A few stations determine their prevailing directions from the daily or twice-daily observations only.

CHART VII.—*Total snowfall.*—This is based on the reports from regular and cooperative observers and shows the depth in inches of the snowfall during the month. In general, the depth is shown by lines inclosing areas of equal snowfall, but in special cases figures also are given. This chart is published only when the snowfall is sufficiently extensive to justify its preparation. The inset of this chart, when included, shows the depth of snow on the ground at the end of the month.

CHARTS VIII, IX, etc.—*North Atlantic Weather maps of particular days.*

CONDENSED CLIMATOLOGICAL SUMMARY

In the following table are given for the various sections of the climatological service of the Weather Bureau the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures, with dates of occurrence; the stations reporting the greatest and least total precipitation; and other data as indicated by the several headings.

The mean temperature for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course, the number of such records is smaller than the total number of stations.

Condensed climatological summary of temperature and precipitation, by sections, January, 1928

Section	Temperature								Precipitation					
	Section average	Departure from the normal	Monthly extremes						Section average	Departure from the normal	Greatest monthly		Least monthly	
			Station	Highest	Date	Station	Lowest	Date			Station	Amount	Station	Amount
	°F.	°F.		°F.			°F.		In.	In.		In.		In.
Alabama	44.9	−1.0	Eufaula	81	16	Valley Head	−2	2	1.56	−3.50	Maple Grove	3.34	Alaga	0.25
Arizona	45.4	+1.7	3 stations	83	[1] 6	2 stations	−7	[1] 17	0.18	−1.06	Childs	1.50	49 stations	0.00
Arkansas	42.7	+1.6	Dumas	90	11	Lead Hill	−10	3	2.05	−2.05	Higden	4.60	Whitecliffs	0.50
California	46.3	+1.0	2 stations	92	12	Helm Creek	−24	18	1.84	−3.60	Cummings	12.59	10 stations	0.00
Colorado	28.4	+4.4	Lamar	82	14	Sunbeam	−34	1	0.27	−0.73	Steamboat Springs	1.53	15 stations	0.00
Florida	56.0	−2.7	2 stations	87	[1] 16	4 stations	15	[1] 2	0.75	−2.02	Blountstown	1.78	Everglades	0.02
Georgia	46.0	−0.6	2 stations	83	[1] 15	Blue Ridge	−5	2	1.46	−2.78	Cornelia	3.38	Waycross	0.36
Idaho	25.9	+1.8	4 stations	57	[1] 5	Stanley	−29	17	1.90	−0.19	Avery	5.77	Dubois	T.
Illinois	29.1	+2.3	Harrisburg	74	16	2 stations	−19	2	1.08	−1.18	Danville	2.69	Astoria	0.05
Indiana	29.0	+0.4	2 stations	73	16	2 stations	−15	2	1.74	−1.31	Butlerville	2.86	Whiting	0.45
Iowa	25.2	+6.6	Little Sioux	70	10	2 stations	−20	2	0.17	−0.90	Olin	1.04	10 stations	T.
Kansas	34.7	+4.9	6 stations	80	14	Burr Oak	−22	3	0.09	−0.57	Toronto	0.59	9 stations	0.00
Kentucky	35.0	−0.5	Williamsburg	76	15	Junction City	−8	2	2.47	−1.91	Jenkins	4.24	Ravenna	0.90
Louisiana	50.6	−0.6	2 stations	85	[1] 11	Plain Dealing	9	2	1.03	−3.70	Paradis	2.87	Newllano	0.00
Maryland-Delaware	34.3	+1.7	2 stations	72	15	2 stations	−11	30	2.52	−0.85	Maryland Line, Md.	4.65	Hancock, Md	0.71
Michigan	23.0	+3.1	Eau Claire	60	15	Humboldt	−32	30	1.83	+0.03	Calumet	6.56	Kent City	0.42
Minnesota	12.9	+4.6	Winona	51	6	2 stations	−39	2	0.36	−0.38	Farmington	1.15	Willmar	0.05
Mississippi	46.7	−0.2	Rosedale	83	11	3 stations	3	3	1.72	−3.42	Grenada	3.49	Columbia	0.61
Missouri	33.3	+2.9	Poplar Bluff	77	11	Louisiana	−18	2	0.87	−1.16	Doniphan	2.26	8 stations	T.
Montana	22.3	+3.9	Winifred	64	12	Big Sandy	−48	1	0.98	+0.24	Hebgen Dam	3.39	Savage	0.00
Nebraska	29.1	+7.2	Culbertson	73	13	Gordon	−26	1	0.16	−0.39	Hay Springs	0.80	Ericson	0.00
Nevada	32.0	+2.0	Beatty	73	12	Millett	−16	18	0.38	−0.61	Tuscarora	1.21	3 stations	0.00
New England	24.4	+2.0	2 stations	58	1	Pittsburg (a), N. H.	−37	16	2.74	−0.67	Somerset, Vt	4.81	Waterbury, Conn	1.02
New Jersey	32.5	+2.6	3 stations	65	15	Layton	−15	30	2.26	−1.35	Chatham	3.97	Sandy Hook	1.37
New Mexico	35.8	+2.1	2 stations	82	[1] 11	Dulce	−18	1	0.02	−0.50	Red River Canyon	0.35	112 stations	0.00
New York														
North Carolina	41.0	−0.6	Goldsboro	85	16	Banners Elk	−13	2	1.57	−2.33	Parker	5.06	Manteo	0.22
North Dakota	13.0	+8.1	2 stations	50	[1] 11	2 stations	−41	[1] 1	0.21	−0.33	Cando	1.04	2 stations	0.00
Ohio	29.1	+0.9	2 stations	71	[1] 14	2 stations	−10	3	1.70	−1.31	Bangorville	2.88	Catawba Island	0.87
Oklahoma	41.4	+3.1	Hollis	85	14	Boise City	−8	1	0.95	−0.53	McAllester	3.32	2 stations	0.00
Oregon	34.8	+0.7	McMinnville	69	11	La Grande	−8	1	4.07	−0.65	Valsetz	17.74	Andrews	0.26
Pennsylvania	29.8	+2.0	3 stations	65	[1] 8	Gouldsboro	−23	30	2.08	−1.25	York Haven	4.48	2 stations	0.78
South Carolina	44.7	−0.8	Summerville	81	17	Caesar's Head	0	2	1.48	−2.06	Walhalla	3.20	Rimini	0.10
South Dakota	20.8	+4.9	Hermosa	70	10	Camp Crook	−37	1	0.21	−0.39	Hardy Ranger Station.	1.50	3 stations	0.00
Tennessee	38.6	−0.1	Lynnville	77	16	4 stations	−10	2	2.90	−1.84	Cedar Hill	4.53	Buffalo Valley	0.90
Texas	48.7	+0.2	Fort Stockton	93	15	Dalhart	−7	1	0.67	−1.16	Encinal	3.40	18 stations	0.00
Utah	27.6	+2.3	2 stations	68	[1] 13	Castle Rock	−16	[1] 19	0.42	−0.92	Silver Lake	1.31	4 stations	0.00
Virginia	37.4	+1.8	Diamond Springs	79	15	2 stations	−5	2	2.17	−1.26	Callaville	3.54	Culpeper	1.10
Washington	31.6	+1.5	3 stations	62	[1] 9	Newport (a)	−12	1	5.31	−0.23	Wynooche Oxbow	28.06	Hassan	0.69
West Virginia	32.0	−0.1	New Martinsville	74	17	Pickens	−14	29	2.18	−1.75	Pickens	4.55	Moorefield	0.12
Wisconsin	17.8	+3.8	Racine	56	14	Rest Lake	−40	28	0.48	−0.80	Flambeau Reservoir	1.54	Hillsboro	0.08
Wyoming	23.6	+4.1	Fort Laramie (near)	71	12	2 stations	−34	1	0.69	−0.11	Crandall Creek	3.36	Pinebluff	0.01
Alaska (*December*)	16.8	−0.1	Dutch Harbor	52	8	Fort Yukon	−50	28	5.15	−0.62	Latouche	17.40	Fort Yukon	0.20
Hawaii	68.9	+0.9	Niulii	92	15	Glenwood	43	[1] 1	5.83	−3.42	Puu Kukui (upper)	33.00	3 stations	0.00
Porto Rico														

