4	sw.		0	0		Wilhelm, Chief Tel.
Hamburg	29.81	757.2	29.90	759.5	49.6	9.8	73	e.			3		4	e.		0	0		E. Prelier.
Kiel	29.89	759.2	29.91	759.6	46.8	8.2	72	ene.			4		9			0	0		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.41	746.9	29.83	757.7	53.2	11.8	57	n.			4		8	nne.		0	0		H. Leppig, Asst.
Magdeburg	29.63	752.6	29.82	757.4	54.0	12.2	55	ne.			2		4	ne.		0	0	foggy	Weather Observatory.
Memel	29.91	759.8	29.96	761.0	49.6	9.8	80	se.			3		10 s					raining	Issermann.
Munich	27.90	708.7	29.74	755.5	55.6	13.1	52	ne.			4		5	n.		0.059	1.5		Central Station.
Neufahrwasser	29.81	757.2	29.84	757.9	46.9	8.3	92	ne.			2		10			0.173	4.4		A. Lothes.
Neustadt, Palatinate	29.21	741.8	29.72	755.0	62.2	16.8	46	ne.			2		4	ne.		0	0		Prof. Dicknether.
Stuttgart	28.77	730.8	29.64	752.9	61.2	16.2	40	n.			1		3	sw.		0	0		Dr. L. Meyer.
Wustrow	29.89	759.2	29.91	759.8	46.0	7.8	86	ne.			3		10 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.26	743.1	29.64	752.8	66.9	19.4		w.			6.0	8				0.311	7.9		Kokkides & Wourtisch.
INDIAN.																			
Kurrachee	29.69	754.1	29.74	755.4	83.4	28.6	80	wsw.	31.0	13.8			3	wsw.		0	0	misty	
Deesa	29.22	742.2	29.68	753.8	99.7	37.6	12	wnw.	19.0	8.5			0			0	0	blue sky	
Bombay	29.72	754 9	29.76	755.8	87.0	30.6	61	wnw.	18.0	8.0			0			0	0	blue sky	
Poona, Yarrowda	27.91	708.8	29.70	754.3	96.3	35.7	19	nw.	7.0	3.1			5		sw.	0	0	d. clouds	
Trichinopoly	29.49	749.1	29.76	756.0	97.2	36.2	32	nne.	0.3	0.1			7	nne.	ne.	0	0	d. clouds	
Bellary	28.22	716.9	29.64	753.0	94.8	34.9	33	e.	2.0	0.9			9			0	0	gloomy	
Belgaum	27.21	691.2	29.71	754.7	81.8	27.7	66	wsw.	12.0	5.4			5		w.	0	0	d. clouds	
Lahore	28.89	733.7	29.61	752.0	93.1	33.9	26	w.	4.0	1.8			6			0	0	d. clouds	
Roorkee	28.73	729.6	29.59	751.6	96.6	35.9	13	calm	3.0	1.3			2			0	0	blue sky	

STATIONS.	BAROMETER. Corrected for instrumental error and for temperature.		BAROMETER. Reduced to sea-level.		Temperature of the air.		Relative humidity.	WIND. Direction.	WIND. Velocity.		WIND. Force.	CLOUDS. Amount and kind. Upper.	CLOUDS. Amount and kind. Lower.	CLOUDS. Direction. Upper.	CLOUDS. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		WEATHER.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p.sec.	01-0	0-10	0-10	From.	From.	Inch.	Mill.		
INDIAN.—Continued.																			
Agra	29.07	738.5	29.61	752.3	101.1	38.4	10	W.	4.0	1.8	.....	.....	0	.....	.....	0	0	blue sky	
Nagpur	28.63	727.1	29.63	752.5	99.7	37.6	13	calm	3.0	1.3	.....	.....	7	.....	sw.	0	0	d. clouds	
Jubbulpore	28.34	719.7	29.64	752.7	99.7	37.6	17	wnw	6.0	2.7	.....	.....	0	.....	.....	0	0	blue sky	
Lucknow	29.23	742.4	29.59	751.5	100.4	38.0	13	wnw.	10.0	4.5	.....	.....	0	.....	.....	0	0	misty	
Allahabad	29.28	743.6	29.57	751.2	101.4	38.6	14	nw.	.....	.....	.....	.....	0	.....	.....	0	0	misty	
Patna	29.39	746.6	29.57	751.1	99.5	37.5	18	nw.	5.9	2.6	.....	.....	0	.....	.....	0	0	blue sky	
Hazaribagh	27.63	701.7	29.57	751.0	92.7	33.7	12	nw.	6.0	2.7	.....	.....	2	nw.	.....	0	0	d. clouds	
Cuttack	29.61	752.2	29.70	754.2	86.9	30.5	58	wnw.	8.0	3.6	.....	.....	8	.....	.....	0	0	d. clouds	
Calcutta, Alipore	29.63	752.6	29.65	753.2	85.5	29.7	58	ssw.	23.0	10.3	.....	.....	10	.....	w.	.....	.....	drizzling	
Chittagong	29.65	753.2	29.74	755.4	81.9	27.7	77	s.	6.2	2.8	.....	.....	1	.....	.....	0	0	d. clouds	
Sibsagar	29.44	747.8	29.78	756.5	70.1	21.2	92	ne.	2.0	0.9	.....	.....	10	w.	w.	0.69	17.5	.....	
Jeypore	28.24	717.2	29.62	752.4	97.7	36.5	11	wnw.	10.0	4.5	.....	.....	3	.....	sw.	0	0	d. clouds	
Zanzibar	29.88	758.9	.....	.....	77.2	25.1	89	ese.	9.7	4.3	.....	.....	9	.....	s.	.....	.....	d. clouds	
ITALIAN.																			
Udine	29.31	744.4	29.71	754.7	.....	.....	60	sw.	1.8	0.8	.....	.....	5	.....	.....	0	0	.....	Prof. Giovanni Olodig.
Milan	29.19	741.5	29.71	754.5	65.3	18.5	45	w.	4.9	2.2	.....	.....	6	wsw.	.....	0	0	.....	Prof. G.V.Schiapparelli
Padua	29.58	751.4	29.69	754.1	65.7	18.7	47	wnw.	5.6	2.5	.....	.....	5	wnw.	.....	0	0	.....	Prof. Dott. Lorenzoni.
Moncalieri	28.79	731.2	29.68	753.9	61.0	16.1	62	nw.	2.5	1.1	.....	.....	9	ne.	.....	0	0	.....	Prof. F. F. Denza.
Genoa	29.56	750.8	29.75	755.7	61.5	16.4	62	s.	7.4	3.3	.....	.....	10	s.	.....	0	0	.....	Prof. G. M. Garibaldi
Pesaro	29.69	754.2	29.74	755.4	60.4	15.8	67	ne.	7.4	3.3	.....	.....	2	.....	.....	0	0	.....	Prof. Luigi Guidi.
Florence	29.48	748.7	29.73	755.1	64.0	17.8	52	wsw.	.....	.....	2	.....	.....	.....	.....	0	0	.....	Prof. Costantino Pittei.
Leghorn	29.62	752.4	29.71	754.5	61.5	16.4	62	w.	8.7	3.9	.....	.....	6	w.	.....	0	0	.....	Prof. P. Monte.
Rome	29.58	751.2	29.75	755.6	66.7	19.3	46	sw.	6.3	2.8	.....	.....	8	.....	.....	0.201	5.1	.....	Prof. P. Tacchini.
Lecce	29.50	749.2	29.74	755.5	64.4	18.0	48	nne.	13.6	6.1	.....	.....	5	nw.	.....	0.181	4.6	.....	Prof. C. de Giorgi.
Cosenza	28.88	733.5	29.76	755.9	62.2	16.8	77	wnw.	2.5	1.1	.....	.....	8	w.	.....	0.339	8.6	.....	Prof. D. Conti.
Palermo	29.60	751.7	29.84	757.9	66.0	18.9	52	ne.	1.8	0.8	.....	.....	3	w.	.....	0.134	3.4	.....	Prof. G. Cacciatore
Syracuse	29.72	755.0	29.77	756.1	76.5	24.7	49	ne.	4.9	2.2	.....	.....	0	wsw.	.....	0	0	.....	Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.28	743.6	.....	.....	62.2	16.8	66	sw.	10.5	4.7	.....	.....	5	w.	.....	0	0	.....	Prof. F. Brioschi.
Stelvio	21.87	555.5	.....	.....	36.5	2.5	64	sw.	.....	.....	2	.....	10	.....	.....	0	0	misty	Prof. P. F. Denza.
Valdobbia	21.90	556.3	.....	.....	32.0	0.0	96	sw.	.....	.....	2	.....	10	.....	.....	0	0	covered	Prof. P. F. Denza.
JAPANESE.																			
Akita	30.04	762.9	30.07	763.8	39.6	4.2	90	w.	.....	.....	2	0	0	.....	.....	0	0	clear	H. Hattori.
Awomori	29.98	761.5	30.02	762.5	41.4	5.2	78	w.	6.0	2.7	.....	0	2 s	.....	w.	0	0	fair	K. Ogawa.
Hakodate	30.00	762.0	30.01	762.2	40.5	4.7	76	w.	6.0	2.7	.....	0	6 s	.....	.....	0	0	cloudy	Y. Souma.
Hamamatsu	30.02	762.5	30.12	765.0	49.8	9.9	81	calm	.....	.....	0	0	2 s	.....	w.	0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.10	764.5	30.12	765.0	52.8	11.6	86	sw.	0.3	0.2	.....	0	0	.....	.....	0	0	clear	Y. Okamoto.
Kagoshima	30.16	766.1	30.17	766.4	53.0	11.7	89	nw.	.....	.....	2	0	0	.....	.....	0	0	clear	
Kanazawa	30.02	762.5	30.12	765.1	46.2	7.9	83	s.	4.1	1.8	.....	0	0	.....	.....	0	0	clear	S. Endo.
Kioto	29.97	761.2	30.14	765.6	48.1	8.9	89	nnw.	0.7	0.3	.....	.....	10 s	.....	.....	0.012	0.3	cloudy	M. Tojima.
Kochi	30.10	764.5	30.13	765.2	59.8	15.4	73	n.	0.5	0.2	.....	1 ck	0	nw.	.....	0	0	clear	K. Kusunose.
Miasaka	30.13	765.3	30.16	766.0	58.9	14.9	69	w.	.....	.....	2	0	0	.....	.....	0	0	clear	K. Masusaki&T. Ishitain
Miyako	29.94	760.5	30.05	763.3	36.0	2.2	90	wsw.	1.4	0.6	.....	0	0	.....	.....	0	0	clear	N. Honno & K. Suwa.
Nagasaki, I. M. Obs'y	29.95	760.7	30.15	765.8	54.0	12.2	80	calm	0	0	.....	0	0	.....	.....	0	0	clear	
Nemuro	29.90	759.5	29.95	760.7	34.6	1.4	84	sw.	1.2	0.5	.....	1 c	2 s	sw.	sw.	0	0	fair	A Shibuya.
Niigata	30.06	763.5	30.10	764.5	47.7	8.7	89	se.	3.0	1.3	.....	0	0	.....	.....	0.190	4.8	fair	Satoo & Tomikawa.
Nobiru	30.06	763.5	30.07	763.9	43.6	6.4	77	s.	0	0	.....	0	0	.....	.....	0	0	clear	Yoshino & Midzushina.
Numadzu	30.03	762.7	30.07	763.7	55.1	12.8	70	sw.	.....	.....	4	0	0	.....	.....	0	0	clear	T. Ohgi.
Osaka	30.11	764.8	30.13	765.2	53.7	12.1	82	e.	7.3	3.2	.....	0	4ck;s	.....	w.	0	0	fair	H. Omura.
Saga	30.11	764.9	30.13	765.3	56.0	13.3	74	NW.	1.7	0.7	.....	0	0	.....	.....	0	0	clear	A. Matsuhayashi.
Sakai	30.09	764.2	30.10	764.4	47.9	8.8	59	calm	.....	.....	0	0	0	.....	.....	0	0	clear	Yamawchi & Sakamoto.
Sapporo	29.90	759.5	29.97	761.2	37.5	3.1	82	s.	3.7	1.6	.....	0	0	.....	.....	0.039	1.0	clear	S. Kimura.
Shimonoseki	30.00	761.9	30.14	765.6	55.2	12.9	70	w.	.....	.....	1	0	0	.....	.....	0	0	clear	S. Sakano.
Tokei Obs'y, Yeddo	30.00	762.0	30.08	764.0	51.5	10.8	77	ssw.	3.5	1.5	.....	0	0	.....	.....	0	0	clear	The Staff.
Wakayama	30.06	763.6	30.11	764.9	55.1	12.8	79	calm	0	0	.....	1 ck	9ck;s	w.	w.	0	0	cloudy	K. Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.76	755.9	29.94	760.5	75.6	24.2	74	se.	13.0	5.8	.....	.....	9ks;kn	.....	s;se	0	0	cloudy	The Staff.
MEXICAN.																			
Leon	24.30	617.2	29.99	761.7	57.2	14.0	67	nnw.	0.9	0.4	.....	10 c	0	sw.	.....	0	0	covered	M. Leal & M. Pina.
Mazatlan	29.69	754.2	29.95	760.8	70.0	21.1	85	ene.	0.9	0.4	.....	.....	8 kn	.....	se.	0	0	cloudy	L. I. Gutierrez.
NETHERLANDS.																			
Flushing	29.78	756.3	29.78	756.3	61.9	16.6	.....	ese.	.....	.....	2	.....	.....	.....	.....	0.051	1.3	.....	
Groningen	29.74	755.4	29.80	756.8	60.1	15.6	.....	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Helder	29.79	756.7	29.79	756.7	50.7	10.4	.....	e.	.....	.....	1	.....	.....	.....	.....	0.323	8.2	.....	
Hellevoetsluis	29.78	756.4	29.78	756.4	66.7	19.3	45	s.	.....	.....	1	.....	.....	.....	.....	0	0	.....	
Utrecht	29.74	755.4	29.79	756.6	59.7	15.4	44	nne.	.....	.....	2	.....	0	.....	.....	0.075	1.9	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.81	757.2	.....	.....	80.8	27.1	82	ne.	0.5	0.2	.....	.....	9	.....	.....	0.232	5.9	.....	Lt. J. J. Roptman, R. D. N.
NORWEGIAN.																			
Bergen	29.85	758.1	29.91	759.7	53.2	11.8	38	s.	2	1	.....	.....	10	.....	.....	0	0	.....	
Brono	30.00	761.9	30.04	762.9	46.4	8.0	60	n.	.....	.....	2	.....	1	.....	.....	0	0	.....	
Christiania	29.85	758.1	29.99	761.8	52.5	11.4	56	sw.	4	2	.....	.....	8	.....	.....	0	0	.....	
Gjæsvær	30.19	766.7	30.21	767.3	31.0	— 0.2	.....	wnw.	.....	.....	4	.....	10	.....	.....	0.004	0.1	snowing	
PORTUGUESE.																			
Funchal, Madeira	30.19	766.9	30.28	769.2	61.9	16.6	57	sw.	3.1	1.4	.....	.....	10	.....	.....	0	0	.....	Capt. D. A. de Cunha.
Lisbon, Observatory	29.67	753.7	30.02	762.4	53.1	11.7	64	nnw.	18.6	8.3	.....	.....	7	nw.	.....	0.059	1.5	.....	The Staff.
Ponta Delgada, Azores	30.41	772.4	30.48	774.2	63.7	17.6	59	n.	6.3	2.8	.....	.....	4	.....	.....	0	0	.....	
Saint Paul de Loando	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
St. Vincent, Cape Verd Ids.	29.91	759.8	29.95	760.7	74.7	23.7	80	ne.	.....	.....	3	.....	10	.....	.....	0	0	.....	
San Salvador, Congo	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
Serra da Estrella	25.08	637.0	29.97	761.3	30.6	— 0.8	100	nw.	23.0	10.3	.....	.....	10	.....	.....	0.043	1.1	foggy	
RUSSIAN.																			
Akmolinski	28.84	732.4	29.92	760.0	47.3	8.5	29	ese.	16	8	.....	.....	10 n	.....	.....	0	0	.....	Major K. Lasarew.
Archangel	29.95	760.6	29.97	761.1	41.9	5.5	74	sw.	2	1	.....	.....	10	.....	.....	0	0	light clouds	Capt. Sselliwerstow.
Ashuruda	30.09	764.3	30.00	761.9	61.7	16.5	92	ene.	4	2	.....	0	1 k	.....	.....	0.012	0.3	.....	
Astrakhan	30.00	762.1	29.93	760.2	52.7	11.5	22	nw.	7	3	.....	0	0	.....	.....	0	0	.....	Capt. Wisganow.
Baku	30.06	763.6	30.02	762.4	52.7	11.5	59	sse.	9	4	.....	0	3 s	.....	.....	.....	.....	.....	
Barnaul	29.74	755.3	30.25	768.4	41.0	5.0	45	ne.	13	6	.....	.....	0	.....	.....	0	0	.....	Meteorological Office.
Bielosersk	29.08	753.9	30.15	765.8	51.3	10.7	45	sse.	9	4	.....	3 cs	0	.....	.....	0	0	solar halo	
Dorpat	29.82	757.4	30.00	763.6	53.1	11.7	68	s.	7	3	.....	.....	10ks;n	.....	.....	0.173	4.4	light rain	Rosenthal.
Ekaterinburg	29.13	739.8	30.10	764.0	42.4	5.8	44	e.	9	4	.....	cs	9 n	.....	.....	0	0	.....	Meteorological Obs'y.
Elissawetgrad	29.53	750.0	29.98	761.4	55.9	13.3	30	e.	18	8	.....	8 c	0	.....	.....	0	0	light clouds	
Kasalinsk	29.39	746.5	29.57	751.0	55.9	13.3	80	wsw.	11	5	.....	.....	.....	.....	.....	.....	.....	.....	Butkewitsch.
Kasan	29.70	754.3	29.97	761.3	47.3	8.5	43	n.	7	3	.....	.....	10	.....	.....	0.043	1.1	.....	Observatory.
Kem	30.00	761.9	30.05	763.2	41.2	5.1	74	nw.	13	6	.....	0	5 ks	.....	.....	0.087	2.2	.....	
Kertch	29.68	753.9	29.71	754.5	52.0	11.1	47	e.	16	7	.....	8 c	0	.....	.....	0	0	.....	Lagorio & Sastyrea.
Kieff	29.38	746.3	30.02	762.5	52.5	11.4	32	se.	16	7	.....	1 c	0	.....	.....	0	0	light clouds	Observatory.
Koslov	29.58	751.2	30.09	764.2	44.4	6.9	56	ene.	22	10	.....	0	2 k	.....	.....	0	0	.....	
Lgov	29.60	751.8	30.19	766.9	49.3	9.6	46	e.	4	2	.....	.....	2	.....	.....	0	0	.....	R. I. Seaweljew, Engin'r.
Libau	29.94	760.4	29.96	761.0	50.2	10.1	86	ese.	9	4	.....	.....	10	.....	.....	0.134	3.4	raining	E. Quass.
Lugan	29.74	755.5	29.95	760.7	51.6	10.9	20	ene.	13	6	.....	.....	0	.....	.....	0	0	.....	Meteorological Obs'y.
Moscow	29.73	755.2	30.22	767.6	40.2	7.9	42	nnw.	7	3	.....	0	0	.....	.....	0	0	.....	Meteorological Obs'y.
Nertschinsk	27.34	694.3	29.64	752.8	37.2	2.9	66	nw.	18	8	.....	.....	10	.....	.....	0.016	0.4	.....	
Nikolaiev	29.80	756.8	29.87	758.6	55.8	13.2	27	e.	45	20	.....	0	0	.....	.....	0	0	.....	Capt. Kurdakow.