[1] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, January, 1928*

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind (3-cup anemometer used): Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenth	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
New England							28.4	+3.9										71	2.27	−1.1										5.6		
Eastport	76	67	85	29.75	29.84	−0.16	22.8	+2.4	49	1	31	−7	21	15	31	21	15	70	3.18	−0.7	17	8,877	w.	45	se.	25	5	9	17	6.7	15.6	5.0
Greenville, Me.	1,070	6		28.63	29.84		14.0		43	25	23	−14	22	5	31				4.01		11		nw.				11	6	14		22.5	
Portland, Me.	103	82	117	29.78	29.91	−.14	26.2	+3.8	49	8	33	−2	22	19	29	23	16	67	2.83	−1.1	12	6,994	w.	40	s.	25	11	8	12	5.2	13.3	1.2
Concord	289	70	79	29.55	29.88	−.17	25.0	+3.4	51	7	33	−9	22	17	35				1.80	−1.2	9	4,843	w.	34	w.	25	12	11	8	4.9	9.8	1.0
Burlington	403	11	48	29.44	29.90	−.15	21.6	+2.8	45	1	29	−7	21	14	38				1.72	0.0	14	8,320	s.	32	s.	23	2	6	23	8.6	6.9	1.1
Northfield	876	12	60	28.93	29.91	−.14	19.6	+4.4	45	1	30	−14	22	10	46	18	15	82	2.26	−0.2	14	5,541	sw.	33	sw.	25	6	8	17	7.3	13.0	5.0
Boston	125	115	188	29.79	29.93	−.12	33.0	+5.1	58	1	40	11	30	26	38	28	21	64	1.66	−2.0	11	8,082	sw.	45	sw.	25	10	9	12	5.2	5.1	2.3
Nantucket	12	14	90	29.93	29.94	−.10	34.2	+2.9	53	8	40	14	30	28	25	31	26	77	3.22	−0.2	12	13,864	w.	54	sw.	25	10	7	14	5.7	5.4	4.0
Block Island	26	11	46	29.91	29.94	−.13	34.6	+3.6	54	1	40	14	29	29	32	31	26	73	1.85	−1.9	9	15,703	w.	58	sw.	25	9	14	8	5.3	1.5	1.2
Providence	160	215	251	29.77	29.95	−.11	32.4	+5.2	57	1	40	10	30	25	38	28	21	63	2.27	−1.4	12	8,634	nw.	48	s.	25	16	8	7	4.0	2.7	1.9
Hartford	159	122		29.80	29.99	−.08	31.2	+5.7	56	7	38	6	30	24	36				2.29	−1.6	10		sw.				13	12	6	4.4	4.8	2.7
New Haven	106	74	153	29.87	29.99	−.09	32.3	+4.1	55	7	40	10	30	25	37	28	22	69	1.92	−2.1	8	7,215	sw.	39	sw.	25	12	15	4	4.4	2.7	1.5
Middle Atlantic States							34.6	+2.5										67	2.08	−1.1										5.1		
Albany	97	102	115	29.86	29.97	−.10	28.8	+5.7	51	7	36	−1	30	22	31	25	20	74	1.78	−0.6	10	4,962	s.	26	s.	16	9	8	14	6.2	5.5	2.0
Binghamton	871	10	84	29.00	29.96	−.12	28.6	+4.5	52	15	36	3	27	22	32				1.48	−0.5	11	5,511	w.	31	w.	25	4	11	16	7.1	2.8	1.0
New York	314	414	454	29.66	30.02	−.08	33.8	+2.9	55	7	41	11	2	26	34	28	21	61	1.41	−2.2	9	14,712	w.	72	w.	25	8	15	8	5.4	3.0	1.4
Harrisburg	374	94	104	29.65	30.06	−.04	32.5	+3.5	60	13	40	6	30	25	28	27	21	65	2.65	−0.2	9	5,523	w.	32	sw.	20	5	13	13	6.3	10.2	7.0
Philadelphia	114	123	182	29.93	30.06	−.05	35.6	+3.0	61	15	43	12	2	28	31	31	25	69	1.91	−1.4	7	6,999	sw.	29	sw.	25	13	9	9	5.1	10.4	6.7
Reading	325	81	98	29.68	30.04		33.2		58	7	41	1	30	26	26	28	21	66	3.10	−0.4	7	5,318	w.	27	w.	25	11	13	7	4.9	14.9	7.5
Scranton	805	111	119	29.12	30.01	−.08	29.9	+3.3	54	13	37	6	2	23	31	26	23	80	1.40	−1.4	10	6,142	s.	29	w.	20	7	5	19	6.8	3.2	2.8
Atlantic City	52	37	172	29.99	30.05	−.06	35.6	+3.1	64	15	44	10	30	28	32	31	25	71	2.23	−1.3	9	13,171	w.	68	s.	24	15	11	5	3.7	11.1	8.5
Cape May	17	13	49				34.4	+0.3	63	15	43	10	30	28	30	31	27	75	2.10		8		nw.				13	11	7		6.5	5.3
Sandy Hook	22	10	55	29.99	30.01		33.4		54	13	40	13	2	27	30	29	22	66	1.37		10	13,285	w.	54	sw.	25	10	12	9	5.2	2.5	0.6
Trenton	190	159	183	29.82	30.03		33.6		58	7	42	7	30	25	32	28	22	68	1.74	−1.4	8	9,164	sw.	44	w.	25	9	13	9	5.2	11.0	4.2
Baltimore	123	100	215	29.94	30.07	−.05	36.3	+2.5	68	15	45	10	2	28	31	30	22	61	2.76	−0.7	5	8,018	sw.	47	sw.	25	19	4	8	4.4	14.3	6.0
Washington	112	62	85	29.95	30.07	−.06	35.9	+2.5	69	13	45	7	30	26	28	29	20	59	2.63	−0.8	8	5,152	nw.	36	nw.	25	16	5	10	4.6	10.6	5.0
Cape Henry	18	8	54	30.07	30.09		41.2		72	15	50	17	2	32	31	35	28	65	1.93	−1.2	6	9,017	sw.	38	nw.	28	16	3	12	4.6	0.3	0.0
Lynchburg	681	153	188	29.35	30.11	−.02	39.2	+1.7	73	14	49	6	2	29	34	33	25	61	2.53	−0.9	9	6,510	w.	35	w.	24	18	4	9	4.3	3.4	1.3
Norfolk	91	170	205	30.02	30.12	−.01	41.2	+0.6	74	15	50	12	2	32	35	35	27	62	1.51	−1.6	6	10,165	w.	50	w.	24	15	3	13	4.6	0.2	0.0
Richmond	144	11	52	29.95	30.12	−.01	38.9	+1.0	75	15	49	8	29	28	31	32	25	65	2.23	−1.0	7	6,250	w.	43	w.	24	13	8	10	4.3	4.6	2.4
Wytheville	2,304	49	55	27.68	30.15	+.01	33.8	+0.8	65	14	42	−4	2	26	27	28	23	71	1.95	−2.4	12	6,506	w.	38	sw.	19	14	7	10	4.8	4.6	1.5
South Atlantic States							45.6	0.0										67	0.87	−2.5										4.3		
Asheville	2,253	70	84	27.74	30.19	+.04	35.4	0.0	69	14	46	−5	2	25	35	30	24	70	1.15	−1.7	8	5,599	n.	26	nw.	21	17	7	7	4.2	0.6	0.0
Charlotte	779	55	62	29.30	30.16	+.01	41.8	+0.6	75	15	52	6	2	32	35	35	27	63	1.77	−2.2	6	3,971	sw.	34	sw.	24	18	4	9	3.9	T.	0.0
Hatteras	11	11	50	30.11	30.12	−.02	46.0	−1.1	68	16	53	20	2	39	31	41	37	74	0.80	−3.6	7	9,583	w.	46	sw.	24	14	7	10	4.8	T.	0.0
Raleigh	376	103	110	29.73	30.15	+.02	42.5	+1.4	75	15	52	8	2	33	32	36	30	69	0.86	−2.7	5	5,912	nw.	39	w.	24	17	5	9	4.5	T.	0.0
Wilmington	78	81	91	30.10	30.18	+.04	47.6	+1.1	77	15	58	14	2	38	33	40	33	66	1.07	−2.2	4	4,364	w.	37	sw.	24	17	7	7	3.8	T.	0.0
Charleston	48	11	92	30.15	30.20	+.05	48.8	−1.1	79	18	58	18	2	40	30	41	35	67	0.43	−2.6	3	6,379	sw.	30	sw.	24	12	12	7	4.6	0.0	0.0