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Barometer. Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mets. p. sec	Force. c=10	Clouds. Amount and kind. Upper. c=10	Lower. c=10	Direction. Upper. From	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	Weather.	OBSERVERS.
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.60	751.9	29.69	754.1	29.8	— 1.2	82	calm	0	0	.....	3 ck	0	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.54	750.4	29.69	754.0	70.2	21.2	29	se.	2	1	.....	1 c	0	.....	.....	0	0	.....	Siang.
Petro-Alexandrovsk	29.51	749.5	29.85	758.3	58.3	14.6	52	w.	2	1	.....	.....	10 k	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.87	758.6	30.07	763.7	44.8	7.1	77	wsw.	11	5	.....	.....	10	.....	.....	0.039	1.0	light clouds	Dr. Bergmann.
Pinsk	29.49	749.0	29.95	761.6	52.2	11.2	46	se.	34	15	.....	.....	10 s	.....	.....	0	0	.....	
Poti	29.57	751 1	29.60	751.9	68.2	20.1	76	e.	13	6	.....	.....	10 n	.....	.....	blank	blank	.....	
St. Petersburg	30.07	763.8	30.10	764.4	46.2	7.9	85	s.	4	2	.....	.....	10	.....	.....	0.161	4.1	.....	Central Physical Obs'y.
Samarkand	27.38	695.4	29.80	756.8	61.3	16.3	83	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	light rain	Dresch.
Semipalatinsk	29.36	745.8	30.03	762.7	46.9	8.3	23	ne.	11	5	.....	.....	7	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.31	744.5	29.52	749.8	58.5	14.7	66	calm	0	0	.....	.....	9 n	.....	.....	0	0	.....	
Staroi Bykhov	29.54	750 4	30.10	764.4	56.8	13.8	35	se.	16	7	.....	0	1 k	.....	.....	0	0	light clouds	Carl Hagen.
Tashkend, Laboratory	28.11	714.1	29.59	754.2	77.2	25.1	44	calm	0	0	.....	.....	8 k	.....	.....	.....	.....	.....	Terch, A. M.
Tiflis	28.56	725.3	29.95	760.8	48.9	9.4	91	sse.	9	4	.....	.....	10	.....	.....	0.083	2.1	raining	Physical Observatory
Vernoe	27.30	693.3	29.72	755.0	63.7	17.6	65	calm	0	0	.....	.....	10 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.47	748.5	30.11	764.7	47.5	8.6	42	calm	0	0	.....	.....	0	.....	.....	0	0	.....	
Vladivostock	29.85	758.2	29.92	759.9	38.7	3.7	76	e.	13	6	.....	.....	0	.....	.....	0	0	.....	
Warsaw	29.38	746.3	29.81	757.1	47.3	8.5	86	se.	18	8	.....	.....	10 n	.....	.....	.....	.....	h'vy clouds.	Astronomical Obs'y.
Yeniseisk	29.97	761.1	30.26	768.6	41.2	5.1	45	w.	4	2	.....	.....	7	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.62	752.3	30.14	765.5	43.5	6.4	59	wnw.	1.2	0.5	.....	0	0	.....	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.47	748.5	29.58	751.3	51.4	10.8	90	e.	5.6	2.5	.....	.....	10	.....	.....	0.189	4.8	rainy	B. Jelin.
Bilbao, Met. Obs'y	29.74	755.3	29.80	756.8	56.1	13.4	72	nw.	2.5	1.1	.....	1	8	n.	.....	0.378	9.6	covered	Angel de Uralde.
Burgos, Met. Obs'y	26.85	681.9	29.87	758.6	42.8	6.0	77	n.	9.4	4.2	.....	.....	7	.....	.....	0.142	3.6	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.54	699.6	29.78	756.5	50.5	10.3	41	nw.	11.6	5.2	.....	.....	9	.....	.....	0.094	2.4	almost cov'd	The Staff.
Murcia, Met. Obs'y	29.56	750.9	29.69	754.0	60.3	15.7	53	wnw.	7.4	3.3	.....	3	4	ese.	.....	0.008	0.2	misty	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.00	736.5	29.91	759.6	47.1	8.4	83	nw.	8.7	3.9	.....	.....	10	.....	.....	0.433	11.0	rainy	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.10	764.6	30.17	766.3	70.2	21.2	68	sse.	5.6	2.5	.....	0	s	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.82	757.4	29.88	758.9	82.8	28.2	66	ese.	7.7	3.4	.....	0	k	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	29.91	759 8	30.01	762.3	57.0	13.9	64	w.	24.4	10.9	.....	.....	9	.....	w.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.96	761.0	30.05	763.3	75.6	24.2	68	e.	2.7	1.2	.....	4 km	3 kn	ne.	ne.	0	0	cloudy	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.10	764.5	30.14	765 5	43.2	6.2	56	n.	.....	.....	2	.....	8	.....	.....	0.016	0.4	.....	
Umea	30.04	763.1	30.10	764.4	45.0	7.2	50	e.	.....	.....	2	.....	7	.....	.....	0	0	.....	
Hernosand	30.03	762.7	30.08	764.0	50.4	10.2	55	sse.	.....	.....	2	.....	5	.....	.....	0	0	.....	
Stockholm	29.86	758.5	30.04	763.0	53.8	12.1	41	ese.	.....	.....	2	.....	6	.....	.....	0	0	.....	
Wisby	29.91	759.8	29.97	761.3	52.2	11.2	57	e.	.....	.....	6	.....	0	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.93	760.2	30.02	762 4	54.9	12.7	37	e.	5.1	2.3	.....	.....	9	.....	.....	0.004	0.1	.....	H.H.Hildebrandsson
Swiss																			
Geneva	28.27	718.0	29.69	754.0	55.4	13.0	49	n.	.....	.....	2	.....	3	.....	.....	0	0	.....	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.50	749 2	58.3	14.6	74	n.	14	6.5	.....	.....	9	.....	n.	0.236	6.0	.....	The Observatory.
Valona	.....	.....	29.89?	759.1?	67.3	19.6	.....	w.	.....	.....	2	.....	5	.....	.....	1.22	31.	½ covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.85	758.1	69.4	20.8	77	sw.	.....	.....	3	.....	10 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	29.99	761.7	30.07	763.8	44.5	6.9	56	w.	12	5.4	.....	.....	10 s	.....	w.	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.69	754.1	30.38	771.6	30.8	— 0.7	68	w.	5	2.2	.....	.....	0	.....	.....	inap.	inap.	clear	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.81	630.2	29.73	755.1	35.8	2.1	97	se.	2	0.9	.....	.....	10 n	.....	.....	0.25	6.3	light rain	J. B. Turton.
Assinnaboine, Ft., Montana	27.10	688.3	30.01	762.2	26.7	— 2.9	100	calm	0	0	.....	0	0	.....	.....	0	0	clear	J.J.O'Connor.
Atlanta, Georgia	29.02	737.1	30.21	767.3	64.5	18.1	75	w.	2	0.9	.....	1 c	fg.	w.	.....	0	0	clear	S. W. Beall.
Atlantic City, New Jersey	29.94	760.5	29.95	760.7	50.0	10.0	86	s.	8	3.6	.....	1 cs	0	.....	.....	0	0	clear	B.A.Blundon.
Augusta, Georgia	30.01	762.2	30.20	767.1	63.8	17.7	80	calm	0	0	.....	0	hz.	.....	.....	0	0	clear	W.J.Evans.
Baltimore, Maryland	30.05	763.3	30.10	764.5	61.8	16.6	39	w.	5	2.2	.....	0	0	.....	.....	0	0	clear	Geo. W. Fisher.
Barnegat City, New Jersey	29.97	761.2	29.99	761.7	47.0	8.3	95	sw.	12	5.4	.....	.....	fg.	.....	.....	inap.	inap.	dense fog	J.P.Sherry.
Bennett, Fort, Dakota	27.93	709.4	29.57	751.1	54.2	12.3	97	se.	28	12.5	.....	.....	10 s	.....	se.	1.39	35.3	threatening	A. Pritchard.
Benton, Fort, Montana	27.16	689.9	30.02	762.5	30.1	— 1.1	72	calm	0	0	.....	.....	10 s	.....	ne.	0	0	cloudy	U.S.Bennett.
Bismarck, Dakota	27.89	708.4	29.77	756.1	36.5	2.5	100	e.	16	7.2	.....	.....	10 n	.....	ne.	0.56	14.2	heavy rain	B. O. Lenoir.
Block Island, Rhode Island	29.96	761.0	29.99	761.7	42.6	5.9	100	nw.	9	4.0	.....	.....	fg.	.....	.....	0	0	dense fog	J. T. Elker.
Boise City, Idaho	26.87	682.5	29.71	754.6	43.8	6.6	68	nw.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	James Kenealy.
Boston, Massachusetts	29.80	756.9	29.96	761.0	43.0	6.1	93	w.	8	3.6	.....	0	6 ks; hz	.....	w.	0	0	fair	O. B. Cole.
Brownsville, Texas	29.74	755.4	29.80	756 9	74.3	23.5	90	s.	16	7.2	.....	.....	10 s	.....	s.	0.14	3.6	cloudy	John McGlone.
Buffalo, New York	29.47	748.5	30.24	768 1	31.7	— 0.2	79	nw.	12	5.4	.....	.....	10 s	.....	nw.	0	0	cloudy	D.Cuthbertson.
Buford, Fort, Dakota	27.81	706.4	29.91	759.7	34.8	1.6	94	ne.	16	7.2	.....	.....	10 n	.....	ne.	0.09	2.3	light rain	A. Schneider.
Cairo, Illinois	29.71	754.6	30.12	765.0	61.6	16.4	85	se.	6	2.7	.....	7 ck	0	sw.	.....	0.02	0.5	fair	W. H. Ray.
Canby, Fort, Washington Ter	29.85	758.2	30.05	763.3	48.0	8.9	76	w.	11	4.9	.....	3 c	3 k	.....	.....	0	0	fair	J.H.Young.
Cape Henry, Virginia	30.06	763.5	30.08	764.0	58.0	14.4	86	ne.	1	0.4	.....	0	6 s; hz	.....	.....	0	0	fair	A. K. Alderson.
Cape May, New Jersey	29.99	761.7	30.02	762.5	52.5	11.4	83	w.	6	2.7	.....	hz.	0	.....	.....	0	0	clear	W.E.Smith.
Cape Mendocino, California	29.30	744.2	29.99	761.7	44.5	6.9	83	nw.	24	10.7	.....	0	8 s	.....	nw.	inap.	inap.	cloudy	A. P. Leavitt.
Cedar Keys, Florida	30.18	766.6	30.20	767.1	72.0	22.2	76	se.	5	2.2	.....	0	0	.....	.....	inap.	inap.	clear	G. W. Davis.
Charleston, S. Carolina	30.05	763.3	30.11	764 8	66.9	19.4	84	w.	7	3.1	.....	8 c	0	nw.	.....	0	0	cloudy	J. H. Smith.
Charlotte, N. Carolina	29.29	744.0	30.15	765.8	63.0	17.2	68	nw.	4	1.8	.....	.....	10 s	.....	nw.	0	0	cloudy	D. O'Donoghue.
Chattanooga, Tennessee	29.37	746.0	30.20	767.1	56.0	13.3	100	se.	1	0.4	.....	.....	fg.	.....	.....	0.52	13.2	dense fog	B. L. Goulding.
Cheyenne, Wyoming	23.66	601.0	29.68	753.9	25.8	— 3.4	84	nw.	1	0.4	.....	0	3 s	.....	.....	0.17	4.3	clear	E. McGovern.
Chicago, Illinois	29.49	749.0	30.22	767 6	43.7	6.5	78	e.	10	4.5	.....	0	0	.....	.....	0	0	clear	T.B.Jennings.
Chincoteague, Virginia	30.03	762.7	30.05	763.3	57.7	14.3	75	nw.	7	3.1	.....	3 ck	hz.	.....	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.54	750.3	30.21	767 3	59.6	15.3	57	e.	3	1.3	.....	2 c	0	w.	.....	0	0	clear	L. Dunne.
Cleveland, Ohio	29.54	750.3	30.30	769.6	36.2	2.3	82	ne.	11	4.9	.....	0	9 ks	.....	ne.	0	0	cloudy	W. Line.
Columbus, Ohio	29.38	746.2	30.25	768.3	48.1	8.9	60	ne.	12	5.4	.....	0	0	.....	.....	0	0	clear	F.T. Williams.
Concho, Fort, Texas	27.95	709.9	29.89	759.2	56.7	13.7	93	nw.	3	1.3	.....	0	8 k	.....	nw.	2.60	66.0	cloudy	C. E. King.
Custer, Fort, Montana	26.63	676.4	29.81	757.2	32	0.0	100	n.	8	3.6	.....	.....	10 n	.....	.....	0.07	1.8	heavy snow	W.J.Daily.
Davenport, Iowa	29.42	747.3	30.09	764.3	47.2	8.4	68	e.	15	6.7	.....	.....	10 s	.....	se.	inap.	inap.	cloudy	R. R. Martin.
Davis, Fort, Texas	25.10	637.5	29.88	758.9	50.0	10.0	80	e.	6	2.7	.....	0	0	.....	.....	0	0	clear	J. Williams.
Dayton, Washington T'y	28.15	715.0	29.91	759.7	45.0	7.2	74	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	H.S.Blandford.
Deadwood, Dakota	24.99	634.7	29.68	753.9	30.0	— 1.1	100	ne.	2	0.9	.....	.....	10 n	.....	.....	0.22	5.6	light snow	G.Kingsbury.
Delaware Breakwater, Del	30.03	762.7	30.05	763.3	53.7	12.1	71	nw.	7	3.1	.....	0	0	.....	.....	0	0	clear	G.A.Martin.
Denver, Colorado	24.45	621.0	29.72	754.9	39.2	4.0	74	sw.	6	2.7	.....	0	4 s	.....	.....	inap.	inap.	fair	F. M. Neal.
Des Moines, Iowa	28.92	734.6	29.85	758.2	58.2	14.6	84	se.	12	5.4	.....	.....	10 n	.....	se.	0.35	8.9	thund'r st'm	F. W. Conrad.
Detroit, Michigan	29.60	751.8	30.32	770.1	35.8	2.1	79	n.	9	4.0	.....	0	0	.....	.....	0	0	clear	N.B.Conger.
Dodge City, Kansas	27.11	688.6	29.75	755.6	56.8	10.4	83	s.	16	7.2	.....	0	0	.....	.....	0.35	8.9	clear	J.E.Lanouette.
Dubuque, Iowa	29.41	747.0	30.14	765.5	48.2	9.0	50	e.	10	4.5	.....	.....	10 k	.....	se.	inap.	inap.	cloudy	A.W.Browne.
Duluth, Minnesota	29.48	748.8	30.25	768.3	32.7	0.4	92	ne.	31	13.9	.....	.....	10 s	.....	.....	0	0	cloudy	E.R.Brace.
Eastport, Maine	29.89	759 2	29.96	761.0	40.0	4.4	89	calm	0	0	.....	.....	10 s	.....	sw.	0.02	0.5	cloudy	D. C. Murphy.
Elliott, Fort, Texas	27.05	687.1	29.83	757.7	49.3	9.6	51	sw.	17	7.6	.....	0	2 s	.....	.....	0.70	17.8	clear	J. C. Rickli.
El Paso, Texas	26.12	663 4	29.86	758.4	43.2	6.2	49	w.	4	1.8	.....	0	0	.....	.....	0	0	clear	F.Belford.
Erie, Pennsylvania	29.52	749.8	30.27	768.8	36.5	2.5	73	ne.	7	3.1	.....	.....	10 s	.....	.....	0	0	cloudy	P.Wood.
Escanaba, Michigan	29.68	753.9	30.37	771.4	30.0	— 1.1	78	ne.	9	4.0	.....	0	0	.....	.....	inap.	inap.	clear	L.M.Pindell.
Fort Smith, Arkansas	29.47	748.5	29.95	760.7	67.4	19.7	78	s.	3	1.3	.....	.....	10 s	.....	s.	0.05	1.3	cloudy	J. B. Campbell.
Galveston, Texas	29.88	758.9	29.92	760.0	71.6	22.0	88	se.	15	6.7	.....	3 cs	3 ks	sw.	sw.	0.02	0.5	fair	E. O'C. Macinerney
Grand Haven, Michigan	29.62	752 3	30.31	769.9	41.0	5.0	48	n.	12	5.4	.....	6 ck	0	w.	.....	0	0	fair	Joseph E. Mueller
Grant, Fort, Arizona	25.06	636.5	29.79	756.7	37.8	3.2	64	ne.	3	1.3	.....	0	0	.....	.....	0.12	3.0	clear	Chas. A. Read.
Hatteras, North Carolina	30.04	763.0	30.05	763.3	63.5	17.5	93	s.	5	2.2	.....	0	4 s	.....	e.	0	0	fair	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	c=10	c=10	c=10	From.	From.	Inch.	Mill.		
UNITED STATES.—Cont'd.																			
Helena, Montana	25.71	653.0	29.92	760.0	37.2	2.9	66	n.	4	1.8	.....	.....	10 s	.....	.....	0	0	cloudy	S. W. Morrison.
Huron, Dakota	28.24	717.3	29.69	754.1	52.9	11.6	93	se.	16	7.2	.....	.....	10 n	.....	se.	0.30	7.6	light rain	S. W. Glenn.
Indianapolis, Indiana	29.37	746.0	30.19	766.8	57.3	14.1	44	se.	6	2.7	.....	0	9 k	.....	se.	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.82	757.4	29.85	758.2	71.3	21.8	93	se.	19	8.5	.....	.....	10 s	.....	s.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.14	765.5	30.18	766.6	69.3	20.7	76	s.	5	2.2	.....	0	0	.....	.....	0	0	clear	J. W. Smith.
Keokuk, Iowa	29.32	744.7	29.99	761.7	58.3	14.6	93	e.	14	6.3	.....	.....	10 s	.....	e.	0.08	2.0	cloudy	F. Z. Gosewisch.
Key West, Florida	30.14	765.5	30.16	766.1	76.3	24.6	57	se.	11	4.9	.....	0	3 k	.....	s.	0	0	clear	J. Harvey Smith.
Kittyhawk, North Carolina	30.02	762.5	30.04	763.0	65.2	18.4	85	sw.	12	5.4	.....	7 ck	0	sw.	.....	0	0	fair	Wesley Blake.
Knoxville, Tennessee	29.16	740.7	30.20	767.1	60	15.6	90	e.	1	0.4	.....	0	2 ks	.....	.....	inap.	inap.	clear	J. A. Cody.
La Crosse, Wisconsin	29.32	744.7	30.12	765.0	44.0	6.7	45	se.	10	4.5	.....	.....	10 s	.....	.....	0	0	cloudy	S. C. Emery.
Leavenworth, Kansas	28.85	732.8	29.76	755.9	64	17.8	81	se.	13	5.8	.....	3 c	5 s	w.	s.	0.02	0.5	cloudy	C. Dill.
Lewiston, Idaho	29.07	738.4	29.92	760.0	44.0	6.7	76	ne.	1	0.4	.....	0	0	.....	.....	0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.72	754.9	30.04	763.0	65.6	18.7	91	s.	1	0.4	.....	.....	10 s	.....	.....	0.39	9.9	cloudy	W. U. Simons.
Los Angeles, California	29.51	749.5	29.91	759 7	48.3	9.1	91	e.	7	3.1	.....	0	0	.....	.....	0.12	3.0	clear	T. S. Collins.
Louisville, Kentucky	29.58	751.3	30.15	765.8	61.2	16.2	83	calm	0	0	.....	0	sk.	.....	.....	inap.	inap.	dense smoke	E. B. Garriott.
Lynchburg, Virginia	29.42	747.3	30.14	765.5	63.0	17.2	75	calm	0	0	.....	7 cs	2s;sk	.....	.....	0	0	cloudy	Jno. Healy.
Mackinaw City, Michigan	29.71	754.6	30.39	771.9	31.8	— 0.1	87	ne.	9	4.0	.....	0	0	.....	.....	inap.	inap.	clear	D. B. Notson.
Macon, Fort, North Carolina	30.06	763.5	30.07	763.8	64.0	17.8	94	sw.	10	4.5	.....	0	8 k;s	.....	sw.	inap.	inap.	cloudy	William Daly.
Maginnis, Fort, Montana	25.43	645.9	29.93	760.2	31.8	— 0.1	71	ne.	8	3.6	.....	.....	10 n	.....	.....	0.05	1.3	light snow	F. Burke.
Marquette, Michigan	29.65	753.1	30.40	772.1	32.6	0.3	78	calm	0	0	.....	4 ck	0	nw	.....	0	0	fair	J. Gilligan.
Memphis, Tennessee	29.76	755.9	30.10	764.5	66.0	18.9	81	se.	4	1.8	.....	10 cs	hz.	sw.	.....	0.01	0.3	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.52	749.8	30.29	769.4	36.8	2.7	75	ne.	13	5.8	.....	8 ck	0	w.	.....	0	0	cloudy	S. W. Rhode.
Mobile, Alabama	30.10	764.5	30.14	765.5	67.2	19.6	93	se.	5	2.2	.....	6 ck	3 k	se.	n.	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.94	760.5	30.17	766 3	65.9	18.8	83	sw.	2	0.9	.....	0	9 ks	.....	sw.	0	0	cloudy	S. M. Leitzell.
Moorhead, Minnesota	28.85	732.8	29.88	758.9	41.0	5.0	84	e.	16	7.2	.....	.....	10 n	.....	e.	0.08	2.0	light rain	L. M. Dey.
Mt. Washington, N. H.	23.54	597.9	29.95	760.7	19.5	— 6.9	93	nw.	22	9.8	.....	.....	fg.	.....	nw.	0.10	2.5	dense fog	E. A. Beals.
Nashville, Tennessee	29.57	751.1	30.15	765.8	60.0	15.6	93	se.	3	1.3	.....	0	6 k	.....	sw.	0.10	2.5	fair	L. N. Jesunofsky.
New Haven, Connecticut	29.88	758.9	30.00	762.0	44.2	6.8	93	nw.	1	0.4	.....	.....	10s;sk	.....	nw.	0	0	cloudy	J. H. Sherman.
New London, Connecticut	29.96	761.0	30.01	762.2	44.5	6.9	87	sw.	1	0.4	.....	.....	10 s	.....	sw.	0	0	cloudy	J. G. Lynch.
New Orleans, Louisiana	30.02	762.5	30.08	764.0	69.8	21.0	81	se.	4	1.8	.....	2 ck	hz.	nw.	.....	0	0	clear	M. Herman.
New York, New York	29.84	757.9	30.02	762.5	47.2	8.4	90	calm	0	0	.....	.....	fg.	.....	.....	0	0	dense fog	W. Finn.
Norfolk, Virginia	30.01	762.2	30.04	763.0	62.3	16.8	81	ne.	2	0.9	.....	.....	10 ks	.....	nw.	0	0	cloudy	Wm. Davis.
North Platte, Nebraska	26.61	675.9	29.57	751.1	54.6	12.6	92	s.	16	7.2	.....	0	8 s	.....	se.	0.56	14.2	cloudy	E. F. Brady.
Olympia, Washington Ter'y	29.99	761.7	30.03	762.7	48.0	8.9	71	s.	3	1.3	.....	.....	10 s	.....	.....	0	0	cloudy	J. Dascomb.
Omaha, Nebraska	28.52	724 4	29.73	755.1	60.0	15.6	95	s.	6	2.7	.....	.....	10 n	.....	s.	0.81	20.6	light rain	A. Pollak
Oswego, New York	29.80	756.9	30.14	765.5	36.8	2.7	83	n.	16	7.2	.....	.....	10 s	.....	n.	0	0	cloudy	J. G. Linsley.
Palestine, Texas	29.38	746.2	29.94	760.5	67.1	19.5	90	se.	9	4.0	.....	.....	10 s	.....	s.	0	0	cloudy	P. T. Jenkins.
Pensacola, Florida	30.13	765.3	30.16	766.1	69.7	20.9	90	se.	8	3.6	.....	7 ck	0	sw.	.....	0	0	fair	M. McGauran.
Philadelphia, Pa	29.89	759.2	30.02	762.5	50	10.0	93	sw.	8	3.6	.....	8 ck	hz.	nw.	.....	0	0	cloudy	T. F. Townsend.
Pike's Peak, Colorado	17.37	441.2	29.65	753.1	— 5.0	—20.6	89	w.	28	12.5	.....	0	0	.....	.....	0.01	0.3	clear	H. Hall.
Pittsburg, Pennsylvania	29.37	746.0	30.20	767.1	47.7	8.7	70	nw.	6	2.7	.....	0	0	.....	.....	0	0	clear	O. D. Stewart.
Poplar River, Montana	.....	.....	.....	.....	33.3	0.7	100	.....	.....	.....	.....	.....	10 n	.....	ne.	0.22	5.6	light rain	Geo. A. Carden.
Port Huron, Michigan	29.58	751.3	30.28	769.1	34.2	1.2	72	n.	18	8.0	.....	0	0	.....	.....	0	0	clear	M. H. Perry
Portland, Maine	29.87	758.7	29.92	760.0	44.0	6.7	83	w.	4	1.8	.....	.....	10s;fg	.....	w.	0.02	0.5	cloudy	W. W. Eichelberger.
Portland, Oregon	29.98	761.5	30.06	763.5	49.4	9.7	60	nw.	6	2.7	.....	.....	10 s	.....	.....	0	0	cloudy	M. L. Hearne.
Prescott, Arizona	24.50	622.3	29.77	756.1	35.2	1.8	92	s.	4	1.8	.....	.....	10 n	.....	.....	0.09	2.3	light snow	J. Glover.
Provincetown, Mass	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	O. N. Kitchel.
Red Bluff, California	29.56	750.8	29.92	760.0	48.5	9.2	68	nw.	14	6.3	.....	0	0	.....	.....	0	0	clear	J. R. Williams.
Rio Grande City, Texas	29.57	751.1	29.81	757 2	72.9	22.7	97	se.	4	1.8	.....	0	0	.....	.....	inap.	inap.	clear	L. G. Schultz.
Rochester, N. Y.	29.52	749 8	30.21	767.3	32.2	0.1	68	nw.	21	9.4	.....	0	8 k	.....	nw.	0	0	cloudy	E. W. McGann.
Roseburg, Oregon	29.55	750.6	30.11	764.8	45.1	7 3	91	calm	0	0	.....	.....	10 k	.....	w.	0	0	cloudy	J. J. Nanry.
Sacramento, California	29.80	756.9	29.87	758.7	51.0	10.6	86	calm	0	0	.....	0	0	.....	.....	0	0	clear	J. A. Barwick.
St. Louis, Missouri	29.42	747.3	30.05	763.3	63.0	17.2	91	se.	15	6.7	.....	.....	10 s	.....	se.	inap.	inap.	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.67	753.6	29.70	754.4	31	— 0.6	94	ne.	9	4.0	.....	0	4 s	.....	ne.	0	0	fair	Fred. H. Clarke.
St. Paul, Minnesota	29.12	739.6	30.00	762.0	44.8	7.1	78	se.	28	12.5	.....	.....	10 s	.....	se.	0.03	0.8	cloudy	P. F. Lyons.
St. Vincent, Minnesota	29.14	740.1	30.05	763.3	37	2.8	89	se.	12	5.4	.....	.....	10 s	.....	se.	0.04	1.0	cloudy	C. B. Dilley.
Salt Lake City, Utah	25.32	643.1	29.69	754.1	38.6	3.7	70	calm	0	0	.....	.....	10 ks	.....	sw.	0.07	1.8	threatening	J. Craig.
San Diego, California	29.83	757.7	29.90	759.4	51.4	10.8	93	e.	6	2.7	.....	0	8 k	.....	w.	0.24	6.1	cloudy	F. R. Day.
Sandusky, Ohio	29.62	752.3	30.32	770.1	39.8	4.3	68	ne.	15	6.7	.....	0	6 k	.....	ne.	0	0	fair	B. F. Hough.
Sandy Hook, New Jersey	30.00	762.0	30.03	762.7	46.5	8.1	94	n.	17	7.6	.....	.....	fg.	.....	.....	0	0	dense fog	V. P. Chappel.
Sanford, Florida	30.12	765.0	30.17	766.3	62.5	16.9	89	se.	5	2.2	.....	0	fg.	.....	.....	0	0	clear	J. B. Marbury
San Francisco, California	29.82	757.4	29.89	759.2	51.4	10.8	87	calm	0	0	.....	0	2s;fg	.....	se.	inap.	inap.	clear	N. Gorom.
Savannah, Georgia	30.06	763.5	30.15	765.8	68	20.0	72	w.	5	2.2	.....	0	0	.....	.....	0.11	2.8	clear	H. W. Ford.
Shaw, Fort, Montana	26.30	668.0	29.98	761.5	28.5	— 1.9	79	ne.	2	0.9	.....	0	9 k	.....	ne.	0	0	cloudy	A. L. Mathews.
Shreveport, Louisiana	29.75	755.6	29.99	761.7	69.5	20.8	83	se.	6	2.7	.....	.....	9 s	.....	se.	0.01	0.3	cloudy	E. N. Meekins.
Sitka, Alaska	30.06	763.5	30.13	765.3	37.5	3.1	72	calm	0	0	.....	0	0	.....	.....	0.10	2.5	clear	F. W. Pickett.
Smithville, North Carolina	30.04	763.0	30.08	764.0	65.2	18.4	98	sw.	3	1.3	.....	.....	10 s	.....	w.	inap.	inap.	cloudy	O. Parker.
Spokane Falls, Wash. Ter.	27.76	705.1	29.82	757.4	40.0	4.4	78	calm	0	0	.....	0	7 k	.....	.....	0	0	fair	D. Moore.
Springfield, Illinois	29.41	747.0	30.11	764.8	60.0	15.6	80	se.	5	2.2	.....	3 k	7 ks	se.	se.	0	0	cloudy	W. Norrington.
Stockton, Fort, Texas	26.88	682.7	29.91	759.7	46.0	7.8	50	calm	0	0	.....	0	0	.....	.....	inap.	inap.	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	29.92	760.0	30.01	762.2	48.2	9.0	84	calm	0	0	.....	0	9 ks	.....	se.	0	0	cloudy	R. Connor.
Thomas, Camp, Arizona	27.14	689.3	29.87	758.7	35.7	2.1	70	w.	.....	.....	1	0	3 ks	.....	w.	0.04	1.0	clear	R. C. Lord.
Toledo, Ohio	29.58	751.3	30.28	769.1	40.2	4.6	80	ne.	13	5.8	.....	0	6 k	.....	e.	0	0	fair	A. Buell.
Unalashka, Alaska	29.13	739.9	29.15	740.4	36	2.2	89	sw.	4	1.8	.....	.....	10 s	.....	.....	0.64	16.3	cloudy	Samuel Applegate.
Vicksburg, Mississippi	29.85	758.2	30.11	764.8	58.7	20.4	89	s.	3	1.3	.....	0	6 s	.....	w.	0	0	fair	F. W. Mixer.
Washington, D. C.	30.00	762.0	30.12	765.0	56.2	13.4	62	nw.	1	0.4	.....	4 c	hz.	nw.	.....	0	0	fair	T. B. Harrison.
West Las Animas, Colorado	25 72	653.3	29.67	753.6	41	5.0	24	sw.	13	5.8	.....	0	0	.....	.....	0	0	clear	F. H. Brandenburg
Wilmington, N. Carolina	30.03	762.7	30.09	764.3	65.0	18.3	90	w.	2	0.9	.....	.....	10 s	.....	w.	0	0	cloudy	L. H. Albrecht.
Yankton, Dakota	28.26	717.8	29.60	751.8	55.7	13.2	94	se.	17	7.6	.....	.....	10 n	.....	se.	0.39	9.9	light rain	E. H. Thompson.
Yuma, Arizona	29.69	754.1	29.84	757.9	52.7	11.5	63	sw.	3	1.3	.....	0	1 s	.....	se.	0	0	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.91	759.7	29.93	760.2	34.2	1.2	.....	e.	25	11.2	.....	.....	10 n	.....	.....	0.01	0.3	cloudy	George Cheruick.
Bluefields, Nicaragua, C. A.	.....	.....	.....	.....	80	26.7	.....	nw.	.....	.....	2	2 c	2 k	.....	ne.	0.03	0.8	fair	W. F. Jackson.
Bogota, U. S. C.	22.03	559.6	.....	.....	50.0	10.0	89	sw.	2	1	.....	4c;cs	0	s.	.....	0.004	0.1	.....	Joaquin Gomez.
Chimo, Fort, Ungava	30.30	769.6	30.45	773.4	15	— 9.4	83	nw.	.....	.....	4	.....	10 s	.....	w.	0	0	cloudy	L. M. Turner.
Kingston, Jamaica, W. I.	.....	.....	30.00	762.0	79	26.1	67	calm	0	0	.....	0	0	.....	.....	0	0	fine	Robert Johnstone.
Paramaribo, S. A.	30.01	762.2	30.01	762.2	78	25.6	91	e.	.....	.....	1	4 c	5 k	e.	.....	0.310	7.9	.....	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.44	747.8	30.00	762.0	79	26.1	89	calm	.....	.....	0	.....	10 k	.....	calm	0.10	2.5	cloudy	Francisco J. Olsuna.
Rivas, Nicaragua, C. A.	29.92	760.0	30.08	764.0	78.5	25.8	83	ne.	.....	.....	1	.....	.....	.....	.....	0	0	clear	Earl Flint.
York Factory, B. A.	29.87	758.7	29.93	760.2	15.5	— 9.2	91	sw.	11	4.9	.....	1 c	0	sw.	.....	0	0	.....	Fortescue & Wood.
U. S. OF COLOMBIA. *(Sub series).*																			
Colon	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	P. Fasiani.
Naos, Bay of Panama	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill			
District No. 1—North Atlantic.																		
S. S. Alvo, N. 33° 30′, W. 74° 14′ *	30.09	764.3	66	18.9		wsw.			3		5			1 h'r	1 h'r	long	con.	fine.
S. S. Anchoria, N. 53° 14′, W. 10° 30′						s.			4		10		s.	20 h'r	20 h'r	mod.	nw.	cloudy.
S. S. Assyrian Monarch, N. 49° 54′, W. 19° 10′†	30.10	764.5	51	10.6		nnw.			6		7		n.	1 h'r	1 h'r	mod.	nw.	fair.
S. S. Bohemia, N 43° 14′, W 36° 05′						w.			3		7		wsw.	0	0	mod.	w.	fair.
S. S. Bothnia N. 40° 31′, W. 72° 08′	30.00	762.0	51	10.6	93	calm			0		10			0	0	sm'h		dense fog
S. S. City of Washington, N. 34° 50′, W. 75° 00′*†	30.10	764.5				s.			3		5		ne.	0	0	h'vy	ne.	fine.
Bk. C. S. Bushnell, N. 42° 38′, W 65° 07′	29.96	761.0				nnw.			2		10		n.	0	0	sm'h	ne.	foggy.
S. S. Circassian, N. 46° 23′, W. 53° 45′	30.10	764.5	38	3.3	100	s.			2		10		s.			2	se.	rain & fog.
S. S. Cienfuegos, N. 27° 51′, W. 76° 22′	30.20	767.1	72	22.2		nne.			1		0			0	0	small	nne.	clear.
S. S. Canada, (Fr) N. 40° 40′, W. 73° 07′			48.2	9.0		wnw.			1							sm'h	wnw.	misty.
S. S. Denmark, N. 40° 51′, W. 49° 51′ †	30.23	767.8	63	17.2	89	se.			4		8		calm	4 h'r	4 h'r	mod.	se.	cloudy.
S. S. Elbe, N. 48° 00′, W. 28° 30′	30.26	768.6	51.8	11		nnw.			3		8		nnw	3 h'r	3 h'r	sm'h	nnw.	fair.
S. S. Gellert, N. 41° 06′, W. 45° 29′	30.40	772.1	69	20.6		s.			4		2		s.	0	0	mod.	s	clear.
S. S. Gallia, N. 44° 42′, W. 30° 25′						nw.			3		10			0	0	mod.	nw.	overcast.
S. S. Holland, N. 41° 03′, W. 62° 09′ *	29.81	757.2	54	12.2		nw.			4		10		nw.	2 h'r	2 h'r	light	nw.	dense fog.
S. S. Helvetia, N. 48° 02′, W. 31° 02′	30.23	767.8	58	14.4	94	n.			4		10			0	0	sm'h		overcast.
Bg. L. & W. Armstrong, N. 31° 30′, W 66° 50′						nnw.			4		2		nnw.	1 h'r	1 h'r	mod.		
S. S. Lone Star, N. 25° 35′, W. 85° 00′ *	30.08	764.0	76	24.4		ese.			5		3		sse.	0	0	large	ese.	clear.
S. S. Llandaff City, N. 44° 08′, W. 32° 52′ *†			64	17.8		wnw.			5		7		nw.	0	0	sm'h		dense fog.
S. S. Madrid, N. 47° 28′, W. 40° 05′ †	30.31	769.9	62	16.7	88	wsw.			3		4			0	0	sm'h	var.	fair.
S. S. Main, N. 49° 45′, W. 6° 49′	29.85	758.2	51.8	11.0		nne.			3		2		nne.	0	0	sm'h	nne.	clear.
S. S. Orinoco, New York, N. Y †	30.08	764.0				n.			1		0			0	0			hazy.
S. S. Republic, N. 44° 02′, W. 42° 12′†	30.50	774.7	60	15.6		s.			1		8		s.	0	0	light	sw.	d. clouds,
S. S. Rosse, N. 47° 12′, W. 20° 37′			55	12.8	74	nnw.			5		8		nnw.	0	0			cloudy
S. S. Rhaetia, N. 40° 36′, W. 70° 12′	29.94	760.5	43	6.1		wnw.			4		10			12 h'r	12 h'r	mod.	n.	foggy.
S. S. State of Nebraska, N. 40° 57′, W. 67° 22′			36	2.2							5		w.	0	0	sm'h		dense fog.
S. S. State of Georgia, N. 42° 51′, W. 46° 26′†	30.42	772.7	66	18.9		s.			5		9		s.	0	0	light	ese.	cloudy.
Bk. Tuck Sing, N. 36° 12′, W. 72° 08′ *†	30.08	764.0				wnw.			2		0			0	0	long	e.	clear.
S. S. The Queen N. 40° 51′, W. 60° 01′	29.87	758.7	62	16.7		e.			1		10		e.	6 h'r	6 h'r	long	se.	rainy.
S. S. Valencia, Puerto Cabello, Venezuela†	29.95	760.7	81	27.2	89	ene.			2		8		e.	0	0			
S. S. Virginian, N. 45° 43′, W. 40° 23′			73	22.8		ssw.			3				sw.	0	0	sm'h		clear.
S. S. Wieland, N. 42° 15′, W. 52° 08′			60	15.6		s.			3		2		ssw.	0	0	mod.	ssw.	fair.
S. S. Weser, N. 38° 23′, W. 63° 33′	29.82	757.4	50.8	16.		nne.			4		10		nne.	4 h'r	4 h'r	3	nne.	light rain.
S. S. Westerniand, N. 40° 34′, W. 71° 59′	29.96	761.0	42	5.6	100	wnw.			3		10			0	0	sm'h		fogny.
Schr Adda Doane, Port Antonio, Jamaica, W.I						e.			1		2		e.	0	0			clear.
S. S. America, N. 49° —′, W. 11° —′*	29.82	757.4	54	12.2		wsw.			2		7			0	0	light	nw.	fair.
S. S. Andes, Port Morant, Jamaica, W. I						ne.			3							sm'h		fine.
Bg. Belle of the Bay, N. 23° 56′, W. 80° 28′						ne.			5		4		ne	0	0	sm'h	ne.	fair.
S. S. British Princess, N. 43° 40′, W. 41° 00′ †.	30.48	774.2				wsw.			2		10			0	0	sm'h		overcast.
S. S. Caracas, N. 28° 28′, W. 70° 00′ *†	30.01	762.2	70.5	21.4	68	nnw.			5–6		0			2 h'r	2 h'r	r'gh	nnw.	clear.
S. S. City of Merida, N. 21° 17′, W. 89° 40′*†	29.90	759.4	77	25.0		e.			3		0			0	0			clear
S. S. Devonia, N. 52° 15′, W. 28° 30′ †	30.17	766.3	42	5.6		wnw.			5		9		wnw.	3 h'r	3 h'r	mod.	nw.	cloudy.
S. S. Erin, N. 49° 55′ W. 5° 17′	29.88	758.9	49	9.4		calm			0		8		ne.	0	0	sm'h		hazy.
S. S. England, N. 43° 46′, W. 39° 52′	30.55	776.0				wsw.			4		0			0	0	mod.	sw.	clear.
S. S. Germanic, N. 44° 55′, W. 38° 47′	30.50	774.7	63	17.2	89	sw.			3		10			2 h'r	2 h'r	light	n.	hazy.
S. S. Grecian, Glasgow, Scotland	29.77	756.1	48	8.9	77	n.			2		10			0	0			hazy.
S. S. Habsburg, N. 48° 28′, W. 32° 28′						wsw.			2		10			0	0	mod.	nnw.	overcast.
Bk. Idaho, Cienfuegos, Cuba, W. I*†	30.15	765.8				ne.			1		0			0	0			clear.
S. S. Italy, N 46° 25′, W. 33° 30′*	30.40	772.1	62	16.7	88	w.			4		8		w.	0	0	mod.	w.	cloudy.
Bg. Lilian, N. 14° 30′, W. 60° 21′†	30.01	762.2				ene.			2		7		ne.	0	0	sm'h	e.	fair.
S. S. Labrador, N. 47° 30′, W. 36° 14′						w.			4		3		wsw.	0	0	sm'h	w.	clear.
S. S. Neckar, N. 41° 46′, W. 59° 16′	29.80	756.9	57.2	14.		s.			4		10			driz.	driz	mod.	s.	foggy.
S. S. New York, N. 26° 07′, W. 86° 45′*†	30.16	766.1	76	24.4		ese.			4		3		sse.			mod.	se.	clear.
S. S. Pennsylvania, N. 49° 56′, W. 22° 36′ †	30.16	766.1	47	8.3	100	wnw.			6		6		nw.	1 h'r	1 h'r	mod.	wnw.	rainy
S. S. Prussian, N. 49° 09′, W. 32° 57′	30.31	769.9	52	11.1		wsw.			3					2 h'r	2 h'r	mod	w.	rain & fog.
S. S. Pavonia, N. 45° 03′, W. 43° 27′	30.43	772.9	64	17.8	78	ssw.			5		9		sw.	0	0	mod.	sw	cloudy
U. S. S. Galena, N. 21° 16′, W. 84° 34′	30.06	763.5	79	26.1	66	ene.			4		5		ene.			mod.	ene.	fair.
U. S. S. Jamestown, N. 17° 48′, W. 64° 05′	30.09	764.3	77	25.0	69	nne.			4		8		nne.			sm'h	nne.	fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.55	750.6	65	18.3	78	w.			4		10		w.					cloudy.
U. S. S. Lancaster, Smyrna, Turkey			65	18.3	94	w.			5		10		w.			chop	w.	rain squalls
U. S. S. New Hampshire, Newport, R. I	29.98	761.5	41	5.0	49	sw.			2		10							cloudy.
U. S. S. Ossipee, Hampton Roads, Va*	30.05	763.3	62	16.7	88	ne.			1		8		sw.					fair.
U. S. S. Pensacola. N. 20° 42′, W. 61° 46′ †	30.08	764.0	75	23.9	64	n.			2		0			0	0	sm'h		clear.
U. S. S. Powhatan, Newport, R. I			41	5.0	91	sw.			3		10		s.					overcast.
U. S. S. Quinnebang, Smyrna, Turkey	29.99	761.7	43	6.1	100	ssw.			1		10		wsw.					cloudy.
U. S. S. Saratoga, N. 34° 12′, W. 15° 25′	29.68	753.9	64	17.8	78	wsw.			5		10		w.			sm'h		cloudy.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.25	767.8	58	14.4	70	nnw.			4		8		nw.	light	light	sm'h		cloudy.
U. S. S. Yantic, N. 24° 10′, W. 80° 13′	30.13	765.3	71	21.7	66	se.			1		0							clear
U. S. Navy Yard, Portsmouth, N. H *	30.23	767.8	72	22.2	67	ese.			4		2							clear.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.87	758.7	43	6.1	92	sw.	6	2.7			0			0	0			clear.
H. M. S. Alecto, N. 5° 06, W. 1° 14′			70	21.1	61	ssw.			1		1		ssw.					blue sky.
H. M. S. Minotaur, N. 37° 08′, W. 1° 04′	29.87	758.7	86	30.0		s.			2		9					3	s.	d. clouds.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.76	755.9	60	15.6	65	wsw.			6		3		wsw.			3	wsw.	d. clouds.
S. S. British Crown, N. 49° 55′, W. 20° 24′†	29.86	758.5	87.8	31.0	75	s.			2		5		se.	0	0	3	se.	d. clouds.
S. S. British Prince, N. 39° 49′ W. 60° 34′†	30.08	764.0	45	7.2		nw.			4		8		nw.	0	0	mod.	nw.	
S. S. Ohio, (Am) Liverpool, Eng †	29.79	756.7	66	18.9	92	ne.			3		10		ne.	8 h'r	8 h'r	mod.	ne.	drizzling.
S. S. Scandinavian, N. 53° 14′, W. 19° 29′	29.83	757.7	50.5	10.3	89	nw.			2		0			3 h'r	3 h'r			misty.
S. S. Athos, Savanilla, U. S. C	29.92	760.0	46	7.8		var.			5		7		wnw.	sh'rs	sh'rs	mod.	wnw.	d. clouds.
S. S. Dorian, N. 42° 20′, W. 61° 00′	29.86	758.4	44	6.7		ese.			3		5		ese.	2 h'r	2 h'r	mod.	se.	light haze.
S. S. Westphalia, N. 40° 12′, W. 56° 02′			65	18.3		ne.			2		10			4 h'r	4 h'r	long	ese.	rain & fog.
S. S. Venetian, N. 42° 06′, W 60° 50′*	29.82	757.4				n.			4		4		s.	8 h'r	8 h'r	h'vy	sse.	misty.
S. S. Archimedes, (Br) N. 15° 19′, W. 25° 57′	29.94	760.5				n.			4		10			2 h'r	2 h'r	4	e.	foggy.
S. S. Sirius, N. 21° 37′, W. 22° 54′	30.08	764.0				nne.			3–4		0					light	ne.	hazy.
S. S. Teniers, N. 8° 55′, W. 27° 06′	29.96	761.0	79	26.1	76	ene.			3		9		sw.	0	0	mod.	ene.	cloudy.
S. S. Olbers, N. 45° 30′, W. 35° 26′	30.39	771.9	62	16.7	94	n.			2	cs	2 k	sse.		0	0	2	nne.	misty.
S. S. Archimede, (It.) N. 39° 08′, E. 10° 00′ †	29.84	757.9	66	18.9		w.			3–4		9		n;w.	0	0	light	w.	fine.
S. S. Oregon, (Br) N. 46° 14′, W. 43° 10′	30.38	771.6	60	15.6		wsw.			3		2		wsw.	0	0	sm'h	w.	clear.
S. S Donau, N. 40° 44′, W. 58° 30′	29.80	756.9				s.			2		9		s.	0	0	mod.	sw.	fine.
S. S. City of Augusta, Savannah, Ga *†	30.09	764.3				se.			4		10		se.	3 h'r	3 h'r	mod.	se;e.	raining.
S. S. Belgenland, N. 39° 53′, W. 59° 22′ †	29.87	758.7	63	17.2	100	wnw.			3		5?		wnw.	0	0			clear.
S. S. Pennland, N. 48° 50′, W. 15° 40′						ene.			3				ne.	0	0	long	e.	overcast
S. S. W. A. Scholten, Rotterdam, Holland			50	10.0	86	nnw.			5		9		nnw.	5 h'r	5 h'r	sm'h	nw.	overcast.
S. S. Zaandam, N. 50° 00′, W. 12° 45′	29.81	757.2	59.5	15.3	78	nnw.			3		4		sw.	8 h'r	8 h'r			raining.
S. S. Maasdam, N. 41° 53′, W. 43° 31′*	29.86	758.4	54.9	12.7	88	sw.			5		9		sw.	0	0	mod.	sw.	cloudy.
S. S. Baltic, N. 48° 56′, W. 25° 21′ *†	30.43	772.9	63.5	17.5	81	sse.			4		7		se.	0	0	2	se.	cloudy.
S. S. Marengo, N. 40° 59′, W. 59° 10′	30.12	765.0				nw.			5		8		nw.	0	0	r'gh	nw.	cloudy.
S. S. Salerno, N. 49° 33′, W. 7° 27′			60	15.6		sse.			5		6?		sse.	4 h'r	4 h'r	mod.	sse.	clear.?
Bg. Alcira, Maracaybo, Venezuela	29.93	760.2	54	12.2		ne.			1		3			0	0	sm'h		hazy.
S. S. Antonio Lopez, Cadiz, Spain	29.99	761.7	82	27.8		ne.			2		7		ne.	0	0			cloudy.
Schr. Arthur Burton, N. 23° 40′, W. 69° 19′			57.5	14.2	61	wnw.			6		7							fair.
Schr. Annie R. Lewis, Porto Plata, San Domingo, W.I†	30.08	764.0	79	26.1		n.			1		3		n.	0	0	r'gh	nw.	fine.
Schr. Annie A. Holton, N. 23° 09′, W. 97° 15′			80	26.7		calm			0		1		ne.	0	0			clear
						se.			1		1		se.	0	0	r'gh	e.	clear.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.				Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity		Force.	Amount and kind.		Direction.						
										Upper.	Lower.	Upper.	Lower.			Character.	Direction from.	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.			
District No 1—*North Atlantic.*—Continued.																		
Bg. Abbie Clifford, Port of Spain, Trinidad, W.I†	29.93	760.2	77	25.0		e.			2		8		e.	½ hr	½ h'r			rainy.
Bgt. Achsah, N 44° 50′, W. 66° 20′ †	30.00	762.0				nw.			2		10		nw.	0	0	sm'h	e.	cloudy.
S. Annie, Bayonne, N. J	30.04	763.0				n.			1									foggy.
Bk. Adelaide, N. 36° 00′, W. 75° 12′			66	18.9		sw.			3		2		n.	0	0	long	se.	hazy.
Bk. Benjamin Dickerman, N. 18° 52′, W. 61° 12′*†	30.04	763.0	77	25.0		nne.			4		8		nne.	0	0	short	nnw.	cloudy.
Bk. Charles Stewart, N. 38° 31′, E. 2° 40′*†	29.66	753.4				wsw.			6		7		wsw.	sh'rs	sh'rs	h'vy	wsw.	squally.
S. Cornelius, N. 21° 52′ W. 47° 43′ *†	30.13	765.3	77	25.0		se.			4		2			c	0	long	ne.	fair.
Bkt. Corisande, N. 41° 52′, W. 63° 54′	29.85	758.2				n.			2					0	0	sm'h	e.	dense fog.
Bk. Diamant, N. 49° 16′, W. 3° 50′			55.6	13.1	68	nne.			1		0			0	0	2	nw.	clear.
S. E. J. Spicer, N. 49° 39′, W. 3° 25′	29.79	756.7	53	11.7	93	ne.			1		hz		ne.	0	0	mod.	nw.	hazy.
U. S. Fish. Com. S. S. Fish Hawk, Washington, D.C †	30.15	765.8	56	13.3		calm			0		0			0	0	sm'h		clear.
Bk. Fred. W. Carlon, N. 21° 30′, W. 68° 36′†	30.13	765.3	78	25.6		nnw.			2		2		nw.	0	0	long	nw.	clear.
S. Ismir, N. 31° 18′, W. 72° 06′						wnw.			1		0			0	0	mod.	nw.	fine.
Bg. George, N. 32° 26′, W. 68° 40′ *†	30.05	763.3				nnw.			3		2			light	light	mod.	n.	fair.
Bk. Gloire, N. 44° 40′, W. 27° 24′	30.31	769.9	58	14.4	88	nw.			3				n.	3 h'r	3 h'r	short	nw.	cloudy
Bk. George Davis, off Casquets Light, Eng *†	29.80	756.9				nne.			1				nw.	0	0			smoky.
Bk. Galeon, N. 15° 20′ W. 61° 00′ †	30.03	762.7	84	28.9		ene.			1		1			0	0			blue sky.
S. Hedwig, N 38° 35′ E. 2° 34′	29.66	753.4	59.0	15.0	91	wsw.			5		4		wsw.	1 h'r	1 h'r	3	wsw.	squally.
Bk. Hattie G. McFarland, Pascagoula, Miss.			70	21.1		ese.			2		7		sse.	0	0			cloudy.
S. Henry, N. 38° 37′, E. 2° 10′*	29.66	753.4	56.3	13.5		wsw.			4–5	5 ck						5	sw.	squally.
Bk. Ibis, N. 23° 20′, W. 71° 44′			72	22.2		w.			2		1		wsw.	0	0	sm'h		fine.
Schr. Jennie N. Huddell, Potomac river †	30.08	764.0	55	12.8		n.			1		2		ne.	0	0			clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†	30.15	765.8				ene.			2		3		ene.	0	0			fair.
Schr. Jas. Slater, N. 18° 13′, W. 67° 12′			81	27.2		e.			3		0			0	0	light	nnw.	clear.
Bg. John Welsh, jr., N. 29° 06′, W. 70° 40′						nnw.			4		0					long	n.	clear.
Schr. John Bird, N. 38° 20′ W. 73° 50′						n.			5		5		n.	0	0	h'vy	ne.	
Schr. Jenny Greenbank, N. 32° 09′, W. 74° 05′ *	30.15	765.8	70	21.1		calm			0		2		wnw.	0	0	mod	nne.	clear.
Schr. Jenny R. Morse, N. 32° 00′, W. 79° 30′†	30.13	765.3				w.			2		2			0	0			fine.
Bg. L. F. Munson, N. 21° 50′, W. 70° 18′ *†	30.14	765.5	75	23.9		nnw.			3		2		wnw.	0	0	long	n.	clear.
Bkt. Levanter, Barbadoes, W. I	30.02	762.5	82	27.8		ene.			2		6		e.	0	0			fair.
Bkt. Levi S. Andrews, N. 35° 42′, W. 51° 28′*†	30.08	764.0	69.0	20.6		se.			4		8		se.	0	0	h'vy	se.	cloudy.
Schr. Norena, Ponce, Porto Rico, W. I†	30.11	764.8				nne.			1		2		ene.	0	0	sm'h		
Bk. Rosalie, N. 17° 09′, W. 61° 05′ *†	30.00	762.0				nnw.			4		2		ene.	10 m	inutes	light	ne.	fair.
Bk. Rosina, N. 29° 59′, W. 35° 15′	30.24	765.1	71	21.7		e.			7		8		e.	0	0	mod.	ese.	cloudy.
S. Salisbury, N. 42° 07′, E. 16° 09′	29.66	753.3	62.1	16.7	77	nw.			5–6		4 k		wnw.	0	0	cross	nw.	fair.
Bk. Saga, N. 49° 44′, W. 3° 30′			55	12.8					1–3		4			0	0	2		fair.
Bk. Sunbeam, N. 20° 48′, W. 32° 24′ †	30.07	763 8	76	24.4	82	ene.			4		0			0	0	mod.	nw.	clear.
Bgt. Sunlight, N. 25° 56′, W. 56° 58′†	29.98	761.5				calm			0		0			4 h'r	4 h'r	mod.	ne.	clear.
S. St. David, N. 47° 56′, W. 169° 52′			54.5	12.5	83	nw.			6		7		nw.	2 h'r	2 h'r	r'gh	nw.	squally.
Bg. Teneriffe, N. 22° 25′, W. 81° 50′	30.13	765.3				se.			4		0			0	0			
Schr. Viola Reppard, Sagua la Grande, Cuba, W. I†	30.17	766.3	76	24.4		e.			2		2		se.	0	0			clear.
Bk. Western Chief, N. 50° 57′, E. 1° 08′*†	29.80	756.9				ne.			2		2 k		ne.	0	0			hazy.
Schr. John Bracewell, N. 43° 58′, W. 69° 11′†	29.94	760.5	37	2.8		se.			1		10			2 h'r	2 h'r	sm'h	ese.	foggy.
District No. 2—*South Atlantic.*																		
U. S. S. Brooklyn, St. Helena Island, Africa	29.87	758.7	76	24.4	82	ese.	14	6.3			8		ese.	0.08	2.0	sm'h		cloudy.
H. M. S. Amethyst, Rio de la Plata	29.87	758.7	61.8	16.6	89	se.			3		9	s.				1	s.	showery.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.93	760.2	67	19.4		calm			0		0							blue sky.
H. M. S. Sylvia, Cape of Good Hope, Cape Colony	29.98	761.5	72.5	22.5	71	nw.			2		0							blue sky.
Bk. Aureola, S. 3° 45′, W. 26° 22′†	30.01	762.2	90	32.2	63	ese.			3		7		se.	6 hr	6 hr	mod.	sse.	cloudy.
Bkt. Rosebud, S. 3° 30′, W. 24° 20′*	29.80	756.9	88	31.1		w.			1		2			0	0	sm'h		fine.
S. Ringleader, S. 36° 20′, W. 21° 50′ †	30.23	767.8	59	15.0	70	se			4		5		e.	0	0	long	ssw.	
Bk. Horace Scudder, S 2° 13′, W. 5° 41′ *†	30.10	764.5	83	28.3		se.			6		2		se.	0	0		se.	clear.
District No. 3—*North Pacific.*																		
U. S. S. Adams, Sitka, Alaska †	30.16	766.1	37	2.8	91	ene.			1		2							fair.
U. S. Naval Hospital, Yokohama, Japan			54	12.2	80	calm			0		0			0	0			clear.
U. S. S. Alert, Shanghai, China	30.06	763.5	64	17.8	89	se.			2		0							clear.
U. S. S. Enterprise, Macao, China	29.94	760.5	74	23.3	95	se.			3		10		calm					cloudy.
U. S. S. Essex, N. 23° 56′, E. 151° 39′	30.12	765.0	78	25.6	78	ese.			3		2					sm'h		clear.
U. S. S. Juniata, Fernande Island, Corea	30.04	763.0	51	10.6	93	sw.			3		2			0	0			fair.
U. S. S. Monocacy, Canton, China	29.90	759.4	76	24.4	82	se.			1		8		se.	0	0			cloudy.
U. S. S. Ranger, Fonseca Bay, C. A.	29.98	761.5	81	27.2	91	calm			0		2			0	0	sm'h		fair.
U. S. S. Trenton, N. 16° 18′, E. 113° 12′	29.87	758.7	82	27.8	95	ene.			2		2					mod.	ne.	clear.
H.M.S. Audacious, Hong Kong, China	29.95	760.7	72	22.2	88	ene.			1		1	s.						blue sky.
H. M. S. Cleopatra, N. 37° 39′, E. 126° 35′	30.00	762.0	56	13.3	87	calm			0		10					1		overcast.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.00	762.0	65.2	18.4	86	nne.			3		1					2	ne.	misty.
H. P. M. S. Tamega, Macao, China	29.98	761.5	75.2	24.0	83	e.			3		9			0	0			d. clouds.
U. S. S. Palos, Shanghai, China	29.97	761.2	63	17.2	83	s.			2		0							clear.
S. S. Newbern, N. 36° 16′, W. 122° 06′			54	12.2	74	nw.			5		3		nw.	0	0	h'vy	wnw.	clear.
S. S. Oceanic, N. 40° 03′, E. 151° 46′	29.98	761.5	45	7.2	84	nw.			5–6		8		nw.			4	w.	cloudy.
S. S. Alameda, Honolulu, Sandwich Ids†	30.02	762.5	66	18.9		nne.			3		0			0	0			
S. S. Orizaba, N. 33° 39′, W. 118° 10′†	29.86	758.4	55	12.8	81	wnw.			3		2		w.	0	0	light	wsw.	fair.
S. S. State of California, N. 39° 30′, W. 124° 05′†	29.93	760.2	50	10.0	86	nw.			6		3		nw.	0	0	large	wnw.	fair.
S. S. City of Rio de Janeiro, N. 22° 20′, E. 115° 12′ †.	30.01	762.2	70	21.1		ne.			2		3		ne.					clear.
S. S. City of Tokio, N. 36° 10′, E. 154° 00′†	29.97	761.2	59	15.0	88	wnw.			5		10		wnw.	5 h'r	5 h'r	long	sw.	misty.
S. S. Colima, Panama, Panama†	29.95	760.7	76	24.4	91	nw.			2		4		nw.	0.15	3.8			clear.
S. S. San Blas, N. 22° 00′, W. 105° 54′†	29.93	760.2	71	21.7	100	nw.			4		0			0	0	mod	nw.	clear.
S. S. San José, N. 13° 54′, W. 90° 48′ †	29.90	759.4	75	23.9	95	ne.			1		5		ne.	0	0	small	wsw.	fine.
S. S. Benalder, N. 32° 30′, E. 129° 15′						ssw.			2–3		0			0	0	sm'h		clear.
District No. 4—*South Pacific.*																		
U. S. S. Iroquois, Callao, Peru	30.02	762.5	68	20.0	90	ssw.			1		10					sm'h		cloudy
U. S. S. Lackawanna, Callao, Peru	29.98	761.5	69	20.6	80	calm			0		10							cloudy.
U. S. S. Onward, Callao, Peru*†	30.08	764.0	67	19.4	89	calm			0		10		s.			long	w.	cloudy.
U. S. S. Pinta, S. 25° 05′, W. 74° 00′	30.14	765.5	66	18.9	79	sse.			5		5		sse.			long	s.	fair.
U. S. S. Shenandoah, Gray harbor, Patagonia*	30.00	762.0	42	5.6	100	se.			1		8					sm'h		fair.
U. S. S. Wachusetts, Valparaiso, Chili	30.14	765.5	55	12.8	74	n.			1		2		calm			sm'h		fair.
H. M. S. Nelson, Sydney, N.S.W.	30.40	772.1	57	13.9	94	ese.			3–6		10							raining.
H. M. S. Sappho, Valparaiso, Chili	30.04	763.0	57	13.9	87	calm			0		2		ne.					blue sky.
H. M. S. Kingfisher, S. 29° 56′, W. 71° 20′	30.11	764.8	58	14.4		calm			0		3							misty.
S. S. Australia, S. 35° 40′, E. 175° 42′*	30.00	762.0	61	16.1	94	sw.			3		1		e.	0	0			
S. S. Zealandia, S. 16° 12′, W. 171° 13′	30.01	762.2	79	26.1	78	sse.			4		5		s.			h'vy	s.	fair.
S. Gatherer, S. 56° 17′, W. 70° 00′†	29.64	752.8	40	4.4	100	w.			3		1?		w.	½ h'r	½ h'r	h'vy	s.	cloudy?
District No. 5—*Indian Ocean.*																		
U. S. S. Richmond, Batavia, Java	29.80	756.9	83	28.3	91	ne.			3		8		e.	0	0			fair.
H. M. S. Euryalus, Massuah, Abyssinia	29.76	755.9	80.5	30.3	78	nne.			3		5	calm						d. clouds.
H. M. S. Magpie, S 2° 38′, E. 54° 20′	29.82	757.4	78.8	26.0	85	sw.			2		10							showery.
H. M. S. Myrmidon, Suakin, Egypt	29.82	757.4	84.5	29.2	83	ne.			3		0							blue sky.
S. S. Bracadale, N 12° 10′ E. 84° 20′			92	33.3		var.			1		1		sw.	0	0	sm'h		clear.
Bk. Childwall, off Kingston, N.S.W*	30.26	768.6	01	10.1	88	e.			3		6		wnw.	0	0			fine.
S. Frank N. Thayer, S. 42° 56′, E. 37° 24′*	30.05	763.3				n.			0		10		n.	0	0	mod.		d. clouds.
S. J. W. Gildemeister, S. 29° 46′, E. 39° 25′	30.10	760.1	77.0	25.0	71	e.			3		6 k	sw.	ene.	0	0	3	var.	d. clouds.
Bk. Nouva Margherita, S. 22° 47′, E. 05° 00′*†	29.90	759.4				se.			4				se.	0	0	mod.	se.	fair.
Bk. Xenia, S 43° 45′, E. 29° 58′ *†	30.10	764.5	56	13.3		sw.			4		10		sw.	4 h'r	4 h'r	r'gh	ne.	cloudy.
S. S. Lepanto, Bombay, India	29.79	750.7	87	30.6		nnw.			3		0							clear.

International Chart I. April 29, 1884. Isobars and Isotherms.

UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W. B. Hazen, Chief Signal Officer.

Signal Office Lith.