Columbia, S. C.	351	41	57	29.80	30.20	+.05	46.6	+0.6	78	17	57	10	2	36	39	38	30	60	0.83	−2.5	6	4,680	w.	38	w.	24	16	9	6	3.8	0.2	0.0
Due West	711	10	55	29.42	30.22		42.8		75	18	54	6	2	32	41				2.30		6	6,634	sw.	42	w.	24	14	9	8	4.4	T.	0.0
Greenville, S. C.	1,039	139	146	29.04	30.16		42.4	+2.1	74	15	52	5	2	33	35	35	27	62	2.99		7	6,289	w.	38	w.	1	19	5	7	3.9	0.1	0.0
Augusta	182	62	77	30.00	30.20	+.04	47.0	0.0	80	18	58	10	2	36	41	40	34	70	0.75	−3.2	4	4,023	nw.	23	nw.	28	11	12	8	4.9	T.	0.0
Savannah	65	150	194	30.15	30.22	+.07	50.6	−0.8	78	15	61	17	2	41	30	42	35	65	0.39	−2.4	3	8,111	w.	39	w.	19	15	8	8	4.2	0.0	0.0
Jacksonville	43	209	245	30.18	30.23	+.08	52.5	−2.9	78	17	62	19	3	43	25	45	38	66	0.68	−2.1	5	7,449	sw.	32	sw.	24	13	7	11	4.8	0.0	0.0
Florida Peninsula							62.6	−2.9										76	0.40	−2.1										4.6		
Key West	22	10	64	30.14	30.16	+.06	66.6	−2.9	81	19	72	48	4	61	19	61	59	82	0.20	−1.8	4	7,238	ne.	30	nw.	27	15	7	9	4.2	0.0	0.0
Miami	25	71	164	30.16	30.19		64.0	−2.5	82	27	71	32	29	57	31	58	55	74	0.42	−2.3	8	7,207	e.	25	n.	21	9	15	7	5.3	0.0	0.0
Tampa	35	79	87	30.19	30.23	+.11	57.2	−3.2	81	16	67	26	3	48	29	49	44	72	0.59	−2.2	5	4,208	e.	20	nw.	28	15	9	7	4.5	0.0	0.0
Titusville	44	5		30.16	30.21		57.1		82	9	69	24	3	45	34				0.58		5		w.				12	10	9	4.6	0.0	0.0
East Gulf States							47.3	−0.9										67	1.44	−3.5										5.4		
Atlanta	1,173	190	216	28.94	30.22	+.07	42.6	0.0	72	17	51	1	2	34	31	36	28	60	2.83	−2.1	6	8,345	nw.	37	w.	24	10	11	10	5.3	0.2	0.0
Macon	370	78	87	29.82	30.23	+.07	45.5	−1.3	78	17	56	8	2	34	37	39	31	65	0.59	−4.6	4	4,302	nw.	23	nw.	19	10	11	10	5.2	T.	0.0
Thomasville	273	49	58	29.94	30.25	+.09	50.3	−0.7	79	17	60	18	2	41	31	42	36	66	0.94	−3.2	3	3,182	sw.	16	sw.	24	14	3	14	5.2	0.0	0.0
Apalachicola	36	42	49	30.21	30.25		50.3		69	17	57	22	3	43	24	45	41	77	0.61		5	5,121	n.	21	n.	28	14	5	12	4.6	0.0	0.0
Pensacola	56	149	185	30.20	30.26	+.12	50.0	−2.5	70	19	57	17	2	43	23	45	40	71	0.88	−3.1	6	8,562	n.	43	w.	24	9	6	16	5.8	0.0	0.0
Anniston	741	9	57	29.45	30.27	+.11	42.4	+0.2	75	16	53	4	2	31	38				2.48	−2.8	7	3,732	nw.	27	w.	24	12	13	6	4.7	0.1	0.0
Birmingham	700	11	48	29.47	30.26	+.10	44.4	−0.7	75	16	54	5	2	35	31	38	31	64	1.91	−3.4	7	4,667	s.	29	w.	24	11	13	7	4.9	0.2	0.0
Mobile	57	125	161	30.19	30.26	+.11	49.8	−1.7	74	24	58	18	2	42	26	44	38	69	0.91	−3.9	6	6,304	n.	29	nw.	19	9	5	17	5.9	0.0	0.0
Montgomery	223	100	112	30.01	30.27	+.11	46.8	−1.4	75	16	56	11	2	38	33	40	32	63	1.08	−4.1	5	4,604	sw.	30	w.	24	9	10	12	5.7	0.0	0.0
Corinth	469	6					42.2		76	16	52	3	3	33	34				2.82		7		s.				4	18	9		0.3	0.0
Meridian	375	87	95	29.84	30.26	+.10	46.8	−0.2	76	15	57	12	3	37	36	40	33	65	0.86	−4.7	4	4,163	sw.	32	w.	24	9	12	10	5.3	T.	0.0
Vicksburg	247	65	73	29.98	30.28	+.13	48.6	+0.4	76	17	57	13	3	40	27	42	37	70	1.07	−4.3	6	4,987	s.	30	w.	24	9	12	10	5.6	T.	0.0
New Orleans	53	76	84	30.20	30.26	+.13	52.5	−1.7	77	15	60	21	2	45	26	47	42	72	2.29	−2.0	8	4,249	ne.	20	nw.	19	10	5	16	6.0	0.0	0.0
West Gulf States							50.0	+1.7										68	0.97	−1.8										4.9		
Shreveport	249	77	93	29.98	30.26	+.12	49.1	+2.1	78	15	58	11	1	40	31	42	36	64	1.19	−2.7	5	4,271	s.	26	nw.	27	13	7	11	5.0	T.	0.0
Bentonville	1,303	11	44				39.7	+5.6	72	11	50	−5	1	29	31				1.34		7		s.		nw.		20	4	7		0.4	0.0
Fort Smith	457	79	94	29.70	30.20	+.05	42.9	+3.4	75	14	53	2	1	33	33	37	31	68	2.08	−0.5	5	5,069	e.	39	w.	24	16	6	9	4.3	0.0	0.0
Little Rock	357	136	144	29.83	30.22	+.07	43.8	+2.4	76	11	53	5	1	35	33	38	30	61	1.18	−3.6	7	6,221	s.	37	w.	24	15	8	8	4.2	T.	0.0
Austin	605	136	148	29.59	30.23		51.9	+2.4	79	10	62	15	2	42	41				0.36	−1.7	6	4,605	s.	28	s.	29	10	9	12	5.5	0.3	0.0
Brownsville	57	53	61		30.18		58.5	−1.3	82	13	67	29	1	50	34			79	1.33	−0.1	7	5,617	s.	26	n.	19	9	7	15		0.0	0.0
Corpus Christi	20	11	78	30.20	30.22	+.12	54.9	−1.1	76	10	62	22	2	48	30	50	46	80	2.22	0.0	5	7,569	n.	30	se.	29	11	6	14	5.8	0.0	0.0
Dallas	512	220	227	29.66	30.23		48.4		79	11	58	9	1	38	33				0.83		3	8,024	se.	44	sw.	18	18	5	8	3.8	0.0	0.0
Fort Worth	670	106	114	29.48	30.21	+.09	49.2	+3.8	80	11	60	10	1	38	39	41	35	64	0.46	−1.0	3	5,918	s.	28	nw.	24	15	7	9	4.5	0.0	0.0
Galveston	54	106	114	30.20	30.26	+.13	52.9	−0.9	69	15	58	20	2	48	19	49	45	82	0.41	−3.2	5	6,900	n.	27	n.	1	8	16	7	5.0	0.0	0.0
Groesbeck	461	11	56	29.74	30.23		49.6		78	15	59	14	2	40	36				0.34		4	6,903	s.	38	sw.	29	13	9	9	4.8	0.0	0.0
Houston	138	292	314	30.10	30.26		53.3	+0.6	78	16	62	16	2	45	27				0.40	−3.0	5	8,337	e.	33	nw.	19	9	12	10	5.3	T.	0.0
Palestine	510	64	72	29.69	30.24	+.12	49.8	+1.6	77	15	58	12	2	41	28	43	36	62	0.99	−2.9	5	5,079	s.	27	sw.	29	12	7	12	5.4	0.0	0.0
Port Arthur	34	58	66	30.21	30.25		52.4		73	14	60	18	2	45	23				0.17		5	5,362	s.	28	n.	19	11	5	15	5.7	0.0	0.0
San Antonio	693	119	132	29.48	30.22	+.12	53.0	+0.7	79	30	63	17	2	44	34	45	37	61	0.65	−1.0	6	4,474	ne.	30	nw.	19	11	10	10	5.1	T.	0.0
Taylor	583	55	63	29.64	30.26	+.15	51.0	+2.4	78	10	62	13	2	40	38				0.35	−2.5	4	5,104	s.	28	s.	29	11	12	8	4.7	0.5	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, January, 1928*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station reduced to mean of 24 hours.	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Ohio Valley and Tennessee							**34.0**	**+0.4**										**72**	**1.91**	**−1.9**										**5.7**		
Chattanooga	762	189	213	29.39	30.23	+0.07	41.2	0.0	73	16	50	0	2	32	30	35	27	61	2.38	−2.9	8	5,474	sw.	40	sw.	24	8	16	7	5.1	0.2	0.0
Knoxville	995	102	111	29.12	30.20	+.05	38.4	−0.4	70	15	47	0	2	30	32	33	27	68	2.27	−2.4	8	4,832	sw.	36	sw.	19	10	14	7	5.1	T.	0.0
Memphis	399	76	97	29.79	30.23	+.07	41.8	+0.9	72	15	49	4	3	34	29	36	29	63	1.65	−3.2	9	5,936	sw.	45	w.	24	14	9	8	4.4	0.1	0.0
Nashville	546	168	191	29.63	30.24	+.08	39.4	+0.8	72	16	48	0	2	31	33	34	28	68	2.55	−2.2	8	6,109	w.	42	w.	24	10	13	8	4.8	0.1	0.0
Lexington	989	193	230	29.08	30.20	+.07	32.6	−0.3	67	16	40	−4	2	25	25	----	----	----	2.68	−1.2	9	10,006	sw.	52	w.	24	12	7	12	5.1	2.4	T.
Louisville	525	188	234	29.59	30.20	+.06	33.6	−0.8	70	16	42	−5	1	26	29	30	24	70	2.01	−2.0	7	8,281	s.	40	w.	24	10	10	11	5.3	2.5	0.5
Evansville	431	76	116	29.73	30.22	+.08	34.1	+0.6	71	16	42	−3	1	27	29	30	25	73	1.42	−2.3	9	7,530	sw.	42	w.	24	7	15	9	5.4	1.1	0.3
Indianapolis	822	194	230	29.22	30.14	+.02	28.9	+0.5	65	14	37	−8	1	21	28	26	21	75	1.74	−1.2	9	8,826	sw.	42	w.	20	10	6	15	5.7	1.2	0.4
Royal Center	736	11	55	29.27	30.12	----	25.2	----	62	14	32	−10	2	18	27	----	----	----	1.91	----	4	8,669	sw.	42	w.	20	7	7	17	6.4	0.3	0.2
Terre Haute	575	96	129	29.51	30.15	----	30.0	----	65	14	38	−6	1	22	26	27	23	79	1.83	----	7	7,196	sw.	37	w.	20	12	6	13	5.5	1.8	T.
Cincinnati	627	11	51	29.45	30.15	+.03	31.2	+0.9	68	14	39	−3	1	23	31	27	23	76	1.65	−1.8	7	6,883	sw.	33	w.	19	13	2	16	5.4	1.4	T.
Columbus	822	179	222	29.20	30.11	.00	29.6	+1.0	63	14	37	−1	1	22	28	26	22	78	1.44	−1.6	7	7,838	w.	50	w.	24	10	6	15	6.1	1.7	T.
Dayton	899	137	173	29.13	30.13	----	29.9	+0.4	64	14	37	−4	1	22	28	26	22	76	1.37	−1.6	8	8,007	sw.	44	w.	19	8	10	13	6.1	1.0	T.
Elkins	1,947	59	67	28.00	30.15	+.03	30.9	+0.5	63	14	40	−4	2	22	30	26	21	75	2.81	−0.5	13	5,578	w.	33	w.	25	5	7	19	7.0	7.8	1.8
Parkersburg	637	77	82	29.47	30.15	+.03	33.4	+0.9	68	14	42	2	2	25	31	28	24	73	1.46	−1.7	9	5,267	sw.	34	sw.	25	9	4	18	6.9	0.5	0.0
Pittsburgh	842	353	410	29.15	30.09	−.02	30.8	+0.1	62	14	38	2	1	24	29	26	20	69	1.30	−1.8	10	9,202	sw.	60	w.	19	4	13	14	7.1	1.2	0.1
Lower Lake Region							**26.7**	**+2.2**										**80**	**1.95**	**−0.7**										**7.6**		
Buffalo	767	247	280	29.09	29.95	−.12	26.2	+1.6	47	14	32	5	30	20	27	24	21	83	3.14	−0.2	20	17,139	sw.	62	w.	20	0	7	24	8.5	30.6	4.3
Canton	448	10	61	29.40	29.91	----	18.2	+1.9	43	13	27	−14	16	10	36	----	----	----	2.67	−0.5	21	8,600	w.	50	sw.	1	4	7	20	7.5	14.8	3.0
Oswego	335	76	91	----	29.94	−.13	27.2	+3.3	47	15	34	3	21	20	37	----	----	83	2.17	−0.8	22	----	sw.	39	w.	25	0	4	27	----	31.7	4.8
Rochester	523	86	102	29.37	29.96	−.11	27.6	+3.0	52	14	34	3	30	21	33	24	19	73	2.03	−0.9	18	8,559	sw.	37	w.	25	2	5	24	8.5	12.8	4.5
Syracuse	597	97	113	29.30	29.96	−.11	28.2	+5.2	51	15	35	6	21	22	39	----	----	----	1.25	−0.9	18	9,620	w.	45	w.	25	2	5	24	8.2	8.8	2.0
Erie	714	130	166	29.21	30.00	−.08	28.0	+1.2	59	14	34	2	30	22	30	25	21	76	1.85	−0.9	15	13,303	sw.	50	sw.	19	2	6	23	7.9	10.0	1.0
Cleveland	762	190	201	29.19	30.04	−.05	28.4	+1.9	60	14	35	0	3	22	32	25	21	78	2.03	−0.5	15	11,016	sw.	50	w.	20	3	6	22	7.8	9.8	0.7
Sandusky	629	5	67	29.36	30.06	−.03	28.5	+2.2	58	14	35	−1	3	22	27	----	----	----	1.53	−0.7	12	8,380	sw.	35	w.	20	4	11	16	7.1	3.6	1.0
Toledo	628	208	243	29.34	30.05	−.04	27.9	+2.1	57	14	35	0	3	21	31	25	21	77	1.48	−0.7	11	11,985	sw.	52	w.	20	6	9	16	6.9	3.9	0.5
Fort Wayne	856	113	124	29.11	30.07	----	26.8	−0.1	60	14	34	−5	1	19	29	24	21	82	1.51	----	7	8,191	sw.	39	w.	19	7	9	15	6.1	2.0	T.
Detroit	730	218	258	29.19	30.01	−.07	26.4	+2.0	54	14	32	2	3	20	26	24	21	84	1.36	−0.7	11	9,176	sw.	38	w.	20	4	8	19	7.5	5.5	2.0
Upper Lake Region							**21.0**	**+2.5**										**83**	**1.35**	**−0.5**										**7.0**		
Alpena	609	13	92	29.23	29.92	−.12	21.9	+2.8	47	10	29	−2	30	15	28	20	18	83	1.54	−0.4	14	8,139	w.	38	nw.	20	4	12	15	7.0	10.8	3.2
Escanaba	612	54	60	29.25	29.94	−.11	19.0	+3.6	45	10	26	−5	3	12	35	17	14	82	1.09	−0.4	7	6,500	nw.	32	n.	14	9	6	16	6.2	7.9	8.0
Grand Haven	632	54	89	29.29	30.00	−.07	26.0	+1.7	46	14	31	1	30	21	22	25	23	86	1.58	−0.8	15	10,677	w.	53	nw.	19	3	3	25	8.5	8.8	2.1
Grand Rapids	707	70	87	29.21	30.01	−.05	26.0	+1.5	53	14	31	1	30	21	25	24	21	81	1.32	−1.0	14	5,138	w.	32	w.	19	1	9	21	8.1	10.4	3.0
Houghton	668	64	99	29.16	29.92	−.13	17.4	+2.7	41	6	23	−4	3	12	27	----	----	----	3.00	+1.0	19	7,928	w.	36	nw.	20	2	4	25	8.5	29.4	17.6
Lansing	878	11	62	29.02	30.00	----	24.1	+1.7	51	14	30	−5	30	18	25	23	22	92	1.50	−0.3	13	5,279	sw.	22	nw.	20	3	10	17	7.4	5.6	1.9
Ludington	637	60	66	29.25	29.97	----	24.4	----	41	14	29	−4	30	20	22	24	21	85	1.48	----	15	9,423	w.	40	w.	19	5	3	23	7.8	16.0	6.3