INTERNATIONAL METEOROLOGICAL OBSERVATIONS

TAKEN SIMULTANEOUSLY ON APRIL 30, 1884,

7 A. M., Washington Mean Time.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
Algerian.																			
Nemours	.....	.....	29.95	760.6	64.0	17.8	74	w.	.....	.....	1	.....	2	.....	.....	0	0	fair	Roziere.
Algiers	.....	.....	29.82	757.3	62.2	16.8	44	w.	.....	.....	7	.....	0	.....	.....	0.220	5.6	clear	Théye.
La Calle	.....	.....	29.73	755.2	59.7	15.4	83	nnw.	.....	.....	5	.....	5	.....	.....	0.374	9.5	cloudy	Fontrède.
Tunis	.....	.....	29.91	759.6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Delord.
Geriville	.....	.....	29.97	761.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Forfert.
Laghouat	.....	.....	29.91	759.6	52.2	11.2	.....	nw.	.....	.....	1	.....	0	.....	.....	0	0	clear	Abraham.
Biskra	.....	.....	29.94	760.4	67.6	19.8	54	nw.	.....	.....	1	.....	2	.....	.....	0	0	fair	Gouzon.
Australian.																			
Adelaide, South Australia	.....	.....	30.40	772.1	65.9	18.8	53	e.	9	4.0	.....	2 cs	.....	.....	.....	0	0	fine	Charles Todd, C. M. G.
Hobart Town, Tasmania	30.43	772.9	30.62	777.7	48.5	9.2	83	nw.	5	2.2	.....	.....	1	.....	nw.	0	0	clear	Com. J. Shortt, R.N.
Melbourne, Victoria	30.39	771.9	30.48	774.2	48.0	8.9	93	wsw.	5	2.2	.....	.....	1	.....	.....	0	0	fine	R. L. J. Ellery.
Austro-Hungarian.																			
Agram	29.20	741.6	29.73	755.1	66.2	19.0	45	se.	.....	.....	3	.....	2	.....	.....	0	0	.....	Prof. Ivan Stozir.
Cracow, I. R Observatory	28.97	735.9	29.72	755.0	60.8	16.0	69	ese.	6.3	2.8	.....	.....	10	.....	.....	0.039	1.0	.....	Dr. Wierzbiski
Eperies	28.95	735.4	29.83	757.6	53.6	12.0	79	calm	.....	.....	0	.....	10 n	.....	.....	0.280	7.1	.....	Julius Mikolik.
Gratz	28.56	725.5	29.79	756.6	59.9	15.5	52	sw.	.....	.....	1	.....	4	.....	.....	0	0	.....	Andreas Rosplui.
Hermannstadt	28.43	722.1	29.85	758.2	55.8	13.2	59	se.	.....	.....	4	.....	10	.....	.....	0	0	.....	Prof. A. Gottschling
Kremsmunster, Obs'y	28.37	720.7	29.69	754.0	59.0	15.0	70	ne.	.....	.....	1	.....	2	.....	.....	0	0	.....	The Staff.
Lemberg	28.87	733.3	29.85	758.2	54.1	12.3	52	s	.....	.....	5	.....	10	.....	.....	0	0	.....	Dr. T. Stanecki.
Pola	29.65	753.1	29.76	755.9	64.4	18.0	66	sse	.....	.....	2	.....	5	.....	.....	0	0	.....	I. R. Hydrographic Office.
Szathmar	29.37	745.9	29.82	757.5	59.9	15.5	48	s.	.....	.....	4	.....	1	.....	.....	0	0	.....	Joseph Midlinszky, S. J
Szegedin	29.53	750.1	29.81	757.2	54.9	12.7	74	s.	.....	.....	3	.....	9	.....	.....	0	0	.....	Karl Stancel.
Trieste	29.69	754.2	29.79	756.7	65.1	18.4	55	sw.	.....	.....	1	.....	4	.....	.....	0.024	0.6	.....	Royal Academy.
Vienna	29.66	738.1	29.76	756.0	59.0	15.0	61	calm	.....	.....	0	.....	6	.....	.....	0	0	.....	I. R. Central Met. Obs'y.
Belgian.																			
Arlon	.....	.....	.....	.....	64.6	18.1	48	e.	.....	.....	2	.....	1	.....	.....	0.004	0.1	raining	
Brussels	29.54	750.3	29.73	755.2	62.4	16.9	53	wsw.	.....	.....	2	5	1	sw.	w.	0	0	.....	
Furnes	29.74	755.5	29.76	756.0	.....	.....	.....	sw.	.....	.....	1	.....	10	.....	.....	0	0	.....	
Maeseyck	29.62	752.3	29.74	755.5	66.9	19.4	55	e.	.....	.....	2	.....	7	.....	.....	0	0	foggy	
British.																			
Aberdeen	29.38	746.2	29.47	748.5	48.5	9.2	63	s.	14	6.3	.....	.....	7	.....	.....	0.050	1.3	d. clouds	W. Boswell.
Bidston, Liverpool Obs'y	.....	.....	29.68	753.9	44.6	7.0	76	w.	21	9.4	.....	.....	7	.....	.....	.....	.....	hailing	John Hartnup.
Bolton, Sharples	29.12	739.6	29.65	753.1	44.5	6.9	84	ssw.	3	1.3	.....	.....	9	.....	.....	.....	.....	overcast	Thomas Mackereth.
Bradford, Yorkshire	29.25	742.9	29.65	753.1	43.3	6.3	81	sw.	.....	.....	2	.....	10	.....	.....	.....	.....	raining	McLandsborough & Preston
Bridgetown, Barbadoes, W.I.	29.96	761.0	29.99	761.7	83.0	28.3	73	ne.	.....	.....	2	.....	3	.....	.....	.....	.....	d. clouds	Corp'l C. McGregor, A.H.C
Cardington	.....	.....	.....	.....	52.2	11.2	66	sw.	.....	.....	1.0	.....	8	.....	.....	.....	.....	overcast	John McLaren.
Chatham, School M. E.	29.57	751.1	29.74	755.4	60.0	15.6	50	sw.	.....	.....	1	.....	7	.....	.....	.....	.....	misty	Corpl. G. A. Pickles, R.E.
Falmouth, Observatory	29.61	752.1	29.84	757.9	50.1	10.1	72	nw.	.....	.....	3	.....	10	.....	.....	.....	.....	overcast	The Staff.
Fort Napier, Natal	27.66	702.6	29.97	761.2	84.0	28.9	39	ne.	.....	.....	1	.....	2	.....	.....	.....	.....	blue sky	Corp'l C. Stares, A.H.C.
Freetown, Sierra Leone	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. W. Smith.
Galway, Queen's College	29.64	752.8	29.67	753.6	49	9.4	71	w.	.....	.....	3	.....	6	.....	.....	0.03	0.8	gloomy	Wm. Ryan.
Gibraltar, Mediterranean	29.96	761.0	30.06	763.5	62.4	16.9	87	w.	.....	.....	4	.....	8	.....	.....	.....	.....	gloomy	Sgt. A. Rand, A. H.C.
Greenwich, Royal Obs'y	29.57	751.1	29.74	755.4	61.0	16.1	50	wsw.	.....	.....	1	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Guernsey	29.54	750.3	29.84	757.9	49.0	9.4	78	w.	.....	.....	1	.....	4	.....	.....	0	0	d. clouds	A. Collenette, F.R.M.S.
Kew, Observatory	29.71	754.6	29.75	755.6	55.6	13.1	52	wsw.	16	7.2	.....	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Leicester, Museum	29.43	747.5	29.68	753.9	50.0	10.0	68	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	overcast	J. C. Smith.
Malta, Mediterranean	29.61	752.1	29.68	753.9	66.2	19.0	67	se.	.....	.....	2	.....	4	.....	.....	0	0	d. clouds	Corpl. H. Keene, A. H. C.
Nassau, Bahamas	30.10	764.5	30.14	765.5	74.5	23.6	68	e.	.....	.....	1	.....	4	.....	.....	.....	.....	d. clouds	C. S. Duncombe.
Oxford, Radcliffe Obs'y	29.51	749.5	29.74	755.4	53.8	12.1	62	sw.	.....	.....	3	.....	8	.....	.....	.....	.....	d. clouds	The Staff.
Plymouth	29.73	755.1	29.80	756.9	50.7	10.4	89	calm	.....	.....	0	.....	10	.....	.....	.....	.....	drizzling	John Merrifield.
Sandwick Manse, Orkneys	29.34	745.2	29.44	747.8	44.2	6.8	82	.....	.....	.....	.....	.....	5	.....	.....	.....	.....	showery	Rev. C. Clouston L.L.D
Scutari Cemetery, Turkey	29.76	755.9	29.82	757.4	53.2	11.8	71	nw.	.....	.....	2	.....	10	.....	.....	blank	blank	d. clouds	W. H. Lyne.
Sheffield	29.35	745.5	29.64	752.8	42.1	5.6	]	sw.	.....	.....	1	.....	10	.....	.....	.....	.....	raining	W. F. Cooper.
Silloth Rectory	29.55	750.6	29.58	751.3	48.8	9.3	87	w.	.....	.....	3	.....	5	.....	.....	0.200	5.1	showery	Rev. F. Redford, M. A.
Stonyhurst, Observatory	.....	.....	29.66	753.4	46.4	8.0	80	sw.	13	5.8	.....	.....	10	.....	.....	0.057	1.4	overcast	Rev. S. J. Perry.
Strathfield Turgiss	.....	.....	.....	.....	54.0	12.2	61	sw.	.....	.....	3.5	.....	9	.....	.....	.....	.....	d. clouds	Rev. O. H. Griffiths, F.M.S
Valencia, Observatory	29.84	757.9	29.86	758.4	49.2	9.6	64	nw.	21	9.4	.....	.....	7	.....	.....	.....	.....	d. clouds	The Met'g'l Office.
Sub-series.																			
Gozo, Episcopal Seminary	29.35	745.5	29.73	755.1	68.0	20.0	64	s.	4.0	1.8	.....	0	4 n	.....	s.	0	0	clear	Rev. Jos. Micali, S.J.
Hong Kong Obs'y, China	29.80	756.9	29.92	760.0	71.3	21.8	89	e.	18	8.0	.....	.....	10 k	.....	se.	0	0	overcast	The Staff.
Canadian.																			
Bathurst, N. B.	29.91	759.7	29.95	760.7	44.0	6.7	.....	n.	10	4.5	.....	.....	10 n	.....	.....	0.08	2.0	overcast	Hon. J. Ferguson.
Charlottetown, P. E. Island	29.61	752.1	29.65	753.1	34	1.1	97	n.	26	11.6	.....	.....	10 n	.....	.....	1.100	27.9	light rain	H. J. Cundall, C. E.
Chatham, N. B*	29.83	757.7	29.90	759.4	44	6.7	83	ne.	13	5.8	.....	.....	10 ks	.....	ne.	0.09	2.3	cloudy	G. A. Blair.
Cornwall, Ontario	29.97	761.2	30.17	766.3	37.0	2.8	82	nw.	.....	.....	1	.....	10 s	.....	.....	0	0	overcast	Jas. Smith, M. A.
Dalhousie, N. B	29.96	761.0	30.02	762.5	45.5	7.5	.....	calm	.....	.....	0	.....	10 s	.....	.....	0.04	1.0	overcast	H. A. Johnson.
Father Point, Quebec*	30.08	764.0	30.10	764.5	33	0.6	88	nw.	2	0.9	.....	4 cs	4 k	.....	calm	0	0	cloudy	J. McWilliams
Fort Garry, Manitoba*	28.77	730.7	29.64	752.8	38	3.3	100	ne.	18	8.0	.....	.....	10 n	.....	ne.	0.54	13.7	light rain	James Stewart.
Fredericton, N. B	29.84	757.9	29.90	759.4	48.0	8.9	64	n.	6	2.7	.....	0	9 s	.....	.....	0.060	1.5	d. clouds	Dr. Thos. Harrison.
Grand Manan, N. B	29.80	756.9	29.86	758.4	47	8.3	77	n.	13	5.8	.....	4 cs	0	.....	.....	0.01	0.3	fair	J. Chipman Seeley
Granton, Ontario	29.03	737.3	30.16	766.1	39.0	3.9	91	e.	5	2.2	.....	.....	10 n	.....	.....	0	0	overcast	Jas. Grant.
Halifax, N. S*	29.56	750.8	29.69	754.1	44	6.7	86	nw.	19	8.5	.....	10 k	0	n.	.....	0.010	0.3	cloudy	A. Allison.
Hamilton, Ontario	29.76	755.9	30.18	766.6	39.4	4.1	91	n.	.....	.....	1	6 ck	0	nw.	.....	0	0	d. clouds	Geo. Dickson, B. A.
Kingston, Ontario*	29.88	758.9	30.23	767.8	37	2.8	89	ne.	2	0.9	.....	.....	10 ks	.....	.....	0	0	cloudy	A. P. Knight, M. A
Little Glace Bay, N. S	29.49	749.0	29.53	750.0	42.0	5.6	96	se.	.....	.....	3	.....	10 n	.....	.....	0	0	overcast	C. H. Rigby.
London, Ontario	29.26	743.2	30.19	766.8	38.8	3.8	80	e.	.....	.....	2	.....	10 n	.....	.....	0	0	overcast	E. B. Reed.
Medicine Hat, N. W. T	27.54	699.5	29.84	757.9	40	4.4	96	n.	3	1.3	.....	0	0	.....	.....	0	0	clear	John Ewart.
Minnedosa, N. W. T	27.70	703.6	29.67	753.6	31	— 0.6	100	ne.	19	8.5	.....	.....	10 n	.....	ne.	0.56	14.2	cloudy	Rev. J. M. Wellwood.
Montreal, Quebec*	29.98	761.5	30.19	766.8	40	4.4	73	nw.	5	2.2	.....	2 cs	0	ne.	.....	0	0	clear	C. H. McLeod, C. E.
Ottawa, Ontario	29.99	761.7	30.22	767.6	36.4	2.4	82	nne.	.....	.....	.....	.....	10 s	.....	.....	0	0	overcast	A. McGill, M. A.
Parry Sound, Ontario*	29.53	750.0	30.25	768.3	34	1.1	88	e.	6	2.7	.....	4 k	2 ks	se.	se.	0	0	fair	Rev. R. Mosley.
Peterboro, Ontario	29.47	748.5	30.22	767.6	39.7	4.3	81	n.	.....	.....	1	.....	10 ks	.....	.....	0	0	overcast	Wm. O'Connor, M.A.
Port Arthur	29.15	740.4	29.87	758.7	36	2.2	85	ne.	8	3.6	.....	.....	10 n	.....	.....	inap.	inap.	d. clouds	W. P. Cooke.
Port Dover, Ontario	29.49	749.0	30.21	767.3	36	2.2	90	ne.	3	1.3	.....	10 ck	0	nw.	.....	0	0	fair	H. Morgan.
Port Stanley, Ontario	29.50	749.3	30.17	766.3	41	5.0	73	e.	13	5.8	.....	.....	10 ks	.....	nw.	0	0	cloudy	M. Payne.
Qu Appelle, N. W. T	27.60	701.0	29.90	759.4	35	1.7	.....	n.	18	8.0	.....	5 cs	k	ne.	ne.	0.18	4.6	clearing	Leslie Gordon.
Quebec, Quebec*	29.73	755.1	30.10	764.5	41	5.0	92	calm	0	0	.....	0	0	.....	.....	0.06	1.5	clear	Capt. Ashe, R. N.
Rockliffe, Ontario*	29.78	756.4	30.26	768.6	34	1.1	79	w.	4	1.8	.....	.....	10 s	.....	nw.	0	0	cloudy	W. H. McIntyre.
St. Andrews, N. B	29.79	756.7	29.84	757.9	45	7.2	76	n.	8	3.6	.....	0	0	.....	.....	0.10	2.5	clear	
St. John, N. B	29.80	756.9	29.95	760.7	47.0	8.3	79	n.	24	10.7	.....	4 k	5 ks	ne.	.....	0	0	cloudy	G. Hutchinson.
St. Pierre, N. F	.....	.....	29.72	755.0	43.9	6.6	.....	e.	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	The Commandant.
Saugeen, Ontario*	29.43	747.5	30.16	766.1	41	5.0	96	se.	8	3.6	.....	.....	10 ks	.....	.....	0	0	cloudy	
Stratford, Ontario	28.88	733.5	30.19	766.8	41.8	5.4	69	se.	6.5	2.9	.....	0	9 s	.....	.....	0	0	d. clouds	W. McBride, A.M.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	OBSERVERS
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles n. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill		
CANADIAN.—Continued.																			
Sydney, C. B*	29.47	748.5	29.53	750.0	41.	5.0	96	se.	1	0.4			10 n			1.07	27.2	cloudy	T.C.Hill, C.E.
Toronto, Ontario*	29.87	758.7	30.27	768.8	39	3.9	79	ne.	5	2.2		2 cs	0	calm		0	0	fair	Magnetic Observatory.
Woodstock, Ontario	29.13	739 9	30.23	767.8	39.5	4.2	76	e.	14.0	6.3		1 cs	0			0	0	blue sky	Prof. N Wolverton, M.A.
Yarmouth, N.S*	29.73	755 1	29.79	756.7	46	7.8	86	n.	12	5.4			9 k		n.	0.05	1.3	cloudy	Lt. F. E. Wilmot, R. N.
CAPE COLONY.																			
Cape St. Francis Lt.House	30.13	765.3	30.16	766.1	69.0	20.6	95	ne.				0	0			0	0	fine	I. Garfelt.
Cape Town, The Castle	29.80	756 9			80.0	26.7	44	calm				2 c	0			0	0		Capt.R.Gardner Warton
Springbok Fontein	27.86	707.6			83	28.3	45									0	0		J. T. Eustace
CHILIAN.																			
Iquique																			Rafael Moreno.
Niebla																			Federico Köhling.
Punta Caldera																			Manuel Tobar.
Punta Corona																			Francisco Alvarado.
Quiriquina					50.7	10.4	89	se			4	0				0	0	clear	Leon Herrera.
Valparaiso	29.83	757.6	29 97	761.2	53.6	12.0	88	ne.			1	8	0			0	0	clear	Paez-i-Ampuero.
CHINESE (*Sub-series*).																			
Zi-Ka-Wei, near Shanghai	29.97	761.3	30.00	761.9	64.0	17.8	80	sse.	17.4	7.8		0	0			0	0	clear	M.Marc Dechevrens,S. J
DANISH.																			
Copenhagen	29.79	756.6	29.84	757.8	48.2	9.0	83	s.	13	6		10						hazy	Oversergent Fischer.
Fanöe	29.76	755 8	29.78	756 3	53.2	11.8	64	se.			4	5							Overloerer Lauridsen.
Godthaab, Greenland	30.02	762.5	30.06	763.6	18.1	— 7.7	78	e.			2	6							S. Kleinschmidt.
Ivigtut, Greenland	29.87	758.8	29.89	759.3	18.0	— 7.8		n.			6	0						snowing	
Stykkisholm, Iceland	28.96	735.6	29.00	736.7	37.0	2.8	91	calm			0	10							A. O. Thorlacius.
Thorshavn	29.28	743.8	29.31	744.4	48.2	9.0	77	se	13	6.		5							Overloerer Bergh.
Upernavik, Greenland	30.04	763.1	30.09	764.3	— 0.2	—17.9		calm			0	0							
Vestervig	29.68	753.8	29.77	756.1	54.9	12.7	51	ese.			2	10							Loerer Oesterbol.
EGYPTIAN.																			
Cairo	29.80	757.0			77.9	25.5		ne.	6.7	3.0		0	2 s			0	0		Albert Ismalun, Dir.
FRENCH.																			
Agen, Normal School	29.31	744.5	29.97	761.2	52.2	11.2	84	wnw.			1		10 n		n.	0.189	4.8		M. Labroue, Director.
Alençon, Normal School	29.34	745.2	29.89	759 2	54.3	12.4	79	ne.			1		5 kn		ne.	0.126	3.2	cloudy	M. Nicot, Director.
Arras, Normal School	29.54	750.4	29.78	756.4	63.7	17.6	55	nnw.			2		2		ne.	0.004	0.1	slightly cl'dy	M. Ungerer, Director.
Avignon, Normal School	29.63	752.7	29.71	754.7	65.8	18.8	56	nnw.			1		5		nw.	0.268	6.8	cloudy	M. Giraud, Director.
Bar-sur-Seine	29.19	741.4	29.72	755.0	65.8	18.8	36	sw.			1		5 kn		sw.	0	0	cloudy	M. Saillard, Director.
Beauvais, Normal School	29.52	749 9	29.78	756.5	62.6	17.	41	wnw.			1		2		sw.	c	0	slightly cl'dy	M. Frere Eugène Marie.
Besançon, Normal School	28.78	731.0	29.65	753.1	66.2	19	39	ene.			1		k		ne.	0	0		M. Gobin, Director.
Bordeaux, Observatory	29.64	752 8	29.90	759.4	56.8	13.8	60	n.			1		8		nnw.	0.012	0.3	very cloudy	M. Rayet, Director.
Bourges, Normal School	29.28	743.7	29.83	757.7	53.2	11.8	54	w.			1		5		w.	0	0	cloudy	M. Sauvageot, Director.
Brest, Naval Observatory	29.71	754.7	29.96	760.9	60.1	15.6	66	sw.			2		4		sw.	0.071	1.8		M. de Kermarec, Dir.
Caen, Normal School	29.71	754.6	29.78	756.4	60.4	15.8	91	nw.			2		2		nw.	0.08	2.	slightly cl'dy	M. Berson, Director.
Châlons-sur-Marne, N.Sch'l					69.3	20.7	72	s.			2		2		s.	0	0	slightly cl'dy	M. Jadot, Director.
Charleville, Normal School	29.22	742.3	29.74	755 5	60.4	15 8	48	nnw.			1		8		e.	0	0	¼ covered	M. Noël, Director.
Clermont-Ferrand Obs'y	28.43	722.0	29.74	755.5	63.5	17.5	40	nw.			2		5 k		ne.	0.035	0.9		M. Alluard, Director.
Cluny, Normal School	28 90	734 1	29.80	756.9	66.2	19.	43	sw.			1		3		e.	0	0		M. de Villemontés, Dir.
Commercy, Normal School	28.94	735.0	29.75	755 7	62.4	16.9	37	e.			1	ck		e.	e.	0	0		Dr. Coulet, Director.
Gap, Normal School	27.12	688.9	29.61	752.0	64.4	18.	36	calm			0		4 kn			0	0		M. Jarach, Director.
Gréasque, du Rhone	28.62	726.9	29.73	755.2	55.4	13.	61	n.			1	10			n.	0.445	11.3		M. Kina, Director.
Grenoble, Normal School	28.93	734.7	29 67	753.6	65.5	18.6	41	nnw.			4	ck			n.	0	0		M. Ablard, Director.
Guéret, Normal School	28.25	717.5	29.84	757.8	52.9	11.6	75	w.			4		cn		se.	0.126	3.2		M. Delorme, Dir.
Lamballe Normal School	29.62	752.3	29.89	759.3	54.3	12.4	54	wnw.			1		5 n		wnw.	0	0	cloudy	M. Poilpre, Dir.
Lescar, Normal School	29.37	746.0	29.93	760.2	55.4	13.0	54	wnw.			1		10 kn		w.	0.409	10.4	covered	M. Chauvin, Director.
Lorient, Naval Observatory	29.84	757.8	25 94	760.4	59.4	15.2	53	wnw.			3		2		wnw	0	0	¼ covered	L.. T. Carre, Director.
Lyon, St. Genis-Laval	28 68	728.4	29.71	754 5	65.1	18.4	38	nnw.			2		5		nne.	0	0	cloudy	M. André, Director.
Mans, Normal School	29.51	749 6	29.82	757.3	61.5	16.4	59	ne.			1		5 k		w.	0.244	6.2	cloudy	M. Richard, Director
Marseille, Observatory	29.44	747.8	29.71	754.6	58.8	14.9	79	nw.			0–1		10		nne.	0.634	16.1	sprinkling	M. Stephan, Director.
Montlouis	24.59	624.6	29.43	747.6	35.2	1.8	71	n.	13.0	5.8			8	n.		0	0		M. Cave for Dr. Fines.
Montpellier, Normal School	29.59	751.6	29.70	754.4	65.8	18.8	72	w.			2		5	ne.		0.646	16.4	cloudy	M. Galzin, Director.
Nancy, Normal School	28.98	736.0	29.73	755 2	65.8	18.8	32				1				n	0	0		M. Hasse, Director.
Nantes, Observatory	29.76	755.8	29.92	759.9	61.7	16.5	47	wnw.			4	c;ck	5k;kn	wsw.	wnw.	0.020	0.5		M. Larocque, Director.
Perpignan, Observatory	29.70	754 4	29.81	757.2	51.4	10.8	70	nw.	22.4	10.0			10		nw.	0.157	4.0		Dr. Fines, Director.
Pic-du-Midi, Summit	20.95	532.1			18.3	— 7.6		e.			1				e.	0.685	17.4		M. Vaussenat, Director.
Privas, Normal School	28.66	727.9	29.69	754.0	64.8	18.2	43	s.			1		10	s.	n.	0.071	1.8	covered	M. Tallieu.
Puy de Dôme Obs'y, Summit	24.94	633.5			39.2	4.0	80	nnw.			3		8 k			0.012	0.3		M. Alluard.
Rochefort, Naval Obs'y	29.87	758.8	29.91	759.6	62.6	17.0	61	wnw.			2		0			0.16	4.	clear	Lt. E. Decante, Director.
Roche-sur-Yon, N. School	29.70	754.4	29.91	759.7	61.2	16.2	59	w.			4			nw.		0	0		M. Brothier, Director.
Rodez, Normal School	27.70	703.5	29 84	758.0	50.5	10.3	92	s.			1		10		n.	0.508	12.9	raining	M. Seger, Director.
Rouen, Normal School	29.77	756.1	29.82	757.3	60.8	16	62	w.			1		5		w.	0	0	foggy	M. Mouillot, Dir.
Saint Maur, Observatory	29.69	754.1	29.78	756.3	63.5	17.5	45	w.			1			w.	nw.	0.102	2.6		M. Renou, Director.
Toulouse, Observatory	29.19	741 4	29.91	759.7	50.0	10.0	92	w.			4		10	wnw.		1.992	50.6	covered	M. Bailland, Director.
Tours	29.61	752.1	29.83	757 6	60.8	16.0	59	n.			1		2	w.	nw.	0.551	14.0	slightly cl'dy	M. de Tastes.
Versailles, Observatory	29.29	744.0	29.78	756.5	61.9	16.6	49	nw.			2		5			0	0	fair	Dr. A. Berigny, Director.
Sub-series.																			
St. Martin du Hinx	29.81	757.2	29.96	761.0	59.2	15.1	55	w.	21.7	9.7			4 k		w.	0.004	0.1		M. Garlier, Director.
GERMAN.																			
Ansbach	28.32	719.4	29.75	755 6	57 6	14.2	39	ne.			2		0			0	0		Prof. Jnedt.
Bamberg	28.91	734.4	29.75	755.6	58.1	14.5	46	n.			1		4 k			0	0		Prof. Dr. Hoh.
Berlin	29.64	752.9	29.78	756 5	54.0	12.2	59	nw.			1		10			0.016	0.4		Meteorological Institute
Breslau	29.30	744.1	29.82	757 5	55.0	12.8	67	nw.			1		10			0.035	0.9		Royal University Obs'y
Carlsruhe	29.29	743.9	29.74	755.3	62.2	16.8	39	e.			1		0			0.010	0.4		Albert Senz.
Cassel	29.04	737.7	29.75	755.6	59.4	15.2	43	se.			2		3	s.		0	0		Dr. H. Möhl.
Frankfort-on-the-Main	29.38	746 3	29.74	755.3	63.1	17.3	38	n.			1		2			0	0		Physical Society.
Friedrichshafen	28.32	719 3	29.71	754.7	56.5	13.6	74	ne.			1		2	ne.		0.012	0.3		Wilhelm, Chief Tel.
Hamburg	29.72	755.0	29.82	757 3	54 7	12.6	62	sse.			3		5	nw.		0	0		E. Preller.
Kiel	29.80	756 8	29.81	757.2	52.3	11.3	68	ene.			2		7			0	0		Prof. Dr.G. Karsten.
Leipsic, Astron'l Obs'y	29.37	746.1	29.79	756 7	57.2	14.0	55	se.			2		5	sse.		0	0		H. Leppig, Asst.
Magdeburg	29.00	751.8	29.78	756.5	57.9	14.4	47	sse.			1		1			0	0	foggy	Weather Observatory.
Memel	29.81	757.2	29.86	758.4	47.3	8.5	93	s.			2		10 ks						Issermann.
Munich	27 91	708.8	29.75	755.6	57.7	14.3	52	n.			1		3	e.		0	0		Central Station.
Neufahrwasser	29.77	756.1	29.80	756.8	47.8	8.8	88	e.			2		10			0	0		A. Lothes.
Neustadt, Palatinate	29.20	741.6	29.72	754.9	63.1	17.3	39	ne.			2		1	ne.		0	0		Prof. Dicknether.
Stuttgart	28.78	731.1	29.65	753.1	62.2	16.8	44	e.			1		2	w.		0	0		Dr. L. Meyer.
Wustrow	29.78	756.5	29.81	757.1	49.1	9.5	82	ene.			2		10 s			0	0		Profs. Brandes & Reimer
GREEK.																			
Athens	29.41	747.1	29.79	756.7	72.3	22.4		s.			1.5	2				0	0		Kokkides & Wourlisch.
INDIAN.																			
Kurrachee	29.64	752.9	29.69	754.2	84.6	29.2	82	sw.	28.0	12.5			6	sw.	sw.	0	0	misty	
Deesa	29.18	741.3	29.64	752.9	97.2	36.2	22	nw.	19.0	8.5			2	wsw.		0	0	d. clouds	
Bombay	29.71	754.5	29.74	755.5	85.7	29.8	66	wnw.	18.0	8.0			1		wnw.	0	0	d. clouds	
Poona, Yarrowda	27.88	708.2	29.68	753.7	94.6	34.8	17	wnw.	19.0	8.5			0			0	0	blue sky	
Trichinopoly	29.48	748.8	29.75	755.7	96.6	35.9	33	e.	0.2	0.1			6	nne.	nne.	0	0	d. clouds	
Bellary	28 22	716.8	29.64	752.7	97.0	36.1	29	ne.	6.0	2.7			6			0	0	d. clouds	
Belgaum	27.20	690.8	29.69	754.2	82.5	28.1	63	wsw.	9.0	4.0			4		w.	0	0	d. clouds	
Lahore	28.86	733.1	29.58	751.3	93.1	33.9	26	w.	4.0	1.8			8			0	0	misty	
Roorkee	28.71	729.2	29.58	751.3	91.7	33.2	15	w.	9.0	4.0			8	w.		0	0		

STATIONS.	Barometer. Corrected for instrumental error and for temperature. Inch.	Mill.	Reduced to sea-level. Inch.	Mill.	Temperature of the air. Fah.	Cent.	Relative humidity. Per cent.	Wind. Direction. From.	Velocity. Miles p. hr.	Mtrs. p.sec.	Force. 0-1-0	Clouds. Amount and kind. Upper. 0-10	Lower. 0-10	Direction. Upper. From.	Lower. From.	Rainfall or melted snow in the past 24 hours. Inch.	Mill.	WEATHER.	OBSERVERS.
INDIAN.—Continued.																			
Agra	29.01	736.9	29.55	750.5	101.6	38.7	9	w	6.0	2.7			6		w.	0	0	d. clouds	
Nagpur	28.59	726.3	29.59	751.6	100.7	38.2	11	w.	6.0	2.7			7		w.	0	0	d. clouds	
Tubbulpore	28.30	718.8	29.60	751.8	98.2	36.8	16	w.	10.0	4.5			4		w.	0	0	d. clouds	
Lucknow	29.21	741.8	29.57	751.0	100.4	38.0	17	wsw.	7.0	3.1			0			0	0	blue sky	
Allahabad	29.25	742.9	29.54	750.4	102.3	39.1	9	w.					1			0	0	d. clouds	
Patna	29.38	746.2	29.56	750.7	99.7	37.6	14	nw.	5.2	2.3			0			0	0	blue sky	
Hazaribagh	27.63	701.7	29.57	751.1	91.7	33.2	14	wnw.	6.0	2.7			2		wnw.	0	0	d. clouds	
Cuttack	29.65	753.0	29.73	755.0	87.9	31.1	42	sse.	4.0	1.8			10			0	0	d. clouds	
Calcutta, Alipore	29.62	752.2	29.64	752.7	88.0	31.1	62	s.	11.0	4.9			0			0	0	blue sky	
Chittagong	29.66	753.2	29.75	755.5	81.9	27.7	79	s.	8.9	4.0			5			0	0	d. clouds	
Sibsagar	29.47	748.4	29.81	757.2	69.4	20.8	93	ne.	2.0	0.9			10	W.	W.	0.70	17.8	overcast	
Jeypore	28.20	716.4	29.60	751.7	96.2	35.7	18	wsw.	12.5	5.6			2	W.	W.	0	0	blue sky	
Zanzibar	29.88	758.9			79.5	26.4	82	sw.	7.7	3.4			9		ssw.			d. clouds	
ITALIAN.																			
Udine	29.35	745.5	29.76	755.8	66.2	19.0	43	sw.	1.3	0.6			4			0	0		Prof. Giovanni Olodig.
Milan	29.24	742.7	29.75	755.7	65.3	18.5	41	ne.	3.8	1.7			6	nne.		0	0		Prof. G.V.Schiapparelli
Padua	29.64	752.9	29.75	755.6	63.1	17.3	52	sw.	12.5	5.6			2	sw.		0.220	5.6		Prof. Dott. Lorenzoni.
Moncalieri	28.90	734.1	29.80	756.9	56.7	13.7	62	sw.	0.7	0.3			9	ne.		0.087	2.2		Prof. F. F. Denza.
Genoa	29.52	749.8	29.71	754.7	61.5	16.4	52	nw.	4.3	1.9			10	ne.		0	0		Prof. G. M. Garibaldi
Pesaro	29.71	754.7	29.76	755.9	59.0	15.0	76	e.	7.4	3.3			10	s.		0	0		Prof. Luigi Guidi.
Florence	29.44	747.8	29.69	754.2	67.6	19.8	36	se.			2		10	sse.		0	0		Prof. Costantino Pittei.
Leghorn	29.57	751.1	29.65	753.2	59.2	15.1	61	se.	4.3	1.9			10	ene.		0.004	0.1		Prof. P. Monte.
Rome	29.58	751.3	29.75	755.7	57.0	13.9	72	se.	4.3	1.9			10			0.028	0.7		Prof. P. Tacchini.
Lecce	29.53	750.0	29.78	756.3	66.9	19.4	56	s.	22.4	10.0			4	s.		0	0		Prof. C. de Giorgi.
Cosenza	28.88	733 5	29.76	755.9	65.1	18.4	77	sse.	2.5	1.1			6	se.		0.110	2.8		Prof. D. Conti.
Palermo	29.50	749.3	29.74	755.5	61.2	16.2	57	wnw.	5.6	2.5			8	wsw.		0.366	9.3		Prof. G. Cacciatore
Syracuse	29.66	753.3	29.70	754.4	70.5	21.4	70	ese.	7.4	3.3			8	sw.		0	0		Sig. V. Giuliano.
Sub-series.																			
Naples, Astron'l Obs'y	29.28	743.7			56.7	13.7	82	sw.	7.4	3.3			10	w.		0.016	0.4		Prof. F. Brioschi.
Stelvio	21.91	556.6			37.8	3.2	56	e.			1		8			0	0	misty	Prof.P.F.Denza.
Valdobbia	21 94	557.2			31.8	— 0.1	68	e.			6		9			0	0	misty	Prof.P.F.Denza.
JAPANESE.																			
Akita	30.13	765.3	30.16	766.2	44.7	7.1	87	calm			0	6c;cs	3 k	w.	w.	0	0	cloudy	H. Hattori.
Awomori	30.08	764.0	30.12	765.0	42.6	5.9	78	calm	0	0		1 cs	0			0	0	clear	K. Ogawa.
Hakodate	30.10	764.5	30.11	764.8	40.0	4.4	86	calm	0	0		1 c	0			0	0	clear	Y. Souma.
Hamamatsu	30.08	764.0	30.18	766.5	57.4	14.1	79	w.			2	0	0			0	0	clear	Sekigawa & Yamasaki.
Hiroshima, I. M. Obs'y	30.19	766.8	30.20	767.2	56.4	13.6	79	nw.	1.0	0.4		5 c	0	w.		0	0	fair	Y. Okamoto.
Kagoshima	30.24	768.1	30.25	768.4	58.9	14.9	76	w.			2	0	0			0	0	clear	
Kanazawa	30.07	763.7	30.17	766.3	55.0	12.8	86	calm	0	0			10 ks		w.	0	0	overcast	S. Endo.
Kioto	30.01	762.3	30.19	766.7	53.6	12.0	84	n.	2.2	1.0		9ck;cs	1 s	w.		0	0	cloudy	M. Tojima.
Kochi	30.21	767.3	30.23	767.8	59.0	15.0	83	nnw.	4.0	1.8		10 cs	0	w.		0	0	overcast	K. Kusunose.
Miasaka	30.22	767.5	30.24	768.2	60.2	15.7	69	w.			1	0	0			0	0	clear	K. Masuzaki&T.Ishizaka
Miyako	30.04	763.1	30.15	765.9	41.0	5.0	84	wsw.	4.3	1.9		0	0			0	0	clear	N.Honno & K.Suwa.
Nagasaki, I. M. Obs'y	30.03	762.7	30.23	767.8	54.9	12.7	76	calm	0	0		0	0			0	0	clear	
Nemuro	29.98	761.5	30.03	762.8	37.1	2.8	87	calm	0	0		3 ck	0			0	0	fair	A Shibuya.
Niigata	30.14	765.5	30.18	766.6	51.8	11.0	76	se.	6.6	2.9			10ks;s		sw.	0	0	cloudy	Satoo & Tomikawa.
Nobiru	30.16	766.1	30.17	766.3	47.8	8.8	85	se.	1.2	0.5			0			0	0	clear	Yoshino & Midzushima.
Numadzu	30.12	765.0	30.16	766.0	52.3	11.3	88	ene.			1	4 c	0			0	0	fair	T.Ohgi.
Osaka	30.18	766.7	30.20	767.1	57.1	13.9	78	w.	3.3	1.4			10ck;s			0	0	cloudy	H. Omura.
Saga	30.18	766.6	30 20	767.2	57.8	14.3	83	s.	1.8	0.8		1 c	0	nw.		0	0	clear	A.Matsuhayashi.
Sakai	30.15	765 8	30.16	766.0	56.1	13.4	77	wsw.			2		10 ks		w.	0	0	cloudy	Yamawchi & Sakamoto.
Sapporo	29.98	761.4	30.04	763.1	42.6	5.9	80	se	1.9	0.8		0	0			0.	0	clear	S. Kimura.
Shimonoseki	30.06	763.5	30.20	767.2	57.4	14.1	84	nnw.			1	0	7 s			0	0	fair	S. Sakano.
Tokei Obs'y, Yeddo	30.11	764.7	30.18	766.6	55.3	12.9	79	ne.	7.3	3.2		3 cs	0	w.		0	0	fair	The Staff.
Wakayama	30.14	765.5	30.19	766.8	58.7	14.8	78	calm	0	0			10ck;s		W	0	0	cloudy	K.Sakai.
MAURITIUS.																			
Mauritius R. A. Observatory	29.75	755.6	29.94	760.5	76.0	24.4	65	se.	16.5	7.4		6cs;c	1 k	nw		0	0	fair	The Staff.
MEXICAN.																			
Leon	24.32	617.7	29.95	760.7	61.2	16.2	73	nnw.	0.9	0.4		8 c	1 n	sw.		0	0	covered	M. Leal & M.Pina
Mazatlan	29.71	754.7	29.97	761.3	71.0	21.7	85	nw.	0	0			10 n		W.	0	0	covered	L. I.Gutierrez.
NETHERLANDS.																			
Flushing	29.77	756 1	29.77	756.1	55.4	13.0		wnw.			2					0	0		
Groningen	29.67	753.5	29.72	754.9	59.9	15.5		se.			1					0	0		
Helder	29.73	755.2	29.73	755 2	50.4	10.2		w.			2					0	0		
Hellevoetsluis	29.74	755.4	29.74	755.4	60.4	15.8	65	wnw.			1					0	0		
Utrecht	29.69	754.0	29.73	755.2	66.4	19.1	46	sw.			2		5			0.004	0.1	cloudy	H. van der Brink.
Sub-series.																			
Batavia, Java	29.81	757.1			81.1	27.3	80	nne.	0	0			6			0	0		Lt.J.J. Roptman, R.D.N
NORWEGIAN.																			
Bergen	30.06?	763.4?	30. 12?	765.0?	53.2	11.8	45	s.	22	10			8			0.130	3.3		
Brono	29.87	758.8	29.91	759.8	55.6	13.1	34	se.			5		3			0	0		
Ohristiania	29.75	755.7	29.90	759.4	51.3	10.7	40	e.	13	6			10			0	0		
Gjæsvær	30.22	767.6	30.24	768.2	36.0	2.2		s.			2		0			0	0		
PORTUGUESE.																			
Funchal, Madeira	30.14	765.6	30.23	767.9	62.6	17.0	52	sw.	8.7	3.9			6			0	0		Capt. D. A. de Cunha.
Lisbon, Observatory	29.69	754 0	30.02	762.6	55.9	13.3	80	e.	6.9	3.1			10			0.004	0.1	light rain	The Staff.
Ponta Delgada, Azores	30.31	769.9	30 38	771.7	61.2	16.2	83	nne.	9.8	4.4			3			0.067	1.7		
Saint Paul de Loando																			
St. Vincent, Cape Verd Ids.	29.97	761.1	30.00	762.0	74.8	23.8	80	e.			5		3			0	0	light haze	
San Salvador, Congo																			
Serra da Estrella	25.21	640.2	30.05	763.2	36.7	2.6	98	nnw.	9.8	4.4			9			0.031	0.8		
RUSSIAN.																			
Akmolinski	28.60	726 4	29.67	753.7	47.1	8.4	97	sw.	11	5			10 n			0.197	5.0		Major K. Lasarew.
Archangel	29.95	760 7	29.97	761.2	33.6	0.9	80	w.	9	4		0	6 ks			0	0		Capt. Sselliwerstow.
Ashurada	29.47	748.6	29.38	746.2	79.2	20.2	92	ese.	7	3			10 k			blank	blank		
Astrakhan	29.70	754.4	29.63	752.5	49.6	9.8	30	wnw.	9	4			10 s;n			0	0		Capt. Wisganow.
Baku	29.64	752.9	29.60	751.7	50.2	10.1	75	n.	31	14		0	6 ks						
Barnaul	29.47	748.6	29.97	761.2	52.5	11.4	27	ne.	9	4			0			0	0		Meteorological Office.
Bielosersk	29.53	750.1	30.00	762.1	46.0	7.8	75	calm	0	0			10 ks			0	0		
Dorpat	29.71	754.7	29.95	760.8	57.7	14.3	52	ese.	4	2			10ks;s			0.016	0.4		Rosenthal.
Ekaterinburg	28.67	728.3	29.66	753.3	34.0	1.1	100	e.	4	2			10			0.213	5.4	snowing	Meteorological Obs'y.
Elisawetgrad	29.57	751.0	30.02	762.4	57.0	13.9	21	nne.	9	4		3 c	0			0	0	light clouds	
Kasalinsk	29.57	751.1	29.75	755.6	53.8	12.1	49	sse	4	2									Rutkewitsch.
Kasan	29.35	745.5	29.02	752.4	44.8	7.1	54	nne.	2	1			10			0	0		Observatory.
Kem	30.06	763.4	30.11	764.7	29.8	— 1.2	88	nne.	18	8			10 n			0.256	6.5	h'vy clouds	
Kertch	29.82	757.5	29.85	758.1	50.2	10.1	37	ne.	9	4		0	0			0	0		Lagorio & Sastyre.
Kieff	29.38	740.2	30.01	762.3	55.4	13.0	40	se.	7	3		4 ck	0			0	0	light clouds	Observatory.
Koslov	29.26	743.3	29.77	756.1	50.2	10.1	49	nne.	27	12		0	2 s			0	0		
Lgov	29.44	747.7	30.02	762.6	52.9	11.6	44	nnw.	16	7			0			0	0		R. I Seawoljew, Engin'r.
Libau	29.83	757.7	29.85	758.3	49.8	9.9	78	sse.	7	3			10			0.283	7.2	raining	E.Quass.
Lugan	29.54	750.3	29.74	755.4	57.4	14.1	19	n.	34	15			7			0	0		Meteorological Obs'y.
Moscow	29.49	749.0	29.97	761.2	49.3	9.6	35	nnw.	9	4		2 cs	0			0	0		Meteorological Obs'y
Nertschinsk	27.37	695.3	29.74	755.4	26.4	— 3.1	68	w.	11	5			10			0	0		
Nikolaiev	29.89	759.2	29.96	761.0	57.9	14.4	35	ene.	18	8		0	0			0	0		Capt. Kurdakow.

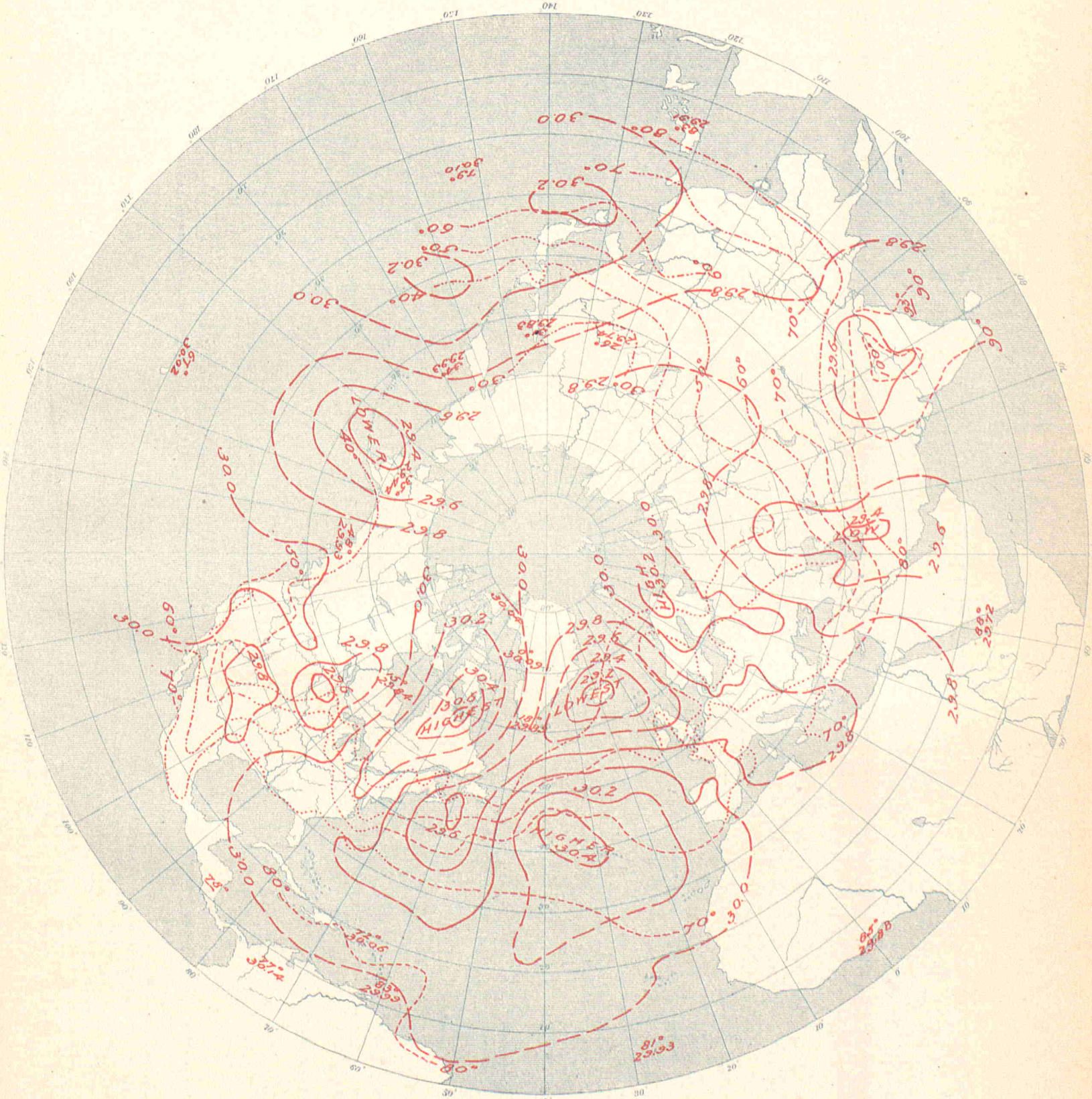
STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From	From.	Inch.	Mill.		
Russian.—Continued.																			
Nikolaievsk-on-the-Amoor.	29.74	755.4	29.83	757.6	30.6	— 0.8	79	se.	4	2	.....	0	1 s	.....	.....	.....	.....	.....	Iwanow.
Pekin, China	29.69	754.1	29.83	757.7	59.9	15.5	32	nw.	5.6	2.5	.....	.....	10 n	.....	.....	0.102	2.6	thund'r st'm	Siang.
Petro-Alexandrovsk	29.38	746.3	29.72	754.9	70.2	21.2	12	se.	2	1	.....	.....	9 s	.....	.....	.....	.....	.....	Walter.
Petrozavodsk	29.80	757.0	30.00	762 1	42.3	5.7	79	ese.	11	5	.....	0	1 k	.....	.....	0	0	.....	Dr. Bergmann.
Pinsk	29.46	748.3	29.96	760.9	54.5	12.5	43	se.	13	6	.....	.....	10 s	.....	.....	0	0	light clouds	
Poti	29.65	753.2	29.69	754.0	53.2	11.8	97	sw.	13	6	.....	.....	10 n	.....	.....	0.063	1.6	raining.	
St. Petersburg	30.00	762 0	30.02	762.6	41.4	5.2	89	ene.	7	3	.....	.....	10	.....	.....	0.193	4.9	.....	Central Physical Obs'y.
Samarkand	27.36	695.0	29.73	755.1	72.1	22.3	64	calm	0	0	.....	0	2 k	.....	.....	.....	.....	.....	Dresch.
Semipalatinsk	29.22	742.2	29.87	758.7	58.1	14.5	33	calm	0	0	.....	.....	8	.....	.....	0	0	.....	Major Lasarew
Sevastopol	29.60	751 9	29.81	757.2	57.9	14.4	45	w.	27	12	.....	2 cs	0	.....	.....	0	0	.....	
Staroi Bykhov	29.46	748.3	30.01	762.2	57.9	14.4	37	se.	9	4	.....	.....	10	.....	.....	0	0	solar corona	Carl Hagen.
Tashkend, Laboratory	28.18	715.8	29.80	756.8	68.4	20.2	67	nw.	4	2	.....	.....	9 ks	.....	.....	.....	.....	.....	Teren, A. M
Tiflis	28.19	716.1	29.59	751.5	56.5	13.6	63	nnw.	11	5	.....	.....	10 n	.....	.....	0.020	0.5	.....	Physical Observatory
Vernoe	27.29	693.1	29.68	753 8	71.6	22.0	49	calm	0	0	.....	0	8 n	.....	.....	.....	.....	.....	Larionow.
Viatka	29.14	740.1	29.77	756.2	42.8	6.0	38	nne.	9	4	.....	.....	2	.....	.....	0	0	.....	
Vladivostock	29.92	760.0	29.99	761.7	40.5	4.7	88	se.	22	10	.....	.....	5 n	.....	.....	0	0	.....	
Warsaw	29.39	746 6	29.82	757.3	52.3	11.3	85	sse.	9	4	.....	.....	10 n	.....	.....	.....	.....	h'vy clouds.	Astronomical Obs'y.
Yeniseisk	29.69	754.2	29.98	761.5	48.4	9.1	33	w.	11	5	.....	.....	0	.....	.....	0	0	.....	M. O. Marks.
Sub-series.																			
Petrowsky Academy	29.37	746.0	29.90	759.4	44.9	7.2	54	nnw.	12.4	5.5	.....	2 c	0	nw.	.....	0	0	clear	Bachmetieff.
Spanish.																			
Barcelona, Met. Obs'y	29.66	753.3	29.77	756.1	54.0	12.2	71	w	0.9	0.4	.....	.....	10 n	.....	.....	0.295	7.5	covered	B. Jelin.
Bilbao, Met. Obs'y	29.94	760.5	30.00	762.0	55.9	13.3	66	nw.	4.0	1.8	.....	.....	10	.....	.....	0.398	10.1	covered	Angel de Uralde.
Burgos, Met. Obs'y	27.01	686.0	30.03	762.8	46.8	8.2	70	n.	4.9	2.2	.....	.....	8	.....	.....	0	0	cloudy	Domingo Martin.
Madrid, Royal Obs'y	27.72	704.2	29.95	760.6	57.9	14.4	50	se.	6.7	3.0	.....	0	3	.....	.....	0.008	0.2	clouds.	The Staff.
Murcia, Met. Obs'y	29.75	755.6	29.87	758.7	66.0	18.9	54	nnw.	8.1	3.6	.....	3	5	s.	.....	0	0	cloudy	Olayo Diaz, Director.
Santiago, Met. Obs'y	29.07	738.4	29.97	761.1	58.6	14.8	49	n.	4.9	2.2	.....	.....	9	.....	.....	0	0	almost cov'd	R. Gil Villanueva, Dir.
Sub-series.																			
Havana, Cuba	30.07	763.7	30.13	765.4	71.4	21.9	74	se.	4.9	2.2	.....	0	k	.....	.....	0	0	clear	Benito Vines, S. J.
Manilla, Philippine Islands	29.85	758.2	29.91	759.7	83.2	28.4	68	se.	6.6	3.0	.....	0	1 ks	.....	.....	0	0	clear	F. Faura, S. J.
San Fernando, Naval Obs'y	30.01	762.3	30.11	764.9	59.0	15.0	68	wnw.	9.8	4.4	.....	1	2	w.	w.	0	0	.....	Capt. C. Pujazon, R. N
San Juan de Porto Rico, W. I.	29.97	761.1	30.06	763.4	72.3	22.4	85	calm	0	0	.....	3 k	2 ku	sw.	sw.	0	0	cloudy	Enrique Gadea, Chf Eng
Swedish.																			
Haparanda	30.14	765 6	30.18	766.6	41.0	5.0	54	n.	.....	.....	2	.....	0	.....	.....	0	0	.....	
Umea	30.12	765.1	30.17	766.4	44.4	6.9	59	e.	.....	.....	4	.....	0	.....	.....	0	0	.....	
Hernosand	30.05	763.2	30.10	764 5	47.8	8.8	46	ne.	.....	.....	4	.....	1	.....	.....	0	0	.....	
Stockholm	29.79	756 6	29.67	761.1	41.7	5.4	94	e.	.....	.....	4	.....	10	.....	.....	0	0	.....	
Wisby	29.82	757.3	29.87	758.8	45.3	7.4	86	ese.	.....	.....	6	.....	10	.....	.....	0	0	.....	
Sub-series.																			
Upsala	29.85	758.2	29.94	760.4	50.4	10.2	46	e.	14.1	6.3	.....	.....	10	.....	ene.	0	0	.....	H.H.Hildebrandesson
Swiss																			
Geneva	28.31	719.0	29.71	754.7	60.4	15.8	42	n.	.....	.....	2	.....	3	.....	.....	0	0	.....	The Observatory.
Turkish.																			
Constantinople	.....	.....	29.87	758.7	53.1	11.7	70	nw.	11	5.0	.....	.....	10	.....	nw.	0	0	.....	The Observatory.
Valona	.....	.....	29.92?	760.0?	67.8	19.9	.....	sw.	.....	.....	2	.....	10	.....	.....	0	0	covered	A. Bertrand.
Sub-series.																			
Beirut, Lee Obs'y, Syria	.....	.....	29.90	759 5	72.1	22.3	61	sw.	.....	.....	2	c	7 n	.....	sw.	0	0	.....	F. Nimr, B. A., Dir.
United States.																			
Albany, New York	30.09	764.3	30.17	766.3	42.2	5.7	64	nw.	9	4.0	.....	.....	10 s	.....	nw.	0	0	cloudy	J. O. Barnes.
Alpena, Michigan	29.47	748.5	30.16	766.1	39.3	4.1	73	se.	15	6.7	.....	.....	10 n	.....	.....	inap.	inap.	light rain	Jas. J. Fitzgerald.
Apache, Fort, Arizona	24.84	630.9	29.76	755.9	34.5	1.4	94	ne.	1	0.4	.....	.....	10 s	.....	ne.	0.17	4.3	cloudy	J. B. Turton.
Assinnaboine, Ft., Montana	27.17	690.1	30.08	764.0	38.7	3.7	70	ne.	7	3.1	.....	6 k	0	ne.	.....	inap.	inap.	fair	J. J. O'Connor.
Atlanta, Georgia	28.97	735.8	30.16	766.1	65.0	18.3	66	w.	8	3.6	.....	0	2 k; hz	.....	w.	0	0	clear	S. W. Beall
Atlantic City, New Jersey	30.07	763.8	30.08	764.0	46.5	8.1	60	n.	10	4.5	.....	0	0	.....	.....	0	0	clear	B. A. Blundon.
Augusta, Georgia	29.94	760.5	30.13	765.3	65	18.3	82	w.	2	0.9	.....	7 c	hz.	.....	.....	0	0	fair	W. J. Evans.
Baltimore, Maryland	30.14	765.5	30 19	766.8	49.7	9.8	54	n.	6	2.7	.....	6 cs	0	w.	.....	0	0	fair	Geo. W. Feiger.
Barnegat City, New Jersey	30.06	763.5	30.08	764.0	45.2	7.3	63	n.	16	7.2	.....	0	0	.....	.....	0	0	clear	J. P. Sherry.
Bennett, Fort, Dakota	28.02	711.7	29.66	753.4	38.5	3.6	78	w.	19	8.5	.....	.....	10 s	.....	nw.	0.47	11.9	cloudy	A. Pritchard.
Benton, Fort, Montana	27.31	693.7	30.17	766.3	34 9	1.6	74	ne.	2	0.9	.....	0	2 s	.....	.....	0	0	clear	C. S. Bennett.
Bismarck, Dakota	27.67	701.3	29.49	749.0	37.8	3.2	96	n.	16	7.2	.....	.....	10 s	.....	n.	1.00	25.4	cloudy	B. O. Lenoir.
Block Island, Rhode Island	29.98	761.5	30.01	762.2	44.7	7.1	73	n.	16	7.2	.....	0	0	.....	.....	0	0	clear	J. T. Elker.
Boise City, Idaho	27.02	686.3	29.86	758.4	43.3	6.3	72	nw.	1	0.4	.....	1 ck	0	e.	.....	0	0	clear	James Kenealy.
Boston, Massachusetts	29.85	758.2	30.01	762.2	45.0	7.2	76	n.	17	7.6	.....	0	0	.....	.....	0	0	clear	O. B. Cole.
Brownsville, Texas	29.78	756.4	29.84	757.9	74.6	23.7	90	s.	15	6.7	.....	.....	10 s	.....	s.	0	0	cloudy	John McGlone.
Buffalo, New York	29.48	748.8	30.25	768 3	34.5	1.4	83	sw.	2	0.9	.....	0	0	.....	.....	0	0	clear	D. Cuthbertson.
Buford, Fort, Dakota	27.69	703.3	29.79	756.7	31.6	— 0.2	94	n.	26	11.6	.....	.....	1 cs	.....	n.	0.90	22.9	cloudy	A. Schneider.
Cairo, Illinois	29.63	752.6	30.04	763 0	67.1	19.5	78	sw.	8	3.6	.....	.....	10 s	.....	sw.	0	0	cloudy	W. H. Ray.
Canby, Fort, Washington Ter	29.95	760.7	30.15	765.8	47.6	8.7	90	nw.	2	0.9	.....	3 ck	2 ks	.....	.....	0	0	fair	J. H. Young.
Cape Henry, Virginia	30.13	765.3	30.15	765.8	50.5	10.3	72	ne.	18	8 0	.....	0	0	.....	.....	0	0	clear	A. K. Alderson.
Cape May, New Jersey	30.08	764.0	30.12	765.0	46.0	7.8	64	n	21	9 4	.....	0	0	.....	.....	0	0	clear	W. E. Smith.
Cape Mendocino, California	29.38	746.2	30.07	763.8	45.6	7.6	80	nw.	20	8.9	.....	0	7 s	.....	nw.	0	0	fair	A. P. Leavitt.
Cedar Keys, Florida	30.15	765 8	30.17	766 3	70.5	21.4	82	nw.	3	1.3	.....	0	0	.....	.....	0	0	clear	G. W. Davis.
Charleston, S. Carolina	30.00	762.0	30.06	763.5	69.6	20.9	68	nw.	6	2.7	.....	7 c	hz.	nw.	.....	0	0	fair	J. H. Smith.
Charlotte, N. Carolina	29.28	743.7	30.14	765.5	63.2	17.3	56	ne.	4	1.8	.....	0	fg.	.....	.....	0	0	clear	D. O'Donoghue.
Chattanooga, Tennessee	29.29	744.0	30.12	765 0	63.8	17.7	88	w	5	2.2	.....	4 ck	sk.	sw.	.....	0	0	fair	B. L. Gouilding.
Cheyenne, Wyoming	23.80	604 5	29.82	757.4	29.6	— 1.3	75	nw.	8	3.6	.....	2 c	0	nw.	.....	0	0	clear	E. McGovern.
Chicago, Illinois	29.20	741 7	29.93	760.2	55.4	13.0	76	e.	4	1.8	.....	3 c	3 k	sw.	sw.	0	0	fair	T. B. Jennings.
Chincoteague, Virginia	30.12	765.0	30.14	765.5	45.5	7.5	72	n.	18	8.0	.....	3 c	hz.	n.	.....	0	0	clear	C. F. Dickens
Cincinnati, Ohio	29.40	746.7	30.07	763.8	63.0	17.2	55	s.	3	1.3	.....	7 c	0	nw.	.....	0	0	fair	L. Dunne.
Cleveland, Ohio	29.37	746.0	30.13	765.3	44.2	6.8	68	s.	12	5.4	.....	4 c	sk.	nw.	s.	0	0	fair	W. Line.
Columbus, Ohio	29.23	742.4	30.10	764.5	52.1	11.2	68	e.	10	4.5	.....	0	8 ks	e.	.....	0	0	cloudy	F. T. Williams
Concho, Fort, Texas	27.78	705 6	29.72	754.9	67.0	19.4	84	se.	25	11.2	.....	0	0	.....	.....	0	0	clear	C. E. King.
Davenport, Iowa	26.71	678.4	29.89	759.2	34	1.1	100	w.	12	5.4	.....	.....	10 n	.....	.....	0.38	9.7	light rain	W. J. Daily.
Davis, Fort, Texas	29.18	741.2	29.85	758.2	63.0	17.2	75	sw.	5	2.2	.....	3 cs	0	w.	.....	0.16	4.1	clear	R. R. Martin.
Dayton, Washington T'y	25.03	635.8	29.81	757.2	51.0	10.6	74	sw.	8	3.6	.....	0	0	.....	.....	0	0	clear	J. Williams.
Deadwood, Dakota	28.26	717.8	30.02	762.5	37.5	3.1	92	ne.	4	1.8	.....	0	0	.....	.....	0	0	clear	H. S. Blandford.
Delaware Breakwater, Del	25.09	637.3	29.78	756.4	29.3	— 1.5	87	sw.	7	3.1	.....	.....	10 n	.....	.....	0.29	7.4	light snow	G. King, sbury.
Denver, Colorado	30.12	765 0	30.14	765.5	46.0	7.8	67	ne.	20	8.9	.....	0	0	.....	.....	0	0	clear	G. A. Martin.
Des Moines, Iowa	24.51	622.5	29.78	756 4	38.0	3.3	51	s.	6	2.7	.....	0	0	.....	.....	inap.	inap.	clear	F. M. Neal.
Detroit, Michigan	28.86	733.0	29.79	756.7	58.9	14.9	75	sw.	12	5.4	.....	0	0	.....	.....	0.16	4.1	clear	F. W. Conrad.
Dodge City, Kansas	29.41	747.0	30.14	765.5	48.2	9.0	56	ne.	4	1.8	.....	10 cs	0	ne.	.....	0	0	cloudy	N. B. Conger.
Dubuque, Iowa	27.24	691.9	29.88	758 9	52.5	11.4	59	s.	2	0.9	.....	.....	10 s	.....	s.	0	0	threatening	J. E. Lanouette.
Duluth, Minnesota	29.12	739.6	29.85	758.2	61.3	16.3	84	s.	4	1.8	.....	3 k	0	sw.	.....	0.34	8.6	clear	A. W. Browne.
Eastport, Maine	29.05	737.9	29.82	757.4	34.1	1.2	94	ne.	.....	.....	2	.....	10 n	.....	.....	0.35	8.9	light rain	E. R. Brace.
Elliott, Fort, Texas	29.79	756.7	29.86	758.4	45.0	7.2	68	n.	15	6.7	.....	0	3 s	.....	n.	0.09	2.3	clear	D. C. Murphy.
El Paso, Texas	27.07	687.6	29.85	758.2	54	12.2	88	nw.	10	4.5	.....	.....	10 n	.....	sw.	0.20	5.1	thund'r st'm	J. C. Rickli.
Erie, Pennsylvania	26.13	663 7	29.87	758 7	48.1	8.9	38	w.	2	0.9	.....	.....	9 k	.....	sw	0	0	cloudy	F. Belford.
Escanaba, Michigan	29.45	748.0	30.20	767.1	43.1	6.2	74	calm	0	0	.....	8 ck	0	.....	.....	0	0	cloudy	P. Wood.
Fort Smith, Arkansas	29.28	743.7	29.98	761.5	40.6	4.8	90	e.	12	5.4	.....	.....	10 n	.....	se.	0.14	3.6	light rain	L. M. Pindell.
Galveston, Texas	29.48	748.8	29.96	761.0	63.2	17.3	93	calm	0	0	.....	.....	10 s	.....	.....	0.10	2.5	cloudy	J. B. Campbell.
Grand Haven, Michigan	29.94	760.5	29.98	761.5	72.0	22.2	92	s.	12	5.4	.....	4 k	5 s	s.	s.	0	0	cloudy	E. O'C. Macnamara
Grant, Fort, Arizona	29.29	744.0	29.98	761.5	46.1	7.8	76	n.	17	7.6	.....	0	9 s	.....	nw.	1.10	27.9	threatening	Joseph E. Mueller.
Hatteras, North Carolina	25.10	637.5	29.83	757.7	40.6	4.8	56	nw.	6	2.7	.....	2 ck	0	sw.	.....	0	0	clear	Chas. A. Read.
	30.09	764.3	30.10	764.5	53.1	11.7	61	ne.	15	6.7	.....	0	hz.	.....	.....	0.14	3.6	clear	R. M. Crawford.

STATIONS.	Barometer. Corrected for instrumental error and for temperature.		Barometer. Reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind. Direction.	Wind. Velocity.		Wind. Force.	Clouds. Amount and kind. Upper.	Clouds. Amount and kind. Lower.	Clouds. Direction. Upper.	Clouds. Direction. Lower.	Rainfall or melted snow in the past 24 hours.		Weather.	Observers.
	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	0–10	From.	From.	Inch.	Mill.		
United States.—Cont'd.																			
Helena, Montana	25.82	655.8	30.03	762.7	37	2.8	64	nw.	4	1.8		0	7 ks			0	0	fair	**S. W. Morrison.**
Huron, Dakota	28.23	717.0	29.68	753.9	39.7	4.3	80	sw.	5	2.2		0	4 s			0.26	6.6	fair	S. W. Glenn.
Indianapolis, Indiana	29.17	740 9	29.99	761.7	64.0	17.8	73	s.	3	1.3			10 s		s.	0	0	cloudy	C. F. R. Wappenhans.
Indianola, Texas	29.88	758.9	29.91	759.7	72.2	22.3	96	s.	4	1.8			10 s		s.	0	0	cloudy	I. A. Reed.
Jacksonville Florida	30.08	764.0	30.12	765.0	71.0	21.7	71	s.	5	2.2		3 cs	0			0	0	clear	J. W. Smith.
Keokuk, Iowa	29.22	742.2	29.89	759.2	64.3	17.9	78	s.	3	1.3		1 cs	0			0	0	clear	F. Z. Gosewisch.
Key West, Florida	30.10	764.5	30.12	765.0	73.7	23.2	74	ne.	10	4.5		0	0			0	0	clear	**J. Harvey Smith.**
Kittyhawk, North Carolina	30.11	764.8	30.13	765.3	50.0	10.0	65	ne.	22	9.8		0	hz.			0		clear	**Wesley Blake.**
Knoxville, Tennessee	29.08	738.6	30.12	765.0	63.5	17.5	86	ne.	2	0.9		5 ck	0			inap.	inap.	fair	J. A. Cody.
La Crosse, Wisconsin	28.99	736.3	29.79	756.7	54.8	12.7	80	s.	6	2.7		0	0			0.25	6.3	clear	S. C. Emery.
Leavenworth, Kansas	28.96	735.6	29.87	758.7	61	16.1	87	s.	9	4.0		0	5 s		sw.	0	0	fair	C. Dill.
Lewiston, Idaho	29.24	742.7	30.09	764.3	44 4	6.9	82	ne.	1	0.4		0	0			0	0	clear	C. E. Butler.
Little Rock, Arkansas	29.69	754.1	30.01	762.2	64.3	17.9	93	sw.	4	1.8			10 n			0.91	23.1	light rain	W. U. Simons.
Los Angeles, California	29.66	753.4	30.06	763.5	50.0	10.0	93	e.	4	1.8			10 s		se.	0.02	0.5	cloudy	T. S. Collins.
Louisville, Kentucky	29.45	748.0	30.02	762.5	67.3	19.6	76	se.	7	3.1		2 cs	7 s		se.	0.03	0.8	cloudy	**E. B. Garriott.**
Lynchburg, Virginia	29.48	748.8	30.19	766 8	54.0	12.2	80	nw.	1	0.4		0	sk.			0	0	clear	Jno. Healy.
Mackinaw City, Michigan	29.40	746.7	30.08	764.0	38.0	3.3	89	se.	19	8.5			10 n		se.	0.06	1.5	light rain	D. B. Notson.
Macon, Fort, North Carolina	30.10	764.5	30.11	764.8	57.6	14.2	65	ne.	22	9.8		0	hz.			0	0	clear	William Daly.
Maginnis, Fort, Montana	25.53	648.5	30.03	762.7	36.5	2.5	49	w.	14	6.3			10 k		w.	0.09	2.3	cloudy	F. Burke.
Marquette, Michigan	29.23	742.4	29.98	761.5	40.8	4.9	77	se.	6	2.7			10 s		se.	0.25	6.3	cloudy	J. Gilligan.
Memphis, Tennessee	29.68	753.9	30.02	762.5	65.5	18.6	81	se.	8	3.6			10 s		s.	0.15	3.8	cloudy	D. T. Flannery.
Milwaukee, Wisconsin	29.16	740.7	29.93	760.2	45.0	7.2	78	se.	12	5.4		1 c	0	W.		0.37	9.4	clear	**S. W. Rhode.**
Mobile, Alabama	30.09	764.3	30.13	765.3	68.5	20.3	91	ne.	2	0.9		5 k	5 s		s.	0	0	cloudy	H. U. Jones.
Montgomery, Alabama	29.92	760.0	30.15	765.8	66.2	19.0	89	s.	2	0.9		2 ck	0	s.		0	0	clear	**S. M. Leitzell.**
Moorhead, Minnesota	28.54	724.9	29.57	751.1	43.0	6.1	84	s.	4	1.8			10 s		s.	0.68	17.3	cloudy	**L. M. Dey.**
Mt. Washington, N. H.	23.73	602.7	30.14	765.5	25.2	— 3.8	77	ne.	30	13.4		0	0			0.08	2.0	clear	**E. A. Beals.**
Nashville, Tennessee	29.48	748.8	30.06	763.5	68.4	20.2	72	se.	3	1.3		9ck;cs	0	sw.		0	0	cloudy	L. N. Jesunofsky
New Haven, Connecticut	29.95	760.7	30.07	763.8	46.3	7.9	58	ne.	17	7.6		0	0			0	0	clear	J. H. Sherman.
New London, Connecticut	29.99	761.7	30.04	763.0	48.0	8.9	63	n.	6	2.7		hz.	0			0	0	clear	J. G. Lynch.
New Orleans, Louisiana	30.04	763.0	30.10	764.5	70.0	21.1	76	se.	1	0.4			10 ks		se.	0	0	cloudy	M. Herman.
New York, New York	29.91	759.7	30.09	764.3	46.4	8.0	60	n.	11	4.9		0	hz.			0	0	clear	**W. Finn.**
Norfolk, Virginia	30.09	764.3	30.12	765.0	54.6	12.6	63	ne.	8	3.6		hz.	0			0	0	clear	Wm. Davis.
North Platte, Nebraska	26.87	682 5	29.83	757.7	37.6	3.1	84	sw.	5	2.2		0	0			inap.	inap.	clear	**E. F. Brady.**
Olympia, Washington T'v	30.09	764 3	30.13	765.3	38	3.3	89	calm	0	0		0	0			0.03	0.8	clear	J. Dascomb.
Omaha, Nebraska	28.58	725.9	29.78	756.4	54.7	12.6	70	sw.	6	2.7		0	0			0.03	0.8	clear	A. Pollak
Oswego, New York	29.88	758.9	30.22	767.6	40.0	4.4	71	ne.	9	4.0		0	7 s		w.	0	0	fair	J. G. Linsley.
Palestine, Texas	29.42	747.3	29.98	761.5	68.3	20.2	100	se.	11	4.9			10 n			0.82	20.8	light rain	**P. T. Jenkins.**
Pensacola, Florida	30.10	764.5	30.13	765 3	70.0	21.1	92	s.	4	1.8		2 ck	0	w.		0	0	clear	M. McGauran.
Philadelphia, Pa	30.02	762.5	30.15	765.8	44	6.7	88	nw.	12	5.4		1 c	hz.	nw.		0	0	clear	T. F. Townsend.
Pike's Peak, Colorado	17.54	445.5	29.82	757.4	3.0	—16.1	83	nw.	32	14.3		0	0			0	0	clear	H. Hall.
Pittsburg, Pennsylvania	29.34	745.2	30.17	766.3	45.7	7.6	72	ne.	5	2.2		0	0			0	0	clear	O. D. Stewart.
Poplar River, Montana					31.9	— 0.1	89						10 s			0.39	9.9	cloudy	**Geo. A. Carden.**
Port Huron, Michigan	29.43	747.5	30.13	765.3	40.0	4.4	82	se.	4	1.8			10 s			0	0	cloudy	M. H. Perry
Portland, Maine	29.92	760.0	29.97	761.2	49.9	9.9	88	n.	16	7.2		0	0			inap.	inap.	clear	W. W. Eichelberger.
Portland, Oregon	30.05	763.3	30.12	765.0	42.0	5.6	89	calm	0	0		0	2 s			0	0	clear	M. L. Hearne.
Prescott, Arizona	24.6	624.8	29.87	758.7	32.0	0.0	94	sw.	1	0.4		0	7 s		s.	0.14	3.6	fair	**J. Glover.**
Provincetown, Mass																			O. N. Kitchel.
Red Bluff, California	29.57	751.1	29.93	760.2	52.5	11.4	82	calm	0	0		0	8 ks		n.	0	0	cloudy	J. R. Williams.
Rio Grande City, Texas	29.62	752.3	29.86	758 4	75.8	24.3	82	se.	12	5.4			fg.		se.	0	0	dense fog	**L. G. Schultz.**
Rochester, N. Y	29.56	750.8	30.25	768.3	38	3.3	81	ne.	1	0.4			10s;hz			0	0	cloudy	E. W. McGann.
Roseburg, Oregon	29.58	751 3	30.14	765.5	45.3	7.4	74	n.	1	0.4		0	3k.		w.	0	0	clear	J. J. Naury.
Sacramento, California	29.86	758.4	29.93	760.2	52.5	11.4	85	s.	14	6.3		0	0			0	0	clear	J. A. Barwick
St. Louis, Missouri	29.34	745.2	29.97	761.2	66.7	19.3	81	s.	14	6.3			10 s		s.	inap.	inap.	cloudy	J. H. Weber.
St. Michael, Fort, Alaska	29.41	747.0	29.44	747.8	35	1.7	89	ne.	7	3.1			10 s			0	0	cloudy	**Fred. H. Clarke.**
St. Paul, Minnesota	28.82	732.0	29.70	754.4	52.0	11.1	94	se.	10	4.5			10 s			0.26	6.6	cloudy	P. F. Lyons.
St. Vincent, Minnesota	28.72	729.5	29.63	752.6	38.5	3.6	100	e.	10	4.5			10 n			0.18	4.6	light rain	C. B. Dilley
Salt Lake City, Utah	25.47	646.9	29.84	757.9	39.5	4.2	88	ne.	4	1.8			10 n			0.33	8.4	light rain	J. Craig.
San Diego, California	29.98	761.5	30.05	763.3	50.0	10.0	93	e.	4	1.8		0	4 k		nw.	0.06	1.5	fair	F. R. Day.
Sandusky, Ohio	29.42	747.3	30.12	765.0	48.9	9.4	63	se.	9	4.0			10 s		se.	0	0	cloudy	B. F. Hough.
Sandy Hook, New Jersey	30.07	763.8	30.10	764.5	45.4	7.4	76	n	18	8.0		0	0			0	0	clear	**V. P. Chappel.**
Sanford, Florida	30.06	763.5	30.11	764.8	69.0	20.6	76	sw.	2	0.9		0	fg.			0	0	clear	J. B. Marbury
San Francisco, California	29.91	759.7	29.98	761.5	50.4	10.2	84	sw.	9	4.0		0	2 s		w.	0	0	clear	N. Gorom.
Savannah, Georgia	30.00	762.0	30.09	764.3	71.5	21.9	59	w.	7	3.1		0	hz.			0	0	clear	**H. W. Ford.**
Shaw, Fort, Montana	26.44	671.6	30.11	764.8	34	1.1	71	n.	8	3.6		1 c	2 s	W.	s.	0.40	10.2	clear	**A. L. Mathews.**
Shreveport, Louisiana	29.78	756.4	30.02	762.5	68.1	20.1	90	s.	8	3.6		1 c	2 s	W.	s.	0.40	10.2	clear	**E. N. Meekins.**
Sitka, Alaska	29.86	758.4	29.93	760.2	48	8.9	68	se.	16	7.2			10 n		se.	0.10	2.5	light rain	F. W. Fickett.
Smithville, North Carolina	30.03	762.7	30.07	763.8	64.5	18.1	77	ne.	15	6.7		0	hz.			0	0	clear	O. Parker.
Spokane Falls, Wash. Ter.	27.96	710.2	30.02	762.5	39.5	4.2	87	calm	0	0		0	0			inap.	inap.	clear	**D. Moore.**
Springfield, Illinois	29.25	742.9	29.95	760.7	65.6	18.7	79	sw.	2	0.9		0	6 s		sw.	0.01	0.3	fair	**W. Norrington.**
Stockton, Fort, Texas	26.79	680.5	29.82	757.4	55.3	12.9	44	sw.	6	2.7		0	0			0	0	clear	J. W. Byram.
Tatoosh Id., Wash. Ter	30.03	762.7	30.12	765.0	46.0	7.8	96	calm	0	0		0	0			0	0	clear	**R. Connor.**
Thomas, Camp, Arizona	27.24	691.9	29.97	761.2	39.5	4.2	58	s.			1	0	0			0	0	clear	R. O. Lord.
Toledo, Ohio	29.35	745.5	30.06	763.5	49.5	9.7	67	se.	4	1.8		4 cs	3 s	W.		0	0	fair	A. Buell.
Unalashka, Alaska	29.25	742.9	29.27	743.4	35	1.7	89	sw.	20	8.9			10 n		sw.	0.21	5.3	light snow	Samuel Applegate.
Vicksburg, Mississippi	29.85	758.2	30.11	764.8	67.3	19.6	86	calm	0	0		0	0			0	0	clear	**F. W. Mixer.**
Washington, D. C.	30.08	764.0	30.20	767.1	47.2	8.4	65	n.	5	2.2		2 c	hz.	nw.		0	0	clear	T. B. Harrison.
West Las Animas, Colorado	25.82	655.8	29.77	756.1	42	5.6	40	w.	2	0.9		0	1 s			0	0	clear	F. H. Brandenburg
Wilmington, N Carolina	30.02	762.5	30.08	764.0	63.0	17.2	68	ne.	8	3.6		0	0			inap.	inap.	clear	**L. H. Albrecht.**
Yankton, Dakota	28.39	721.1	29.73	755.1	45.0	7.2	63	nw.	12	5.4		0	0			0	0	clear	E. H. Thompson.
Yuma, Arizona	29.80	756.9	29.95	760.7	53.7	12.1	62	w.	4	1.8		0	1 s			inap.	inap.	clear	W. S Delano.
Sub-series.																			
Behring Island, Kamchatka	29.91	759.7	29.93	760.2	33.7	0.9		e.	10	4.5			10 n			0.01	0.3	cloudy	**George Oherulck.**
Bluefields, Nicaragua, C. A.					80	26.7		nw.			1	0	4 k		ne.	0	0	fair	W. B. Jackson.
Bogota, U. S. C.	22.02	559.3			53.6	12.0	93	calm	0	0						1.122	28.5		Joaquin Gomez.
Chimo, Fort, Ungava	30.53	775.4	30.65	779.3	12	—11.1	80	calm			0	0	0			0	0	clear	**L. M. Turner.**
Kingston, Jamaica, W. I.			30.04	763.0	81	27.2	66	calm	0	0		0	0			0	0	fine	Robert Johnstone
Paramaribo, S. A.	30.00	762.0	30.00	762.0	78	25.6	86	e.			2	5 ck	5 k	e'		0.010	0.3	raining	Dr. C. J. Hering.
Puerto Berrio, U. S. C.	29.58?	751.3?	30.14?	765.5?	77	25.0	94	s.			1		10 k		calm	1.30	33.0	raining	Francisco J. Olsner.
Rivas, Nicaragua, C. A.	29.91?	759.7?	30.07?	763.8?	78	25.6	84	ne.			2	5 cs	2 ks	e.	ne.	0	0	fair	Earl Flint.
York Factory, B. A.	29.78	756.4	29.84	757.9	14.5	— 9.7	91	s.	11	4.9		2 c	2 s	s.	s.	0	0	fair	Fortescue & Wood.
U. S. of Colombia. *(Sub series).*																			
Colon																			P. Fasiani.
Nuds, Bay of Panama																			Antonio Fabre.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity.	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-swell.		Weather.
						Direction.	Velocity.		Amount and kind.		Direction.				Character.	Direction from	
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	Upper. 0–10	Lower. 0–10	Upper. From.	Lower. From.	Inch.	Mill			
District No. 1—North Atlantic																	
S. S. Alvo, N. 36° 55′, W. 74° 00′*	30.06	763.5	46	7.8		nnw.			6		4	n.		0	0	long	n.	fine.
S. S. Assyrian Monarch, N. 49° 46′, W. 12° 15′ †....	29.97	761.2	53	11.7		wnw.			5		4		wnw.	2 h'r	2 h'r	mod.	wnw.	hazy.
S. S. Bohemia, N. 45° 08′, W. 30° 10′						wnw.			4–5		5		w.	0	0	mod	w.	fair
Bk. C. S. Bushnell, N. 42° 13′, W. 66° 47′						nnw.			4		10		nnw.	0	0	sm'h	nnw.	foggy.
S. S. Circassian, N. 47° 28′, W. 52° 24′	29.87	758.7	38	3.3	100	ssw.			3		10		ssw.			2	s.	rain & fog.
S. S. Cienfuegos, N. 32° 34′, W. 75° 24′	30.00	762.0	73	22.8		ne.			1		0			0	0	small	nw.	hazy.
S. S. Denmark, N. 41° 33′, W. 44° 35′†	30.23	767.8	64	17.8	89	sse.			6		8		se.			r'gh	sse.	cloudy.
S. S. Elbe, N. 46° 02′, W. 37° 20′	30.45	773.3	57.2	14.0		w.			4		7		w	0	0	sm'h	w.	fair.
S. S. Gellert, N. 43° 26′, W. 39° 19′	30.44	773.2	68	20.0		s.			4		4		s.	0	0	mod.	s.	fair.
S. S. Gallia, N. 51° 11′, W. 21° 12′	..		58	14.4		w.			5		5		nw.	0	0	high	nw.	fair.
S. S. Holland, N. 40° 42′ W. 67° 32′*	29.83	757.7	44	6.7		nnw.			3		10		nnw.	0	0	light	nw.	light fog.
S. S. Helvetia, N. 49° 30′, W. 24° 28′			63	17.2	78	wnw.			3		10			0	0	long	wnw.	overcast.
Bg. L. & W. Armstrong, N. 29° 37′, W. 65° 33′						w.			4		3		wsw.	0	0	sm'h	wnw.	clear.
S. S. Lone Star, N. 24° 36′, W. 80° 50′†	30.08	764.0	76	24.4		ene.			3		0			0	0	small	ene.	clear.
S. S. Llandaff City, N. 45° 33′, W. 28° 05′*†	30.25	768.3	60	15.6		nw.			6		9		nnw.	0	0	mod.	nw.	dull.
S. S. Madrid, N. 49° 41′, W. 35° 40′ †	30.31	769.9	58	14.4	88	w.			4		9		w.	0	0	sm'h	wnw.	cloudy.
S. S. Nova Scotian, N. 37° 33′, W. 73° 52′			49	9.4		nne.			4		2		ne.			light	ne.	clear.
S. S. Nessmore, Liverpool, Eng	29.72	754.9	50	10.0	86									6 h'r	6 h'r			squally.
S. S. Orinoco, New York, N. Y †	30.10	764.5	62	16.7		n.			2		0			0	0			clear.
S. S. Republic, N. 46° 26′, W. 35° 17′ †	30.42	772.7	59	15.0		nw.			2		10		nw.	0	0	light	w.	hazy.
S. S. Rosse, N. 48° 13′, W. 15° 06′			55	12.8	68	nw.			4		8		nw.	0	0	mod.	nw.	cloudy.
S. S. Rhaetia, Staten Id, N. Y. Harbor			48	8.9		nne.			3		0?			3 h'r	3 h'r			fair?
S. S. State of Georgia, N. 45° 55′ W. 40° 40′†	30.41	772.4	64	17.8		s.			5		10		wsw.	0	0	sm'h		cloudy.
Bk. Tuck Sing, N. 33° 25′, W. 71° 45′ *†	30.01	762.2				nnw.			3		0			0	0	sm'h		clear.
S. S. The Queen, N. 41° 12′, W. 54° 33′	29.76	755.9	62	16.7		sse.			4		8		sw.	2 h'r	2 h'r	h'vy	se.	rainy.
S. S. Valencia, La Guayra, Venezuela†	29.95	760.7	81	27.2	85	ne.			1		2		ene.	0	0	light	n.	clear.
S. S. Virginian, N. 40° 40′ W. 45° 28′						se.			6		10		sw.	2 h'r	2 h'r	r'gh	s.	
S. S. Wieland, N. 41° 46′, W. 59° 36′			51	10.6		nw.			3		8		nw.	4 h'r	4 h'r	mod.	nw.	covered.
S. S. Weser, N. 39° 05′, W. 56° 20′	29.71	754.6	59.0	15.0		sse.			5		8		sse.	9 h'r	9 h'r	6	ese.	cloudy.
S. S. Westernland, Jersey City, N. J	30.09	764.3	49	9.4	71	wnw			3		4		nnw.	0	0			clear.
S. S. Waesland, New York, N. Y	30.09	764.3	48	8.9		n.			6		0			0	0			clear.
Schr. Adda Doane, Port Antonio, Jamaica, W. I †	30.09	764.3				sse.			2		2		e.	0	0			clear.
Bg. Belle of the Bay, N. 24° 28′, W. 82° 02′						e.			3		3		e.	0	0	sm'h	e.	clear.
S. S. British Princess, N. 41° 30′, W. 46° 30′†	30.19	766.8				sse.			6		10		sse.	0	0	r'gh	s.	overcast.
S. S. Caracas, N. 32° 26′, W. 71° 08′*†.	30.01	762.2	69.5	20.8	68	nnw.			6		0			0	0	r'gh	nnw.	clear.
S. S. City of Merida, N. 22° 30′, W. 87° 00′			77	25.		ese.			2		0			0	0	light	ese.	clear.
S. S. Devonia, N. 50° 06′, W. 14° 40′ †	30.19	766.8	54	12.2		sw.			3		8		sw.	6 h'r	6 h'r	mod.	wnw.	cloudy.
S. S. Erin, N. 51° 10′, E. 1° 12′			55	12.8		sw.			2		2		w.	0	0	sm'h		hazy.
S. S. England, N. 41° 31′, W. 45° 17′						s.			5		0			0	0	sm'h		clear.
S. S. Germanic, N. 42° 14′ W. 46° 00′*†	30.18	766.6	64	17.8	78	sse.			6		9		se.	1 h'r	1 h'r	mod.	se.	hazy.
S. S. Grecian, Glasgow, Scotland	29.55	750.6	54	12.2	87	wnw.			4		5		wnw.	3 h'r	3 h'r			cloudy.
S. S. Habsburg, N. 46° 28′, W. 38° 32′						wsw.			2		10		wsw.	0	0	sm'h	nw.	overcast.
Bk. Idaho, N. 21° 20′, W. 81° 15′*†	30.11	764.8				e.			3		0			0	0	mod.	e.	clear.
S. S. Italy, N. 45° 00′, W. 39° 32′*	30.41	772.4	62	16.7	83	ssw.			3		8		w.	0	0	sm'h	ssw.	cloudy.
Bg. Lilian, N. 15° 45′, W. 60° 40′ †..	30.01	762.2				ene.			2		8					sm'h	var.	showery.
S. S. Labrador, N. 48° 20′, W. 28° 28′*†	30.22	767.5	59.0	15.		wnw.			5		4		w.			sm'h	wnw.	fair.
S. S. Neckar, N. 40° 50′, W. 65° 45′	29.73	755.1	50	10 0		n.			6		8		n.	4 h'r	4 h'r	r'gh	n.	cloudy.
S. S. New York, N. 28° 00′, W. 90° 45′ *†	30.08	764.0	78	25.6		s.			4		3		s.			mod.	s.	clear.
S. S. Pennsylvania, N. 48° 41′, W. 29° 30′			55	12.8	100	w.			5		7		w.	0	0	mod.	w.	overcast.
S. S. Prussian, N. 47° 24′, W. 39° 01′	30.36	771.1	60	15.6		sw.			3		9		sw.	0	0	mod.	wsw.	cloudy.
S. S. Pavonia, N. 42° 55′, W. 49° 19′	30.06	763 5	55	12.8	81	sse.			3		10			0	0	mod.	se.	foggy.
S. S. Samaria, Liverpool, Eng			51	10.6		wnw.			5		2		nw.	0	0			squally.
U. S. S. Alliance, Key West, Fla	30.11	764.8	75	23.9	77	n.			2		2			0	0	sm'h		clear.
U. S. S. Galena, N. 23° 29′, W. 83° 57′ *	30.04	763.0	76	24.4	82	ene.			5		8		ene.			r'gh	e.	fair.
U. S. S. Jamestown, N. 17° 20′, W. 64° 09′	30.07	763.8	77	25.0	53	nnw			4		2					sm'h	nne.	fair.
U. S. S. Kearsarge, Smyrna, Turkey	29.82	757.4	70	21.1	66	wnw.			3		5		nw.					fair.
U. S. S. Lancaster, Smyrna, Turkey	29.85	758.2	72	22.2	80	w.			3		2		w.			sm'h		fair.
U. S. S. New Hampshire, Newport, R. I	30.01	762.2	44	6.7	45	n.			4		2							fair.
U. S. S. Ossipee, Hampton Roads, Va *	30.07	763.8	53	11.7	79	nne.			4		0							clear.
U. S. S. Pensacola, N. 22° 03′, W. 62° 24′†..	30.07	763.8	75	23.9	60	calm			0		2		calm	0	0	long	nw.	clear.
U. S. S. Portsmouth, Newport, R. I			44	6.7	84	n			4		2		n.					fair.
U. S. S. Powhatan, Newport, R. I	30.01	762.2	49	9.4	78	nnw.			4		2							clear.
U. S. S. Quinnebaug, Syrmna, Turkey	29.76	755.9	70	21.1	66	w.			2		2		w.			sm'h		fair.
U. S. S. Saratoga, Funchal, Madeira	30.21	767.3	65	18.3	54	wsw.			1		2		wsw.	0	0	sm'h		clear.
U. S. S. Swatara, Key West, Fla	30.12	765.0	75	23.9	90	ne.			2–3		0			0	0	sm'h		clear.
U. S. S. Tennessee, Key West, Fla	30.11	764.8	73	22.8	90	ene.			3		0			0	0	mod.		clear.
U. S. S. Vandalia, Matanzas, Cuba, W. I	30.10	764.5	72	22.2	76	se.			1		0							clear.
U. S. S. Yantic, Bahia Honda Key, Fla	30.14	765.5	75	23.9	72	e.			2		2							fair.
U. S. Navy Yard, Portsmouth, N. H*	29.93	760.2	47	8.3	85	nw.	10	4.5			0			0	0			clear.
H. M. S. Alexandra, N. 35° 53′, E. 14° 31′	29.74	755.4	75	23.9	64	s.			1		7	s.						d. clouds.
H. M. S. Alecto, N. 5° 33′, W. 0° 11′	29.88	758.9	85	29.4		ssw.			1		4					2	s.	d. clouds,
H. M. S. Minotaur, N. 36° 30′, W. 3° 35′	29.99	761.7	60	15.6	68	wsw.			6		0					3	w.	misty.
H. P. M. S. Douro, St. Thomas, Gulf of Guinea	29.86	758 4	86.0	30.0	78	n.			1		5		nw.	0	0	1	nnw.	
S. S. British Crown, N. 51° 15′, W. 12° 37′†	29.92	760.0	46	7.8		wnw.			4		5		nw.	0	0 .	mod.	nw	fine.
S. S. British Prince, N. 40° 15′, W. 54° 59′			63	17.2	95	sse.			5		10		se.	6 h'r	6 h'r	h'vy	se.	drizzling.
S. S. Ohio, (Am.) Liverpool, Eng †	29.73	755.1	46.5	8.1	96	wsw.			1		10		nw.	2 h'r	2 h'r			raining.
S. S. Scandinavian, N. 54° 14′, W. 12° 25′	29.77	756 1	48	8.9		wnw.			5		4		wnw.	sh'rs	sh'rs	high	wnw.	d. clouds.
S. S. Athos, Savanilla, U. S. C						ene.			3		2		ese.	6 h'r	6 h'r	mod.	se.	light haze.
S. S. Dorian, N. 42° 15′, W. 57° 00′	29.64	752.8				sse.			4		5		se.	0	0	long	se.	fine.
S. S. Westphalia, N. 40° 14′, W. 50° 45′			55	12.8		se.			8		10		se.	10 h'r	10 h'r	h'vy	sse.	misty.
S. S. Moravia, N. 45° 20′, W. 38° 45′			55.4	13.		wsw.			4		10		w.	0	0	sm'h		cloudy.
S. S. Venetian, N. 42° 06′, W. 55° 00′ *	29.66	753.4	56 3	13.5		var.			6		8	ssw.	sse.	4½ hr	4½ hr	7	ese.	d. clouds.
S. S. Archimedes, (Br) N. 18° 22′, W. 24° 59′	29.98	761.5				e.			4–5		0			0	0	mod.	ne.	hazy.
S. S. Hevelius, Liverpool, Eng			51	10.6		w.			3		3		w.	5 h'r	5 h'r			clear.
S. S. Sirius, N. 17° 23′, W. 24° 48′	30.01	762.2				e.			3		0		e,	0	0	mod.	ene.	cloudy.
S. S. Teniers, N. 5° 12′, W. 28° 21′	29.93	760.2	80.9	27.2	87	nne.			1	cs	4 kn	se.	sse.			2	var.	d. clouds.
S. S. Olbers, N. 46° 55′, W. 30° 02′	30.22	767.6	57	13.9	100	w.			4–5		9		wnw.	0	0	sli't	w	hazy.
S. S. Archimede, (It.) N. 38° 24′, E. 5° 22′ †	29.75	755.6	64	17.8		wsw.			6		5?		wsw.	light	light	h'vy	wsw.	cloudy?
S. S. Gottardo, Marseille, France			58	14.4		s.			9		10		s.	4 h'r	4 h'r			
S. S. Oregon, (Br) N. 47° 46′, W. 36° 24′	30.30	769.6	57	13.9		wsw.			3		9		wsw.	0	0	mod.	wsw.	overcast.
S. S. Donau, N. 41° 11′, W. 52° 12′	29.90	759.4				sse.			6		10		sse.	6 h'r	6 h'r	cross	var	overcast.
S. S. City of Augusta, Savannah, Ga *†	30.07	763.8				wsw			3		4		wsw.	0	0			clear.
S. S. Belgenland, N. 40° 16′, W. 53° 57′			66	18.9	94	s.			5				sse.	rain	rain	long	se.	overcast.
S. S. Pennland, N. 47° 52′, W. 22° 34′			56	13.3	75	w.			4		6		w.	0	0	mod.	nw.	hazy.
S. S. Amsterdam, New York, N. Y						nw.			3		3		nw.	0	0			fair.
S. S. W. A. Scholten, Rotterdam, Holland	29.79	756.7	53.2	11.8	69	n			1		1			0	0			clear
S. S. Zaandam, N. 50° 10′, W. 18° 00′	30.05	763.3	54.0	12.2	77	wnw.			6		5?		wnw.	0	0	long	wnw.	cloudy?
S. S. Maasdam N. 42° 56′, W. 38° 22′*	30.47	773.9	63	17.2	72	sse.			2–3		10		s.	0	0	1	s.	cloudy.
S. S. Saxon, Philadelphia, Pa						wnw.			1		0			0	0			fine.
S. S. Baltic, N. 46° 59′, W. 32° 55′						wnw.			4		8		w.	driz.	driz.	mod	wnw.	cloudy.
S. S. Marengo, N. 41° 56′, W. 44° 59′			63	17.2		sse.			7		8		sse.	1 h'r	1 h'r	r'gh	var.	cloudy.
S. S. Salerno, N. 50° 31′, W. 2° 24′			58	14.4		w.			3		5		w.	0	0	sm'h	w	hazy.
Bg. Alcira, Punta Palma Venezuela			82	27.8		ne.			2		6		ne.	0	0			cloudy.

VESSELS, WITH POSITION AT TIME OF OBSERVATION.	Barometer reduced to sea-level.		Temperature of the air.		Relative humidity	Wind.			Clouds.				Rainfall or melted snow in the past 24 hours.		Sea-Swell.		Weather.
						Direction.	Velocity		Amount and kind.		Direction.				Character.	Direction from.	
									Upper.	Lower.	Upper.	Lower.					
	Inch.	Mill.	Fah.	Cent.	Per cent.	From.	Miles p. hr.	Mtrs. p. sec	0–10	0–10	From.	From.	Inch.	Mill.			
District No. 1—North Atlantic.—Continued.																	
S. S. Antonio Lopez, Cadiz, Spain	30.09	764 3	61	16.1	63	w.			4				0	0			clear.
Schr. Arthur Burton, N. 23° 54′, W. 70° 30°†	30.13	765.3				n.			1	3		n.	0	0	r'gh	n	fine.
Schr. Annie R. Lewis, Porto Plata, SanDomingo, W.I†	30.10	764.5	79	26.1		calm			0	0			1 h'r	1 h'r			clear.
Schr. Annie A. Holton, N 23° 14′, W. 97° 07′			80	26.7		ese.			2	10		se.	0	0	mod.	ese.	hazy.
Bgt. Achsah, N. 45° 00′, W. 66° 05′ †	29.86	758.4				nnw.			2	8		n.	0	0	sm'h	e	fair.
S. Annie, Staten Island, N.Y	30.11	764.8				n.			3	0							clear.
Bk. Adelaide, Chesapeake Bay			55	12.8		nne.			5	0			0	0			clear.
Schr. Abbie H. Gheen, Philadelphia, Pa.*†	30.15	765.8	54	12.2		nnw.			1								clear.
Bk. Benjamin Dickerman, N. 20° 18′, W. 62° 48′*†	30.06	763.5	74	23.3		nne.			4	8			0	0	long	nw.	cloudy.
Bk. Charles Stewart, N. 37° 54′, E. 2° 46′*†	29.80	756.9				wnw.			6	5		wnw.	sh'rs	sh'rs	h'vy	w	fair.
S. Cornelius, N. 22° 10′, W. 49° 34′*†	30.12	765.0	77	25.0		se.			4	3			0	0	long	ne.	fair.
Bkt. Corisande, N. 42° 38′, W. 60° 54′	29.64	752.8				nw.			3				0	0	mod.	ese.	hazy.
Bk. Diamant, N. 50° 08′, W. 2° 40′			50.9	10.5	77	sw.			4	4		w.	0	0	1	w.	clear.
S. E. J. Spicer, N. 50° 07′, W. 1° 55′	29.82	757.4	56	13.3	87	wsw.			2	hz		nw.	0	0	sm'h		hazy.
U.S. Fish Com. S. S. Fish Hawk, Washington, D. C†...	30.17	766.3	49	9.4		ne.			1	1		calm	0	0	sm'h		clear.
Bk. Fred. W. Carlon, N. 19° 40′, W. 68° 00′†	30.11	764.8	80	26.7		ne.			3	2		ne.	0	0	mod.	ne.	clear.
S. Ismir, N. 32° 05′, W. 72° 18′						n.			5	2		n.	0	0	r'gh	n.	fine.
Bg. George, N. 29° 39′, W. 67° 20′*†	29.99	761.7				wsw.			3	2		w.	0	0	mod.	nnw.	fair.
Bk. Gloire, N. 45° 30′, W. 24° 30′	30.26	768.6	57.5	14.2	90	wnw.			3			wnw.	24 h'r	24 h'r	long	n.	cloudy.
Bk. George Davis, English Channel *†	29.82	757.1				wsw.			3				0	0			
Bk. Guleon, N. 15° 30′, W. 61° 30′†	30.03	762.7	84	28.9		ene.			1	1			0	0			blue sky.
S. Hedwig, N. 37° 22′, E. 2° 53′			59.0	15.0	80	wsw.			5	3		wsw.	1½h'r	1½h r	3	sw.	squally.
Bk. Hattie G. McFarland, Pascagoula, Miss			72	22.2		ese.			2	9		se.	0	0			cloudy.
S. Henry, N. 37° 23′, E. 2° 17′*	29.86	758 4	58.5	14.7						6 k					5	W.	hazy.
Bk. Ibis, N. 22° 43′, W 72° 20′			73	22.8		wnw.			5	4		wnw	0	0	sm'h	nw.	fine.
Schr Jennie N. Huddell, Fort Monroe, Va. †	30.13	765.3	55	12.8		ne.			5	2		ne.	0	0			clear.
Bg. John Wesley, Sagua la Grande, Cuba, W. I*†.....	30.10	764.5				e.			3	1		e.	0	0			clear.
Schr. Jas. Slater, N. 19° 50′, W. 68° 30′			79	26.1		ne			4	10		ene.	0	0	mod.	nne.	
Bg. John Welsh, Jr., N. 29° 33′, W. 70° 20′						n.			5	0					r'gh	n.	clear.
Schr. John Bird, N. 38° 55′, W. 74° 30′						nnw.			5			n.	0	0	h'vy	ne.	
Schr. Jenny Greenbank, N. 32° 50′, W. 74° 15*.....	30.03	762.7	63	17.2		ne.			3	smk			½ h'r	½ h'r	mod.	ne.	fair.
Schr. Jenny R. Morse, N. 32° 35′, W. 77° 00′ †.....	30.06	763.5				nnw.			5	0		ene.	0	0			fine.
Bg. L. F. Munson, N. 20° 22′, W. 72° 41′*†.....	30.11	764.8	76	24.4		ene.			3	1		ene.	0	0	sm'h		clear.
Bkt. Levanter, Barbadoes, W.I	30.00	762.0	82	27.8		e.			2	2		e.	0	0			clear.
Bkt. Levi S. Andrews, N. 35° 18′, W. 51° 15′*†.....	29.90	759.4	66.0	18.9		ssw.				8		s.	3 h'r	3 h'r	h'vy	sse	cloudy.
Schr. Norema, Ponce, Porto Rico, W.I†	30.12	765.0				ene.			1	3		ene.	0	0	sm'h		
Bk. Rosina, N. 29° 45′, W. 38° 56′	30.29	769.4	72	22.2		e.			6	3		e.	0	0	mod.	e.	clear.
S. Salisbury, N. 42° 08′, E. 15° 09′	29.74	755.4	64.0	17.8	79	se.			5	9 km		var.	0	0	mod.	se.	cloudy.
Bk. Saga, N. 50° 17′, W. 1° 55′			50.2	10.1					3	3			0	0	sm'h		fair.
Bk. Sunbeam, N. 20° 49′, W. 35° 15′†	30.12	765.0	77	25.0	77	ene.			6	7		ene.	0	0	mod.	nw.	cloudy.
Bgt. Sunlight, N. 25° 06′, W. 56° 32′†	29.98	761.5				s.			1	0			0	0	mod.	ese.	clear.
S. St. David, N. 46° 05′, W. 19° 36′			55	12.8	81	wnw.			3	10		nw.	0	0	light	nw.	overcast.
Schr. Viola Reppard, Sagua la Grande, Cuba, W.I†...	30.16	766.1	74	23.3		e.			2	2		e.	0	0			clear.
Bk Western Chief, N. 50° 23′, E. 0° 42′†*	29.82	757.4				wnw.			4	1 k		wnw.	0	0	1	wnw.	hazy.
Schr. John Bracewell, N. 43° 58′ W. 69° 11′†	29.96	761.0	51	10.6		n.			5	0			0	0			clear.
District No. 2—South Atlantic.																	
U. S. S. Brooklyn, St. Helena Island, Africa	29.87	758.7	74	23.3	82	se.	4	1.8				se.	0	0	sm'h		cloudy.
H. M. S. Amethyst, Rio de la Plata	30.01	762.2	58.5	14.7	70	s.			3	6					1	s.	d. clouds.
H. M. S. Boadicea, Simons Bay, Cape Colony	29.90	759.4	67	19.4		calm			0	1	ese.						blue sky.
H. M. S. Sylvia, Cape of Good Hope, Cape Colony	29.86	758.4	75	23.9	77	calm			0	2	calm						blue sky.
Bk. Aureola, S. 5° 20′, W. 27° 00′†	29.96	761.0	82	27.8	83	se.			5	8		se.	6 h'r	6 h'r	mod.	sse.	cloudy.
Bkt. Rosebud, S. 4° 18′, W. 24° 42′*	29.74	755.4	88	31.1		sse.			1	5			4 h'r	4 h'r	sm'h		showery.
S. Ringleader, S. 36° 45′, W. 18° 50′†	30.17	766.3	63	17.2	72	wnw.			5	3		wnw.	0	0	mod.	nw.	
Bk. Horace Scudder, S. 2° 34′, W. 8° 33′ *†	30.10	764.5	81	27.2		sse.			6	2		s.	0	0		s.	clear.
District No. 3—North Pacific.																	
U. S. Naval Hospital, Yokohama, Japan			56	13.3	84	calm			0	0			0	0			clear.
U. S. S. Alert, Shanghai, China	30.02	762.5	66	18.9	94	sse.			4	0							clear.
U. S. S. Enterprise, Macao, China	29.90	759.4	73	22.8	90	e.			5	10		e.			mod.	se.	cloudy.
U. S. S. Essex, N. 24° 30′, E 150° 58′	30.10	764.5	79	26.1	82	s.			1	0					sm'h		clear.
U. S. S. Juniata, Fernando Island, Corea	30.06	763.5	54	12.2	93	s.			3	0			0	0			clear.
U. S. S. Monocacy, Canton, China	29.90	759.4	75	23.9	86	se.			4	10		se.	mod.	mod.			cloudy.
U. S. S. Ranger, Fonseca Bay, C. A	29.95	760.7	79	26.1	86	calm			0	10			0	0	sm'h		overcast.
U. S. S. Trenton, N. 20° 05′, E. 113° 44′	29.85	758 2	78	25.6		e.			2	2					sm'h		fair.
H. M. S. Audacious, Hong Kong, China	29.93	760.2	73	22.8	95	e.			1	3	e.						blue sky.
H. M. S. Cleopatra, N. 37° 39′, E. 126° 35′	30.09	764.3				s.			1								blue sky.
H. M. S. Flying Fish, N. 25° 20′, E. 119° 38′	30.00	762.0	69.2	20.7	90	nne.			1	8					1		misty.
H. P. M. S. Tamega, Macao, China	29.93	760.2	76.1	24.5	80	e.			6	9			0	0			overcast.
U. S. S. Palos, Shanghai, China	29.96	761.0	64	17.8	94	sse.			5	0							clear.
S. S. Oceanic, N. 42° 10′, E. 157° 33′	30.24	768.1	40	4.4	64	nw.			4	4		wnw.	0	0	3	w.	fair.
S. S. Alameda, Honolulu, Sandwich Islands†	30.02	762.5	67	19.4		nne.			3	0			0	0			
S. S. Orizaba, N. 34° 48′, W. 120° 47′†	30.04	763.0	52	11.1	86	nnw.			2	10		wnw.	0	0	light	wnw.	cloudy.
S. S. State of California, N. 42° 40′, W. 124° 40′†	30.13	765.3	50	10.0	65	nw.			4	0			0	0	large	nw.	clear.
S. S. City of Tokio, N. 35° 44′, E 150° 54 †	30.11	764.8	57	13.9	63	w.			6	2		w.	0	0	r'gh	w.	fair.
S. S. Colima, Panama, Panama †	29.95	760.7	76	24.4	91	nw.			2	6		calm	0	0			cloudy.
S. S. San Blas, N. 23° 06′, W. 107° 05′†	29.95	760.7	70	21.1	100	sw.			3	8		ssw.	0	0	mod.	sw.	cloudy.
S. S. San José, N. 13° 54′, W. 90° 48′ †	29.92	760.0	80	26.7	95	n.			1	3		nne.	0	0	small	sw.	fine.
S. S. Benalder, N. 31° 45′, E. 125° —′	30.12	765.0	62	16.7	72	sse.			3-4	4			0	0			hazy.
District No. 4—South Pacific.																	
U. S. S. Iroquois, Callao, Peru	30.02	762.5	69	20.6	85	calm			0	10					sm'h		cloudy.
U. S. S. Lackawanna, Callao, Peru	29.94	760.5	68	20.0	84	calm			0	10							cloudy.
U. S. S. Onward, Callao, Peru *†	30.08	764.0	67	19.4	95	calm			0	10					long	w.	cloudy.
U. S. S. Pinta, S. 22° 10′, W 75° 00′	30.00	763.5	66	18.9	74	se.			4	10		se.			long	sse.	cloudy.
U. S. S. Shenandoah, S. 46° 40′, W. 76° 30′*.....	30.25	768.3	47	8.3	77	nnw.			1	10		w.				s.	cloudy.
U. S. S. Wachusetts, S. 30° 29′, W. 71° 52′	30.04	763.0	57	13.9	94	sse.			4	2		calm			long		fair.
H. M. S. Nelson, Sydney, N. S. W	30.45	773.4	64	17.8	84	ese.			4	10							raining.
H. M. S. Sappho, Valparaiso, Chili	30.03	762.7	57	13.9	63	var.			1	2							misty.
H. M. S. Kingfisher, S. 29° 50′, W. 71° 20′	30.00	762.0	54	12.2		calm			0	5							misty.
S. S. Australia, S. 31° 17′, E. 179° 18′ *	30.00	762.0	65	18.3	68	se.			3	8		e.	6 h'r	6 h'r	long	se.	
S. S. Zealandia, S. 20° 33′, W. 173° 38′	30.05	763.3	72	22.2	71	var.			4	2		var.			h'vy	s.	fine.
S. Gatherer, S. 57° 10′, W. 71° 40′†	29.36	745.7	44	6.7	100	w.			0	9		w.	1 h'r	1 h'r	r'gh	w.	cloudy.
District No. 5—Indian Ocean.																	
U. S. S. Richmond, Batavia, Java	29.83	757.7	83	28.3	91	nne.			2	5		ne.	0	0			fair.
H. M. S. Eurydus, Massuah, Abyssinia	29.72	751.9	87.5	30.8	74	ne.			2	0							blue sky.
H. M. S. Myrmidon, Suakin, Egypt	29.75	755.6	87.5	30.8	74	e.			3	0							blue sky.
S. S. Brocadale, N. 16° 10′, E. 85° 20′			93	33.9		var.			1	1		sw.	0	0	sm'h		clear.
Bk. Childwall, off Kingston, N.S.W*.	30.21	767.3	62	16.7	83	ese.			3	6		w.	0	0			fine.
S. Frank N. Thayer, S. 42° 50′, E. 39° 00′ *	30.35	770.9	48	8.9	92	s.			1	0		s.	5 h'r	5 h'r	light	var.	
S. J. W. Gildemeister, S. 30° 27′, E 36° 22′	30.20	767.1	73.4	23	78	e.			4-5	6 k			0	0	4	ese.	d. clouds.
Bk. Nouva Margherita, S. 22° 53′, E. 62° 09′ *	29.90	759.4				s.			4			so.	1 h'r	1 h'r	mod.	se.	fair.
Bk. Xenia, S. 43° 51′, E. 31° 40′*†	30.30	769.6	49	9.4		ne.			4	fg		ne.	0	0	mod.	w.	foggy.
S. S. Lepanto, off Bombay, India	29.79	756 7	87	30.6		nw.			3	3		nw.	0	0			clear.