Marquette	734	77	111	29.10	29.93	−.11	19.9	+3.6	48	6	27	−4	3	13	29	17	14	83	1.83	−0.5	15	7,083	w.	34	nw.	19	4	9	18	7.4	17.6	17.4
Port Huron	638	70	120	29.26	29.97	−.09	24.8	+2.5	49	14	31	−2	30	19	25	22	19	82	1.15	−0.7	8	9,088	sw.	44	w.	19	4	11	17	6.8	7.1	3.2
Sault Sainte Marie	614	11	52	29.19	29.92	−.11	15.8	+2.5	39	6	23	−10	28	9	30	15	12	84	2.35	+0.2	19	5,685	w.	33	nw.	19	3	4	24	8.3	21.0	16.6
Chicago	673	7	131	29.32	30.08	−.02	25.2	+1.5	60	14	32	−6	2	19	27	23	18	73	0.73	−1.2	7	8,840	sw.	41	nw.	19	11	8	12	5.9	0.6	T.
Green Bay	617	109	141	29.30	29.99	−.07	18.8	+3.1	48	12	26	−9	28	12	32	17	14	82	0.36	−1.3	7	8,504	w.	38	w.	19	10	7	14	6.0	3.9	1.7
Milwaukee	681	125	221	29.26	30.03	−.05	23.3	+2.7	52	14	30	−6	28	17	27	21	17	76	0.36	−1.4	5	10,835	w.	39	nw.	19	11	8	12	5.4	2.0	T.
Duluth	1,133	5	47	28.72	30.00	−.09	10.8	+2.9	42	10	19	−27	2	2	35	10	8	93	0.70	−0.3	8	10,307	w.	61	nw.	19	12	11	8	4.8	7.0	9.5
North Dakota							**13.4**	**+8.8**										**82**	**0.15**	**−0.4**										**4.9**		
Moorhead	940	50	58	29.02	30.09	−.05	12.6	+8.8	43	10	22	−25	2	4	41	11	9	87	0.22	−0.4	6	5,813	sw.	36	nw.	19	10	6	15	5.7	1.6	6.9
Bismarck	1,674	8	57	28.26	30.14	+.01	15.2	+7.4	45	12	25	−34	2	6	38	13	9	79	0.23	−0.2	3	5,556	nw.	38	nw.	19	13	11	7	4.4	4.2	4.0
Devils Lake	1,478	11	44	28.41	30.08	−.04	11.0	+10.7	41	10	20	−25	1	2	30	9	7	87	0.10	−0.5	6	6,942	w.	38	nw.	19	12	12	7	4.4	1.6	1.0
Ellendale	1,457	10	56	28.48	30.11	----	16.0	----	48	10	25	−26	2	7	35	----	----	----	0.26	----	6	9,637	nw.	52	nw.	19	9	10	12	5.5	2.2	1.0
Grand Forks	833	12	67	----	----	----	11.8	----	44	10	21	−22	2	2	41	9	----	----	0.29	----	5	----	nw.	46	nw.	19	13	9	9	----	3.6	3.8
Williston	1,878	41	48	28.07	30.15	+.04	14.6	+8.2	46	9	24	−32	1	6	41	13	9	77	0.05	−0.5	2	4,953	sw.	33	nw.	19	13	10	8	4.4	0.8	2.1
Upper Mississippi Valley							**25.9**	**+4.4**										**78**	**0.59**	**−1.0**										**5.2**		
Minneapolis	918	102	208	29.04	30.07	----	17.2	+4.5	46	10	25	−20	2	10	37	----	----	----	0.33	−0.5	7	7,992	w.	43	nw.	19	9	9	13	6.0	3.2	3.7
St. Paul	837	236	261	29.12	30.07	−.04	16.6	+4.0	45	10	24	−20	2	9	37	----	----	----	0.31	−0.6	6	8,452	sw.	50	w.	19	9	10	12	5.9	3.0	10.1
La Crosse	714	11	48	29.26	30.07	−.04	20.5	+4.4	50	10	29	−15	2	12	36	18	15	82	0.50	−0.6	9	3,162	nw.	20	nw.	19	7	12	12	5.9	3.4	0.5
Madison	974	70	78	28.96	30.07	−.03	21.0	+4.3	50	10	28	−11	2	14	36	19	17	86	0.40	−1.0	8	6,656	nw.	32	w.	19	10	8	13	5.5	1.7	1.3
Wausau	1,247	4	----	28.61	30.01	----	15.0	----	44	12	23	−20	2	7	35	----	----	----	0.52	----	7	----	w.	----	----	----	10	9	12	5.8	6.6	6.9
Charles City	1,015	10	49	28.98	30.10	−.04	21.0	+7.3	48	10	29	−17	2	13	33	19	16	86	0.27	−0.7	7	5,061	w.	29	nw.	19	10	14	7	4.6	1.3	1.0
Davenport	606	71	79	29.43	30.12	.00	26.1	+4.3	61	14	34	−9	2	18	31	24	20	81	0.34	−1.1	7	5,188	w.	30	nw.	19	11	8	12	5.4	2.5	0.6
Des Moines	861	84	97	29.18	30.13	−.01	28.0	+7.9	65	10	37	−8	1	19	32	24	19	71	0.11	−1.0	3	5,072	nw.	22	nw.	19	14	7	10	5.1	T.	0.0
Dubuque	700	81	96	29.30	30.09	−.03	23.8	+4.7	54	10	32	−10	2	16	33	22	18	81	0.20	−1.1	5	4,664	nw.	32	nw.	20	11	9	11	5.3	0.7	0.4
Keokuk	614	64	78	29.45	30.16	+.02	29.5	+4.6	64	14	37	−10	2	22	27	25	20	69	0.41	−1.2	2	5,931	sw.	36	nw.	19	12	10	9	4.9	0.8	T.
Cairo	358	87	93	29.82	30.21	+.05	36.6	+1.7	70	16	44	−2	1	29	31	32	26	70	1.65	−2.1	8	6,522	s.	39	sw.	24	11	10	10	5.4	T.	0.0
Peoria	609	11	45	29.45	30.14	+.02	26.5	+3.4	64	14	34	−14	2	18	26	24	21	85	0.36	−1.4	5	5,401	s.	28	nw.	19	16	7	8	4.2	1.0	0.4
Springfield, Ill	636	10	91	29.44	30.15	+.02	29.6	+3.1	67	14	37	−9	2	22	29	27	23	81	1.02	−1.0	5	6,344	w.	28	w.	19	13	5	13	5.3	1.9	0.4
Hannibal	534	74	109	29.56	30.16	+.03	30.9	+3.8	70	14	39	−14	2	22	29	----	----	----	0.41	−1.8	5	6,743	sw.	29	w.	19	15	7	9	4.6	0.6	T.
St. Louis	568	265	303	29.54	30.17	+.03	34.7	+3.9	71	14	43	−5	1	27	28	30	24	70	1.91	−0.4	4	9,234	sw.	37	w.	19	15	7	9	4.5	1.1	T.
Missouri Valley							**29.2**	**+6.3**										**73**	**0.22**	**−0.8**										**4.3**		
Columbia, Mo	784	11	84	29.30	30.17	+.04	32.8	+3.6	71	14	41	−9	1	24	27	----	----	----	0.94	−1.3	4	5,795	sw.	28	nw.	24	15	8	8	4.5	1.9	0.0
Kansas City	963	161	181	29.11	30.18	+.03	33.6	+5.4	64	14	41	−8	1	26	27	30	24	69	0.21	−1.0	3	7,709	sw.	36	w.	18	16	8	7	4.0	1.0	T.
St. Joseph	967	11	49	29.09	30.16	----	31.9	----	64	10	40	−8	1	23	29	27	21	69	0.02	----	2	5,693	sw.	33	nw.	19	15	10	6	3.8	0.1	T.
Springfield, Mo	1,324	98	104	28.72	30.16	+.02	37.0	+3.5	72	14	46	−8	1	28	26	32	25	68	0.72	−1.9	6	6,963	s.	30	nw.	24	16	8	7	4.0	0.9	0.0
Iola	984	11	50	29.10	30.20	+.06	34.2	+4.4	69	14	44	−12	3	24	35	----	----	----	0.20	−1.2	4	4,439	s.	22	ne.	24	19	5	7	4.0	0.5	0.0
Topeka	987	92	107	----	----	----	33.4	+5.8	68	10	43	−8	1	24	32	----	----	----	0.02	−0.9	2	6,152	sw.	30	nw.	24	18	8	5	3.2	0.2	0.0
Lincoln	1,189	11	81	28.85	30.16	+.01	30.4	+7.6	68	10	41	−11	1	20	43	25	17	64	0.06	−0.6	2	6,349	s.	40	nw.	19	14	7	10	4.7	0.3	0.0
Omaha	1,105	115	122	28.93	30.16	+.01	29.6	+7.7	67	10	38	−11	1	21	31	26	20	70	0.01	−0.7	1	5,496	nw.	31	nw.	19	13	11	7	4.3	T.	0.0
Valentine	2,598	47	54	27.36	30.18	+.06	27.0	+8.1	63	10	38	−22	1	16	42	22	18	76	0.26	−0.3	6	5,580	w.	38	nw.	19	12	12	7	4.5	3.4	T.
Sioux City	1,135	94	164	28.90	30.16	+.01	25.8	+8.0	62	10	34	−13	1	17	32	23	19	77	0.04	−0.5	3	7,814	nw.	45	nw.	19	13	11	7	4.7	0.3	T.
Huron	1,306	59	74	28.70	30.17	+.01	19.0	+7.7	51	12	29	−24	2	9	35	17	13	80	0.02	−0.5	1	5,515	nw.	33	nw.	19	13	10	8	4.5	0.3	T.
Pierre	1,572	70	75	----	30.20	+.07	22.8	+6.8	55	10	32	−22	1	14	40	----	----	84	0.14	−0.3	3	5,034	nw.	26	nw.	19	16	4	11	----	1.4	T.
Yankton	1,233	49	57	28.78	30.16	.00	24.5	+7.2	58	10	34	−15	1	15	38	----	----	----	0.02	−0.6	2	5,159	nw.	31	nw.	19	10	13	8	5.2	T.	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, January, 1928*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0–10	In.	In.
Northern Slope							**25.4**	**+5.4**										**73**	**0.54**	**−0.4**										**6.3**		
Billings	3,140	5	----	----	----	----	23.6	----	55	12	33	−24	1	14	50	----	----	----	1.63	----	9	----	nw.	----	----	----	13	8	10	----	25.0	----
Havre	2,505	11	44	27.43	30.18	+0.08	20.8	+7.9	50	9	30	−28	1	12	40	19	15	78	0.14	−0.6	5	5,976	sw.	31	sw.	8	11	5	15	6.0	2.3	T.
Helena	4,110	87	112	25.90	30.26	+.11	24.0	+3.8	55	10	32	−20	1	16	27	21	17	77	1.41	+0.5	10	4,433	sw.	52	sw.	11	4	6	21	7.5	19.0	3.8
Kalispell	2,973	48	56	27.09	30.27	+.15	23.3	+2.9	49	12	29	−9	1	18	19	22	20	88	1.15	−0.4	11	2,299	nw.	25	w.	12	1	5	25	8.5	10.9	9.0
Miles City	2,371	48	55	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Rapid City	3,259	50	58	26.66	30.22	+.12	27.4	+5.4	69	10	38	−19	1	17	33	22	16	64	0.18	−0.3	4	4,595	nw.	30	nw.	18	5	13	13	6.1	1.9	0.0
Cheyenne	6,088	84	101	24.01	30.15	+.10	31.8	+6.3	57	10	42	−13	1	22	48	24	16	56	0.33	−0.1	8	11,026	w.	50	w.	12	10	8	13	5.5	4.0	T.
Lander	5,372	60	68	24.69	30.26	+.14	23.2	+4.9	58	12	35	−15	1	11	41	18	12	66	0.31	−0.1	5	2,638	sw.	36	w.	13	10	18	3	4.8	3.1	T.
Sheridan	3,790	10	47	26.15	30.21	----	23.8	----	58	12	35	−28	1	12	39	21	17	79	1.36	----	11	2,395	nw.	32	nw.	18	4	16	11	6.7	15.5	6.0
Yellowstone Park	6,241	11	48	23.95	30.30	+.16	22.2	+4.6	42	9	30	−6	20	15	26	20	16	75	0.70	−1.5	12	5,453	s.	28	s.	13	5	4	22	7.3	7.9	8.4
North Platte	2,821	11	51	27.15	30.19	+.07	30.3	+7.4	67	13	43	−13	1	17	42	24	20	76	0.13	−0.3	2	4,207	w.	26	nw.	19	16	9	6	3.9	1.3	0.0
Middle Slope							**36.4**	**+6.0**										**59**	**0.17**	**−0.5**										**3.5**		
Denver	5,292	106	113	24.76	30.15	+.10	36.6	+6.8	70	10	48	−10	1	25	38	28	16	48	0.24	−0.2	3	5,177	s.	28	ne.	2	19	10	2	3.5	3.9	0.0
Pueblo	4,685	80	86	25.35	30.16	+.11	34.8	+4.9	71	12	51	−14	1	18	53	27	16	53	0.01	−0.3	1	4,338	nw.	31	w.	23	18	10	3	3.2	0.0	0.0
Concordia	1,392	50	58	28.67	30.20	+.06	32.9	+6.5	67	10	44	−10	1	22	44	27	19	63	0.11	−0.6	3	4,910	nw.	28	nw.	24	17	7	7	3.9	1.0	T.
Dodge City	2,509	11	51	27.52	30.21	+.10	36.6	+7.6	76	14	51	−6	1	22	44	27	18	58	0.03	−0.4	2	5,426	nw.	24	nw.	19	26	2	3	2.1	0.3	0.0
Wichita	1,358	139	158	28.70	30.18	+.05	36.3	+5.0	68	14	46	−4	1	26	32	31	24	66	0.10	−0.7	3	7,663	s.	32	s.	23	19	7	5	3.3	0.5	0.0
Broken Arrow	765	11	56	29.36	30.21	----	39.9	----	73	14	50	1	1	29	34	----	----	----	1.30	----	3	8,372	s.	46	nw.	24	17	5	9	4.7	0.0	0.0
Oklahoma City	1,214	10	47	28.88	30.21	+.10	41.5	+5.1	75	14	52	2	1	31	34	33	26	64	0.51	−0.8	2	6,484	s.	30	nw.	24	19	4	8	3.9	T.	0.0
Southern Slope							**45.0**	**+2.2**										**52**	**0.42**	**−0.3**										**3.7**		
Abilene	1,738	10	52	28.36	30.21	+.12	46.0	+1.8	82	14	58	9	1	34	40	36	26	53	0.95	0.0	2	5,722	s.	25	s.	23	10	12	9	4.8	0.0	0.0
Amarillo	3,676	10	49	26.38	30.19	+.13	41.4	+6.1	78	14	55	−1	1	28	42	31	20	51	T.	−0.6	0	5,631	sw.	30	sw.	18	24	4	3	2.5	0.0	0.0
Del Rio	944	64	71	29.19	30.20	+.14	49.8	−2.5	80	30	60	20	1	40	42	43	36	68	0.71	−0.1	6	4,644	se.	28	nw.	26	15	5	11	4.9	0.9	0.0
Roswell	3,566	75	85	26.48	30.16	+.12	42.8	+3.6	76	14	60	9	1	26	54	31	14	37	0.00	−0.4	0	5,063	s.	34	nw.	18	22	6	3	2.7	0.0	0.0
Southern Plateau							**43.3**	**+2.6**										**47**	**T.**	**−0.7**										**2.5**		
El Paso	3,778	152	175	26.32	30.18	+.17	46.4	+1.4	70	14	59	18	1	34	35	35	20	39	T.	−0.5	0	5,082	nw.	39	w.	23	24	3	4	2.3	T.	0.0
Santa Fe	7,013	38	53	23.31	30.20	+.16	33.8	+5.0	56	14	46	9	1	22	34	25	14	47	0.01	−0.7	1	4,386	ne.	25	n.	18	24	5	2	2.5	T.	0.0
Flagstaff	6,907	10	59	23.44	30.21	+.16	28.0	+1.3	58	13	45	−7	19	11	46	22	----	62	1.11	----	3	----	n.	----	sw.	----	23	5	3	----	16.0	T.
Phoenix	1,108	10	82	28.96	30.13	+.10	53.2	+2.0	78	28	69	28	19	37	39	42	28	45	T.	−1.2	0	2,604	e.	15	ne.	27	16	11	4	3.3	0.0	0.0
Yuma	141	9	54	30.00	30.15	+.10	56.6	+2.2	80	12	70	33	17	44	32	45	31	41	T.	−0.4	0	3,877	n.	23	n.	27	24	5	2	2.0	0.0	0.0
Independence	3,957	5	25	26.12	30.22	+.15	42.0	+3.8	72	29	57	15	18	27	39	31	----	----	0.01	----	1	----	nw.	----	----	----	22	4	5	----	T.	0.0
Middle Plateau							**30.5**	**+2.3**										**72**	**0.37**	**−0.7**										**4.3**		
Reno	4,532	74	81	25.63	30.30	+.17	34.6	+2.1	57	12	46	7	16	23	39	30	25	70	0.14	−1.6	5	2,957	w.	34	sw.	13	13	12	6	4.5	0.5	0.0