International Chart I. April 30, 1884. Isobars and Isotherms.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.

Signal Office Lith.

SUMMARY AND REVIEW

OF

INTERNATIONAL METEOROLOGICAL OBSERVATIONS,

APRIL, 1884.

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea.		Result of Simultaneous Observations for April, 1884.																		Average Cloudiness.	Total Precipitation	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity.	Wind.													
						Actual.		Reduced.					Directions.									Total Movement.				
				Feet.	Met'rs	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.	0–10	Inch.	Mill.
ALGERIAN.	° ′	° ′																								
Nemours	N. 35 06	W. 1 50	0.00 m.	13	4	.....	.....	29.83	759.0	66.2	19.0	63.4	1	2	7	.....	1	12	6	1	.....	.....	.....	4	2.32	58.9
Algiers	N. 36 47	E. 3 05	0.20 p.m.	72	22	.....	.....	29.84	757.9	64.8	18.2	61.2	2	.....	15	9	1	1	.....	2	.....	.....	.....	2	3.50	88.8
La Calle	N. 36 54	E. 8 26	0.42 p.m.	36	11	.....	.....	29.81	757.2	66.9	19.4	73.9	2	14	3	2	4	.....	2	3	.....	.....	.....	3	2.63	66.8
Tunis	N. 36 42	E. 10 13	0.49 p.m.	46	14	.....	.....	29.84	757.8	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Geriville	N. 33 45	E. 1 10	0.13 p.m.	4281	1305	.....	.....	29.93	760.3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Laghouat	N. 33 48	E. 2 53	0.20 p.m.	2454	748	.....	.....	29.93	760.1	71.6	22.0	.....	2	12	2	1	5	2	.....	6	.....	.....	.....	1	0.50	12.8
Biskra	N. 34 51	E. 5 41	0.31 p.m.	410	125	.....	.....	29.92	760.0	73.8	23.2	48.3	.....	8	11	.....	.....	.....	6	.....	5	.....	.....	1	0.06	1.5
AUSTRALIAN.																										
Adelaide	S. 34 57	E. 138 35	9.22 p.m.	140	42	.....	.....	30.20	767.1	60.1	15.6	66.5	3	3	2	3	5	7	5	.....	2	.....	.....	5	1.34	34.0
Hobart Town	S. 42 53	E. 147 20	9.57 p.m.	190	58	29.99*b*	761.7*b*	30.11*b*	764.8*b*	54.7*b*	12.6*b*	84.0*b*	4*a*	9	6	2	3	1	1	.....	2	.....	.....	5	0.29	7.4
Melbourne	S. 37 50	E. 144 58	9.47 p.m.	91	28	30.07	763.6	30.16	765.9	57.3	14.1	80.0	5	1	3	1	3	12	1	4	.....	.....	.....	5	0.79	20.0
AUSTRIAN.																										
Agram	N. 45 48	E. 15 53	1.12 p.m.	536	163	29.20	741.6	29.74	755.4	59.0	15.0	48.3	.....	2	1	4	1	8	6	8	.....	.....	.....	7	3.11	79.1
Cracow	N. 50 04	E. 20 00	1.28 p.m.	722	220	29.01	736.8	29.78	756.4	46.9	8.3	67.7	3	5	3	.....	.....	.....	10	9	.....	.....	.....	8	2.75	69.9
Eperies	N. 48 58	E. 21 15	1.33 p.m.	846	258	28 90	734.1	29.78	756.3	45.9	7.7	74.4	14	.....	.....	.....	3	.....	.....	.....	13	.....	.....	8	2.87	72.8
Gratz	N. 47 04	E. 15 28	1.10 p.m.	1171	357	28.53	724.6	29.77	756.1	54.0	12.2	61.2	.....	3	.....	6	5	6	9	1	.....	.....	.....	7	3.12	79.3
Hermannstadt	N. 45 47	E. 24 13	1.45 p.m.	1352	412	28.33	719.5	29.74	755 4	56.5	13.6	60.5	4	4	3	1	1	15	1	1	.....	.....	.....	8	1.33	33.7
Kremsmunster	N. 48 03	E. 14 08	1.04 p.m.	1260	384	28.41	721.5	29.74	755.3	49.5	9.7	73.8	2	3	3	.....	.....	1	7	12	2	.....	.....	7	1.98	50.3
Lemberg	N. 49 50	E. 24 00	1.44 p.m.	978	298	28.84	732.5	29.84	757.9	45.0	7.2	69.4	1	1	.....	1	2	10	9	6	.....	.....	.....	10	1.14	28.9
Pola	N. 44 52	E. 13 51	1.04 p.m.	105	32	29.62	752.4	29.73	755 2	60.4	15.8	72.2	.....	.....	7	4	5	11	2	1	.....	.....	.....	5	1.92	48.7
Szathmar	N. 47 46	E. 22 53	1.39 p.m.	430	131	29.25	742.9	29.71	754.6*a*	56.3	13.5	59.0	8	3	5	2	8	.....	3	1	.....	.....	.....	6	3.16	80.3
Szegedin‡	N. 46 15	E. 20 10	1.29 p.m.	279	86	29.46	748.2	29.74	755.3	57.0	13.9	61.7	5	.....	2	5	13	.....	1	.....	3	.....	.....	7	3.96	100.6
Trieste	N. 45 39	E. 13 46	1.04 p.m.	85	26	29.66	753.4	29.76	755.9	60.3	15.7	63.0	2	7	3	9	1	2	1	3	2	.....	.....	6	3.94	100.0
Vienna	N. 48 12	E. 16 22	1.14 p.m.	663	202	29.02	737.2	29.74	755.3	47.8	8.8	68.6	3	8	2	.....	.....	7	3	4	3	.....	.....	8	3.10	78.8
BELGIAN																										
Arlon	N. 49 40	E. 5 48	0.32 p.m.	?	?	.....	.....	.....	.....	48.7	9.3	76.5	1	1	.....	5	2	2	9	10	.....	.....	.....	3	1.46	37.1
Brussels‡	N. 50 51	E. 4 22	0.26 p.m.	187	57	29 60	751.9	29.81	757.1	51.4	10.8	56.5	3	1	3	4	5	3	2	8	.....	.....	.....	8	0.41	10.5
Furnes*	N. 51 04	E. 2 40	0.19 p.m.	20	6	29.79	756.7	29.81	757.2	.....	.....	.....	2	.....	1	2	3	4	1	14	.....	.....	.....	6	1.32	33.5
Maeseyck	N. 51 06	E. 5 48	0.32 p.m.	115	35	29.70	754.4	29.84	757.8	54.1	12.3	64.7	9	2	2	4	2	1	5	5	.....	.....	.....	7	0.74	18.7
BRITISH.																										
Aberdeen	N. 57 10	W. 2 06	0.00 m.	89	27	29.80	756.9	29.90	759.4	44.8	7.1	75.1	4	1	1	.....	2	12	5	5	.....	.....	.....	6	1.37	34.8
Bidston	N. 53 24	W. 3 04	11.56 a.m.	197	60	.....	.....	29.84	757.9	49.1	9.5	61.8	3	5	3	1	.....	3	9	6	.....	.....	.....	6	.....	.....
Bolton	N. 53 35	W. 2 28	11.58 a.m.	500	152	29.30	744.2	29.83	757 7	47.5	8.6	66.9	6	1	.....	2	1	5	8	7	.....	.....	.....	8	.....	.....
Bradford	N. 53 48	W. 1 47	0.01 p.m.	366	111	29.45	748.0	29.84	757 9	47.1	8.4	70.1	2	1	.....	2	2	5	3	6	11	.....	.....	8	2.06	52.3
Bridgetown	N. 13 04	W. 59 37	8.10 a.m.	28	9	29.98	761.5	30.01	762.2	81.7	27.6	71.6	.....	.....	.....	.....	.....	.....	.....	10	20	.....	.....	3	.....	.....
Cardington	N. 52 08	W. 0 27	0.06 p.m.	109	33	.....	.....	.....	.....	46.7	8.2	64.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	.....	.....
Chatham	N. 51 25	E. 0 33	0.10 p.m.	160	49	29.64	752.8	29.82	757.4	49.7	9.8	70.8	.....	.....	.....	2	1	.....	2	5	5	.....	.....	7	.....	.....
Falmouth	N. 50 09	W. 5 04	11.48 a.m.	211	64	29.57	751.1	29.81	757.2	49.1	9.5	66.9	1	.....	.....	.....	4	5	...	8	9	3	.....	8	.....	.....
Fort Napier	S. 30 00	E. 31 00	2.12 p.m.	2205	672	27.05	702.3	29.96	761.0	73.0	22.8	62.0	2	1	.....	3	...	11	5	6	.....	.....	.....	6	.....	.....
Freetown	N. 8 30	W. 13 14	11.15 a.m.	224	68	29.61	752.1	29.84	757.9	84.6	29.2	75.6*p*	2	1	.....	2	2	2	1	21	.....	.....	.....	6	.....	.....
Galway	N. 53 15	W. 9 03	11.32 a.m.	32	10	29.73	755.1	29.77	756.1	50.3	10.2	70.9	3	1	2	2	2	2	3	.....	.....	.....	.....	5	.....	.....
Gibraltar	N. 36 09	W. 5 21	11.47 a.m.	50	15	29.79	756.7	29.89	759.2	61.8	16.6	91.0	3	2	2	2	2	2	3	.....	.....	.....	.....	3	1.31	33.3
Greenwich	N. 51 29	0 00	0.08 p.m.	159	48	29.05	753.1	29.82	757 4	51.1	10.6	67.4	.....	14	12	3	.....	.....	1	.....	.....	.....	.....	7	.....	.....
Guernsey	N. 49 27	W. 2 41	11.58 a.m.	275	84	29.51	749.5	29.81	757.2	49.1	9.5	77.7	7	1	.....	1	3	5	4	8	1	.....	.....	8	.....	.....
Kew	N. 51 28	W. 0 19	0.07 p.m.	34	10	29.79	756.7	29.83	757.7	49.6	9.8	58.8	3	.....	5	1	3	2	6	10	.....	.....	.....	7	.....	.....
Leicester	N. 52 39	W. 1 08	0.04 p.m.	245	75	29.57	751.1	29.82	757.4	49.1	9.5	67.6	8	1	1	3	5	2	2	8	.....	.....	.....	7	.....	.....
Malta	N. 36 00	E. 14 30	1.06 p.m.	70	21	29.71	754.6	29.78	756.4	64.7	18.2	68.2	4	1	.....	4	3	1	1	15	1	.....	.....	8	.....	.....
Nassau	N. 25 04	W. 77 22	6.58 a.m.	44	13	30.01	762.2	30.06	763.5	74.3	23.5	67.3	.....	10	3	8	1	5	1	2	.....	.....	.....	5	0.45	11.4
Oxford	N. 51 46	W. 1 17	0.03 p.m.	210	64	29.60	751.8	29.82	757.4	49.5	9.7	66 0	3	4	1	4	5	4	2	7	.....	.....	.....	4	.....	.....
Plymouth	N. 50 22	W. 4 10	11.51 a.m.	69	21	29 73	755.1	29.80	756.9	50.6	10.3	67.1	7	.....	1	2	5	3	.....	12	.....	.....	.....	6	.....	.....
Sandwick Manse	N. 59 05	W. 3 20	11.54 a.m.	94	29	29.79	756.7	29.89	759.2	46.0	7.8	77.0	.....	1	.....	3	6	3	3	11	3	.....	.....	7	.....	.....
Scutari Cemet'y	N. 41 00	E. 29 03	2.04 p.m.	60	18	29.73	755.1	29.80	756.9	60.4	15.8	61.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	.....	.....
Sheffield	N. 53 23	W. 1 28	0.02 p.m.	260	79	29.57	751.1	29.86	758 4	49.8	9.9	69.7	2	1	.....	12	4	1	.....	8	1	.....	.....	6	.....	.....
Silloth Rectory	N. 54 52	W. 3 22	11.54 a.m.	28	9	29.82	757.4	29.85	758.2	50.4	10.2	80.0	3	.....	4	2	2	4	10	5	.....	.....	.....	6	.....	.....
Stonyhurst	N. 53 51	W. 2 28	11.58 a.m.	301	110	.....	.....	29.86	758.4	48.2	9.0	63.7	3	.....	4	2	2	4	10	5	.....	.....	.....	7	1.26	32.0
Strathfield	N. 51 17	W. 0 53	0.04 p.m.	197	60	.....	.....	.....	.....	50.9	10.5	69.2	6	1	2	1	3	3	12	.....	.....	.....	.....	8	1.01	25.6
Valencia	N. 51 55	W. 10 18	11.27 a.m	23	7	29.77	756.1	29.80	756.9	51.0	10.6	65.2	3	3	.....	5	5	1	8	5	.....	.....	.....	7	.....	.....
Sub-series.													6	3	2	1	2	10	3	3	.....	.....	.....	7	.....	.....
Gozo	N. 36 01	E. 14 16	1.05 p.m.	364	111	29.48	748.8	29.86	758.4	64.8	18.2	64.5	1	9	4	5	3	5	3	.....	.....	5583	8985	4	0.24	6.1
CANADIAN.																										
Bathurst	N. 47 39	W. 65 43	7.45 a.m.	35	11	.....	.....	29.86	758.4	36.0	2.2	.....	5	...	1	...	1	...	2	20	.....	.....	.....	8	3.42	86.9
Charlottetown	N. 46 14	W. 63 10	7.55 a.m.	38	12	29.75	755.6	29.80	756.9	35.4	1.9	86.5	10	1	1	1	1	3	7	5	1	6667	10729	9	4.81	122.2
Chatham	N. 47 03	W. 65 29	7.45 a.m.	56	17	29.80	756.9	29.86	758.4	31.4	1.3	88.7	3	1	1	1	3	.....	2	3	10	1	3794	6106	7	4.93	125.2
Cornwall	N. 45 01	W. 74 43	7.09 a.m.	175	53	.....	.....	29.86	758 4	36.1	2.3	80.6	7	4	5	1	1	3	8	1	.....	.....	.....	7	1.22	31.0
Dalhousie	N. 48 04	W. 66 22	7.32 a.m.	45	14	.....	.....	29.86	758.4	34.9	1.6	.....	.....	.....	.....	8	1	.....	1	8	.....	11	.....	7	4.28	108.7
Father Point	N. 48 31	W. 68 28	7.34 a.m.	20	6	29.84	757.9	29.86	758.4	33.4	0.8	89.0	2	2	5	1	2	.....	.....	.....	15	3	.....	6	2.51	63.8
Fort Garry	N. 49 51	W. 97 07	5.39 a.m.	754	230	29.26	743.2	30.10	764.5	20.2	—3.2	90.7	7	9	1	1	3	5	2	2	.....	7855	12641	6	2.50	63.5
Fredericton	N. 45 57	W. 66 38	7.41 a.m.	59	18	.....	.....	29.84	757 9	30.7	2.6	81.7	4	6	3	1	.....	1	4	11	.....	.....	.....	7	4.00	101.6
Grand Manan	N. 44 46	W. 66 45	7.41 a.m.	49	15	29.72	754.9	29.79	756.7	37.8	3.2	84.9	10	5	1	.....	1	3	6	4	.....	7910	12734	4	5.02	127.5
Granton	N. 43 12	W. 81 21	6.43 a.m.	1015	309	.....	.....	29.95	760.7	35.1	1.7	90.5	4	6	1	...	2	.....	5	2	10	.....	.....	6	1.51	38.4
Halifax	N. 44 39	W. 63 36	7.53 a.m.	122	37	29.64	752.8	29.78	756.4	37.9	3.3	87.1	7	4	5	.....	1	.....	9	4	.....	.....	.....	7	8.39	213.1
Hamilton	N. 43 16	W. 79 53	6.49 a.m.	372	113	.....	.....	29.94	760.5	38.4	3.6	86.6	1	6	1	8	.....	.....	.....	14	.....	.....	.....	7	1.15	29.2
Kingston	N. 44 14	W. 76 30	7.02 a.m.	307	94	29.56	750.8	29.90	759.4	37.1	2.8	81.2	9	8	1	2	3	.....	1	5	1	4923	7923	8	0.95	24.1
Little GlaceBay	N. 46 12	W. 59 58	8.08 a.m.	34	10	.....	.....	29.78	756.4	34.9	1.6	92.4	3	1	1	.....	5	7	3	9	1	.....	.....	8	0.40	10.2
London	N. 43 00	W. 81 15	6.43 a.m.	832	254	.....	.....	29.97	761.2	35.6	2.0	81.4	3	4	1	...	1	1	6	2	12	.....	.....	8	1.71	43.4
Medicine Hat	N. 50 01	W. 110 37	4.40 a.m.	2136	651	29.64	752.8	29.99	761.7	31.9	—0.1	93.4	3	3	2	3	9	1	5	4	.....	6065	9760	3	0.19	4.8
Minnedosa	N. 50 13	W. 99 48	5.29 a.m.	1796	545	28.09	713.5	30.10	764.5	20.0	—3.3	87.8	9	4	3	2	2	2	3	3	.....	.....	.....	5	1.25	31.7
Montreal	N. 45 31	W. 73 33	7.13 a.m.	187	57	29.66	753.4	29.87	758.7	36.5	2.5	78.2	7	4	7	2	.....	2	1	7	.....	.....	.....	7	2.33	59.2
Ottawa	N. 45 26	W. 75 41	7.05 a.m.	200	61	.....	.....	29.90	759.4	35.8	2.1	78.1	8	7	5	1	3	.....	1	5	.....	.....	.....	6	0.67	17.0
Parry Sound	N. 45 19	W. 80 01	6.48 a.m.	635	194	29.24	742.7	29.95	760.7	32.8	0.4	86.6	10	3	:	2	1	1	6	5	1	6061	9754	6	0.75	19.0
Peterboro	N. 44 17	W. 78 18	6.54 a.m.	675	206	.....	.....	29.87	758.7	37.5	3.1	74.9	4	6	2	2	1	.....	4	11	.....	.....	.....	6	0.45	11.4
Port Arthur	N. 48 27	W. 89 12	6.11 a.m.	642	196	29.35	745.5	30.07	763.8	34.4	1.3	76.3*a*	6	6	3	.....	3	.....	1	6	5	3894	6267	5	1.57	39.9
Port Dover	N. 42 47	W. 80 13	6.47 a.m.	635	194	29.22	742.2	29.94	760.5	30.9	2.7	88.1	5	7	1	3	1	.....	2	9	2	5543	8921	7	0.84	21.3
Port Stanley	N. 42 40	W. 81 13	6.43 a.m.	592	180	29.28	743.7	29.94	760.5	36.6	2.6	80.7	1	6	8	1	.....	.....	9	5	.....	.....	.....	6	1.22	31.0
Qu Appelle	N. 50 44	W. 103 42	5.13 a.m.	2115	646	27.74	704.6	30.07	763.8	32.6	0.3	.....	2	5	.....	.....	8	2	1	5	7	.....	.....	4	0.96	24.4
Quebec	N. 46 48	W. 71 12	7.23 a.m.	293	89	29.48	748.8	29.81	757.2	34.8	1.6	91.4	7	.....	2	2	3	.....	.....	10	.....	.....	.....	6	2.32	58.9
Rockliffe	N. 46 10	W. 77 48	6.57 a.m.	418	127	29.47	748.5	29.94	760.5	31.7	—0.2	81.0*a*	.....	16	4	.....	.....	.....	4	2	4	.....	.....	4	0.91	23.1
Saint Andrews	N. 45 04	W. 81 06	6.34 a.m.	47	14	29.72	754.9	29.77	756.1	37.5	3.1	89.2	6	5	2	.....	.....	2	5	9	1	.....	.....	5	4.38	111.2
Saint John, N.B	N. 45 17	W. 66 03	7.44 a.m.	130	40	.....	.....	29.80	756.9	37.3	2.9	88.2	8	5	.....	.....	.....	.....	3	7	7	.....	.....	8	5.51	140.1
Saint Pierre	N. 46 47	W. 56 08	8.24 a.m.	?	?	.....	.....	29.96?	760.9?	38.3	3.5	.....	2	3	.....	2	.....	.....	9	6	1	.....	.....	.....	.....	.....
Sangeen	N. 44 30	W. 81 21	6.42 a.m.	656	200	29.22	742.2	29.95	760.7	34.8	1.6	87.6*a*	7	2	1	3	1	3	3	1	9	7474	12028	6	1.76	44.7
Stratford	N. 43 23	W. 81 00	6.44 a.m.	1186	361	.....	.....	29.90	761.0	36.2	2.3	70.5	4	5	5	.....	2	2	8	3	1	.....	.....	6	1.80	45.7

‡ One day missing, except in rainfall.

* Three days missing, except in rainfall.

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea.		Result of Simultaneous Observations for April, 1884.																				Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity.	Wind.															
						Actual.		Reduced.					Directions.									Total Movement.						
				Feet.	Met'rs	Inch.	Mill.	Inch.	Mill.	Fah.	Cent		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.	0–10	Inch.	Mill.
CANADIAN.—Con.	° ′	° ′																										
Sydney*	N. 46 08	W. 60 10	8.07 a.m.	37	11	29.76	755.9	29.80	756.9	34.4	1.3	89.6	5	3	3	1	.....	3	1	9	5	4035	6493	8	4.59	116.6
Toronto*	N. 43 39	W. 79 23	6.59 a.m.	350	107	29.56	750.8	29.95	760.7	37.4	3.0	70.4	10	6	2	1	1	.....	1	9	.....	9758	15702	6	0.94	23.9
Woodstock	N. 43 08	W. 80 47	6.48 a.m.	980	299	.....	.....	29.96	761.0	36.4	2.4	76.8	7	5	5	1	3	.....	3	5	1	.....	.....	6	0.74	18.8
Yarmouth*	N. 43 50	W. 66 02	7.44 a.m.	61	19	29.65	753.1	29.72	754.9	39.5	4.2	86.5	7	7	.....	.....	.....	.....	12	4	.....	.....	.....	5	3.02	76.7
CAPE COLONY																												
Cape St. Francis	S. 34 10	E. 24 50	1.47 p.m.	25	7	30.02	762.5	30.05	763.3	66.3	19.1	92.3	.....	.....	.....	17	1	2	1	8	1	.....	.....	4	4.34	110.2
Cape Town	S. 34 02	E. 18 29	1.22 p.m.	?	?	29.95	760.7	.....	.....	70.3	21.3	48.5	3	14	.....	2	.....	4	2	2	3	.....	.....	3	1.02	41.1
Springbok *a*	S. 29 45	E. 17 43	1.19 p.m.	?	?	27.87	707.9	.....	.....	73.2	22.9	54.1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.50	12.7
CHILIAN.																												
Quiriquina	S. 36 37	W. 73 03	7.25 a.m.	167	57	.....	.....	.....	.....	56.5	13.6	87.0	5	4	7	.....	5	6	.....	3	.....	.....	.....	7	6.35	161.2
Valparaiso	S. 33 02	W. 71 39	7.22 a.m.	131	40	29.84	757.9	29.98	761.5	58.1	14.5	89.5	9	1	.....	3	8	4	3	2	.....	.....	.....	.....	5.20	132.0
CHINESE.																												
Hong Kong	N. 22 18	E. 114 04	7.45 p.m.	110	33	29.87	758.7	29.98	761.5	67.2	19.6	88.3	1	1	.....	1	2	.....	22	3	.....	.....	.....	8	5.26	133.6
Sub-Series.																												
Zi-Ka-Wei	N. 31 12	E. 121 26	8.14 p.m.	23	7	30.04	763.9	30.06	763.5	53.1	11.7	84.1	5	1	1	3	1	11	2	6	.....	.....	.....	5	2.54	64.6
DANISH.																												
Copenhagen	N. 55 41	E. 12 36	0.58 p.m.	43	13	29.90	759.5	29.95	760.7	43.7	6.5	67.8	3	.....	.....	2	5	9	6	5	.....	.....	.....	6	.....	.....
Fanöe	N. 55 27	E. 8 24	0.42 p.m.	20	6	29.88	759.0	29.90	759.5	46.4	8.0	65.4	.....	3	5	2	.....	5	6	9	.....	.....	.....	5	.....	.....
Godthaab	N. 64 11	W. 51 46	8.41 a.m.	36	11	29.85	758.1	29.89	759.2	26.6	−3.0	84.0*b*	9	3	2	.....	8	.....	3	3	2	.....	.....	8	.....	.....
Ivigtut	N. 61 12	W. 48 00	8.56 a.m.	16	5	29.85	758.1	29.87	758.6	32.2	0.1	.....	4	2	.....	2	2	1	.....	.....	19	.....	.....	8	.....	.....
Stykkisholm	N. 65 05	W. 22 46	10.37 a.m.	36	11	29.79	756.7	29.84	757.8	39.0	3.9	80.9	.....	.....	.....	2	1	5	7	7	5	3	.....	6	.....	.....
Thorshavn	N. 62 02	W. 6 44	11.41 a.m.	29	9	29.89	759.2	29.91	759.8	46.2	7.9	79.9	7	2	.....	2	2	10	1	6	.....	.....	.....	7	.....	.....
Upernavik	N. 72 47	W. 56 00	8.24 a.m.	39	12	29.96	760.9	30.00	762.1	5.5	−14.7	.....	2	.....	.....	3	1	.....	7	.....	17	.....	.....	6	.....	.....
Vestervig	N. 56 47	E. 8 20	0.41 p.m.	82	25	29.83	757.6	29.92	759.9	46.4	8.0	64.4	3	1	3	3	.....	4	7	9	.....	.....	.....	5	.....	.....
Egyptian.																												
Cairo	N. 30 03	E. 31 21	2.14 p.m.	?	?	29.77	756.2	.....	.....	85.1	29.5	.....	2	2	3	9	2	1	1	10	.....	.....	.....	2	0.08	2.0
FRENCH.																												
Agen	N. 44 12	E. 0 38	0.11 p.m.	604	184	29.31	744.4	29.79	756.6	57.9	14.4	67.0	1	.....	6	1	2	6	.....	.....	.....	.....	.....	.....	1.60	40.6
Alençon	N. 48 26	E. 0 05	0.09 p.m.	476	145	29.28	743.6	29.80	755.9	50.2	10.1	84.2	3	3	.....	.....	7	3	.....	14	.....	.....	.....	5	0.64	16.3
Arras	N. 50 18	E. 2 46	0.19 p.m.	223	68	29.56	750.7	29.81	757.2	52.5	11.4	55.8	3	7	2	1	2	4	2	9	.....	.....	.....	4	0.85	21.7
Avignon	N. 43 57	E. 4 48	0.27 p.m.	65	20	29.65	753.2	29.73	755.2	61.9	16.6	51.4	2	19	1	.....	.....	6	2	.....	.....	.....	.....	.....	2.19	55.7
Bar-sur-Seine	N. 48 07	E. 4 22	0.25 p.m.	518	158	29.21	742.0	29.77	756.1	53.6	12.0	55.4	2	1	2	2	4	12	7	1	.....	.....	.....	8	1.59	40.4
Beauvais	N. 49 26	E. 2 05	0.16 p.m.	246	75	29.53	750.1	29.80	756.8	52.9	11.6	52.1	2	1	2	2	3	5	13	.....	.....	.....	.....	7	0.93	23.7
Besançon	N. 47 14	E. 6 02	0.32 p.m.	846	258	28.82	732.1	29.70	754.4	55.8	13.2	61.5	8	.....	.....	2	1	6	2	.....	.....	.....	.....	.....	1.82	46.3
Bordeaux	N. 44 50	E. 0 32	0.06 p.m.	243	74	29.48	748.7	29.74	755.3	54.9	12.7	65.7	6	4	5	1	2	3	5	2	.....	.....	.....	7	3.13	79.6
Bourges	N. 47 10	E. 2 26	0.17 p.m.	510	156	29.21	742.0	29.76	755.9	54.7	12.6	61.8	6	3	5	3	1	.....	7	5	.....	.....	.....	6	0.96	24.5
Brest	N. 48 24	W. 4 30	11.50 a.m.	210	64	29.60	751.8	29.84	755.0	53.6	12.0	70.4	4	.....	1	8	4	.....	3	10	.....	.....	.....	6	8.12	206.2
Caen	N. 49 11	W. 0 21	0.07 p.m.	69	21	29.68	753.9	29.76	756.0	53.4	11.9	86.6	1	7	1	3	5	...	.....	13	.....	.....	.....	5	0.83	21.0
Châlons-sur-Marne	N. 48 57	E. 4 21	0.25 p.m.	292	89	29.42*g*	747.4*g*	29.74*g*	755.5*g*	53.4*b*	11.9*b*	75.0*b*	*b2*	4	2	3	2	6	6	5	.....	.....	.....	5	1.60	40.7
Charleville	N. 49 46	E. 4 49	0.27 p.m.	476	145	29.26	743.2	29.78	756.4	52.7	11.5	70.8	4	2	2	3	2	6	6	5	.....	.....	.....	6	1.34	34.1
Clermont-Fer'and	N. 45 46	E. 3 05	0.20 p.m.	1273	388	28.38	720.8	29.72	755.0	54.7	12.6	53.9	11	5	2	.....	3	4	2	3	.....	.....	.....	8	1.61	40.8
Cluny	N. 46 26	E. 4 39	0.27 p.m.	787	240	28.91	734.2	29.76	755.9	55.8	13.2	53.3	4	2	3	2	5	4	1	9	.....	.....	.....	6	1.34	33.9
Commercy	N. 48 46	E. 5 35	0.30 p.m.	797	243	28.97	735.7	29.79	756.7	50.5	10.3	61.5	6	4	3	1	2	1	6	7	.....	.....	.....	.....	1.18	29.9
Gap	N. 44 33	E. 6 05	0.32 p.m.	2424	739	27.19	690.6	29.68	753.9	55.8	13.2	50.7	7	1	2	4	2	.....	4	4	6	.....	.....	6	2.19	53.4
Gréasque	N. 43 25	E. 5 37	0.31 p.m.	1056	322	28.60	726.5	29.71	754.7	58.8	14.9	57.4	3	9	8	1	4	4	7	1	.....	.....	.....	5	3.51	89.2
Grenoble	N. 45 12	E. 5 43	0.31 p.m.	715	218	28.97	735.7	29.72	754.9	59.0	15.0	53.0	.....	14	8	1	5	.....	2	2	.....	.....	.....	.....	1.84	46.6
Guéret	N. 46 10	E. 1 52	0.16 p.m.	1486	453	28.18	715.8	29.75	755.6	50.7	10.4	63.9	2	2	5	5	2	2	1	10	1	.....	.....	.....	1.88	47.8
Lamballe	N. 48 28	W. 2 31	11.58 a.m.	252	77	29.51	749.5	29.78	756.5	50.9	10.5	67.9	6	1	4	2	3	2	3	9	.....	.....	.....	5	1.30	32.9
Lescar	N. 43 20	W. 0 26	0.06 p.m.	525	160	29.18	741.2	29.73	755.2	59.5	15.3	53.4	1	3	14	4	.....	3	2	3	.....	.....	.....	7	5.06	128.6
Lorient	N. 47 45	W. 3 21	11.55 a.m.	86	26	29.71	754.5	29.81	757.1	55.2	12.9	64.6	2	1	2	3	7	2	3	10	.....	.....	.....	7	1.11	28.2
Lyon	N. 45 41	E. 2 30	0.25 p.m.	981	299	28.69	728.8	29.74	755.4	54.7	12.6	53.1	6	8	.....	.....	7	5	1	3	.....	.....	.....	.....	0.98	24.9
Mans	N. 48 01	E. 0 12	0.09 p.m.	285	87	29.46	748.3	29.79	756.6	51.4	10.8	68.1	4	1	.....	5	2	.....	10	8	.....	.....	.....	6	2.19	55.6
Marseille	N. 43 18	E. 5 23	0.29 p.m.	246	75	29.44	747.8	29.71	754.6	61.2	16.2	57.8	.....	3	10	6	1	5	4	1	.....	.....	.....	.....	4.16	105.6
Montlouis	N. 42 30	E. 2 07	0.16 p.m.	5203	1586	24.53	623.0	29.37	746 0	41.7	5.4	63.1	5	2	4	5	.....	.....	10	4	.....	.....	.....	7	6.36	161.5
Montpellier	N. 43 37	E. 3 53	0.24 p.m.	118	36	29.59	751.5	29.71	754.6	60.3	15.7	79.6	4	2	6	1	10	4	1	2	.....	.....	.....	.....	4.91	124.7
Nancy	N. 48 42	E. 6 11	0.33 p.m.	725	221	28.98	736.0	29.76	756.0	51.8	11.0	60.3	*b2*	6	1	2	2	1	1	7	.....	.....	.....	.....	1.61	41.0
Nantes	N. 47 13	W. 1 33	0.02 p.m.	134	41	29.64	752.9	29.80	757.0	53.8	12.1	56.4	6	2	5	1	2	1	4	9	.....	.....	.....	7	1.49	37.8
Perpignan	N. 42 42	E. 2 53	0.19 p.m.	105	32	29.63	752.5	29.74	755.3	58.6	14.8	59.8	2	11	1	2	2	5	2	4	1	.....	.....	7	4.89	124.2
Pic du Midi (Sum-	N. 42 56	W. 0 08	0.08 p.m.	9380	2859	20.89	530.7	.....	.....	26.6	−3.0	.....	.....	3	.....	14	.....	.....	1	2	10	.....	.....	.....	5.82	147.8
Privas [mit.]	N. 44 45	E. 4 36	0.26 p.m.	997	304	28.68	728.5	29.73	755.1	57.6	14.2	47.9	13	.....	.....	1	13	1	1	.....	1	.....	.....	.....	1.89	47.9
Puy de Dôme	N. 45 46	E. 2 58	0.20 p.m.	4813	1467	24.86	631.4	.....	.....	34.7	1.5	88.6	5	2	3	3	4	4	3	6	.....	.....	.....	8	2.66	67.7
Rochefort	N. 45 56	W. 0 58	0.04 p.m.	29	9	29.74	755.3	29.76	756.0	57.4	14.1	58.6	9	2	.....	3	2	2	1	10	1	.....	.....	6	1.81	46.0
Roche-sur-Yon	N. 46 40	W. 1 26	0.02 p.m.	198	60	29.54	750.4	29.76	755.8	53.8	12.1	63.9	.....	.....	4	1	5	4	1	16	.....	.....	.....	.....	1.82	46.1
Rodez	N. 44 21	E. 2 34	0.18 p.m.	2050	625	27 61	701.3	29.75	755 6	52.9	11.6	65.4	10	3	1	1	3	2	7	1	2	.....	.....	7	3.26	82.7
Rouen	N. 49 26	E. 1 05	0.12 p.m.	39	12	29.76	755.8	29.80	757.0	53.6	12.0	64.2	4	5	3	.....	6	2	1	9	.....	.....	.....	4	1.78	45.2
Saint Maur	N. 48 48	E. 2 21	0.17 p.m.	162	49	29.62	752.4	29.79	756.6	53.1	11.7	54.5	7	4	2	1	5	2	.....	9	.....	.....	.....	.....	1.16	29.5
Toulouse	N. 43 37	E. 1 27	0.14 p.m.	636	194	29.05	738.0	29.78	756.3	57.9	14.4	63.4	2	7	6	2	.....	9	3	1	.....	.....	.....	7	3.72	94.5
Tours	N. 47 24	E. 0 41	0.11 p.m.	167	51	29.58	751.4	29.76	756.0	55.2	12.9	58.0	13	3	.....	4	2	3	2	3	.....	.....	.....	6	2.59	65.8
Versailles	N. 48 48	E. 2 07	0.16 p.m.	445	136	29.30	744.1	29.79	756.6	51.6	10.9	58.4	4	3	2	3	3	1	2	12	.....	.....	.....	.....	0.97	24.7
Sub-Series.																												
St. Martin du Hinx	N. 43 35	W. 1 16	0.03 p.m.	131	40	29.61	752.2	29.76	756.0	58.1	14.5	65.1	2	5	9	4	3	2	2	3	.....	.....	.....	7	5.63	143.0
GERMAN.																												
Ansbach	N. 49 18	E. 10 36	0.50 p.m.	1358	414	28 34	719.9	29.79	756.7	50.2	10.1	50.4	5	2	1	3	.....	5	1	12	1	.....	.....	6	1.19	30.2
Bamberg	N. 49 54	E. 10 54	0.51 p.m.	787	240	28.94	735.1	29.79	756.6	51.1	10.6	57.9	6	2	4	.....	.....	6	4	7	1	.....	.....	6	0.50	12.6
Berlin	N. 52 30	E. 13 19	1.02 p.m.	131	40	29.69	754.2	29.84	757.9	49.8	9.9	49.9	1	1	3	2	2	4	7	10	.....	.....	.....	7	1.63	41.5
Breslau	N. 51 07	E. 17 02	1.17 p.m.	482	147	29.34	745.1	29.80	758 5	46.6	8.1	63.6	3	6	3	.....	1	6	7	4	.....	.....	.....	7	1.57	40.0
Carlsruhe	N. 49 01	E. 8 25	0.42 p.m.	413	126	29.35	745.4	29.80	757.0	52.5	11.4	58.2	3	1	.....	4	1	1	7	12	1	.....	.....	7	1.67	42.5
Cassel	N. 51 19	E. 9 28	0.46 p.m.	669	204	29.10	739.1	29.81	757.2	50.2	10.1	52.3	6	2	1	2	3	6	5	5	.....	.....	.....	6	1.08	27.3
Frankfort on M	N. 50 08	E. 8 41	0.43 p.m.	338	103	29.43	747.4	29.79	756.6	54.1	12.3	50.3	11	.....	1	2	2	4	4	6	.....	.....	.....	7	1.09	27.7
Friedrichshafen	N. 47 39	E. 9 29	0.46 p.m.	1339	408	28.34	719.7	29.74	755.5	52.7	11.5	67.1	1	1	6	13	1	.....	1	7	.....	.....	.....	7	3.57	90.6
Hamburg	N. 53 33	E. 9 58	0.48 p.m.	85	26	29.80	756.8	29.88	759.0	48.0	8.9	64.1	5	1	2	3	1	5	7	6	.....	.....	.....	6	1.32	33.6
Kiel	N. 54 19	E. 10 04	0.48 p.m.	13	4	29.87	758.7	29.89	759 2	45.9	7.7	62.4	4	.....	1	1	1	1	10	11	1	.....	.....	6	1.16	29.5
Leipsic	N. 51 20	E. 12 24	0.58 p.m.	390	119	29.42	747.2	29.85	758.1	49.1	9.5	61.7	8	4	1	.....	2	2	7	6	.....	.....	.....	7	1.10	27.9
Magdeburg	N. 52 09	E. 11 37	0.54 p.m.	177	54	29.65	753.1	29.84	757.8	50.9	10.5	54.6	4	4	3	1	.....	6	7	5	.....	.....	.....	7	1.35	34.2
Memel	N. 55 43	E. 21 07	1.32 p.m.	39	12	29.97	761.1	30.01	762 2	43.9	6.6	67.6	3	6	1	1	3	.....	6	5	.....	.....	.....	7	1.28	32.6
Munich	N. 48 09	E. 11 34	0.54 p.m.	1732	528	27.95	710.0	29.78	756.4	49.8	9.9	58.4	10	7	2	.....	.....	.....	3	3	5	.....	.....	7	3.53	89.6
Neufahrwasser	N. 54 24	E. 18 40	1.25 p.m.	26	8	29.93	760.2	29.96	760.9	41.7	5.4	78.3	5	.....	.....	.....	1	.....	2	8	14	.....	.....	7	3.12	79.3
Neustadt	N. 49 21	E. 8 08	0.41 p.m.	479	146	29.23	742.4	29.75	755.7	53.1	11.7	59.0	3	.....	4	.....	3	1	5	13	3	.....	.....	7	1.52	38.5
Stuttgart	N. 48 47	E. 9 11	0.45 p.m.	833	254	28 82	732.0	29.71	754 6	52.2	11.2	57.7	13	2	2	.....	.....	.....	7	6	.....	.....	.....	7	1.73	44.0
Wustrow	N. 54 21	E. 12 24	0.58 p.m.	23	7	29 87	758.7	29.89	759.3	46.0	7.8	73.0	3	1	1	1	.....	4	4	16	.....	.....	.....	8	0.97	24.6
GREEK.																												
Athens	N. 37 58	E. 23 44	1.43 p.m	361	110	29.44	747.8	29.82	757.4	69.6	20.9	57.4	2	1	5	5	13	1	.....	3	.....	.....	.....	5	1.11	28.1
INDIAN.																												
Kurrachee	N. 24 47	E. 67 04	4.36 p.m.	49	15	29.75	755.7	29.80	757 0	82.9	28.3	70	.....	1	12	17	.....	.....	.....	.....	.....	.....	.....	3	0	0
Deesa	N. 24 16	E. 72 14	4.57 p.m.	466	142	29.29	743.8	29.74	755.5	97.2	36.2	16	... *a*	5	13	9	1	.....	.....	1	.....	.....	.....	1	0	0
Bombay	N. 18 54	E. 72 49	5.00 p.m.	37	11	29.78	756.3	29.82	757 3	84.1	28.9	68	1	23	0	.....	.....	.....	.....	.....	.....	.....	.....	2	0	0
Poona	N. 18 28	E. 74 10	5.05 p.m.	1849	564	27.95	710.0	29.76	755.8	93.1	33.9	18	1	16	8	2	.....	2	.....	1	.....	.....	.....	3	0.24	6.1
Trichinopoly	N. 10 50	E. 78 44	5.23 p.m.	275	84	29.55	750.5	29.82	757.4	97.5	36.4	33	2	2	.....	1	.....	6	9	10	.....	.....	.....	4	0	0
Bellary	N. 15 09	E. 76 57	5.16 p.m.	1455	444	28.29	718.5	29.70	754.4	98.0	36.7	20	.....	1	7	2	.....	5	12	3	.....	.....	.....	4	0	0
Belgaum	N. 15 52	E. 74 42	5.07 p.m.	2550	777	27.28	693.0	29.77	756.1	85.7	29.8	53	.....	.....	13	16	.....	1	.....	.....	.....	.....	.....	4	1.50	38.1
Lahore	N. 31 34	E. 74 20	5.05 p.m.	732	223	28,98	730.1	29.71	754 6	89.5	31.9	25	3	6	11	.....	.....	.....	1	1	8	.....	.....	4	0.58	14.7
Roorkee	N. 29 52	E. 77 56	5.20 p.m.	887	270	28.79	731.3	29.66	753.5	92.2	33.4	15	1	.....	16	.....	.....	.....	1	12	.....	.....	.....	3	0	0
Agra	N. 27 10	E. 78 05	5.20 p.m.	555	169	29.16	740.6	29.70	754.4	97.4	36.3	18	.....	3	24	3	...	.....	.....	.....	.....	.....	.....	3	0	0
Nagpur	N. 21 09	E. 79 11	5.24 p.m.	1025	312	28.68	728.6	29.69	754.1	99.1	37.3	14	1	3	11	2	.....	1	1	.....	11	.....	.....	4	0.01	0.3