Tonopah	6,090	12	20	----	----	----	33.6	----	56	9	41	8	16	26	23	28	21	59	0.12	----	1	----	w.	----	----	----	----	----	----	----	----	----
Winnemucca	4,344	18	56	25.83	30.35	+.19	29.2	+0.6	52	13	40	1	18	18	34	26	21	73	0.45	−0.6	5	4,036	sw.	22	w.	13	10	20	1	4.0	5.5	0.0
Modena	5,473	10	43	24.75	30.26	+.16	27.7	+1.0	54	13	39	−2	18	16	35	24	20	78	0.18	−0.6	4	4,917	w.	33	sw.	14	17	11	3	3.6	2.4	0.0
Salt Lake City	4,360	163	203	25.82	30.33	+.18	30.2	+1.0	56	13	36	11	22	24	33	27	24	81	0.81	−0.5	6	3,021	nw.	26	n.	14	8	7	16	6.4	10.8	0.2
Grand Junction	4,062	60	68	25.56	30.25	+.19	30.6	+6.6	59	14	42	4	1	19	38	25	20	69	0.27	−0.2	3	2,646	se.	29	w.	23	19	11	1	3.2	0.9	0.0
Northern Plateau							**29.3**	**+0.6**										**85**	**1.76**	**+0.2**										**8.4**		
Baker	3,471	48	53	26.65	30.36	+.20	25.6	+0.7	46	13	33	3	18	18	23	24	22	85	1.02	−0.3	15	3,483	se.	16	se.	13	3	5	23	8.1	11.0	1.5
Boise	2,739	78	86	27.42	30.39	+.20	29.4	−0.4	44	29	35	15	18	24	19	27	25	83	1.96	+0.2	11	2,030	nw.	14	se.	29	6	7	18	7.3	8.1	0.0
Lewiston	757	40	48	29.45	30.29	+.13	33.6	+1.1	50	11	38	10	1	29	17	----	----	----	2.46	+0.9	12	2,272	e.	15	ne.	8	1	3	27	8.9	12.6	0.0
Pocatello	4,477	60	68	25.64	30.32	+.12	28.9	+4.2	50	13	35	5	22	22	32	26	22	77	0.46	−0.2	8	5,842	se.	30	sw.	14	3	6	22	8.0	5.8	0.0
Spokane	1,929	101	110	28.18	30.31	+.19	28.6	+1.1	45	12	33	6	1	24	17	28	27	90	1.75	−0.3	11	2,709	ne.	21	s.	11	0	2	29	9.4	9.3	4.7
Walla Walla	991	57	65	29.20	30.32	+.17	29.7	−3.0	56	12	34	6	1	26	22	28	27	89	2.88	+0.9	14	1,905	s.	14	sw.	12	2	1	28	8.9	14.5	0.6
North Pacific Coast Region							**42.4**	**+2.1**										**86**	**6.26**	**−0.7**										**8.5**		
North Head	211	11	56	29.87	30.10	+.05	45.2	+3.1	59	27	49	31	1	41	16	43	41	86	7.43	−0.6	22	12,278	se.	50	s.	7	4	1	26	8.5	0.0	0.0
Port Angeles	29	8	53	----	30.16	----	41.3	----	56	8	46	23	1	37	15	----	----	----	3.41	−2.0	16	3,341	sw.	18	w.	13	3	4	24	----	3.0	0.0
Seattle	125	215	250	30.03	30.16	+.11	42.3	+2.8	58	8	47	22	1	38	15	41	38	86	4.97	+0.2	18	4,498	se.	30	s.	11	0	2	29	9.2	2.3	0.0
Tacoma	194	172	201	29.96	30.18	+.14	41.4	+2.6	56	9	46	19	15	36	19	----	----	----	6.03	−0.1	23	3,566	s.	28	s.	11	0	8	23	8.8	4.0	0.0
Tatoosh Island	86	9	53	30.00	30.10	+.12	44.1	+2.9	56	9	47	28	1	42	12	42	41	89	13.96	+1.8	21	14,105	e.	66	e.	1	4	4	23	8.2	1.3	0.0
Yakima	1,071	5	----	----	----	----	29.0	----	54	12	34	8	1	24	28	28	----	86	1.41	----	10	----	nw.	----	----	----	2	3	26	8.8	13.1	1.0
Medford	1,425	4	80	28.69	30.24	----	39.8	----	64	29	48	19	17	32	26	37	35	87	2.08	----	11	----	nw.	26	se.	28	3	7	21	8.1	0.6	0.0
Portland, Oreg.	153	68	106	30.05	30.22	+.14	38.6	−0.8	59	11	43	15	1	34	18	36	34	83	5.11	−1.5	18	3,510	e.	23	sw.	12	1	7	23	8.0	2.0	0.0
Roseburg	510	75	99	29.64	30.21	+.11	43.1	+1.9	62	1	50	26	13	36	30	42	40	87	2.90	−2.4	17	1,537	s.	15	s.	29	3	6	22	8.1	0.0	0.0
Middle Pacific Coast Region							**48.1**	**+0.7**										**80**	**2.10**	**−2.6**										**6.1**		
Eureka	62	73	89	30.15	30.22	+.12	50.0	+3.1	67	1	56	30	16	44	24	47	44	82	3.58	−4.0	13	4,157	se.	27	w.	13	5	6	20	7.0	0.0	0.0
Red Bluff	332	50	56	29.90	30.27	+.15	44.8	−1.0	67	27	52	23	18	38	28	42	38	79	2.37	−2.4	10	2,747	nw.	24	nw.	15	9	7	15	6.2	0.0	0.0
Sacramento	69	106	117	30.18	30.25	+.13	46.6	+0.8	64	29	52	29	16	41	23	44	41	82	1.17	−2.6	8	3,967	se.	20	nw.	14	8	9	14	6.1	0.0	0.0
San Francisco	155	208	243	30.06	30.23	+.12	50.4	+0.5	63	27	55	40	18	46	16	47	43	78	2.40	−2.1	9	4,098	n.	30	nw.	13	11	10	10	5.5	0.0	0.0
San Jose	141	12	110	30.09	30.24	----	48.6	+0.3	72	28	58	26	18	39	30	----	----	----	0.98	−2.0	7	2,745	nw.	19	w.	13	8	12	11	5.5	0.0	0.0
South Pacific Coast Region							**55.3**	**+3.6**										**63**	**0.10**	**−2.1**										**4.0**		
Fresno	327	89	98	29.90	30.27	+.17	46.6	+0.4	72	29	54	29	16	39	28	43	39	76	0.08	−1.5	3	2,316	e.	22	nw.	22	13	6	12	5.4	T.	0.0
Los Angeles	338	159	191	29.79	30.16	+.08	61.4	+6.8	84	12	72	40	16	51	26	49	37	46	0.02	−3.1	1	3,450	ne.	15	sw.	15	21	9	1	2.7	0.0	0.0
San Diego	87	62	70	30.04	30.13	+.06	57.8	+3.5	81	27	67	40	18	49	28	50	44	66	0.21	−1.8	2	3,177	nw.	24	s.	15	16	10	5	3.9	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.95	30.04	----	74.4	−0.6	80	21	79	66	11	70	13	----	----	----	3.87	−0.8	27	10,332	e.	34	e.	30	3	25	3	5.7	0.0	0.0
Panama Canal																																
Balboa Heights	118	7	97	29.78	29.85	+.02	80.0	+0.1	90	21	88	69	3	72	18	73	72	----	0.02	−0.8	1	----	nw.	----	n.	----	10	21	0	4.6	0.0	0.0
Colon	38	7	97	29.86	29.89	+.02	81.6	+0.1	88	19	87	73	29	76	13	74	72	----	1.71	−1.9	19	----	n.	----	n.	----	1	27	3	5.8	0.0	0.0
Alaska																																
Juneau	80	11	54	[1] 29.75	[1] 29.84	----	33.0	----	46	7	37	19	23	29	18	32	29	84	13.46	----	21	5,179	se.	32	se.	7	5	3	23	8.0	14.6	2.2
Hawaiian Islands																																
Honolulu	38	86	100	[1] 30.05	[1] 30.09	----	71.8	----	80	10	76	64	1	68	13	64	61	69	1.97	−1.8	13	7,803	e.	31	e.	14	8	14	9	5.3	0.0	0.0

[1] Pressure not corrected to mean of 24 hours.

TABLE 2.—*Data furnished by the Canadian Meteorological Service, January, 1928*

Station	Altitude above mean sea level Jan. 1, 1919	Pressure			Temperature of the air						Precipitation		
		Station reduced to mean of 24 hours	Sea level reduced to mean of 24 hours	Departure from normal	Mean max. + mean min. ÷ 2	Departure from normal	Mean maximum	Mean minimum	Highest	Lowest	Total	Departure from normal	Total snowfall
	Feet	*Inches*	*Inches*	*Inches*	*° F.*	*° F.*	*° F.*	*° F.*	*° F.*	*° F.*	*Inches*	*Inches*	*Inches*
Cape Race, N. F	99				26.2		31.9	20.6	45	3	5.31		21.4
Sydney, C. B. I	48												
Halifax, N. S	88												
Yarmouth, N. S	65												
Charlottetown, P. E. I	38												
Chatham, N. B	28												
Father Point, Que	20	29.77	29.80	−0.18	9.3	+1.3	17.0	1.6	34	−10	3.05	+0.20	30.5
Quebec, Que	296	29.52	29.86	−.16	10.4	+1.3	17.5	3.3	34	−14	6.35	+2.34	61.8
Doucet, Que	1,236												
Montreal, Que	187	29.66	29.88	−.16	15.9	+4.2	23.8	8.1	39	−10	3.89	+0.16	37.3
Ottawa, Ont	236	29.63	29.91	−.12	15.2	+5.6	24.1	6.3	39	−16	3.70	+0.71	35.3
Kingston, Ont	285	29.60	29.94	−.11	21.4	+4.3	27.9	14.9	40	−6	2.62	−0.83	15.0
Toronto, Ont	379	29.51	29.94	−.11	25.2	+3.8	30.9	19.5	44	1	2.30	−0.62	9.3
Cochrane, Ont	930				0.1		9.9	−9.6	32	−34	1.57		15.7
White River, Ont	1,244	28.46	29.84	−.17	2.7	+3.1	16.2	−10.7	34	−46	1.23	−0.46	12.3
London, Ont	808				23.1		29.1	17.2	44	−18	4.58		38.0
Southampton, Ont	656	29.17	29.91	−.12	22.3	+1.9	28.2	16.4	40	−5	4.13	+0.08	29.6
Parry Sound, Ont	688	29.16	29.89	−.12	17.2	+3.4	24.3	10.2	38	−16	3.57	−0.51	33.5
Port Arthur, Ont	644	29.20	29.94	−.13	12.0	+8.9	20.5	3.4	41	−21	0.55	−0.27	5.5
Winnipeg, Man	760	29.15	30.02	−.09	8.5	+15.3	15.7	1.3	41	−25	0.39	−0.49	3.7
Minnedosa, Man	1,690	28.12	30.04	−.06	7.5	+14.7	16.3	−1.3	40	−30	0.24	−0.56	2.4
Le Pas, Man	860				3.0		12.4	−6.4	43	−39	0.23		1.3
Qu'Appelle, Sask	2,115	27.68	30.04	−.04	10.0	+13.8	19.0	1.0	44	−36	0.24	−0.26	2.4
Moose Jaw, Sask	1,759				14.6		24.2	5.0	46	−35	0.16		1.5
Swift Current, Sask	2,392	27.43	30.07	−.02	16.3	+13.2	25.7	7.0	46	−34	0.33	−0.31	8.3
Medicine Hat, Alb	2,144												
Calgary, Alb	3,428												
Banff, Alb	4,521												
Prince Albert, Sask	1,450	28.40	30.06	−.03	7.4	+15.8	17.9	−3.0	49	−41	0.12	−0.85	1.2
Battleford, Sask	1,592	28.25	30.08	.00	10.8	+16.7	21.7	0.0	52	−41	0.10	−0.30	1.0
Edmonton, Alb	2,150												
Kamloops, B. C	1,262												
Victoria, B. C	230	29.90	30.16	+.19	41.8	+3.3	44.7	38.9	52	24	6.12	+0.73	7.6
Barkerville, B. C	4,180												
Estevan Point, B. C	20												
Prince Rupert, B. C	170												
Hamilton, Ber	151	30.05	30.22	+.09	63.7	+1.7	70.4	57.1	75	51	3.94	−1.00	0.0

LATE REPORTS FOR NOVEMBER AND DECEMBER, 1927

NOVEMBER, 1927

Winnipeg, Man	760	29.23	30.10	+0.06	17.3	−0.7	23.0	11.5	48	−10	0.95	−0.13	6.5

DECEMBER, 1927

Sydney, C. B. I	48	29.81	29.86	−0.03	31.7	+3.5	37.5	25.9	58	15	5.34	+0.71	22.0
Halifax, N. S	88	29.64	29.75	−.21	31.0	+3.4	37.8	24.3	58	10	6.49	+1.37	6.4
Yarmouth, N. S	65	29.81	29.88	−.10	33.7	+3.0	39.2	28.3	56	16	5.28	+0.51	14.5
Charlottetown, P. E. I	38	29.79	29.83	−.11	29.1	+4.8	34.9	23.4	59	11	4.45	+0.79	31.2
Chatham, N. B	28	29.81	29.84	−.10	22.0	+5.0	30.0	14.0	51	−8	4.92	+1.70	37.6
Father Point, Que	20	29.92	29.95	.00	22.0	+6.6	28.7	15.3	46	2	4.72	+1.89	38.4
Winnipeg, Man	760	29.30	30.20	+.18	−2.8	−6.9	3.9	−9.5	23	−28	0.66	−0.25	6.6
Medicine Hat, Alb	2,144	27.74	30.14	+.17	0.7	−17.5	10.4	−9.1	44	−35	0.57	+0.02	5.7
Calgary, Alb	3,428	26.38	30.19	+.25	3.2	−15.0	12.5	−6.1	49	−32	1.29	+0.70	12.9
Banff, Alb	4,521	25.30	30.18	+.24	2.4	−16.7	10.8	−6.0	40	−45	1.15	+0.06	11.5
Edmonton, Alb	2,150	27.70	30.15	+.22	−2.8	−15.9	4.8	−10.4	38	−40	0.97	+0.27	7.7
Kamloops, B. C	1,262	28.89	30.26	+.32	13.9	−15.0	18.6	9.3	40	−25	3.50	+2.72	33.2
Barkerville, B. C	4,180	25.56	30.04	+.16	8.7	−12.2	14.3	3.1	35	−27	5.20	+2.03	52.0
Estevan Point, B. C	20				38.2		43.6	32.9	54	22	9.63		1.2
Prince Rupert, B. C	170				32.0		36.5	27.5	50	15	9.25		14.3