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea.		Result of Simultaneous Observations for April, 1884.																				Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity	Wind.															
						Actual.		Reduced.					Directions.									Total Movement.						
				Feet.	Met'rs	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.		Inch.	Mill.
																								0–10		
INDIAN—Cont'd.	° ′	° ′																										
Jubbulpore	N. 23 09	E. 79 59	5.28 p.m.	1341	409	28.39	721.2	29.70	754.4	96.5	35.8	14	4	7	11	5	.....	.....	...	.....	3	.....	.....	3	0.01	0 3
Lucknow	N. 26 50	E. 81 00	5.32 p.m.	369	113	29.33	745.0	29.70	754.3	96.3	35.7	18	2	9	10	2	....	2	2	....	3	.....	.....	1	0	0
Allahabad	N. 25 26	E. 81 52	5.35 p.m.	307	94	29.38	746.2	29.68	753.8	97.6	36.4	16	.....	15	5	.....	.....	.....	.....	.....	1	9	.....	1	0	0
Patna	N. 25 37	E. 85 08	5.49 p.m.	183	56	29.50	749.2	29.68	753.7	95.4	35.2	22	2	10	10	1	.....	.....	2	5	.....	.....	.....	1	0	0
Hazaribagh	N. 24 00	E. 85 24	5.50 p.m.	2007	612	27.72	704.1	29.68	753.9	89.4	31.9	15	6	16	3	2	.....	1	...	1	1	.....	.....	3	0	0
Cuttack	N. 20 29	E. 85 54	5.52 p.m.	80	24	29.66	753.2	29.74	755.3	88.4	31.3	52	...	8	14	5	.....	1	.....	2	.....	.....	.....	4	1.15	29.2
Calcutta	N. 22 33	E. 88 21	6.01 p.m.	21	6	29.70	754.4	29.72	754.9	87.5	30.8	58	.....	2	1	8	15	3	1	.....	.....	.....	.....	4	1.38	35.0
Chittagong	N. 22 21	E. 91 50	6.15 p.m.	87	26	29.72	754.8	29.81	757.1	81.2	27.3	79	.....	.....	1	15	10	2	1	.....	1	.....	.....	3	0	0
Sibsagar	N. 26 59	E. 94 40	6.27 p.m.	333	102	29.46	748.3	29.80	756.9	74.1	23.4	80	.....	.....	.....	.....	7	.....	3	.....	20	..	.....	5	4.29	109.0
Jeypore	N. 26 55	E. 75 50	5.05 p.m.	1431	436	28.31	719.0	29.71	754.6	91.5	34.7	13	1	14	12	2	.....	.....	.....	1	.....	.....	.....	2	0	0
Zanzibar	S. 6 10	E. 39 11	2.45 p.m.	23	7	29.86	758.4	.....	.....	82.6	28.1	74.6	.....	1	.....	11	4	5	4	4	1	.....	.....	7	0	0
ITALIAN.																												
Udine	N. 46 04	E. 13 13	1.01 p.m.	381	116	29.34	745.2	29.75	755.5	59.5	15.3	59	.....	2	.....	9	3	3	2	6	5	.....	.....	7	8.15	207.0
Milan	N. 45 28	E. 9 11	0.45 p.m.	482	147	29.22	742.2	29.73	755.2	60.1	15.6	55	.....	3	7	6	2	6	2	4	.....	.....	.....	7	2.81	71.4
Padua	N. 45 24	E. 11 53	0.56 p.m.	102	31	29.61	752.1	29.72	754.8	59.9	15.5	61	.....	6	1	5	4	3	4	5	2	.....	.....	7	3.89	98.7
Moncalieri	N. 45 00	E. 7 41	0.39 p.m.	846	258	28.82	732.1	29.72	754.8	57.4	14.1	63	2	9	2	2	4	4	7	.....	.....	.....	.....	7	7.27	184.6
Genoa	N. 44 24	E. 8 55	0.44 p.m.	157?	48?	29.54	750 2	29.73	755.1	59.0	15.0	63	4	2	.....	5	5	12	1	1	.....	.....	.....	7	4.94	125.5
Pesaro	N. 43 55	E. 12 53	1.00 p.m.	46	14	29.69	754.2	29.74	755.4	58.5	14.7	72	7	1	2	2	2	2	8	6	.....	.....	.....	7	2.93	74.4
Florence	N. 43 46	E. 11 15	0.53 p.m.	240	73	29.47	748.5	29.72	754.9	62.2	16.8	55	2	.....	5	11	2	2	1	7	.....	.....	.....	8	3.74	95.0
Leghorn	N. 43 33	E. 10 18	0.49 p.m.	79	24	29.60	751.8	29.68	753.9	60.6	15.9	67	2	3	9	5	5	1	2	3	.....	.....	.....	7	4.38	111.3
Rome	N. 41 54	E. 12 29	0.58 p.m.	164	50	29.58	751.4	29.76	755.8	64.4	18.0	53	2	.....	7	14	5	1	.....	1	.....	.....	.....	8	4.33	109.9
Lecce	N. 40 22	E. 18 12	1.21 p.m.	230	72	29.52	749.7	29.76	756.0	64.6	18.1	58	6	2	2	9	6	2	2	1	.....	.....	.....	5	1.24	31.5
Cosenza	N. 39 19	E. 16 17	1.13 p.m.	840	256	28 92	731.6	29.80	757.0	61.5	16.1	77	.....	2	14	4	5	5	.....	.....	.....	.....	.....	7	4.83	122.6
Palermo	N. 38 07	E. 13 21	1.02 p.m.	236	72	29.57	751.1	29.82	757 4	65.7	18.7	52	...	2	9	5	.....	.....	.....	14	.....	.....	.....	6	2.69	68.3
Syracuse	N. 37 03	E. 15 15	1.09 p.m.	72	22	29.73	755.1	29.77	756.2	69.4	20.8	65	3	1	7	2	5	2	4	6	.....	.....	.....	8	0.06	1.4
Sub-Series.																												
Naples *b.*	N. 40 52	E. 14 15	1.05 p.m.	489	149	29.41	747.1	.....	.....	60.6	15.9	69.1	1	1	2	18	1	4	1	.....	.....	.....	.....	7	3.32	84.3
Stelvio	N. 46 32	E. 10 25	0.50 p.m.	8343	2543	21.91	556.4	.....	.....	33.1	0.6	73.1	.....	1	10	9	1	.....	1	8	.....	.....	.....	8	3.38	85.8
Valdobbia	N. 45 17	E. 7 51	0.40 p.m.	8360	2548	21.89	555.1	.....	.....	32.5	0.3	72.0	....	5	7	9	.....	1	7	1	.....	.....	.....	8	7.60	193.0
JAPANESE.																												
Akita	N. 39 42	E.140 07	9.28 p.m.	32	10	29.98	761.5	30.01	762.4	44.1	6.7	83	4	4	4	2	1	1	2	.....	12	.....^	.....	7	4.76	121.0
Awomori	N. 40 51	E.140 45	9.31 p.m.	32	10	29.95	760.7	29.99	761.7	39.7	4.3	82.1	1	5	5	4	3	3	3	1	5	5001	8047	5	1.98	50.1
Hakodate	N. 41 47	E.140 44	9.31 p.m.	10	3	29.98	761.5	29.99	761.8	39.3	4.1	80.2	2	2	9	3	1	.....	4	.....	9	7031	11315	5	2.03	51.8
Hanunmatsu	N. 34 43	E.137 43	9.19 p.m.	92	28	29.94	760.3	30.04	762.8	52.6	11.4	79	1	.....	12	1	.....	.....	3	.....	13	.....	.....	4	5.52	140.1
Hiroshima	N. 34 23	E.132 27	8.58 p.m.	14	4	30.05	763.3	30.06	763.6	52.9	11.6	81.4	11	5	3	3	4	1	1	2	.....	3637	5852	5	7.16	189.1
Kagoshima	N. 31 35	E.130 33	8.50 p.m.	14	4	30.06	763.6	30.07	763.9	56.9	13.9	79.9	6	5	3	1	1	.....	5	5	4	.....	.....	6	6.76	171.4
Kanazawa	N. 36 33	E.136 40	9.14 p.m.	95	29	29.95	760.8	30.06	763 4	48.6	9.2	80.7	.....	.....	1	4	6	1	10	6	.....	4212	6777	6	5.82	147.8
Kioto[a]	N. 35 01	E.135 46	9.11 p.m.	162	49	29.89	759.2	30.06	763.6	51.0	10.6	79.6	17	4	2	.....	1	...	1	3	.....	2839	4569	6	5.32	134.8
Kochi	N. 33 33	E.133 34	9.02 p.m.	20	6	30.04	763.0	30.06	763.5	57.5	14.2	76.8	4	1	6	4	.....	2	7	3	.....	5853	9418	6	6.14	156.0
Misaka	N. 31 56	E.131 26	8.54 p.m.	26	8	30.05	763.1	30.07	763.8	57.3	14.1	81.0	4	.....	11	...	5	2	7	1	.....	.....	.....	5	6.57	167.0
Miyako	N. 39 38	E.141 59	9.36 p.m.	98	30	29.90	759.5	30.01	762.3	41.3	5.1	82	2	.....	14	5	2	1	2	4	.....	2950	4750	5	3.94	100.1
Nagasaki	N. 32 44	E.129 52	8.47 p.m.	189	58	29.86	758.4	30.06	763.6	55.1	12.8	78.4	5	2	5	2	1	2	3	2	8	3799	6113	5	5.13	130.3
Nemuro	N. 43 20	E.145 35	9.50 p.m.	43	13	29.92	759.9	29.97	761.2	33.0	0.5	81.8	.....	6	1	4	3	4	1	.....	11	5735	9229	6	2.13	54.1
Niigata	N. 37 55	E.139 03	9.24 p.m.	32	10	30.00	762.0	30. 3	762.9	47.8	8.8	82.5	2	2	4	8	1	8	2	1	2	4697	7559	5	3.86	98.3
Nobiru	N. 38 23	E.141 11	9.32 p.m.	15	5	29.99	761.8	30.01	762.2	45.1	7.3	85 6	8	2	1	3	10	3	2	1	.....	6793	10931	5	4.74	120.3
Numadza	N. 35 06	E.138 51	9.23 p.m.	32	10	29 98	761.5	30.02	762.5	53.5	11.9	81.2	2	2	7	5	3	.....	8	2	1	.....	.....	8	6.81	172.9
Osaka	N. 34 42	E.135 30	9.10 p.m.	13	4	30.04	763.1	30.06	763.5	52 1	11.2	81.4	5	2	6	1	1	2	7	6	.....	6517	10487	6	3.31	83.9
Saga	N. 33 12	E.130 18	8.49 p.m.	23	7	30.02	762.7	30.05	763.3	54.6	12.5	82.2	3	6	5	1	4	1	2	6	2	1033	1662	4	4.53	115.1
Sakai	N. 35 01	E.133 13	9.01 p.m.	10	3	30.04	763.0	30.05	763.2	50.5	10.3	81.0	6	2	7	2	3	.....	4	4	2	.....	.....	6	3.35	85.1
Sapporo	N. 43 04	E.141 23	9.33 p.m.	60	18	29.89	759.1	29.96	760.8	37.5	3.1	77.1	2	6	1	1	9	8	.....	.....	3	7175	11550	6	0.94	23.7
Shimonoseki	N. 33 58	E.130 56	8.52 p.m.	134	41	29.91	759 8	30.05	763 5	53.5	11.9	78.1	7	2	5	3	.....	.....	11	2	.....	.....	.....	6	4.83	122.6
Tokei	N. 35 41	E 139 46	9.27 p.m.	69	21	29.95	760.7	30.02	762.8	52.2	11.2	82.2	05	1	1	2	10	2	7	1	.....	6 23	9093	6	5.82	147.9
Wakayama	N. 34 14	E.135 09	9.09 p.m.	48	15	30.00	761.9	30.05	763.2	54.1	12.2	75.4	5	2	.....	.....	4	2	1	4	12	2691*b*	4331*b*	5	2.58	65.7
MAURITIUS.																												
Mauritius	S. 20 06	E. 57 33	3.58 p.m.	181	55	29.76	755.9	29.94	760 5	78.2	25.7	72.5	1	.....	.....	.....	1	.....	9	17	2	.....	.....	7	6.02	152.9
MEXICAN.																												
Leon	N. 21 07	W.101 35	5.22 a.m.	5901	1799	24.30	617.3	30.00	761.9	55.8	13.2	64.0	7	17	.....	.....	.....	1	.....	1	4	.....	.....	4	0	0
Mazatlan	N. 23 11	W.106 17	5.03 a.m.	249	76	29.68	753.9	29.94	760.5	65 8	18.8	82.8	2	13	3	.....	1	.....	5	6	.....	.....	.....	3	inap.	inap.
NETHERLANDS.																												
Flushing	N. 51 24	E. 3 35	0.22 p.m.	0	0	29.83	757.6	29.81	757.6	50.7	10.4	.....	7	4	3	.....	4	3	4	5	.....	.....	.....	.....	0.84	21.3
Groningen	N. 53 12	E. 6 34	0.34 p.m.	?	?	29.79	756.6	29.84	758.0	49.6	9.8	.....	4	1	1	.....	8	4	3	9	...	.....	.....	.....	1.13	28.6
Helder	N. 52 58	E. 4 45	0.27 p.m.	0	0	29.84	758.0	29.84	758.0	47.3	8.5	.....	3	2	3	2	1	.....	5	14	.....	.....	.....	.....	1.09	27.6
Hellevoetsluis	N. 51 49	E. 4 08	0.25 p.m.	0	0	29.83	757.6	29.83	757.6	51.6	10.9	57.3	6	1	2	1	3	2	9	4	2	.....	.....	.....	0.43	11.0
Utrecht	N. 52 05	E. 5 07	0.29 p.m.	43	13	29.80	756.9	29.85	758.1	51.6	10.9	56.4	6	2	1	2	1	8	1	9	.....	.....	.....	6	0.73	18.6
Sub-Series.																												
Batavia	S. 6 11	E.106 48	7.15 p.m.	?	?	29.86	758.5	.....	.....	79.5	26.4	83.9	7	3	9	2	1	.....	.....	8	.....	.....	.....	7	0.92	23.4
NORWEGIAN.																												
Bergen	N. 60 24	E. 5 20	0.29 p.m.	56	17	29.85	758.2	29.91	759.8	48.2	9.0	52	3	5	5	1	7	4	.....	5	.....	.....	.....	6	0.94	24.0
Brono	N. 65 28	E. 12 14	0.57 p.m.	34	10	29.95	760.8	29.99	761.8	42.6	5.9	57	7	1	3	3	3	3	7	.....	3	.....	.....	5	0.68	17.2
Christiania	N. 59 55	E. 10 45	0.51 p.m.	134	41	29.85	758.2	30.00	762.0	46.0	7.8	52.0	2	.....	1	4	8	1	7	6	1	.....	.....	6	0.56	14.3
Gjaesvær	N. 71 07	E. 25 22	1.49 p.m.	23	7	29.98	761.4	30.00	762.0	29.8	—1.2	.....	4	4	3	3	2	.....	5	8	1	.....	.....	8	1.15	29.2
PORTUGUESE.																												
Angra	N. 38 39	W. 27 14	10 19 a.m.	144	44	.....	.....	.....	.....	58.6	14.8	78.7	6	6	3	1	2	2	4	6	.....	.....	.....	.....	6.27	159.3
Funchal	N. 32 38	W. 16 55	11.00 a.m.	82	25	29.92	759.9	30.00	762.1	63.0	17.2	63 8	.....	1	6	15	.....	2	1	3	2	.....	.....	6	5.08	129.1
Lisbon	N. 38 42	W. 9 08	11.31 a.m.	312	95	29.48	748.7	29.81	757.2	56.1	13.4	71.3	.....	7	1	10	8	2	2	.....	.....	.....	.....	8	8.50	215.8
Ponta Delgada	N. 37 45	W. 25 41	10.25 a.m.	66	20	29.93	760.1	30.00	761.9	60.6	15.9	69.8	8	4	2	5	1	.....	4	6	.....	.....	.....	4	3.73	94.8
Saint Vincent	N. 16 37	W. 25 02	10.28 a.m.	34	10	29.98	761.6	30.02	762.5	70.5	21.4	72.1	4	.....	.....	.....	.....	.....	1	25	.....	.....	.....	6	0	0
San Salvador	S. 6 17	E 14 53	1.07 p.m.	1834	559	28.03	711.9	29.84	757 9	83.1	28.4	62.8	.....	3	5	14	1	1	1	4	.....	.....	.....	6	8.61	218.7
Serra da Estrella	N. 40 25	W. 7 35	11.37 a.m.	4728	1441	25.00	635.0	29.81	757.2	30.1	2.3	96.9	...	5	8	6	1	6	2	2	.....	.....	.....	10	21.88	555.8
RUSSIAN																												
Akmolinski	N. 51 12	E. 71 23	4.54 p.m.	843?	306?	28.88	733.4	29.99	761.8	34.3	1.3	75.7	2	3	4	5	4	2	6	4	.....	.....	.....	6	0.31	7.8
Archangel	N. 64 33	E. 40 32	2.50 p.m.	16	5	29.95	760 8	29.97	761.3	28.9	—1.7	71.6	2	7	6	8	2	3	2	.....	.....	.....	.....	6	0.70	17.8
Ashuruda	N. 36 54	E. 53 55	3.44 p.m.	79	24	29.90	760.9	29.86	758.5	65.5	18.6	76.2	9	12	4	.....	.....	1	2	2	.....	.....	.....	6	0.87	22.0
Astrakhan	N. 46 21	E. 48 02	3.20 p.m.	68	21	30.00	762.0	29.93	760.2	55.0	12.8	48.3	.....	4	2	1	5	5	10	3	.....	.....	.....	5	1.15	29.1
Baku	N. 40 21	E. 49 51	3.28 p.m.	39	12	29.94	760.6	29.90	759.4	55.0	12.8	75.3	11	1	.....	2	10	1	.....	1	4	.....	.....	4	.....	.....
Barnaul	N. 53 20	E. 83 47	5.43 p.m.	459?	140?	29.62	752.3	30.14	765.6	32.4	0.2	63.4	1	2	4	9	3	.....	.....	7	4	.....	.....	5	0.65	16.6
Bielosersk	N. 60 02	E. 37 47	2.39 p.m.	430?	131?	29.60	751.7	30.08	764 0	38.1	3.4	53.2	5	8	3	2	2	1	1	7	.....	.....	.....	6	0.07	1.8
Dorpat	N. 58 23	E. 26 43	1.55 p.m.	223	68	29.82	757.5	30.07	763.8	42.8	6.0	56.2	.....	3	4	1	4	3	8	7	.....	.....	.....	5	0.53	13.4
Ekaterinburg	N. 56 49	E. 60 38	4.10 p.m.	894?	272?	28.98	736.0	29.97	761.2	34.9	1.6	60.5	3	3	7	5	4	4	4	.....	.....	.....	.....	7	1.24	31.5
Elisawetgrad	N. 48 31	E. 32 17	2.17 p.m.	417?	127?	29.45	748.0	29.90	759.5	50.4	10.2	58.2	3	3	2	4	2	6	8	1	1	.....	.....	8	0.78	19.7
Kasalinsk	N. 45 46	E. 62 07	4.16 p.m.	147	45	29.68	753.9	29.86	758.3	55.0	12.8	59.8	5	1	3	4	3	3	5	6	.....	.....	.....	.....	.....	.....
Kasan	N. 55 47	E. 49 08	3.24 p.m.	249	76	29.68	753.8	29.96	760.9	38.1	3.4	66.7	6	.....	4	7	3	2	4	2	.....	.....	.....	8	1.08	27.5
Kem	N. 64 57	E. 34 39	2.26 p.m.	43	13	29.99	761.8	30.04	763.1	31.8	—0.1	63.2	2	4	2	5	2	1	1	8	5	.....	.....	7	0.71	18.1
Kertcha	N. 45 21	E. 36 29	2.34 p.m.	18?	6?	29.83	757.7	29.86	758 3	49.6	9.8	74.8	5	2	1	1	5	1	6	2	6	.....	.....	7	0.98	24.9
Kieff	N. 50 27	E. 30 30	2.10 p.m.	600	183	29.24	742.8	29.89	759.1	45.0	7.2	59.2	5	3	1	1	1	7	7	5	.....	.....	.....	8	1.68	42.7
Koslov	N. 52 53	E. 40 31	2.50 p.m.	466?	142?	29.44	747.9	29.95	761.1	36.9	2.7	76.7	3	1	3	3	2	4	6	7	1	.....	.....	6	2.21	56.1
Lgov	N. 51 41	E 35 17	2.29 p.m.	535?	163?	29.40	746.8	30.00	762.0	40.6	4.8	72.0	2	5	1	1	1	4	12	3	1	.....	.....	7	1.17	29.8
Libau	N. 56 31	E. 21 01	1.32 p.m.	20	6	29.98	761.6	30.01	762.2	43.2	6.2	61.8	2	2	6	3	2	2	8	5	.....	.....	.....	6	1.11	28.2
Lugan	N. 48 35	E. 39 20	2.45 p.m.	188?	57?	29.66	753.4	29.87	758.6	49.8	9.9	57.9	3	2	3	4	2	4	8	4	.....	.....	.....	8	3.00	76.1
Moscow	N. 55 46	E. 37 40	2.39 p.m.	448	136	29.53	750.1	30.02	762.6	38.5	3.6	56.8	4	6	2	.....	2	3	2	5	6	.....	.....	5	1.94	49.2
Nertchinsk	N. 51 19	E.119 37	8.07 p.m.	?	?	27 61	701.3	29.98	761.6	29.1	—1.6	43.8	1	5	1	1	1	2	1	.....	18	.....	.....	4	0.42	10.6
Nikolajev	N. 46 58	E. 31 58	2.16 p.m.	62	19	29.80	756.8	29.87	758.6	52.3	11.3	68.0	5	.....	.....	1	7	3	2	6	6	.....	.....	5	2.49	63.2
Nikolaievsk	N. 53 08	E.140 45	9.31 p.m.	59	18	29.79	756.6	29.88	758.8	22.5	—5.3	80.5	1	4	6	.....	.....	3	1	2	12	.....	.....	5	.....	.....
Pekin	N. 39 57	E.116 28	7.54 p.m.	123?	38?	29.82	757 3	29.96	760 9	57.0	13.9	39.6	1	4	.....	5	1	8	1	.....	10	.....	.....	4	0.10	2.6

* One day missing, except in rainfall.

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea.		Result of Simultaneous Observations for April, 1884.																			Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity.	Wind.														
						Actual.		Reduced.					Directions.									Total Movement.					
				Feet.	Met'rs	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.		Inch.	Mill.
Russian —Cont'd	° ′	° ′																									
Petro-Alexandrovsk	N. 41 28	E. 61 05	4.12 p.m.	328	100	29.54	750.4	29.88	759.0	69.1	20.6	32.9	3	2	3	5	1	9	1	6	....	.....	.....	7	.....	.....
Petrozavodsk	N. 61 47	E. 34 23	2.26 p m.	180?	55?	29.86	758.4	30.06	763.5	36.5	2.5	53.4	3	7	3	4	.....	7	3	3	.....	.....	.....	4	0.16	4.2
Pinsk	N. 52 07	E. 26 06	1.52 p.m.	459?	140?	29.43	747.4	29.93	760.2	43.0	6.1	68.9	4	2	2	2	1	6	9	4	.....	.....	.....	9	1.94	49.3
Poti	N. 42 09	E. 41 37	2.54 p.m.	466?	142?	29.83	757.6	29.86	758.4	60.8	16.0	86.0	.....	1	1	12	4	...	11	.....	1	.....	.....	6	3.28	83.3
St. Petersburg	N. 59 56	E. 30 16	2.09 p.m.	20	6	30.08	763.9	30.10	764.5	38.8	3.8	48 1	1	5	5	4	4	1	1	9	.....	.....	.....	3	0.58	14.6
Samarkand *a*	N. 39 39	E. 66 57	4.36 p.m.	2379?	725?	27.46	697.5	29.86	758 3	67.8	19.9	52.0	.....	1	.....	4	2	1	7	2	12	.....	.....	5	.....	.....
Semipalatinsk	N. 50 24	E. 80 13	5.29 p.m.	607?	185?	29.47	748.5	30.15	765.9	36.0	2.2	66.1	1	2	2	1	1	2	4	4	13	.....	.....	5	.....	.....
Sevastopol	N. 44 37	E 33 31	2.22 p.m.	138?	42?	29.62	752.2	29.83	757.6	54.5	12.5	63.9	5	8	6	3	3	1	.....	2	2	.....	.....	6	0.21	5.3
Staroi Bykhov	N. 53 31	E. 30 16	2.09 p.m.	423?	129?	29.41	746.9	29.97	761.3	42.8	6.0	59.3	2	1	1	2	.....	10	7	7	.....	.....	.....	6	1.55	39.3
Tashkend	N. 41 20	E. 69 18	4.45 p.m.	1607?	490?	28.27	718.0	29.89	759.1	69.1	20.6	45.6	4	10	3	.....	.....	.....	.....	2	11	.....	.....	7	1.99	50.6
Tiflis	N. 41 43	E. 44 47	3.07 p.m.	1343	409	28.40	722.8	29.85	758.2	61.9	16.6	49.9	5	7	2	1	4	10	.....	.....	1	.....	.....	7	2.51	63.8
Vernoe	N. 43 16	E. 76 53	5.16 p.m.	2401?	732?	27.39	695.7	29.83	757.7	62.8	17.1	51.2	1	1	2	2	.....	3	2	3	16	.....	.....	5	.....	.....
Viatka	N. 58 36	E. 49 41	3.27 p.m.	581?	177?	29.36	745.7	30.01	762.2	33.6	0.9	59.1	3	1	6	2	2	1	4	4	7	.....	.....	4	0.76	19.4
Vladivostock	N. 43 09	E.132 00	8.56 p.m.	59?	18?	29.90	759.4	29.96	761.1	36.5	2.5	79.7	6	4	.....	.....	1	10	3	3	3	.....	.....	6	1.84	46.8
Warsaw	N. 52 13	E. 21 02	1.32 p.m.	392	119	29.46	748.2	29.89	759.1	45.1	7.3	62.9	6	1	.....	2	2	10	4	5	.....	.....	.....	8	.....	.....
Yeniseisk	N. 58 27	E. 92 06	6.16 p.m.	2627	80?	29.83	757.6	30.13	765.4	25.0	—3.9	56.2	1	3	13	2	3	2	2	.....	4	.....	.....	6	0.31	7.8
Sub-Series.																											
Petrowsky Ac'y	N. 55 50	E. 37 38	2.39 p.m.	508	155	29.39	746.5	29.93	760.2	38.1	3.4	60.8	5	2	4	2	2	5	4	5	1	.....	.....	5	1.24	31.5
Spanish.																											
Barcelona	N. 41 23	E. 2 15	0.16 p.m.	98	30	29.64	752.9	29.75	755.7	57.7	14.3	77	1	.....	5	10	3	1	4	6	.....	807	1299	7	2.99	75.9
Bilbao	N. 43 15	W. 2 59	11.56 a.m.	52	16	29.70	754.4	29.76	755.9	60.4	15.8	66	.....	16	1	.....	2	7	.....	.....	4	1473	2370	8	6.32	160.4
Burgos	N. 42 20	W. 3 46	11.53 a.m.	2821	860	26.82	681.1	29.80	756.9	48.0	8.9	77	7	1	5	10	3	.....	2	2	.....	5855	9423	8	5.87	149.0
Madrid	N. 40 25	W. 3 42	11.53 a.m.	2152	656	27.57	700.2	29.80	756.8	54.0	12.2	69.8	...	1	3	17	1	4	1	3	.....	6402	13044	6	7.49	190.3
Murcia	N. 37 59	W. 1 10	0.03 p.m.	141	43	29.64	752.9	29.76	756.0	59.4	15.2	64.0	1	7	5	.....	11	1	2	3	.....	1829	2942	8	2.65	67.2
Santiago	N. 42 53	W. 8 28	11.34 a.m.	863	263	28.81	731.8	29.71	754.5	54.9	12.7	71	5	4	1	6	6	2	.....	5	1	8591	11477	9	10.37	263.4
Sub-Series.																											
Havana	N. 23 08	W.82 28	7.39 a.m.	62	19	29.98	761.5	30.04	763.1	71.9	22.2	93.5	3	.....	.....	.....	.....	1	16	10	.....	.....	.....	2	0.68	17.3
Manilla	N. 14 35	E.120 56	8.12 p.m.	54	16	29.90	759.4	29.95	760 8	82.0	27.8	69.8	...	.....	.....	4	2	19	5	.....	.....	.....	.....	1	0	0
San Fernando	N. 36 28	W. 6 13	11.43 a.m.	95	29	29.82	757.5	29.92	760.0	60.1	15.6	73.5	.....	1	18	1	6	2	1	.....	1	.....	.....	7	5.78	146.7
San Juan de Porto Rico	N. 18 30	W.66 10	7.44 a.m.	82	25	29.96	760.9	30.05	763.2	74.8	23.8	84.0	1	.....	.....	.....	.....	.....	.....	.....	29	.....	.....	4	2.62	66.5
Swedish.																											
Haparanda	N. 65 47	E. 24 03	1.44 p.m.	29	9	30.04	762.9	30.08	763.9	34.3	1.3	81	13	.....	4	2	6	1	1	2	1	.....	.....	5	0.31	7.9
Umea	N. 63 50	E. 20 17	1.29 p.m.	39	12	30.03	762.7	30.08	764.0	38.1	3.4	68	.....	2	1	12	3	...	8	4	.....	.....	.....	6	0.34	8.7
Hernosand	N. 62 32	E. 17 57	1.20 p.m.	46	14	30.00	761.9	30.05	763.2	41.2	5.1	58	2	1	.....	.....	10	2	2	7	6	.....	.....	5	0.26	6.5
Stockholm	N. 59 20	E. 18 04	1.20 p.m.	144	44	29.67	758.8	30.05	763.3	43.0	6.1	52	3	2	2	3	6	5	5	4	.....	.....	.....	4	0.22	5.5
Wisby	N. 57 39	E. 18 19	1.21 p.m.	52	16	29.95	760.7	30.01	762.2	42.3	5.7	64	4	3	5	....	1	7	8	2	.....	.....	.....	3	0.50	12.7
Sub-Series.																											
Upsala	N. 59 51	E. 17 37	1.19 p.m.	79	24	29.95	760.6	30.03	762.8	44.1	6.7	52.8	1	2	3	3	7	2	5	7	.....	.....	.....	5	0.31	8.0
Swiss.																											
Geneva	N. 46 12	E. 6 08	0.33 p m.	1338	408	28.33	719.6	29.76	755.9	53.2	11.8	54.0	19	3	3	.....	4	.....	.....	1	.....	.....	.....	6	1.11	28.1
Turkish.																											
Constantinople	N 41 00	E. 28 59	2.04 p.m.	230	70	.....	.....	29.84	757.9	60.1	15.6	56.0	9	3	1	9	3	4	1	....	.....	.....	.....	6	0.98	24.9
Valona	N. 40 27	E. 19 27	1.26 p.m.	105	32	.....	.....	29.89?	759.3?	67.5?	19.7?	.....	..	....	4	18	8	.....	.....	.....	.....	.....	.....	6	4.76	121.0
Sub-Series.																											
Beirut	N. 33 54	E. 35 28	2.30 p.m.	111	34	.....	.....	29.88	758.9	70.0	21.1	68.0	2	2	1	16	.....	.....	1	8	.....	.....	.....	5	1.65	41.9
United States.																											
Albany	N. 42 39	W. 73 45	7.13 a.m.	75	23	29.80	756.9	29.88	758.9	43.9	6.6	67.5	7	12	3	2	3	2	1	.....	.....	4807	7736	7	2.09	53.1
Alpena	N. 45 05	W. 83 30	6.34 a.m.	609	185	29.32	744.7	30.01	762.2	33.9	1.1	74.2	1	12	7	.....	.....	3	4	2	1	7505	12078	5	0.75	19.0
Apache, Fort	N. 33 48	W.109 57	4.48 a.m.	5050	1539	24.93	633.2	29.85	758 2	35.0	1.7	81.3	....	1	....	4	2	2	11	10	.....	5303	8535	4	1.67	42.4
Assinaboine, Ft.	N. 48 32	W.109 42	4.49 a.m.	2720	829	27.15	689.6	30.00	763.5	33.1	0.6	81.4	.....	1	4	1	7	...	1	6	5	6	6438	10361	3	0.25	6.3
Atlanta	N. 33 45	W. 84 23	6.31 a.m.	1129	344	28.81	731.8	30.00	762.0	52.5	11.4	70.4	...	12	4	1	1	7	4	1	.....	7356	11838	5	5.86	146.8
Atlantic City	N. 39 22	W. 74 25	7.10 a.m.	13	4	29.84	757.9	29.85	758.2	44.9	7.2	77.8	8	5	8	.....	2	.....	5	1	1	6096	9810	4	4.29	109.0
Augusta	N. 33 28	W. 81 54	6.40 a.m.	183	56	29.82	757.4	30.01	762.2	55.4	13.0	76.3	.....	3	8	2	1	3	2	2	9	2801	4508	6	3.68	93.5
Baltimore	N. 39 18	W. 76 37	7.02 a.m.	45	14	29.88	758.9	29.93	760.2	48.1	8.9	64.4	9	10	1	2	1	2	2	3	.....	5139	8270	6	2.65	67.3
Barnegat City	N. 39 46	W. 74 06	7.12 a.m.	22	7	29.84	757.9	29.86	758.4	45.4	7.4	73.9	8	8	.....	3	.....	4	3	3	1	10310	16602	5	0.97	24.0
Bennett, Fort	N. 44 43	W.100 39	5.26 a.m.	1510	457	28.42	721.9	30.06	763.5	35.1	1.7	81.8	....	7	1	2	.....	10	.....	7	3	8150	13116	6	2.35	59.7
Benton, Fort *a*	N. 47 50	W.110 40	4.45 a.m.	2681	817	27.21	691.1	30.07	763.8	31.2	—0.4	75.5	1	3	4	5	.....	.....	1	5	10	5100	8208	6	0.46?	11.7?
Bismarck	N. 46 47	W.100 38	5.26 a.m.	1694	516	28.19	716.0	30.07	763.8	32.5	0.3	83.0	6	3	.....	.....	.....	5	7	3	6	6261	10076	6	2.20	55.9
Block Id	N. 41 10	W. 71 36	7.22 a.m.	27	8	29.79	756.7	29.82	757.4	40.7	4.8	85.6	11	6	.....	2	2	..	2	7	.....	9941	15998	6	4.10	104.1
Boise City	N. 43 37	W.116 08	4.24 a.m.	2750	838	27.08	687.8	29.92	760 0	43.8	6.6	71.7	3	8	2	2	4	5	3	....	3	3855	6204	4	0.78	19.8
Boston	N. 42 21	W. 71 04	7.24 a.m.	142	43	29.65	753.1	29.81	757.2	40.3	4.6	86.9	5	11	3	1	.....	1	3	6	.....	7995	12866	6	4.76	120.9
Brownsville	N. 25 53	W. 97 26	5.38 a.m	57	17	29.85	758.2	29.91	759.7	66.1	18.9	91.7	5	2	....	2	5	7	4	3	2	8201	13198	6	0.57	14.5
Buffalo	N. 42 53	W. 78 53	6.52 a.m	690	210	29.17	740.9	29.94	760.5	36.3	2.4	82.1	1	4	3	8	2	2	3	7	.....	6144	9888	6	1.56	39.6
Buford, Fort	N. 48 00	W.103 56	5.12 a.m.	1930	588	27.98	710.7	30.08	764.0	30.1	—1.1	85.3	5	6	2	....	.....	1	5	10	1	7573	12187	6	1.30	33.0
Cairo	N. 37 00	W. 89 10	6.11 a.m.	377	115	29.58	751.3	29.99	761.7	51.7	10.9	76.0	2	8	1	4	2	6	2	4	1	7193	11576	7	3.65	92.7
Canby, Fort	N. 46 16	W.124 04	3.52 a.m.	179	54	29.74	755.4	29.91	760.5	48.0	8.9	88.0	2	1	5	.....	7	4	5	2	4	7129	11473	4	2.98	75.7
Cape Henry	N. 36 56	W. 76 00	7.04 a.m.	16	5	29.90	759.4	29.92	760 0	49.7	9.8	78.6	2	8	3	2	5	3	.....	7	.....	9008	14042	5	2.89	73.4
Cape Mendocino	N. 40 26	W.124 24	3.50 a.m.	637	194	29.27	743.4	29.96	761.0	46.0	7.8	86.9	.....	12	.....	.....	.....	2	15	...	1	15133	24354	8	3.30	85.3
Cape May	N. 38 56	W. 74 58	7.08 a.m.	27	8	29.85	758.2	29.88	758.9	46.0	7.8	79.1	1	11	6	1	.....	2	5	4	.....	11881	19120	5	2.34	59.4
Cedar Keys	N. 29 08	W. 83 02	6.36 a.m.	22	7	30.00	762.0	30.02	762.5	65.0	18.3	77.0	5	6	5	3	5	2	2	2	.....	7530	12128	4	3.58	90.9
Charleston	N. 32 47	W. 79 56	6.48 a.m.	52	16	29.90	759.4	29.96	761.0	58.6	14.8	77.6	3	5	6	9	.....	.....	2	4	1	6076	9778	6	3.45	87.6
Charlotte	N. 35 13	W. 80 51	6.44 a.m	808	246	29.11	739.4	29.97	761.2	51.4	10.8	69.9	4	6	4	4	.. ..	2	5	5	.....	4540	7306	6	5.40	137.2
Chattanooga	N. 35 04	W. 85 15	6.27 a.m.	783	239	29.16	740.7	29.99	761.7	51.6	10.9	77.6	4	2	5	7	1	3	4	3	1	4708	7673	6	5.95	151.1
Cheyenne	N. 41 08	W.104 48	5.09 a.m.	6105	1861	23.91	607.3	29.93	760.1	29.2	—1.6	71.9	7	14	2	1	4	1	.....	1	....	8060	12971	4	1.33	33.8
Chicago	N. 41 52	W. 87 38	6.18 a.m.	661	201	29.24	742.7	29.97	761.2	41.1	5.1	74.6	3	6	4	1	1	1	9	5	.....	6364	10242	5	3.05	77.5
Chincoteague	N. 37 55	W. 75 23	7.06 a.m.	18	5	29.88	758.9	29.90	759.4	46.6	8.1	79.0	5	13	.....	1	2	2	4	3	.....	9243	14875	5	1.51	38.4
Cincinnati	N. 39 06	W. 84 30	6.30 a.m.	620	189	29.29	744.0	29.95	760 7	48.1	8.9	74.5	3	2	6	.....	3	3	9	2	2	4019	7433	6	3.02	76.7
Cleveland	N. 41 30	W. 81 42	6.41 a.m.	690	210	29.20	741.7	29.96	761.0	40.3	4.6	75.1	1	6	3	4	1	5	1	8	1	6979	11231	6	1.75	44.4
Columbus	N. 39 58	W. 83 00	6.36 a.m.	805	245	29.07	738.4	29.94	760.5	43.0	6.1	73.1	5	3	6	3	2	2	5	4	.....	6424	10338	6	2.11	53.6
Concho, Fort	N. 31 25	W.100 24	5.26 a.m.	1900	579	28.05	712.5	29.99	761.7	49.7	9.8	79.6	1	6	3	1	4	2	1	8	4	7140	11490	4	5.64	143.3
Custer, Fort	N. 45 42	W.107 34	4.58 a.m.	3040	926	26.81	681.0	29.99	761 7	33.1	0.6	81.2	5	1	4	2	.....	7	5	4	2	5543	8920	5	0.77	19.6
Davenport	N. 41 30	W. 90 38	6.06 a.m.	615	187	29.28	743.7	29.96	761.0	43.4	6.3	71.9	3	7	1	3	2	1	5	8	.....	7779	12519	6	0.77	19.6
Davis, Fort	N. 30 38	W.103 56	5.12 a.m.	4928	1502	25.17	639.3	29.95	760.7	44.3	6.8	82.8	4	.....	.....	15	1	.....	1	6	3	5851	9416	3	1.63	41.4
Dayton	N. 46 19	W.117 56	4.16 a.m.	1667	508	28.19	716.0	29.95	760.7	41.9	5.5	77.8	1	....	..	9	1	2	10	7	.....	4622	7438	4	2.40	61.0
Deadwood	N. 44 23	W.103 43	5.13 a.m.	4600	1402	25 32	643.1	30.01	762.2	30.7	—0.7	82.5	1	1	1	5	7	6	3	5	1	3932	6328	5	2.29	58.2
Del. Breakwater	N. 38 48	W. 75 10	7.07 a.m.	20	6	29.88	758.9	29.90	759.4	44.9	7.2	82.0	2	13	1	1	.....	3	2	8	.....	11484	18481	5	1.82	46.2
Denver	N. 39 45	W.105 00	5.08 a.m.	5294	1614	24.65	626.1	29.92	760.0	35.4	1.9	70.2	3	3	1	1	13	2	.....	1	6	4839	7787	4	3.33	84.6
Des Moines	N. 41 35	W. 93 37	5.54 a.m.	849	259	29.04	737.6	29.97	761.2	42.3	5.7	70.3	8	5	2	1	2	6	2	2	2	5983	9628	6	2.97	75.4
Detroit	N. 42 20	W. 83 03	6.36 a.m.	661	201	29.25	742.9	29.98	761.5	40.5	4.7	71.5	8	5	4	3	.....	2	3	3	2	5582	8983	5	1.54	39.1
Dodge City	N. 37 45	W.100 00	5.28 a.m.	2517	767	27.34	694.4	29.98	761.5	40.4	4.7	71.6	2	9	7	1	4	3	4	.....	.....	11533	18560	4	1.07	27.2
Dubuque	N. 42 30	W. 90 44	6.05 a.m.	665	203	29.25	742.9	29.98	761.5	41.7	5.4	70.7	1	7	2	.....	3	.....	7	5	5	4905	7894	6	2.77	70.4
Duluth	N. 46 48	W. 92 06	6.00 a.m.	687	209	29.29	744.0	30.06	763.5	32.9	0.5	78.8	7	6	.....	.....	.....	.....	.....	11	6	7336	11806	6	3.04	52.5
Eastport	N. 44 54	W. 66 59	7.40 a.m.	61	18	29.71	754.6	29.78	756.4	37.9	3.3	83.6	6	4	2	1	.....	.....	2	11	4	6263	10079	6	6.83	173.5
Elliott, Fort	N. 35 30	W.100 21	5.27 a.m.	2650	808	27.18	690.4	29.96	761.0	42.6	5.9	70.1	10	4	1	3	5	2	2	1	2	10476	16859	6	1.08	27.4
El Paso	N. 31 47	W.106 30	5.02 a.m.	3764	1147	26.20	665.5	29.94	760.5	48.4	9.1	45.5	.....	1	15	1	...	1	4	1	7	4449	7160	2	0.91	23.1
Erie	N. 42 07	W. 80 05	6.48 a.m.	681	208	29.20	741.7	29.95	760.7	40.1	4.5	77.7	3	1	5	5	2	3	2	6	3	6240	10042	6	1.99	50.5
Escanaba	N. 45 48	W. 87 05	6.20 a.m.	613	187	29.33	745.0	30.02	762.5	31.2	—0.4	78.6	16	5	3	.....	3	.....	2	1	.....	7377	11882	6	2.60	66.0
Fort Smith	N. 35 22	W. 94 24	5.50 a.m.	451	137	29.49	749.0	29.97	761.2	50.6	10.3	79.7	5	3	2	.....	4	.....	5	.....	11	.....	.....	7	2.62	66.5
Galveston	N. 29 18	W. 94 47	5.49 a.m.	40	12	29.93	760.2	29.97	761.2	64.7	18.2	82.8	3	4	1	3	6	7	4	2	.....	9382	15008	6	5.55	141.0
Grand Haven	N. 43 05	W. 86 18	6.23 a.m.	620	189	29.30	744.2	29.98	761.5	40.2	4.6	72.2	11	3	3	1	1	.....	3	6	2	8043	12944	6	3.83	97.3
Grant, Fort	N. 32 39	W.109 57	4.48 a.m.	4856	1480	25.15	638.8	29.88	758.9	45.6	7.6	44.8	11	2	2	.....	.....	1	8	6	.....	5594	9002	2	0.47	11.9
Hatteras	N. 35 15	W. 75 40	7.05 a.m.	12	4	29.91	759.7	29.92	760.0	53.4	11.9	78.7	3	9	1	2	2	1	....	12	.....	8803	14167	5	3.51	89.2
Helena	N. 46 34	W.112 04	4.40 a.m.	4044	1232	25.80	655.3	30.01	762.2	35.1	1.7	71.9	4	8	6	2	1	1	1	4	3	4080	6566	5	1.06	26.9
Huron	N. 44 21	W. 98 09	5.35 a.m.	1305	398	28.59	726.2	30.04	763.0	34.8	1.6	84.3	8	6	1	1	2	6	4	2	.....	8341	13423	6	2.70	68.6

STATIONS.	Latitude.	Longitude.	Local Time.	Altitude of Barometer above sea		Result of Simultaneous Observations for April, 1884.																				Average Cloudiness.	Total Precipitation.	
						Mean Barometer.				Mean Temperature.		Mean Rel. Humidity.	Wind.															
						Actual.		Reduced.					Directions.									Total Movement.						
				Feet.	Metr's	Inch.	Mill.	Inch.	Mill.	Fah.	Cent.		N	NW	W	SW	S	SE	E	NE	C	Miles	Kil.		Inch.	Mill.
U. S.—Continued.	° ′	° ′																								0–10		
Indianapolis	N. 39 46	W. 86 10	6.23 a.m.	753	229	29.12	739.6	29.94	760.5	44.8	7.1	66.1	3	4	5	1	3	6	3	4	1	5193	8357	7	2.89	73.4
Indianola	N. 28 32	W. 96 31	5.42 a.m.	26	8	29.92	760.0	29.95	760.7	63.9	17.7	88.7	3	4	.....	4	9	5	1	3	1	12257	19725	5	1.96	49.8
Jacksonville	N. 30 20	W. 81 39	6.42 a.m.	43	13	29.96	761.0	30.00	762.0	63.4	17.4	77.4	.....	6	5	8	6	1	1	1	2	5832	9386	4	2.32	58.9
Keokuk	N. 40 22	W. 91 26	6.02 a.m.	618	188	29.29	744.0	29.95	761.0	44.2	6.8	77.1	3	4	4	1	2	2	6	3	5	5981	9625	6	1.31	33.3
Key West *a*	N. 24 34	W. 81 49	6.41 a.m.	20	6	30.02	762.5	30.04	763 0	74.8	23.8	72.4	5	2	.....	1	4	8	2	6	1	7311	11766	5	0.98	24.9
Kittyhawk	N. 36 00	W. 75 42	7.05 a.m.	22	7	29.90	759.4	29.92	760.0	50.1	10.1	78.1	4	8	.....	4	1	2	.....	11	.....	10283	16548	4	4.83	122.7
Knoxville	N. 35 56	W. 83 58	6.32 a.m.	980	299	28.94	735.1	29.98	761.5	48.6	9.2	80.2	1	1	3	7	1	.....	1	11	5	4785	7700	5	4.41	112.8
La Crosse	N. 43 49	W. 91 15	6.03 a.m.	725	221	29.18	741.2	29.98	761.5	40.8	4.9	70.0	9	1	2	2	5	4	3	4	.....	6687	10762	6	3.07	78.0
Lenvenworth	N. 39 19	W. 94 57	5.48 a.m.	842	256	29.07	738.4	29.98	761 5	44.8	7.1	79.0	2	8	.....	1	2	5	3	2	7	6562	10560	5	4.41	120.4
Lewiston	N. 46 28	W. 117 05	4.20 a.m.	780	238	29.14	740.1	29.99	761.7	44.5	6.9	77.5	.....	.....	.....	1	.....	3	...	15	11	1673	2692	4	1.47	37.3
Little Rock	N. 34 45	W. 92 06	6.00 a.m.	298	91	29.67	753.6	29.99	761.7	53.8	12.1	82.0	4	7	2	5	4	2	2	2	.....	4528	7287	6	10.24	260.1
Los Angeles	N. 34 03	W. 118 15	4.15 a.m.	299	91	29.63	752.6	30.03	762.7	50.4	10.2	90.6	.....	1	1	1	1	1	7	15	3	4512	7261	5	3.58	90.9
Louisville	N. 38 15	W 85 45	6.25 a.m.	530	162	29.37	746.0	29.94	760.5	49.6	9.8	71.3	3	3	5	3	.....	7	1	5	3	6341	10205	6	2.91	73.9
Lynchburg	N. 37 25	W. 79 09	6.52 a.m.	652	199	29.24	742.7	29.95	760.7	48.6	9.2	73.8	1	7	5	1	1	1	6	7	3	3391	5457	6	2.35	59.7
Mackinaw City	N. 45 47	W. 84 39	6.30 a.m.	605	184	29.34	745.2	30.02	762.5	33.5	0.8	76.7	3	5	5	1	1	5	5	3	2	6694	10773	5	0.99	50.5
Macon, Fort	N. 34 42	W. 70 40	7.01 a.m.	11	3	29.93	760.2	29.94	760.5	54.4	12.4	79.8	7	8	1	6	.....	1	1	6	.....	10790	17364	5	2.47	62.7
Maginnis, Fort	N. 47 12	W. 109 10	4.51 a.m.	4340	1324	25.52	648.2	30.02	762.5	30.6	-0.8	50.9	.....	10	7	2	.....	5	1	5	.....	6536	8909	6	0.62	15.7
Marquette	N. 46 34	W. 87 24	6.18 a.m.	673	205	29.31	744.5	30.06	763.5	33.0	0.6	73.0	6	11	3	2	2	1	.....	2	3	6119	19330	5	3.91	100.1
Memphis	N. 35 09	W. 90 03	6.08 a.m.	321	98	29.62	752.3	29.96	761.0	54.8	12.7	79.3	1	7	4	4	1	5	4	2	2	4067	6545	6	8.60	218.4
Milwaukee	N. 43 02	W. 87 54	6.16 a.m.	697	212	29.21	741.9	29.98	761.5	37.9	3.3	78.4	6	4	2	2	.....	4	1	11	.....	8870	14275	6	3.15	80.0
Mobile	N. 30 41	W. 88 02	6.16 a.m.	41	12	29.97	761.2	30.01	762 2	66.1	15.6	82.0	5	7	3	1	6	3	1	4	.....	4943	7955	5	5.51	140.7
Montgomery	N. 32 23	W. 86 18	6.23 a.m.	219	66	29.77	756.1	30.00	762.0	56.8	13.8	78.7	3	0	4	6	4	3	2	1	1	4509	7353	5	3.08	78.2
Moorhead	N. 46 52	W. 96 44	5.41 a.m.	923	281	29.02	737.1	30.05	763.3	33.2	0.7	79.2	11	1	...	2	4	4	1	3	4	6413	10320	6	1.23	31.2
Mt. Washington	N. 44 16	W. 71 18	7.23 a.m.	6279	1914	23.48	596.4	29.89	759 2	23.9	—4.5	90.7	2	13	1	.....	3	1	3	6	1	15970	25701	3	3.29	83.6
Nashville	N. 36 10	W. 86 47	6.21 a.m.	549	167	29.38	746.2	29.96	761.0	50.8	10.4	80.5	1	1	7	5	1	6	6	3	.....	5427	8734	6	3.51	89.2
New Haven	N. 41 18	W. 72 56	7.16 a.m.	107	32	29.74	755 4	23.86	758.4	42.1	5.6	74.7	13	6	1	1	.....	1	2	5	1	6778	10908	6	2.36	59.9
New London	N. 41 21	W. 72 05	7.20 a.m.	47	14	29.79	756 7	29.84	757.9	43.5	6.4	75.6	6	8	4	2	.....	.....	1	6	3	4978	8011	6	3.99	101.3
New Orleans	N. 29 58	W. 90 04	6.08 a.m.	52	16	29.93	760.2	29.99	761 7	64.3	17.9	78.0	1	5	3	1	6	6	3	3	2	4313	6941	5	6.48	164.6
New York	N. 40 43	W. 74 00	7.12 a.m.	164	50	29.70	754.4	29.88	758.9	44.2	6.8	71.9	3	10	4	1	.....	1	4	2	5	5910	9511	6	2.66	67.6
Norfolk	N. 36 51	W. 76 17	7.03 a.m.	30	9	29.88	758.9	29.91	759.7	51.4	10.8	73.7	4	7	3	3	1	2	1	6	3	4536	7300	6	1.95	49.5
North Platte	N. 41 08	W. 100 45	5.25 a.m.	2841	866	27.00	685.8	29.90	761.0	37.8	3.2	77.2	6	3	4	1	2	5	2	.....	7	8907	14431	6	2.14	54.4
Olympia	N. 47 03	W. 122 53	3.57 a.m.	36	11	29.90	759.4	29.94	760 5	44.0	6.7	87.8	.....	.....	.....	2	6	.....	.....	.....	22	1574	2533	4	3.60	91.4
Omaha	N. 41 16	W. 95 56	5.44 a.m.	1113	339	28.78	731.0	29.99	761.7	42.0	5.6	82.4	8	3	1	2	4	6	1	1	4	4870	7847	6	3.48	98.6
Oswego	N. 43 29	W. 76 35	7.02 a.m.	304	93	29.58	751.3	29.92	760.0	39.0	3.9	77.9	7	7	1	2	3	4	.....	4	2	6953	9741	6	0.88	22.4
Palestine	N. 31 45	W. 95 40	5.45 a.m.	533	162	29.43	747.5	29.99	761.7	55.6	13.1	87.0	2	6	1	2	8	3	1	7	.....	7412	11928	7	7.30	185.4
Pensacola	N. 30 25	W. 87 13	6.19 a.m.	30	9	29.97	761.2	30.00	762.0	61.6	16.4	81.9	6	5	3	2	5	1	4	3	1	9325	15179	5	5.67	144.0
Philadelphia	N. 39 57	W. 75 09	7.07 a.m.	117	36	29.78	756.4	29.91	759.7	44.8	7.1	83.1	3	12	3	1	1	2	6	1	1	8012	12894	5	1.63	41.4
Pike's Peak	N. 38 50	W. 105 02	5.08 a.m.	14134	4308	17.60	447.0	29.88	758.9	4.0	-15.6	81.2	5	10	6	6	.....	.....	.....	2	1	16765	26980	4	0.43	10.9
Pittsburg	N. 40 32	W. 80 02	6.48 a.m.	766	233	29.10	739 1	29.93	760.2	43.7	6.5	73.6	4	5	7	1	1	1	3	8	.....	5270	8491	6	1.11	28.2
Poplar, River	N. 48 08	W 105 10	5.07 a.m.	2030	619	.....	.....	.....	.....	30.5	—0.8	85.7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	6	0.91	23.1
Port Huron	N. 43 00	W. 82 26	6.38 a.m.	633	193	29.26	743.2	29.96	761.0	36.3	2.4	82.2	6	7	1	1	3	3	6	2	7867	12660	5	2.58	65.5
Portland, Maine	N. 43 39	W. 70 15	7.27 a.m.	45	14	29.75	755 6	29.80	756.9	42.3	5.7	75.6	9	3	3	.....	.....	1	2	10	2	6284	10113	6	6.12	155.4
Portland, Oreg.	N. 45 32	W. 122 43	3.57 a.m.	67	20	29.87	758 7	29.94	760 5	47.5	8.6	82.8	4	4	2	.....	14	.....	.....	.....	6	3790	6099	7	3.57	90.7
Prescott	N. 34 33	W. 112 28	4.38 a.m.	5389	1642	24.63	625.0	29.90	759.4	35.7	2.1	83.5	2	.....	.....	3	11	.....	.....	2	12	9275	10098	3	1.62	41.1
Red Bluff	N. 40 10	W. 122 15	3.59 a.m.	332	101	29.01	752.1	29.97	761 2	49.4	9.7	88.8	6	10	1	2	7	.....	.....	4	6048	9733	4	4.31	109.5
Rio Grande City	N. 26 22	W. 98 45	5.33 a.m.	230	70	29.74	755.4	29.98	761.5	66.1	18.9	82.9	1	4	.....	.....	1	15	2	5	.....	6734	10837	2	0.93	23.6
Rochester	N. 43 08	W. 77 42	6.57 a.m.	621	189	29.25	742.9	29.94	760.5	37.5	3.1	77.7	2	9	6	5	1	1	2	3	1	8029	12921	7	0.94	23.9
Roseburg	N. 43 13	W. 123 20	3.55 a.m.	511	156	29.41	747.0	29.97	761.2	45.2	7.3	86.1	2	3	.....	2	4	1	6	1	11	2158	3473	3	3.48	88.4
Sacramento	N. 38 35	W. 121 30	4.02 a.m.	64	19	29.91	759.7	29.98	761.5	51.0	10.0	86.9	1	1	.....	5	10	10	2	.....	1	5609	9027	4	4.32	109.7
Saint Louis	N. 38 38	W. 90 12	6.07 a.m.	583	178	29.34	745.2	29.97	761.2	48.3	9.1	79.2	5	4	5	3	1	8	1	3	.....	10160	10351	7	4.15	105.4
Saint Michael, Ft	N. 63 48	W. 162 00	1.20 a.m.	30	9	29.90	761.0	29.99	761.7	20.3	—6.5	91.9	5	.....	.....	3	6	4	4	6	2	9486	15266	6	0.20	6.6
Saint Paul	N. 44 58	W. 93 03	5.56 a.m.	801	244	29.11	739.4	29.99	761.7	39.8	4.3	71.2	7	6	1	1	1	10	1	3	.....	7470	12022	6	2.00	50.8
Saint Vincent	N. 48 56	W. 97 14	5.39 a.m.	804	245	29.20	741.7	30.11	764.8	29.8	—1.2	85.5	7	4	.....	.....	6	3	1	2	7	4755	7652	6	0.80	20.3
Salt Lake City	N. 40 46	W. 111 54	4.40 a.m.	4348	1325	25.52	648.2	29.89	759.2	42.6	5.9	62.4	1	3	.....	1	.....	6	2	3	14	4413	7150	7	2.89	73.4
San Diego	N. 32 43	W. 117 10	4.19 a.m.	67	20	29.93	760.2	30.00	762.0	53.5	11.9	88.4	9	3	1	2	1	1	5	6	2	4779	7076	6	2.84	72.1
Sandusky	N 41 25	W. 82 40	6.37 a.m.	639	195	29.20	743.2	29.96	761.0	41.4	5.2	72.5	5	2	6	3	3	2	4	5	.....	10407	16748	6	1.50	38.1
Sandy Hook	N. 40 28	W. 74 00	7.12 a.m.	28	8	29.85	758.2	29.88	758 9	44.3	6.8	80.9	7	10	3	.....	2	2	3	3	.....	12155	19561	6	3.15	80 0
Sanford	N. 28 48	W. 81 23	6.42 a.m.	50	15	29.95	760.7	30.00	762.0	65.1	18.4	79.2	.....	10	.....	11	3	4	.....	.....	2	5035	8151	3	1.90	48.3
San Francisco	N. 37 48	W. 122 26	3.58 a.m.	60	18	29.92	760.0	29.99	761.7	51.9	11.1	85.7	.....	6	5	9	5	1	.....	.....	4	6033	10675	4	6.33	160.8
Savannah	N. 32 05	W. 81 05	6.44 a.m.	87	26	29.89	759 2	29.98	761.5	59.9	15.5	70.0	2	6	7	7	3	1	2	1	1	5554	8948	4	3.78	96.0
Shaw, Fort	N. 47 31	W. 111 48	4.41 a.m.	3550	1082	26.38	670.0	30.05	763.3	31.6	—0.2	80.0	.....	8	14	4	.....	.....	1	3	.....	5301	8531	4	0.59	15.0
Shreveport	N. 32 30	W. 93 40	5.53 a.m.	227	69	29.76	755 9	30.00	762.0	50.5	13.6	80.5	1	4	1	1	1	7	6	2	4	4848	7802	5	6.60	167.6
Sitka	N. 57 03	W. 135 19	3.07 a m.	63	19	29.90	759.4	29.96	761.0	40.3	4.6	68.3	.....	2	1	1	.....	4	13	7	2	6013	9677	5	2.76	70.1
Smithville	N. 33 55	W. 78 01	6.56 a.m.	34	10	29.90	759.4	29.94	760.5	55.5	13.1	77.7	8	7	4	3	2	1	1	4	.....	7650	12311	5	2.37	60.2
Spokane Falls	N. 47 40	W. 117 25	4.18 a.m.	1910?	582?	27.88	708 1	29.94	760.5	41.1	5.1	82.8	2	.....	.....	7	2	2	3	3	11	2845	4578	4	1.33	33.8
Springfield, Ill	N. 39 48	W. 89 39	6.10 a.m.	644	196	29.28	743.7	29.98	761.5	47.2	8.4	71.5	4	4	5	1	3	4	4	5	.....	7800	12562	7	2.49	63.2
Stockton, Fort	N. 30 53	W. 102 53	5.16 a.m.	3010	917	26.93	684.0	29.96	761.0	48.1	8.9	67.9	.....	7	3	4	3	5	1	1	6	7020	11297	4	0.91	23.1
Tatoosh Id	N. 48 23	W. 124 44	3.49 a.m.	86	26	29.83	757 7	29.92	760.0	47.2	8.4	85.7	.....	.....	.....	8	1	5	11	2	3	7444	11981	6	3.31	84.1
Thomas, Camp	N. 33 04	W. 110 02	4.48 a.m.	2710	826	27.21	691.1	29.94	760.5	42.0	5.6	65.2	....	.....	9	1	1	.....	3	.....	16	.....	.....	2	0.72	18.3
Toledo	N. 41 40	W. 83 34	6.34 a.m.	651	198	29.23	742.4	29.94	760.5	41.2	5.1	72.5	4	5	5	.....	2	2	3	5	4	7182	11558	6	1.57	39.9
Unalashka	N 53 53	W. 166 32	1.02 a.m.	13	4	29.77	756 1	29.79	756.7	34.4	1.3	81.5	1	0	.....	4	10	6	2	1	.....	8915	14347	8	14.00	355.6
Vicksburg	N. 32 22	W. 90 53	6.04 a.m.	244	74	29.75	755.6	30.01	762.2	58.2	14.6	74.4	3	3	2	3	6	6	3	.....	4	4518	7271	6	4.47	113.5
Washington, D.C.	N. 38 54	W. 77 02	7.00 a.m.	106	32	29.83	757.7	29.95	760.7	45.3	7.4	71.6	3	14	.....	2	2	...	.....	6	3	5601	9014	5	1.86	47.2
W. Las Animas	N. 38 04	W. 103 07	5.16 a.m.	3905	1190	25 95	659.1	29.90	759 4	35.2	1.8	73.7	3	5	10	5	.....	4	2	.....	1	7540	12134	4	1.05	26.7
Wilmington	N. 34 14	W. 77 57	6.56 a.m.	52	16	29.89	759.2	29.95	760.7	55.5	13.1	73.3	4	7	3	3	2	.....	4	3	4	4636	7461	5	2.45	62.2
Yankton	N. 42 54	W. 97 28	5.38 a.m.	1228	374	28.67	728.2	30.01	762.2	37.3	2.9	84.5	10	7	1	.....	1	5	3	3	.....	8397	13514	6	5.73	145.5
Yuma *a*	N. 32 45	W. 114 36	4.30 a.m.	141	43	29.76	755.9	29.99	761.7	56.0	13.7	64.3	.....	4	5	5	2	3	1	2	7	4458	7174	2	0.07	1.8
Sub-Series.																												
Behring Island	N. 55 12	E. 165 55	11.12 p.m.	20	6	29.76	755.9	29.78	756.4	29.6	—1.3	92.6	3	4	1	2	6	6	3	5	....	9119	14675	8	1.38	35.1
Bluefields	N. 12 00	W. 83 43	6.31 a.m.	?	?	.....	.....	.....	.....	82.8	28.2	.....	1	14	.....	.....	.....	.....	.....	.....	15	.....	.....	5	2.05	52.3
Bogota	N. 4 36	W. 74 14	7.11 a.m.	8655	2638	22.03	559.5	.....	.....	54.3	12.4	88.0	5	1	2	5	4	1	.....	.....	12	.....	.....	6	5.95	151.1
Chimo, Ft.	N 59 00	W. 68 00	7.36 a m	1260?	387	30.00	793.5	30.21	767.3	17.9	—7.8	96.3	2	4	.....	5	3	1	.....	5	10	4751e	7588e	8	0.84	21.3
Kingston	N. 18 58	W. 76 48	7.01 a.m.	10	3	30.04	763.0	.....	.....	75.5	24.2	81.9	11	.....	.....	.....	.....	.....	1	1	17	2158	3473	3	0.11	2.8
Paramaribo	N. 5 50	W. 55 13	8.27 a.m.	6	2	30.03	762.7	30.03	762 7	78.1	25.6	86.0	.....	.....	.....	.....	1	5	23	1	.....	.....	.....	5	8.73	233.1
Puerto Berrio	N. 6 22	W. 74 28	7.10 a.m.	542	165	29.54?	750.3?	30.10?	764.5?	77.0	25.0	91.0	9	1	.....	2	13	.....	.....	.....	5	.....	.....	8	10.19	258.8
Rivas *a*	N. 11 26	W. 85 47	6.25 a.m.	150	46	29.89?	759 2?	30.05?	763.3?	76.8	24.9	84.6	.....	.....	.....	.....	.....	2	.....	27	.....	.....	.....	3	2.03	51.6
York Factory	N. 57 02	W. 92 26	5.58 a.m.	55	17	30.06	763.5	30.13	765.3	—6.4	-21.3	83 3	5	10	8	5	2	.....	.....	.....	.....	.....	.....	4	0.22	5.6
U. S. COLOMBIA. *Sub-Series.*																												
Colon	N. 9 22	W. 79 55	6.50 a.m.	7	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Naôs	N. 8 55	W. 79 32	6.50 a.m.	39	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

OCEAN SQUARE DATA FOR APRIL, 1884.

Location of Centre of each Square.	Barometer.		Temperature.		Wind Frequency.										Wind force 0–10.
	Inch.	Mill.	Fah.	Cent.	N.	NW.	W.	SW.	S.	SE.	E.	NE.	Calm.	Blank.	
N. 12.5 W. 22.5	29.98	761.5	74.8	23.8	2						7	21			3.9
12.5 27.5	30.00	762.0	74.9	23.8	3						2	25			3.9
12.5 32.5	30.03	762.7	76.4	24.7	2						6	19		3	4.0
12.5 37.5	30.05	763.3	77.4	25.2		1				1	11	14		3	3.8
12.5 42.5	30.05	763.3	77.0	25.0	1						15	11		3	4.2
12.5 47.5	30.06	763.5	77.3	25.2							19	9		2	4.0
12.5 52.5	30.05	763.3	77.4	25.2	1				1		24	4			4.0
17.5 22.5	30.03	762.7	71.1	21.7	7						4	19			3.8
17.5 27.5	30.05	763.3	71.9	22.2	5						8	17			4.0
17.5 32.5	30.08	764.0	74.1	23.4	5					1	14	7		3	4.0
17.5 37.5	30.09	764.3	75.5	24.2	4		1		1	6	10	5		3	3.8
17.5 42.5	30.09	764.3	75.6	24.2	4				1	8	8	5	1	3	3.5
17.5 47.5	30.08	764.0	75.8	24.3	6				3	8	7	4		2	3.7
17.5 52.5	30.06	763.5	76.3	24.6	6		1		3	12	4	4			3.4
17.5 57.5	30.04	763.0	75.4	25.8	3	1			3	5	8	10			3.6
22.5 22.5	30.06	765.5	69.3	20.7	15	2	1			1	3	8			4.0
22.5 27.5	30.09	764.3	69.9	21.1	8	3			1	1	9	7		1	4.4
22.5 32.5	30.11	764.8	72.0	22.2	7	2	3	1	4	3	7	2	1		3.6
22.5 37.5	30.11	764.8	70.1	22.2	4	3	2		8	5	1	5	1	1	3.5
22.5 42.5	30.05	763.3	73.9	23.3	5	2	3	2	8	3	2	4	1		3.5
22.5 47.5	30.06	763.5	74.1	23.4	2	3	6	4	4	6	4	1			3.5
22.5 52.5	30.04	763.0	74.5	23.6	4	6	4	4	8	2		1	1		3.2
22.5 57.5	30.03	762.7	75.1	23.9	2	4	9	1	5	1	2	4	2		3.1
22.5 62.5	30.04	763.0	75.3	24.1	5	4	4	3	4	2	2	2	4		3.5
22.5 67.5	30.04	763.0	75.2	24.0	6	3	3	2	3	3	5	2	3		3.3
22.5 72.5	30.04	763.0	75.4	24.1	4	4	4	2	1	9	3	1	2		3.3
27.5 22.5	30.08	764.0	66.8	19.3	11	6	4		1		5	3			4.4
27.5 27.5	30.10	764.5	67.7	19.8	5	5	4	3	2	2	4	4		1	4.5
27.5 32.5	30.11	764.8	69.3	20.7	7	3	2	8	1	3	5	1			4.4
27.5 37.5	30.09	764.3	70.6	21.4	3	1	3	6	5	2	5	3	2		4.0
27.5 42.5	30.05	763.3	71.1	21.7	1	3	3	7	8	2	4	2			4.6
27.5 47.5	30.02	762.5	71.2	21.8		1	8	7	5	6	3				3.9
27.5 52.5	29.97	761.2	71.4	21.9	1	3	11	6	5	2	2				3.8
27.5 57.5	29.95	760.7	71.8	22.1	3	3	11	5	2	3	1	1	1		3.8
27.5 62.5	29.97	761.2	71.9	22.2	2	7	10	6			2	3			4.3
27.5 67.5	29.99	761.7	71.6	22.0	4	6	11	1	3	2	1	1	1		4.0
27.5 72.5	29.99	761.7	71.7	22.1	4	9	6	4	3	2	2				4.5
27.5 77.5	30.06	763.5	72.6	22.6	6	5	7	2	6	1	1	2			3.0
32.5 12.5	29.96	761.0	62.6	17.0	7	7	10	5				1			4.0
32.5 17.5	30.01	762.2	62.7	17.1	2	5	12	5		1	1	2	2		3.3
32.5 22.5	30.04	763.0	63.6	17.6	5	7	8	3	1		4	2			3.1
32.5 27.5	30.06	763.5	64.8	18.2	3	8	4	4	1	1	5	4			4.6
32.5 32.5	30.06	763.5	66.2	19.0	5	4	4	7		2	7	1			4.7
32.5 37.5	30.05	763.3	67.6	19.8	2	3	4	7	3	1	7	3			5.2
32.5 42.5	30.01	762.2	68.0	20.0	1	2	3	7	0	4	6	1			5.0
32.5 47.5	29.95	760.7	67.5	19.7		2	5	10	3	7	3				4.9
32.5 52.5	29.91	759.7	67.4	19.7	2	2	8	6	7	3		1		1	5.2
32.5 57.5	29.87	758.7	67.5	19.7	2	6	6	6	3	3		3		1	5.1
32.5 62.5	29.86	758.4	67.3	19.6	1	6	13	3	1	3	1	1	1		4.6
32.5 67.5	29.88	758.9	64.2	17.9	1	12	9	4	2		1		1		4.7
32.5 72.5	29.92	760.0	64.3	17.9	5	10	6	4	3			2			5.2
32.5 77.5	29.95	760.7	60.8	16.0	8	8	3	3	2	1	4	1			4.4
37.5 12.5	29.85	758.2	60.2	15.7	6	7	7	8	2						4.8
37.5 17.5	29.90	759.4	59.2	15.1	10	10	5	4	1						4.9
37.5 22.5	29.96	761.0	60.1	15.6	9	9	5	3			1	3			4.2
37.5 27.5	30.00	762.0	61.3	16.3	8	5	3	3	2	1	4	4			3.8
37.5 32.5	30.00	762.0	62.6	17.0	3	4	5	5	2	1	6	4			4.6
37.5 37.5	30.00	762.0	63.4	17.4	2	3	3	6	3	2	7	4			5.0
37.5 42.5	29.97	761.2	63.4	17.4	3	3	2	7	2	10	1	1	1		4.9
37.5 47.5	29.91	759.7	61.9	16.6	2	2	2	8	4	7	4	1			5.2
37.5 52.5	29.83	757.7	61.5	16.4	1	4	3	7	9	3	1	2			5.2
37.5 57.5	29.70	755.9	61.2	16.2	3	4	5	6	5	4	1	1	1		5.3
37.5 62.5	29.72	754.9	59.0	15.0	5	7	4	3	5	5		1			4.8
37.5 67.5	29.74	755.4	58.8	14.9	7	8	3	2	2	2	1	3	2		4.6
37.5 72.5	29.85	758.2	59.8	10.4	13	6		2	1	1	2	5			5.1
42.5 12.5	29.75	755.6	56.3	13.5	4	6	6	4	2		2	5	1		4.2
42.5 17.5	29.83	757.7	56.4	13.6	7	8	3	4			2	6			5.1
42.5 22.5	29.59	759.2	56.9	13.8	5	12	3	2		1	1	6			5.2
42.5 27.5	29.95	760.7	57.7	14.3	7	8	3	3	1		3	4		1	4.9
42.5 32.5	29.95	760.7	58.3	14.6	7	4	3	5	2	2	2	5			4.5
42.5 37.5	29.94	760.5	59.3	15.2	4	2	1	6	6	5	2	3	1		4.9
42.5 42.5	29.88	758.9	58.5	14.7		3	2	2	10	5	3	5			5.3
42.5 47.5	29.86	758.4	53.1	11.7	2	1	3	2	12	3	3	3	1		4.5
42.5 52.5	29.80	756.9	50.3	10.2	4	1		2	10	9	2	2			4.8
42.5 57.5	29.73	755.1	48.5	9.2	6	5	2	1	7	5	4				4.8
42.5 62.5	29.69	754.1	45.7	7.6	5	6	1		2	8	3	5			4.5
42.5 67.5	29.74	755.4	42.4	5.8	8	8			3	2	5	4			4.5
47.5 12.5	29.75	755.6	53.1	11.7	2	4	2	4	4	3	5	6			5.0
47.5 17.5	29.79	756.7	53.3	11.8	7	7	3	1	2	1	2	7			4.8
47.5 22.5	29.84	757.9	52.9	11.6	4	12	1	1	3	2	2	4	1		5.0
47.5 27.5	29.87	758.7	53.1	11.7	11	5	3	1	3	4	1	1	1		4.6
47.5 32.5	29.92	760.0	52.4	11.3	11	6	3	2	3	3	2				4.5
47.5 37.5	29.91	759.7	52.9	11.6	6	4	4	2	4	6	3	1			4.7
47.5 42.5	29.88	758.9	51.0	10.6	5	3	1	6	3	6	3	2		1	4.9
47.5 47.5	29.87	758.7	44.9	7.2	3	7	1	7	1	6	3	2			4.7
52.5 12.5	29.78	756.4	50.4	10.2	6	1	3		7	5	5	3			4.8
52.5 17.5	29.78	756.4	49.7	9.8	3	4	4	2	4	4	1	7	1		4.6
52.5 22.5	29.82	757.4	49.2	9.6	6	4	3	2	4	3	1	6	1		4.7
52.5 27.5	29.85	758.2	47.7	8.7	5	8	5		3	5		4			5.2
52.5 32.5	29.86	758.4	47.3	8.5	7	6	7		5	4	1				5.1
52.5 37.5	29.86	758.4	46.6	8.1	3	7	4	3	3	3	4	2	1		5.2
52.5 42.5	29.85	758.2	45.2	7.3	1	5	3	5	2	7	3	4			5.3
52.5 47.5	29.87	758.7	40.8	4.9	8	3	3	5		3	5	3			5.4
57.5 12.5	29.82	757.4	47.2	8.4	2	1	4	3	6	5	3	6			4.7
57.5 17.5	29.82	757.4	46.0	7.8		3	5	5	2	5	3	7			5.0
57.5 22.5	29.82	757.4	44.5	6.9	1	5	6	4	1	5		8			5.4
57.5 27.5	29.83	757.7	43.0	6.1	1	8	4	3	2	5	1	6			5.6
57.5 32.5	29.83	757.7	41.3	5.2	2	7	5	2	2	6	1	5			5.4
57.5 37.5	29.83	757.7	39.9	4.4	5	5	3	4	1	4	4	4			5.4
57.5 42.5	29.84	757.9	38.8	3.8	6	6	2	3	2	3	2	5	1		5.5
57.5 47.5	29.88	758.9	36.8	2.7	8	6	4		1	2	3	2	4		4.9

SAINT PAUL DE LOANDO, BENGUELA (S. 8° 49′, E. 13° 07′).

DATE.	Barometer. Corrected for instrumental error and temperature. Inch.	Barometer. Corrected for instrumental error and temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative Humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles per hour	Wind. Velocity. Metrs p sec.	Wind. Force 0-10	Clouds. Amount. Upper. 0-10	Clouds. Amount. Lower. 0-10	Clouds. Direction. Up'er From	Clouds. Direction. Lo'er From	Rainfall in past 24 hours. Inch.	Rainfall in past 24 hours. Mill.	WEATHER.
1884.																		
March 1	29.64	752.8	29.84	757.8	83.1	28.4	91	nw.			3		6	sse.		0	0	
2	29.63	752.5	29.82	757.5	82.8	28.2	88	w.			4		4	sse.		0	0	
3	29.68	753.9	29.88	758.9	80.6	27.0	98	nnw.			3		10			0	0	
4	29.65	753.1	29.85	758.2	78.8	26.0	99	wnw.			4		10			0	0	
5	29.63	752.7	29.84	757.8	81.3	27.4	97	w.			4		10			0	0	
6	29.65	753.1	29.85	758.1	83.3	28.5	92	nw.			3		10			0	0	
7	29.62	752.4	29.82	757.5	80.6	27.0	96	w.			4		10			0	0	
8	29.69	754.0	29.89	759.1	80.2	26.8	99	w.			4		10			0	0	
9	29.62	752.3	29.82	757.4	80.6	27.0	97	wnw.			3		5	sse.		0	0	
10	29.64	752.9	29.84	758.0	82.2	27.9	96	nw.			2		10			0	0	
11	29.63	752.6	29.83	757.6	79.7	26.5	96	wnw.			3		10			0	0	
12	29.69	754.0	29.89	759.1	80.6	27.0	98	wnw.			2		10			0	0	
13	29.69	754.1	29.89	759.1	81.3	27.4	74	nne.			2		9			0	0	
14	29.71	754.6	29.91	759.7	82.4	28.0	94	nw.			2		5	se.		0	0	
15	29.72	754.8	29.92	759.9	83.8	28.8	71	nnw.			2		8	se.		0	0	
16	29.66	753.4	29.86	758.5	83.1	28.4	86	wnw.			4		4	se.		0	0	
17	29.64	752 9	29.84	757.9	81.3	27.4	90	nw.			3		9			0	0	
18	29.65	753.0	29.84	758.0	82.4	28.0	91	wnw.			4		6	sse.		0	0	
19	29.68	753.8	29.88	758.9	80.2	26.8	100	wnw.			3		7			0	0	
20	29.68	753.9	29.88	758.9	83.1	28.4	98	wnw.			3		3	se.		0	0	
21	29.65	753.2	29.85	758.3	80.4	26.9	94	wnw.			4		3	s.		0	0	
22	29.60	751.7	29.79	756.7	80.6	27.0	93	wnw.			4		2	s.		0.165	4.2	
23	29.63	752.5	29.83	757.6	73.4	25.8	83	nw.			3		10			0	0	
24	29.59	751.6	29.79	756.7	80.6	27.0	95	wnw.			3		2	s.		0	0	
25	29.64	752.9	29.84	758.0	80.6	27.0	87	ene.			2		10			0	0	
26	29.61	752.2	29.81	7 7.2	83.7	28.7	94	nne.			3		4	s.		0	0	
27	29.57	751.0	29.76	756.0	83.7	28.7	92	w.			4		9	se.		0	0	
28	29.61	752.2	29.81	757.2	83.1	28.4	93	wnw.			4		4	s.		0	0	
29	29.63	752.5	29.83	757.6	82.0	27.8	95	nnw.			3		3	s.		0	0	
30	29.61	752.2	29.82	757.3	80.4	26.9	100	wnw.			4		7			0	0	
31	29.63	752.7	29.84	757.8	84.9	29.4	94	nnw.			3		7			0	0	
Mean	29.65	753.0	29.84	758.0	81.7	27.6	92.6				3.2		7.0			0.165	4.2	
April 1	29.66	753.3	29.85	758.3	81.9	27.7	84	w.			4		10			0.035	0.9	
2	29.67	753.5	29.86	758.5	82.4	28.0	92	nnw.			3		7			0	0	
3	29.68	753.9	29.88	759.0	82.9	28.3	89	nne.			2		10			0	0	
4	29.67	753.7	29.87	758.7	86.0	30.0	95	nnw.			3		10			0	0	
5	29.66	753.3	29.85	758.3	83.7	28.7	92	wnw.			4		7			0	0	
6	29.71	754.7	29.91	759.7	84.2	29.0	90	wnw.			3		7			0	0	
7	29.69	754.2	29.89	759.3	83.5	28.6	93	nne.			3		8			0	0	
8	29.70	754.3	29.90	759.4	83.3	28.5	92	nnw.			3		3	sse.		0	0	
9	29.69	754.1	29.89	759.2	81.1	27.3	99	nw.			3		5	se.		0	0	
10	29.68	753.8	29.87	758.8	84.9	29.4	89	nw.			3		3	s.		0	0	
11	29.67	753.7	29.87	758.7	85.1	29.5	88	nw.			3		3	s.		0	0	
12	29.67	753 7	29.87	758 7	85.3	29.6	92	wnw.			3		4	sse.		0	0	
13	29.64	752.9	29.84	757.9	84.9	29.4	91	wnw.			3		4	sse.		0	0	
14	29.69	754.2	29.89	759.2	80.6	27.0	99	nnw.			3		9			0.008	0.2	
15	29.67	753.5	29.87	758.6	81.3	27.4	100	nnw.			3		9			0	0	
16	29.66	753.4	29.86	758.5	82.4	28.0	99	nnw.			3		3	sse.		0	0	
17	29.65	753.2	29.85	758.2	86.4	30.2	87	nw.			3		3			0	0	
18	29.63	752.6	29.83	757.7	85.1	29.5	72	nw.			3		4			0	0	
19	29.60	751.9	29.80	756.8	86.0	30.0	74	nw.			3		3			0	0	
20	29.60	751.9	29.80	756 9	86.0	30.0	76	nw.			3		4	s.		0	0	
21	29.59	751.6	29.79	756.6	83.3	28.5	88	wnw.			4		5	sse.		0	0	
22	29.65	753.2	29.85	758.2	83.3	28.5	95	w.			4		6			0.028	0.7	
23	29.68	753.8	29.88	758.9	82.4	28.0	98	w.			4		9			0	0	
24	29.66	753.3	29.85	758.3	83.8	28.8	89	wnw.			3		5	sse.		0	0	
25	29.67	753.5	29.87	758.6	74.1	23.4	100	nw.			1		10			1.000	25.4	
26	29.66	753.3	29.86	758.4	82.4	28.0	100	nw.			3		6			0	0	
27	29.66	753.4	29.86	758.5	82.4	28.0	99	nw.			3		7			0	0	
28	29.64	752.8	29.84	757.9	81.0	27.2	95	nw.			3		8			0	0	
29	29.63	752.5	29.82	757.5	83.5	28.6	91	wnw.			3		6			0	0	
30	29.67	753.5	29.87	758.6	77.4	25.2	92				3		9			1.311	33.3	
Mean	29.66	753.4	29.86	758.4	82.9	28.3	91.0				3.1		6.2			2.382	60.5	
May 1	29.66	753.4	29.86	758.5	77.2	25.1	97	nw.			2		10			0.012	0.3	
2	29.67	753.6	29.87	758.0	83.8	28.8	89	ssw.			2		6			0.004	0.1	
3	29.65	753.2	29.85	758.3	77.0	25.0	97	wnw.			3		5	sse.		0	0	
4	29.69	754.1	29.89	759.1	81.0	27.2	87	nnw.			3		3	s.		0	0	
5	29.69	754.0	29.89	759.1	79.2	26.2	98	wnw.			3		4	se.		0	0	
6	29.71	754.7	29.91	759.8	82.4	28.0	95	nne.			2		8			0	0	
7	29.69	754.0	29.89	759.1	81.3	27.4	90	nw.			3		4	s.		0	0	
8	29.65	753.1	29.85	758.2	77.4	25.2	97	nw.			2		0			0	0	
9	29.68	753.8	29.88	758.9	81.1	27.3	89	wnw.			4		2	e.		0	0	
10	29.67	753.6	29.87	758.7	77.9	25.5	96	nnw			3		1	s.		0	0	
11	29.69	754.0	29.89	759.1	76.1	24.5	100	nne.			3		1	ne.		0	0	
12	29.71	754.5	29.91	759.6	80.4	26.9	93	nw.			3		0			0	0	
13	29.71	754.7	29.91	759.8	76.5	24.7	97	n.			2		0			0	0	
14	29.72	754.9	29.92	760 0	76.8	24.9	98	nw.			3		1	s.		0	0	
15	29.74	755.4	29.94	760.5	76.5	24.7	98	nnw.			3		2	se.		0	0	
16	29.75	755.7	29.95	760.8	73.4	23.0	100	n.			2		8			0	0	
17	29.69	754.2	29.89	759.3	75.2	24.0	98	nw.			3		0			0	0	
18	29.69	754.2	29.89	759.3	74.7	23.7	99	nw.			3		0			0	0	
19	29.70	754.3	29.90	759.4	74.8	23.8	99	nnw.			3		0			0	0	
20	29.70	754.3	29.90	759.4	73.4	23.0	100	n.			3		3	s.		0	0	
21	29.71	754.6	29.91	759.7	77.7	25.4	97	nw.			3		6			0	0	
22	29.69	754.2	29.89	759.3	79.2	26.2	90	nw.			3		3	sse.		0	0	
23	29.73	755.1	29.93	760.2	80.2	26.8	91	nnw.			2		2	se.		0	0	
24	29.74	755.3	29.94	760.4	80.4	26.9	92	nnw.			2		0			0	0	
25	29.74	755 4	29.94	760.5	78.8	26.0	96	nw.			3		0			0	0	
26	29.78	756.3	29.98	761.4	76.3	24.6	98	nw.			4		1	w.		0	0	
27	29.84	757.9	30.04	763 0	76.0	24.8	72	nnw.			1		10			0	0	
28	29.80	756.8	30.00	761.9	75.2	24.0	67	wnw.			4		2	se.		0	0	
29	29.78	756.5	29.99	761.7	73.4	23.0	78	nw.			3		10			0	0	
30	29.72	754.8	29.92	759.9	77.0	25.0	73	nw.			3		4	se.		0	0	
31	29.76	755.8	29.96	760.9	76.8	24.9	84	nnw.			2		5	s.		0	0	
Mean	29.71	754.7	29.91	759.8	77.7	25.4	89.7				2.7		3.3			0.016	0.4	

ANGRA, AZORES (N. 38° 39′, W. 27° 14′).

DATE.	Barometer. Corrected for instrumental error and temperature. Inch.	Barometer. Corrected for instrumental error and temperature. Mill.	Barometer. Reduced to sea-level. Inch.	Barometer. Reduced to sea-level. Mill.	Temperature of the air. Fah.	Temperature of the air. Cent.	Relative Humidity. Per cent.	Wind. Direction. From.	Wind. Velocity. Miles perhour	Wind. Velocity. Metrs pr sec.	Wind. Force 0–10	Clouds. Amount. Upper. 0–10	Clouds. Amount. Lower. 0–10	Clouds. Direction. Up'er From	Clouds. Direction. Lo'er From	Rainfall or melted snow in past 24 hours. Inch.	Rainfall or melted snow in past 24 hours. Mill.	WEATHER.
1884.																		
March 1					58.8	14.9	70	n.	8.7	3.9			3			0.157	4.0	
2					63.0	17.2	92	nw.	5.6	2.5			5			0.079	2.0	
3					60.3	15.7	93	w.	5.6	2.5			8			0	0	
4					57.6	14.2	80	wsw.	4.3	1.9			4			0.709	18.0	
5					62.2	16.8	92	w.	8.7	3.9			3			0.091	2.3	
6					63.7	17.6	86	nw.	6.9	3.1			3			0	0	
7					56.1	13.4	71	nne.	11.2	5.0			1			0	0	
8					59.4	15.2	85	w.	8.7	3.9			2			0	0	
9					59.7	15.4	81	nnw.	17.4	7.8			6			0	0	
10					54.7	12.6	86	n.	11.2	5.0			4			1.142	29.0	
11					51.3	12.4	70	nw.	11.2	5.0			3			0.059	1.5	
12					58.6	14.8	80	ssw.	23.7	10.6			10			0	0	
13					53.1	11.7	88	wnw.	13.6	6.1			6			0	0	
14					54.3	12.4	79	w.	14.3	6.4			5			0	0	
15					54.3	12.4	70	nnw.	13.0	5.8			6			0.334	9.0	
16					54.7	12.6	74	nw.	10.5	4.7			4			0.079	2.0	
17					59.0	15.0	80	wnw.	3.1	1.4			3			0	0	
18					60.4	15.8	87	w.	13.0	5.8			3			0	0	
19					59.7	15.4	73	e.	11.2	5.0			4			0	0	
20					59.0	15.0	91	se.	12.5	5.6			6			0	0	
21					60.3	15.7	91	s.	8.7	3.9			5			0	0	
22					59.4	15.2	89	s.	5.6	2.5			4			0.138	3.5	
23					59.9	15.5	83	sw.	4.9	2.			5			0.079	2.0	
24					57.9	14.4	82	ene.	9.4	4.2			4			0.126	3.2	
25					58.3	14.6	60	ese.	13.0	5.8			2			0	0	
26					57.2	14.0	69	e.	5.6	2.5			3			0	0	
27					57.0	13.9	78	n.	4.9	2.2			3			0	0	
28					58.8	14.9	85	nw.	11.2	5.0			4			0	0	
29					59.4	15.2	73	ne.	4.9	2.2			2			0	0	
30					59.0	15.0	66	n.	11.9	5.3			3			0	0	
31					57.0	13.9	76	wnw.	9.4	4.2			3			0	0	
Mean					58.3	14.6	80.0		9.6	4.3			4.2			3.013	76.5	
April 1					59.4	15.2	76	nw.	8.7	3.9			9			0.512	13.0	
2					57.9	14.4	72	nne.	4.3	1.9			4			0.157	4.0	
3					57.7	14.3	95	w.	3.1	1.4			10			0.453	11.5	
4					56.8	13.8	71	ne.	16.1	7.2			4			0.236	6.0	
5					56.5	13.6	73	nw.	11.2	5.0			6			0	0	
6					59.4	15.2	91	ssw.	6.9	3.1			9			0	0	
7					60.8	16.0	91	sw.	13.0	5.8			6			0.496	12.6	
8					61.5	16.4	89	w.	5.6	2.5			6			0.079	2.0	
9					58.3	14.6	91	w.	16.8	7.5			8			0.118	3.0	
10					56.5	13.6	89	nw.	17.4	7.8			4			0.339	8.6	
11					55.9	13.3	71	nw.	11.2	5.0			5			0.118	3.0	
12					62.1	16.7	87	nnw.	4.9	2.2			3	se.		0	0	
13					60.8	16.0	91	s.	11.9	5.3			0			0	0	
14					59.0	15.0	89	nw.	2.5	1.1			4			0.315	8.5	
15					59.7	15.4	83	n.	12.5	5.6			7			0	0	
16					60.1	15.6	73	ene.	11.2	5.0			3			0.236	6.0	
17					56.7	13.7	67	nne.	8.1	3.6			5			0	0	
18					58.8	14.9	76	ne.	7.4	3.3			3			0	0	
19					55.8	13.2	65	e.	16.8	7.5			7			0.339	8.6	
20					54.3	12.4	74	e.	28.0	12.5			10			0.256	6.5	
21					57.7	14.3	80	ne.	11.2	5.0			4	ese.		2.441	62.0	
22					54.0	12.2	88	nne.	5.6	2.5			5			0.157	4.0	
23					57.9	14.4	70	ne.	5.6	2.5			3			0	0	
24					59.4	15.2	76	nne.	9.4	4.2			3			0	0	
25					57.4	14.1	61	ese.	8.7	3.9			4			0	0	
26					58.5	14.7	72	ese.	15.4	6.9			6			0	0	
27					59.2	15.1	72	se.	19.9	8.9			6			0	0	
28					60.3	15.7	73	ene.	13.0	5.8			4			0	0	
29					62.2	16.8	75	nne.	13.6	6.1			3			0	0	
30					62.6	17.0	81	se.	4.3	1.9			4			0	0	
Mean					58.6	14.8	78.7		10.7	4.8			5.4			6.272	159.3	

SAN SALVADOR, CONGO (S. 6° 17′, E. 14° 53′).

1884.																		
April 1	28.00	711.1	29.80	757.0	84.7	29.3	63	calm			0		5			0	0	
2	28.03	712.0	29.84	757.9	84.4	29.1	62	sw.			2		6			0.752	19.1	
3	28.04	712.2	29.85	758.3	82.2	27.9	66	ne.			1		7			0	0	
4	28.04	712.2	29.85	758.2	84.0	28.9	67	wsw.			1		6			0	0	
5	28.06	712.6	29.87	758.8	81.5	27.5	71	w.			1		4			0.984	25.0	
6	28.07	712.9	29.87	758.7	85.5	29.7	58	sw.			1		2			0.551	14.0	
7	28.07	713.0	29.88	759.0	84.4	29.1	56	calm			0		6			0	0	
8	28.06	712.6	29.87	758.8	81.9	27.7	67	nw.			1		9			0	0	
9	28.05	712.5	29.86	758.5	83.3	28.5	62	wsw.			1		7			0	0	
10	28.04	712.1	29.84	757.8	87.1	30.6	52	wsw.			1		3			0	0	
11	28.05	712.5	29.87	757.7	82.2	27.9	63	wsw.			1		5			0	0	
12	28.03	712.0	29.84	757.8	86.2	30.1	50	sw.			1		1			0	0	
13	28.03	711.9	29.84	757.8	83.7	28.7	61	sw.			1		8			0	0	
14	28.10	713.8	29.97	761.1	69.6	20.9	97	sw.			2		10			0.945	24.0	Light rain.
15	28.04	712.3	29.85	758.3	84.6	29.2	62	w.			1		7			0	0	
16	28.06	712.7	29.88	758.9	81.7	27.6	63	w.			1		10			0	0	
17	28.03	712.0	29.85	758.2	81.5	27.5	64	sw.			1		9			0	0	
18	27.99	710.9	29.80	756.8	84.0	28.9	60	w.			3		6			0	0	
19	27.96	710.1	29.75	755.7	86.9	30.5	55	sw.			3		6			0	0	
20	27.98	710.6	29.79	756.7	81.3	27.4	70	sw.			2		10			0.921	23.4	
21	27.97	710.5	29.78	756.5	82.6	28.1	66	sw.			1		9			0	0	
22	28.02	711.8	29.83	757.6	85.6	29.8	57	s.			1		6			0	0	
23	28.05	712.5	29.86	758.4	84.2	29.0	58	se			1		5			0	0	
24	28.02	711.8	29.84	757.9	83.3	28.5	65	sw.			1		6			1.701	43.2	
25	28.02	711.6	29.84	757.8	80.4	26.9	66	w			2		9			0.866	22.0	
26	28.03	711.9	29.85	758.2	80.1	26.7	67	ese.			1		8			1.118	28.4	
27	28.02	711.8	29.84	758.0	81.1	27.3	64	calm			0		8			0	0	
28	28.00	711.1	29.80	757.0	85.1	29.5	60	nw.			4		5			0	0	
29	27.97	710.5	29.76	756.0	87.6	30.9	50	calm			0		5			0.276	7.0	
30	28.00	711.3	29.81	757.2	84.4	29.1	61	nw.			1		3			0.496	12.6	
Mean	28.03	711.9	29.84	757.9	83.1	28.4	62.8				1.2		6.4			8.610	218.7	
May 1	28.06	711.8	29.90	759.5	75.7	24.3	86	calm			0		10			0.409	10.4	
2	28.04	712.2	29.85	758.1	85.5	29.7	61	calm			0		6			0	0	

NOTE.—The above observations, taken at 7 a. m., Washington time, were received too late for publication in the DAILY BULLETIN, and are given here in full; for continuation of the same, see DAILY BULLETIN.

REVIEW.

INTERNATIONAL METEOROLOGY FOR APRIL, 1884.

[*Pressure expressed in inches and millimetres; temperature in degrees, Fahrenheit and Centigrade; wind-force by scale of* 0–10.]

The following description refers to chart ii. for the month of April, 1884, issued with this SUMMARY. This chart continues the series of international charts begun in January, 1877, and exhibits the mean pressure, mean temperature, and prevailing wind-direction over the northern hemisphere, as determined from one observation taken simultaneously each day at 7 a. m., Washington, or 0 h. 8 m. p. m., Greenwich, mean time.

Three prominent areas of barometric minima appear on the chart; the first is enclosed by the isobar for 29.7 (754.4), and occupies northern and central Hindostan; the second is a large area, enclosed by the isobar for 29.8 (756.9, which covers southern and central Europe and the Mediterranean, extending from the western shores of the Black Sea westward to the twentieth meridian west of Greenwich; at the centre of this area the mean pressure is 29.7 (754.4). The third area, 29.8 (756.9), is situated over the Atlantic ocean between W. 50° and 70° and N. 35° and 45°, including within its limits Nova Scotia and Maine. In the United States the mean pressure is least in Colorado, Utah, Arizona and New Mexico; where the means range from 29.85 (758.2) to 29.9 (759.4). In all other parts of the United States, excepting the south Pacific coast region, the extreme northwest, Missouri valley, upper lake region, Florida, and the east Gulf states, the mean pressure is less than 30.0 (762.0). In the districts above named the means ranged from 30.0 (762.0) to 30.05 (763.2). Over the Atlantic ocean north of a line running from Bermuda to the Azores, the mean pressure was less than 30.0 (762.0). Over the British Isles and the European countries lying between the fiftieth parallel and the Baltic, the mean pressure ranged from 29.8 (756.9) to 29.9 (759.4); in northwestern and central Russia it was above 30.0 (762.0); in other parts of that empire it was below 30.0 (762.0).

Three areas of high barometer, each of which is indicated by the isobar for 30.1 (764.5), are shown on the chart. The first of these occupies that part of Siberia lying between N. 50° and 60°, and E. 80° and 100°, the highest mean being 30.15 (765.8) at Semipalatinsk. The second area is situated over the Atlantic between the parallels of 20° and 30° north, and the meridians of 25° and 40° west. The third area occupies Manitoba and the Hudson Bay region, the highest means being 30.21 (767.3) at Fort Chimo, northern Labrador, and 30.13 (765.3), at York Factory.

Compared with the chart for the preceding month (March, 1884), there has been a decrease of pressure throughout the United States except on the Pacific coast and in northern Minnesota; the decrease averages .10 inch. There has also been a decrease in eastern Canada. Over the entire continent of Europe the pressure is less than in the preceding month, the differences being least in the British Isles and the northern peninsulas, and greatest in the Iberian peninsula, Russia, Italy, Austria and France, where the decrease averages .23 inch. Over the Atlantic ocean from the coast of the United States eastward to W. 50° there has been a decrease of pressure; over the region north of the fortieth parallel and between W. 50° and the European coast there has been an increase; in other parts of the Atlantic, south of 40° N. the pressure has decreased. Throughout Asia there has been a general decrease of pressure.

Compared with the corresponding month of previous years, the mean atmospheric pressure in the United States was slightly above normal in the northern districts of the country and on the eastern slope of the Rocky mountains; in all other parts of the country it was below the normal value, the deficiency being greatest along the Atlantic coast districts where it amounted to about .12 inch; in Canada it was below normal. In Europe the mean pressure was less than the normal in all countries except Russia and the northern peninsulas. In British India it was about normal.

The following table shows the mean pressure and mean temperature for April, 1884, in the several countries of the eastern hemisphere, and the departures as compared with the means determined from observations taken during the last seven years.

Countries.	Mean pressure.			Mean temperature.		
	April mean of 7 (1877–'83) years.	April 1884.	Departure.	April mean of 7 (1877–'83) years.	April 1884.	Departure.
				°	°	°
Algeria	29.98	29.88	— 0.10	67.0	68.7	+ 1.7
Austro-Hungary	29.83	29.76	— 0.07	55.6	53.3	— 2.3
British Isles	29.84	29.83	— 0.01	50.2	49.3	— 0.9
Denmark	29.91	29.92	+ 0.01	45.6	45.3	— 0.3
France	29.85	29.76	— 0.09	57.0	55.1	— 1.9
Germany	29.90	29.83	— 0.07	50.5	49.3	— 1.2
India*	29.72	29.73	+ 0.01	90.1	91.3	+ 1.2
Italy	29.86	29.75	— 0.11	61.2	61.3	+ 0.1
Norway	29.92	29.97	+ 0.05	43.8	45.6	+ 1.8
Portugal	29.98	30.01	— 0.17	60.8	60.6	— 0.2
Russia	29.94	29.96	+ 0.02	47.0	43.2	— 3.8
Spain	29.92	29.79	— 0.13	60.6	56.4	— 4.2
Sweden	29.94	30.05	+ 0.11	39.7	40.5	+ 0.8

* Means of six years only.

The accompanying table shows the deviations in pressure and temperature at isolated stations during the month of April, 1884, as compared with the means for seven years:

Stations.	Mean pressure.			Mean temperature.		
	Apr. mean of 7 (1877–'83) years.	April 1884.	Departure.	Apr. mean of 7 (1877–'83) years.	April 1884.	Departure.
				°	°	°
Astrakhan, Russia	29.96	29.93	— 0.03	55.6	55.0	— 0.6
Archangel, Russia	29.95	29.97	+ 0.02	33.9	28.9	— 5.0
Angra, Azores†	30.08	.....	.....	60.8	58.6	— 2.2
Athens, Greece	29.90	29.82	— 0.08	66.5	69.6	+ 3.1
Beirut, Turkey in Asia	29.91	29.88	— 0.03	69.7	70.0	+ 0.3
Barnaul, Siberia, Asia	30.09	30.14	+ 0.05	37.3	32.4	— 4.9
Bridgetown, Barbadoes	30.02	30.01	— 0.01	82.8	81.7	— 1.1
Cape Town, Cape of Good Hope*	30.06	.....	.....	71.6	70.3	— 1.3
Cagliari, Sardinia, Italy	29.85	.....	.....	63.7	.....	.....
Ekaterinburg, Russia	30.00	29.97	— 0.03	40.9	34.9	— 6.0
Fort Napier, Natal, South Africa	29.91	29.96	+ 0.05	75.5	73.0	— 2.5
Freetown, Sierra Leone	29.88	29.84	— 0.04	87.2	84.6	— 2.6
Funchal, Madeira Islands	30.13	30.00	— 0.13	65.1	63.0	— 2.1
Gibraltar	30.00	29.89	— 0.11	65.7	61.8	— 3.9
Godthaab, Greenland	29.81	29.89	+ 0.08	27.8	26.6	— 1.2
Havana, Cuba, W. I.	30.02	30.04	+ 0.02	75.4	71.9	— 3.5
Malta, Mediterranean Sea	29.88	29.78	— 0.10	63.3	64.7	+ 1.4
Mauritius, Indian Ocean	30.00	29.94	— 0.06	79.1	78.2	— 0.9
Melbourne, New South Wales	30.12	30.16	+ 0.04	58.0	57.3	— 0.7
Mexico, Mexico	.....	.....	.....	.....	.....	.....
Nassau, Bahamas, W. I.	30.07	30.06	— 0.01	76.5	74.3	— 2.2
Nikolaevsk on the Amoor, Asia	.....	.....	.....	23.6	22.5	— 1.1
Paramaribo, D. Guiana, S. A	30.01	30.03	+ 0.02	80.1	78.1	— 2.0
Pekin, China	29.99	29.96	— 0.03	57.1	57.0	— 0.1
Ponta Delgado, Azores	30.11	30.00	— 0.11	63.4	60.5	— 2.8
Sandwick Manse, Orkney Islands	29.90	29.89	— 0.01	44.9	46.0	+ 1.1
San Juan de Puerto Rico, W. I.	30.04	30.05	+ 0.01	77.4	74.8	— 2.6
Stykkisholm, Iceland	29.80	29.84	+ 0.04	33.4	39.0	+ 5.6
Tashkend, Toorkistan, Asia	29.97	29.89	— 0.08	85.8	69.1	+ 3.3
Thorshavn, Faröe Islands	29.89	29.91	+ 0.02	43.6	46.2	+ 2.6
Tiflis, Russia	29.89	29.85	— 0.04	62.4	61.9	— 0.5
Tokei, Japan	30.04	30.02	— 0.02	52.9	52.2	— 0.7
Yeniseisk, Siberia, Asia	30.05	30.13	+ 0.08	32.5	25.0	— 7.5
York Factory, B. A	30.09	30.13	+ 0.04	8.3	—6.4	—14.7
Zi-Ka-Wei, China	30.04	30.06	+ 0.02	54.6	53.1	— 1.5

* Means for six years only. † Mean for five years only.

The following are some of the extreme mean temperatures reported at isolated stations:

Highest.	Fahr.	Cent.	Lowest.	Fahr.	Cent.
	°	°		°	°
Cairo, Egypt	85.1	29.5	York Factory, B. A.	— 6.4	—21.3
Freetown, Sierra Leone	84.6	29.2	Upernavik, Greenland	5.6	—14.7
Bluefields, Nicaragua, C. A.	82.8	28.2	Fort Chimo, B. A	17.9	— 7.8
Manila, Philippine Islands	82.0	27.8	Nikolaevsk on the Amoor, Asia	22.5	— 5.3
Bridgetown, Barbadoes, W. I.	81.7	27.6	Yeniseisk, Siberia	25.0	— 3.9

The mean temperature of the air was below the normal in all parts of the United States except New England, the north Pacific coast district, and Idaho; in those districts it was slightly above the normal. In Canada the temperature was above the normal. In Europe it was below the normal except in Italy and the Scandinavian peninsula; in the former it was normal and in the latter it was slightly above normal. In

British India it was 1°.2 above the six years' mean; the highest monthly mean temperature reported was 99°.1 Fahr. (37°.3 Cent.), at Nagpur, and the lowest was 74°.1 Fahr. (23°.4 Cent.), at Sibsagar.

In the United States the prevailing winds were mostly northwesterly and northerly except along the Gulf coast and in the Pacific districts, where they were southerly; in Canada they were mostly from west to north and northeast. Over the Atlantic they were as follows: from the coast of the United States eastward to W. 50°, and between N. 20° and 40°, northwesterly and westerly; between W. 50° and 30° and N. 20° and 45° they were southerly and southwesterly; from W. 30° to the European and African coasts they were northwesterly and northerly, between N. 25° and 45°. North of the forty-fifth parallel they were mostly northwesterly, and south of the twentieth parallel they were easterly and northeasterly. In northern and central Europe the winds were principally from east and northeast; in the southern peninsulas they were southwesterly.

During April, 1884, the rainfall in the United States was in excess of the average on the Pacific coast, on the eastern slope of the Rocky mountains, in the Missouri valley, Gulf states, and in New England; in the other parts of the country it was less than the average; in Canada it exceeded the average. In northern Europe the rainfall was somewhat less than the average; in the southern districts it was slightly above the average.

STORM-TRACKS FOR APRIL, 1884.

Chart iii. for April, 1884, shows the paths of the depressions which have appeared in the northern hemisphere during that month. The data are charted for each day of the month on the maps accompanying each issue of the "International Bulletin," and from these charts, together with abstracts of ship's logs and other miscellaneous data on file at this office, are traced the movements of the centres of barometric minima. This chart continues the series of international charts begun in November, 1877.

The paths of forty-one depressions are shown on the chart, and are distributed geographically, as follows: Nine are traced over the United States and Canada; of this number, one (iii.) appeared near the Alaskan coast and moved thence southeastward over the United States to the Gulf of Mexico; one moved eastward along the northern boundary of the United States; two occupied the Gulf of Mexico and adjacent land areas; one appeared near the mouth of the Saint Lawrence river, and the remaining four developed in the Rocky mountain regions. The general direction of movement of the above storms was east-northeasterly, those that reached the Atlantic passing off the coast line at or south of the fortieth parallel.

Ten depressions are traced over the Atlantic ocean; of these, two only, numbers xi. and xix., are continuations of storms which were first traced in the United States. The former passed into the Atlantic from the coast near N. 40°, and the latter moved from the Gulf of Mexico over the east Gulf states and into the Atlantic ocean from the South Carolina coast; neither of these depressions reached the European coasts, number xi. moved east-northeastward to about W. 20° where it dissipated and number xix. moved slowly northeastward and remained over the region between N. 37° and the Banks of Newfoundland, and W. 55° and 70° until the close of the month. Of the other depressions that appeared in the Atlantic, two, numbers xiii. and xv. originated near the coast of the United States between N. 35° and 40°; they moved slowly eastward and southeastward and disappeared before reaching the fortieth meridian, their further movement being apparently checked by an area of high barometer which occupied the ocean to the eastward. Three depressions appeared south of N. 40°; one of them, viz: number xvii. moved from the Azores to the coasts of the Iberian peninsula and thence to to the Mediterranean, while the other two moved northeastward and disappeared before reaching the coasts. Number x. was a continuation of the depression traced as xxiv. on the chart for March; it remained off the west coast of Ireland for several days, having moved southeastward from Iceland at the close of March; on April 4th its course changed to north and west and it again moved to Iceland where it disappeared on the 8th. Two disturbances occupied southern Greenland and Iceland during the last half of the month.

Eleven depressions are shown over Europe; three of these appeared over the northern districts (north of the sixtieth parallel), their direction of movement being southeasterly; one passed from the northwest coast of Ireland, southeastward over the British Isles and France to the Mediterranean; one moved northward from southern France to the North sea, while the remaining depressions occupied the continent south of N. 50°, their paths being to the eastward and northeastward.

Nine depressions are traced in Asia; two of these appeared in the southwestern part of the continent between 50° and 70° E.; three passed over Japan, one moving northeastward along the eastern coast, and four appeared in northeastern Asia.

One depression occupied the Aleutian archipelago and Behring Sea during the last decade of the month, and one disturbance is traced over the Pacific ocean between 140° W. and the California coast.

The noteworthy features of April, 1884, were: 1st, the prevalence of stormy weather over the Atlantic during the first half of the month, owing to the presence of several deep depressions which occupied the region between N. 55° and 30° and from the coasts of the United States to those of Europe; 2d, the unusually large number of depressions, mostly slight, however, which occupied the southern districts of Europe.

The depression charted as number x. continued for several days off the coasts of the British Isles, causing moderate to strong s. winds, with rainy weather and generally high temperatures over those islands and the western districts of central Europe. From the 1st to 6th the pressure at the centre of the primary depression ranged from 28.9 (734.0) to 29.2 (741.7), while numerous subsidiary disturbances traversed western Europe. The area of high barometer which occupied Scandinavia and northern Russia at the close of March gradually gave way and moved eastward during the period from April 1st to 5th, but after the last-mentioned date another high area formed over Russia, which continued with slight movement until the 11th, when the pressure began to give way in advance of low areas from the westward and northward.

On the 11th an area of high pressures formed over Iceland and the region north of the British Isles, and continued, gradually spreading over the Atlantic, until the 19th, when it was replaced by low area xvi. The depressions traced as low areas xi. and xii. displayed great energy, the stormiest period of the month having occurred over the Atlantic during the passage of those areas; they were also remarkable for the exceedingly low pressures that accompanied them, the barometer falling as low as 28.1 (713.7) on the 8th, and remaining below 28.8 (731.5) until the 10th. During the entire month, nearly, the atmospheric pressure was relatively low over the Banks of Newfoundland and southward to about N. 37°.

The storms which passed over the United States and the principal depressions over the Atlantic are described in detail in the MONTHLY WEATHER REVIEW for April, 1884, under the headings, "Areas of low barometer" and "North Atlantic Storms," respectively. Those which passed over Europe were generally slight and deserve no special mention; they produced high local winds and rainy weather.

In the depressions traced over eastern Asia, that charted as number xxxi. produced high winds along the eastern coast of Niphon, with barometer falling to 29.4 (746.7). Number xxvii. was also attended by high winds in Japan during its passage over the Sea of Japan; the pressure ranging from 29.45 (748.0) to 29.55 (750.6). In the depressions shown over the Sea of Okhotsk and Behring Sea the barometer ranged from 29.0 (736.5) to 29.5 (749.3).

STORM-TRACKS FOR JULY, 1882.

The chart for July, 1882, shows the paths of twenty-eight of the principal depressions that appeared over the northern hemisphere during the month. The data used in the preparation of this chart are obtained from the sources mentioned above (STORM-TRACKS FOR APRIL, 1884), the marine observations, however, are neither so numerous nor so complete as in that month.

The tracks of the twenty-eight depressions shown on the chart are distributed, geographically, as follows: Five appear in the United States and Canada; of these, four developed in the northwestern part of the United States, and one is a continuation of a depression which occupied the lake region at the close of June, 1882. Two of the depressions above referred to moved eastward to the neighborhood of Lake Superior whence they passed northeastward and disappeared in the Hudson bay region: one moved northeastward from Montana to Manitoba and thence eastward north of the United States to the Gulf of Saint Lawrence, where it dissipated; one passed by a southeasterly course from Minnesota to South Carolina, where it recurved to the northeastward and passed off the coast line, but it again entered the continent and moved north-northwestward to Ontario, Canada, and thence northeastward over Labrador to the Arctic regions. The remaining disturbance moved from the lakes to Nova Scotia and thence northeastward over Newfoundland.

Eight depressions are traced over the Atlantic; of these, three, numbers vi., viii., and xiii., appear to have originated in the vicinity of Newfoundland and the Gulf of Saint Lawrence; two of them (vi. and viii.) reached the European coast, and xiii. occupied the ocean at the close of the month. Three depressions appeared over the Atlantic east of the thirtieth meridian, and moved eastward and northeastward to the European continent; one developed south of Greenland and moved to the northward of Iceland, while the remaining depression (xi.) first appeared in Iceland and passed southeastward to Ireland, where its course changed to northeast, and the depression moved to the Scandinavian coast.

Nine depressions appeared in Europe; three of these are traced over Austria and the Black Sea region; two are shown over the Mediterranean near the French and Italian coasts; one in western Russia; one in western Europe; one in central Europe, and one in Scandinavia. The general direction of movement of these disturbances was easterly or northeasterly; to this, however, there are three notable exceptions, viz., numbers xvii., xix., and xxii., whose paths were abnormal; the first, number xvii. developed in southern Germany, and passed rapidly northward as a severe storm to the Baltic and the Gulf of Bothnia, and thence to the Arctic regions; the second (xix.) developed over the western part of the Black Sea, and moved northwestward to Austro-Hungary, where it curved abruptly, and moved to the eastward; number xxii. developed in western Russia, and moved northwestward over northeastern Germany to the Baltic and thence to Scandinavia.

Five depressions are shown in Asia; one of these occupied the western part of the continent; one passed over the Gulf of Pe-Chi-Li, Corea, and the Sea of Japan, and three appeared in northeastern Asia and the Sea of Okhotsk.

On this chart is shown the track of the first typhoon of the season of 1882; taken from "Les Typhons de 1882, première partie" by the Reverend Marc Dechevrens, S. J., Director of the Zi-Ka-Wei Observatory, Shanghai, China.

This typhoon, although not exhibiting the violence usually displayed by storms of this class, is especially noteworthy on account of its long duration and unusual track, and from its having divided into numerous subsidiary or secondary typhoons, some of which were attended by winds of hurricane force. A full and interesting discussion of this meteor is given by Mr. Dechevrens in the above-mentioned work.

As a noteworthy feature in connection with the storm-tracks for July, 1882, may be mentioned the frequency and long duration of depressions over and in the vicinity of the British Isles. From the 4th to the 25th, a large area of low pressure, within which the barometer ranged from 29.15 (740.4) to 29.7 (754.4), prevailed over the northern and western parts of the British Isles, and over the ocean to the northwestward, causing a long period of unsettled weather, with much rain and strong s. and sw. winds; over those islands thunderstorms were also of frequent occurrence during this period. On the 26th an area of high barometer approached from the Bay of Biscay and continued until the close of the month. Most of the depressions traced over the European continent were accompanied by unusually heavy rains, and violent and destructive thunderstorms, but their accompanying winds were not heavy, owing to the absence of steep gradients. The month of July, 1882, was remarkable for the number and violence of the thunder-storms that occurred.

GENERAL REMARKS.

DAILY BULLETIN.

All data which appear in the DAILY BULLETIN OF SIMULTANEOUS METEOROLOGICAL OBSERVATIONS are copied from the regular exchanges of this office. The barometer readings for land stations, in the first and second columns, are reduced to freezing and their respective standards; those in the third and fourth columns to sea-level. When necessary, corrections for instrumental error, temperature, and reduction to sea-level are always applied, while those for instrumental error, only when such corrections can be ascertained with close approximation, as by comparison when vessels are at or near land stations. Relative humidity generally requires computation from the hygrometrical observations. When rain has fallen, but neither the amount nor duration is recorded, the word "blank" is published in the rainfall column. The weather is generally published as given. The following symbols and abbreviations are common to all series, viz: ϟ, aneroid; *, instrumental error not known; c., cirrus; k., cumulus; s., stratus; n., nimbus; d., scud; f., fracto; p., pallio; hz., haze; fg., fog; sk., smoke; inap., inappreciable; d. clouds, detached clouds. The movement of the air is published as given on the originals, when indicated by velocity in miles per hour, in metres per second, or by force, all variations of the latter being reduced to the common scale of 0 to 10. Those stations reporting the movement in pounds pressure per square foot are reduced to force on the common scale, and those in kilometres per hour, to meters per second and miles per hour. The distinction between upper and lower clouds is carefully made in the United States and a portion of the Canadian series, and the various formations are indicated by the letters above given and their combinations.

All marine data are classified as to districts, which are designated as follows: District No. 1, North Atlantic; District No. 2, South Atlantic, &c., under which headings the respective reports are printed.

BOUNDARIES OF DISTRICTS.

District No. 1 comprises the Atlantic ocean, its arms and tributaries, from the equator northward to the pole, and in the Arctic from 100° E., westward to 100° W., of Greenwich.

District No. 2 comprises the Atlantic ocean, its arms and tributaries, from the equator southward to the pole, and in the Antarctic from 20° E., westward to 70° W., of Greenwich.

District No. 3 comprises the Pacific ocean, its arms and tributaries, from the equator northward to the pole, and in the Arctic from 100° W., westward to 100° E., of Greenwich.

District No. 4 comprises the Pacific ocean, its arms and tributaries, from the equator southward to the pole, and in the Antarctic from 70° W., westward to 145° E., of Greenwich.

District No. 5 comprises the Indian ocean, its arms and tributaries, from the Asiatic continent southward to the pole, and in the Antarctic from 20° E., eastward to 145° E., of Greenwich.

The following remarks relate to the individual peculiarities in the *methods* of recording, and the *times* of taking, the international simultaneous meteorological observations, under the auspices of the various meteorological bureaus.

ALGERIAN SERIES (furnished by co-operation of M. Thévenet, Director of the Meteorological Service at the College of Science of Algeria).—The originals give the barometer in millimetres reduced to sea-level; temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 10. The rainfall is measured at 7 a. m., local time, and the amount indicated in millimetres.

AUSTRALIAN SERIES (furnished by co-operation of R. L. J. Ellery, Director of the Observatory at Melbourne, N. S. W.).—At Melbourne the conversions are published as given in the originals. The movement of the air is indicated by velocity in miles per hour. Adelaide, furnished by co-operation of Charles Todd, C. M. G., F. R. A. S. The observations are taken at 9 p. m., local time. Hobart Town, furnished by Commander J. Shortt, R. N. Observations are taken at 9 p. m., local time.

AUSTRO-HUNGARIAN SERIES (furnished by co-operation of Prof. Dr. Julius Hann, Director of the Imperial and Royal Central Meteorological Institute at Vienna).—The originals give the barometer in millimeters reduced to sea-level and the temperature in Centigrade. At the following stations rainfall is measured at local time: Lemberg, 7 p. m.; Vienna, 2 p. m.; Trieste, 7 a. m. The weather is given by the Vienna symbols or in general terms.

BELGIAN SERIES (furnished by the co-operation of J. C. Houzeau, Director of the Royal Observatory at Brussels).—The originals give the barometer in millimetres reduced to sea-level; temperature in Centigrade; weather by the Vienna symbols, and occasionally in general terms. At Arlon the observations are taken at 1 p. m., local time.

BRITISH SERIES (furnished by co-operation of the Meteorological Council, London, Robert H. Scott, Esq., F. R. S., Secretary, and respective observers).—In general the originals do not give rainfall or distinction between upper and lower clouds. Relative humidity, except for Bradford and Silloth Rectory, is not

given on the originals, but is computed from hygrometrical observations. At Cardington, Oxford, and Sandwick Manse the barometers are given as read off. At Greenwich the movement of the air is indicated by pounds pressure per square foot. At the following stations rainfall is measured at local time: Bradford, 9 a. m., and Aberdeen, 10 a. m. The wind-direction is given to 32 points, and weather by the Beaufort notation. At Bradford no observations are taken on Sunday, except rainfall. Hong Kong, furnished by W. Doberck, Government Astronomer. Rainfall is measured at midnight.

CANADIAN SERIES (furnished by co-operation of Charles Carpmael, A. M., F. R. A. S., Director of the Magnetic Observatory at Toronto, and Superintendent of the Meteorological Office of the Dominion of Canada, and respective observers).—The originals give the barometer reduced to sea-level in English inches and the temperature in Fahrenheit. Meteorological reports from stations marked with an * are telegraphed daily to the office of the Chief Signal Officer of the Army.

CAPE COLONY SERIES (furnished by co-operation of the Meteorological Commission of Cape Colony, Cape Town, and respective observers).—At Cape Saint Francis Lighthouse, the original gives barometer reduced to freezing, but not to sea-level. The kind of clouds is given, but no distinction is made between upper and lower. Weather in general terms.

CHILIAN SERIES (by authority of the Secretary of Public Instruction, furnished by co-operation of Francisco Vidal Gormáz, President of the Central Meteorological Office at Santiago).—Observations are taken mostly at lighthouses on the coast; the originals give barometer as read off; temperature in Centigrade; humidity is not given, but is computed at this office from the hygrometrical observations.

CHINESE SERIES (furnished by co-operation of Marc Dechevrens, S. J., Director of the Meteorological Observatory at Zi-Ka-Wei).—At Zi-Ka-Wei the original gives the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is given in metres per second and the direction to 16 points. The kind of clouds is occasionally given, and the degree of cloudiness on the scale of 0 to 10; distinction between upper and lower clouds is sometimes made. The weather is given in general (French) terms. The rainfall is given in millimetres, and measured at the moment of simultaneous observation.

DANISH SERIES (furnished by co-operation of the Director of the Royal Danish Meteorological Institute at Copenhagen).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 6. The weather is occasionally given by the Vienna symbols, but it is not certain that they always refer to the moment of simultaneous observations, except at Copenhagen. No distinction is made between upper and lower clouds, and the direction of movement, together with the rainfall, is entirely omitted. At all Greenland stations the observations are taken at 8 a. m., local time.

EGYPTIAN SERIES (furnished by the co-operation of Albert Ismulun, Director of the Laboratoire Khédivial du Caire).—Original gives barometer reduced to zero, but not to sea-level, temperature in Centigrade. The velocity is the mean for past twenty-four hours. Rainfall in millimetres.

FRENCH SERIES (furnished by co-operation of the Central Meteorological Office of France, Professor E. Mascart, Director, and respective observers).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 6, except in metres per second for Montlouis and Perpignan. In general the rainfall is measured at 9 a. m., local time. The direction of upper and lower clouds is given, but no distinction is made as to kind. The degree of cloudiness is given on a scale of 0 to 4 at Clermont-Ferrand and Puy de Dôme, while at other stations the scale of 0 to 10 is employed, or general weather terms, from which the amount of cloudiness is inferred. The weather is given in general terms, except occasionally by the Vienna symbols at Montlouis and Perpignan.

GERMAN SERIES (furnished by co-operation of Prof. Dr. G. Neumeyer, Director of the German Marine Observatory at Hamburg).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 10. The kind of clouds is occasionally given, but no distinction is made between upper and lower; the amount is given on a scale of 0 to 10, but the kind is rarely given. The weather is given in Vienna symbols or in general terms.

GREEK SERIES (furnished by co-operation of Prof. D. K. Kokkides, Director of the Royal Observatory at Athens).—The original gives the barometer corrected for temperature only, and the thermometer in Centigrade. Hygrometrical observations are not given. The kind of clouds is occasionally given, and the amount is inferred from the general weather terms. The movement of the air is indicated by force on a scale of 0 to 10.

INDIAN SERIES (furnished by co-operation of H. F. Blanford, Meteorological Reporter to the Government of India, at Calcutta).—The barometric observations refer to the Calcutta standard, which requires a correction of —0.011 inch, or 0.28 mm., as compared with the Kew standard. The wind-velocity given is the average rate of wind since the observation of the preceding day. All conversions are published as given in the originals, where the data are recorded to an additional decimal. The weather is given by the Beaufort notation, Vienna symbols, or special symbols.

ITALIAN SERIES (by authority of the Minister of Agriculture, Industry, and Commerce—furnished by co-operation of Professor P. Tacchini, Director of the Central Meteorological Office, at Rome, and respective observers).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by velocity in kilometres per hour, or by force on a scale of 0 to 4, as at Mondovi, Florence, and Cagliari. No distinction is made between upper and lower clouds, and the amount is given on a scale of 0 to 10.

JAPANESE SERIES (furnished by the co-operation of the Geographical Bureau, Department of the Interior, through I. Arai, Director of the Imperial Meteorological Observatory, at Tokei).—The rainfall is measured at 9.30 a. m., local time, and the conversions are all published as given in the originals. Distinction is generally made between upper and lower clouds, and the amount is given on a scale of 0 to 10. The weather is given in general terms.

MAURITIUS SERIES (furnished by co-operation of C. Meldrum, Secretary of the Meteorological Society of Mauritius).—All conversions are published as given in the originals. The direction of the wind is given to 32 points, and the rainfall is measured at 9.30 a. m., local time.

MEXICAN SERIES (furnished by co-operation of the respective observers).—The kind of clouds is given, and also the direction and amount of both upper and lower. The degree of cloudiness is indicated on a scale of 0 to 10. Rainfall is generally measured at 6 a. m., local time.

NETHERLANDS SERIES (furnished by co-operation of Professor Buys-Ballot, Director of the Royal Meteorological Institute of the Netherlands, at Utrecht).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by pressure in kilograms per square metre, except at Hellevoetsluis, which gives force on a scale of 0 to 12. The humidity is not given on the originals, but for two stations it is computed from the hygrometrical observations. The weather is only given for Utrecht, from which the amount of cloudiness at that station is inferred. At Batavia the elevation is stated to be "a few metres."

NORWEGIAN SERIES (furnished by co-operation of Professor H. Mohn, Director of the Royal Norwegian Meteorological Institute, at Christiania).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by velocity in metres per second, or by force on a scale of 0 to 6. The weather is occasionally given by Vienna symbols. At Bergen observations upon the weather and degree of cloudiness are made at 2 p. m., local time. At Brono the observations are taken at 2 p. m., instead of 12.57 p. m.

PORTUGUESE SERIES (furnished by co-operation of J. C. de Brito Capello, Director of the Meteorological Observatory of the Infante Dom Luiz at Lisbon).—In the originals the barometer is given in millimetres and the temperature in Centigrade. The movement of the air is indicated by velocity in kilometres per hour. The weather is occasionally given by the Vienna symbols. The rainfall is measured at noon each day.

RUSSIAN SERIES (furnished by co-operation of Professor H. Wild, Director of the Imperial Central Physical Observatory of Russia at St. Petersburg).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by velocity in metres per second. No distinction is made between upper and lower clouds: the amount is given on a scale of 0 to 10, and the kind occasionally. The weather is occasionally given by the Vienna symbols. At Astrakhan, Ashurada and Baku, the barometer-cistern is below sea-level.

SPANISH SERIES (furnished by co-operation of the Royal Observatory at Madrid, and respective observers).—The movement of the air, except for sub-series, is given in kilometres per hour. The kind of clouds is occasionally given, and the degree of cloudiness on a scale of 0 to 10. The rainfall at San Juan is measured at 10 a. m., local time, and at San Fernando at midnight. The weather is given in general (Spanish) terms.

SWEDISH SERIES (furnished by co-operation of Professor R. Rubenson, Director of the Royal Swedish Meteorological Institute, and of Professor H. H. Hildebrandsson, Director of the Meteorological Observatory of the Upsala University).—The originals give the barometer in millimetres reduced to sea-level and the temperature in Centigrade. The movement of the air is indicated by force on a scale of 0 to 6, except in metres per second for Upsala. The kind of clouds is not given, but the degree of cloudiness is indicated on a scale of 0 to 10. The rainfall is measured at 8 a. m., local time, and the weather is occasionally given by the Vienna symbols.

SWISS SERIES (furnished by co-operation of Prof. E. Gautier, Director of the Observatory at Geneva).—The originals give the barometer in millimetres, corrected for temperature only, and the thermometer in Centigrade. The movement of the air is indicated by force on a scale of 0 to 10.

TURKISH SERIES (furnished by co-operation of A. Coumbary, Effendi, Director of the Central Observatory at Constantinople, and of F. Nimr, B. A., Director of the Lee Observatory at Beirut).—The originals give the barometer in millimetres reduced to sea-level. The temperature is given in Centigrade. The movement of the air is indicated by force on a scale of 0 to 7 for Valona, and on a scale of 0 to 12 for Beirut. At Constantinople the velocity is given in metres per second. The kind of clouds is not given, but the amount is indicated on a scale of 0 to 10, except at Valona, at which station it is inferred from the general weather terms. At Samakov the barometer is reduced to freezing, but not to sea-level; temperature in Fahrenheit. The kind of clouds is given, also the distinction between upper and lower.

UNITED STATES SERIES (by authority of the Secretary of War—furnished by co-operation of W. B. Hazen, Brigadier and Brevet Major General, Chief Signal Officer, U. S. Army).

UNITED STATES SUB-SERIES (furnished by co-operation of the respective observers).—The originals generally give the barometer reduced to sea-level and the temperature in Fahrenheit. At Bogota the barometer is corrected for temperature only; at Puerto Berrio, is given as read off. The movement of the air is generally indicated by velocity in miles per hour, except on a scale of 0 to 10 for Bogota, Paramaribo, and Rivas, and 0 to 12 for Puerto Berrio. The wind-direction is generally given to 16 points, except 8 points for Bogota. At Rivas the humidity is obtained by readings from Saussure's hygrometer.

BRITISH NAVAL SERIES (furnished by co-operation of the Meteorological Council, London, Robert H. Scott, Esq., F. R. S., Secretary).—The originals give the barometer as read off. The wind-direction is given to 32 points. The movement of the air is indicated by force on a scale of 0 to 12. The distinction between upper and lower clouds is made as to direction, but not as to amount. The height of the sea-disturbance is given on a scale of 0 to 9, and the weather by the Beaufort notation. The direction of movement of wind, clouds, and sea is compass direction, corrected only for deviation caused by the iron in the ship, while the correction for magnetic variation is applied at this office. The humidity is not given, but is computed from the hygrometrical observations.

PORTUGUESE NAVAL SERIES (furnished by co-operation of J. C. de Brito Capello, Director of the Meteorological Observatory of the Infante Dom Luiz at Lisbon).—The originals give the barometer in millimetres, corrected for temperature only, and the thermometer in Centigrade. The movement of the air is indicated by force on a scale of 0 to 10. The humidity is not given, but is

computed from the hygrometrical observations. The kind of clouds is not given, but the amount is indicated on a scale of 0 to 10; the direction of movement is given without distinction between the upper and lower. The height of sea disturbance is given on a scale of 0 to 9 and the weather by the Beaufort notation. The rainfall is not measured, but the duration is generally given in hours and minutes.

UNITED STATES NAVAL SERIES (by authority of the Secretary of the Navy—furnished by co-operations of the Navy Department, through Commodore John G. Walker, U. S. N., Chief of Bureau of Navigation).—The originals give the barometer as read off. The humidity is not given, but is computed from the hygrometrical observations. The sea-swell and weather are given in general terms. The direction of the wind is compass direction, corrected for variation.

MERCHANT-MARINE SERIES (furnished by co-operation of the owners, agents, &c., of the respective lines and vessels).—Same as U. S. Naval.

MONTHLY SUMMARY OF INTERNATIONAL SIMULTANEOUS METEOROLOGICAL OBSERVATIONS.

The position of stations (latitude and longitude) are obtained from Keith Johnston's "Index Geographicus," except where more exact information is furnished. The elevation of stations is obtained either from the annual, semi-annual, and monthly publications of the various meteorological bureaus here represented, or from the orignal forms upon which are entered the daily observations. In the United States series the elevations are computed from the latest surveys, and are carefully revised each month, in order to note any change in the elevation of the barometer-cistern at any station. It is belived for the most part that, throughout the European and other series, the elevations as given represent the height of the barometer-cistern above sea-level; at least, this should be the case. The local time, where omitted or not given correctly in the original, is carefully computed at this office. A letter placed opposite the name of a station or some portion of the data credited thereto, indicates that a certain number of observations are missing, corresponding to the relative position in the alphabet of the letter so used.

BRITISH SERIES, Bradford: a letter placed opposite the name of station, refers to all the data except rainfall.

On April 1st, 1884, the following changes occur in the elevation of the barometer cistern, at stations of the United States series: Benton, Fort, Montana, to 2681 feet or 817 metres; Los Angeles, California, to 299 feet or 91 metres; Philadelphia, Pennsylvania, to 117 feet or 36 metres.

OCEAN SQUARES.—The table of ocean square data shows (1) the location of the centres of squares whose sides extend 5° each in latitude and longitude (2), the the monthly mean pressure and temperature of the air, and the mean force and total frequency of the wind at 7 a. m., Washington time, computed for the centre of each square from daily readings as obtained by interpolation between the isobars and isotherms of the daily international simultaneous weather maps.

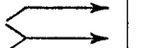
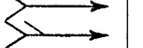
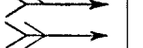
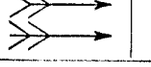
INTERNATIONAL CHARTS ACCOMPANYING DAILY BULLETIN AND MONTHLY SUMMARY.

International chart i. shows isobars and isotherms charted from data as appearing in the INTERNATIONAL BULLETIN of same date, as reported by the several observers. Isobars, in continuous lines, exhibit atmospheric pressure at sea-level in English inches; isotherms, in dotted lines, exhibit temperature of the air in degrees, Fahrenheit, similarly charted.

International chart ii. (monthly mean chart), showing mean pressure at sea-level in English inches, mean temperature in degrees, Fahrenheit, mean force and prevailing direction of wind at 7 a. m., Washington mean time.

International chart iii. shows tracks of centres of low barometer. The Arabic numerals show location of the centres of low barometer at 7 a. m., Washington mean time, of that date.

In the above charts broken lines indicate that the lines so drawn are doubtful. Arrows show direction of, and fly with, the wind. Force is shown as follows:

SYMBOLS.	FORCE.	VELOCITY.	
		MILES PER HOUR.	METRES PER SECOND.
○	0	0	0
	1, 2	0 to 9	0 to 4
	3, 4	9.1 to 22.5	4.1 to 10.1
	5, 6	22.6 to 40.5	10.1 to 18.1
	7, 8	40.6 to 67.5	18.1 to 30.2
	9, 10	67.6 up.	30.2 and over.

ERRATA.

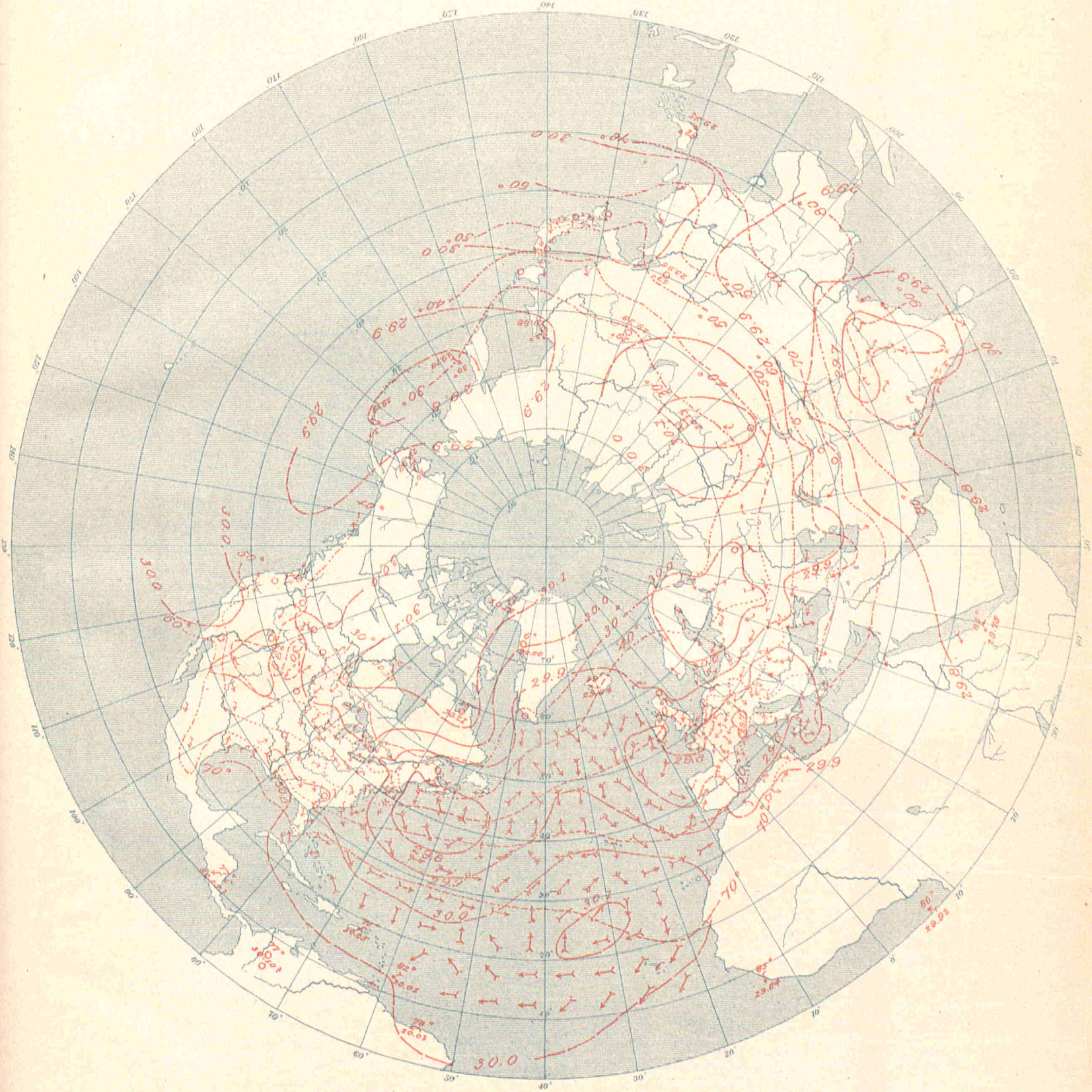
United States Series, Cincinnati, Ohio, from opening of station to May 1st, 1884, reduced barometer is too high by .01 of an inch (.25 mm).

DAILY BULLETIN, April 1st, 1884, page 2, Indian; transpose name of stations Bellary and Trichinopoly, so that Bellary will read 28.31 and Trichinopoly 29.54, &c.; same correction on 2d, 3d, 4th, 5th, and 6th.

PUBLISHED BY ORDER OF THE SECRETARY OF WAR.

W. B. HAZEN,
Brig. & Bvt. Maj. Gen'l,
Chief Signal Officer, U. S. A.

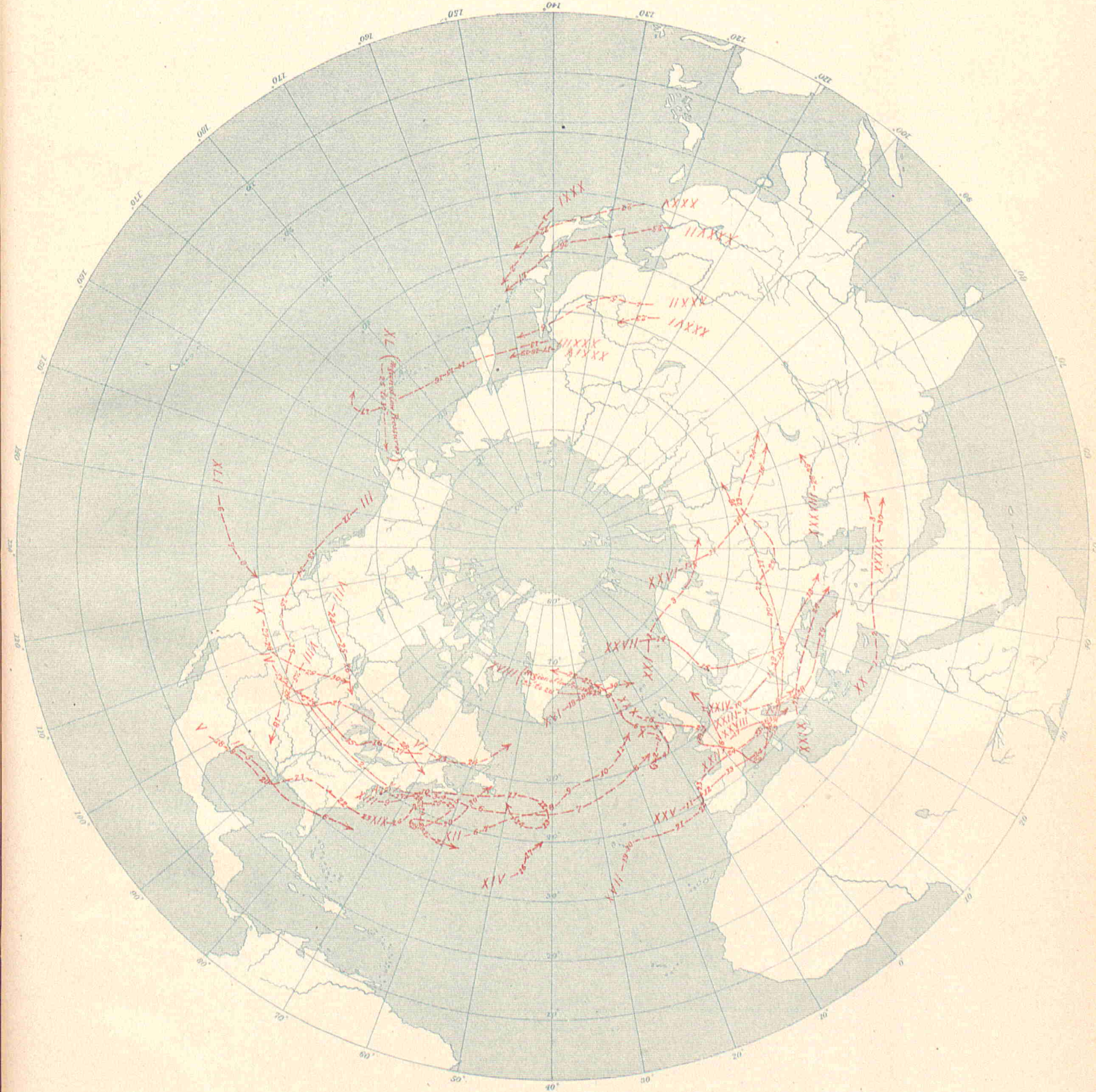
International Chart II. April, 1884. Isobars, Isotherms, and Winds.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.
Signal Office Lith.

International Chart III. April, 1884. Storm-Tracks.

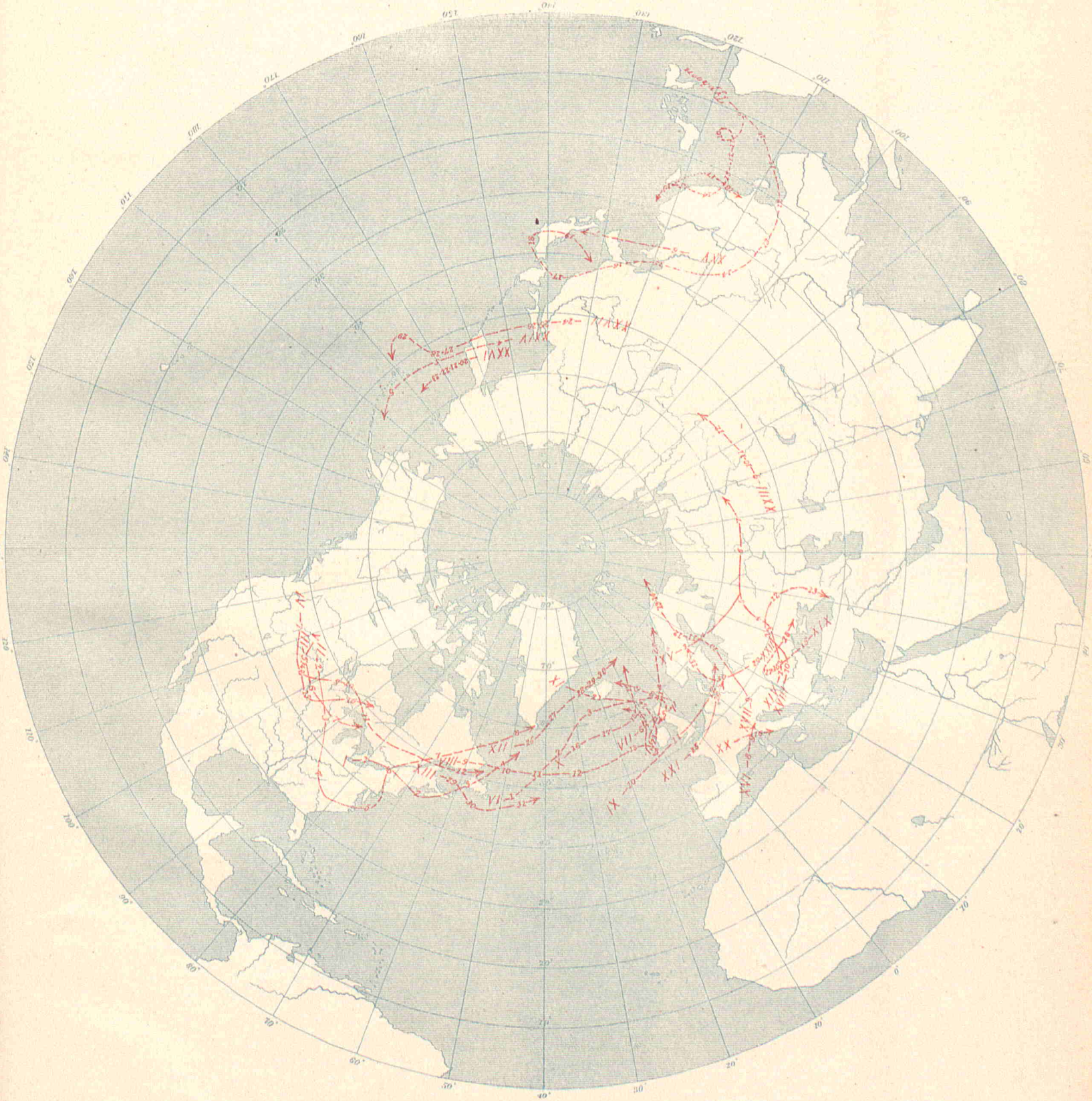


UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B. Hazen, Chief Signal Officer.

Signal Office Lith.

International Chart III. July, 1882. Storm-Tracks.



UNITED STATES OF AMERICA.

By Order of the Secretary of War.
W.B.Hazen, Chief Signal Officer.
Signal Office 14th.