CLIMATOLOGICAL SUMMARY.

By Mr. JAMES BERRY, Chief of the Climatological Division.

TEMPERATURE AND PRECIPITATION BY SECTIONS, FEBRUARY, 1908.

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

The mean temperatures 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 temperature and precipitation are based only on records from stations that have ten or more years of observation. Of course the number of such records is smaller than the total number of stations.

Section.	Temperature—in degrees Fahrenheit.								Precipitation—in inches and hundredths.					
	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.
Alabama	44.4	− 2.0	Livingston	79	29	Riverton	8	2	6.30	+ 0.92	Evergreen	11.24	Highland Home	2.47
Arizona	47.9	− 0.3	Casagrande Parker	90 90	29 26	Grand Canyon	−15	14	2.31	+ 1.18	Pinal Ranch	6.90	Parker	0.00
Arkansas	44.2	+ 3.0	Camden Ozark	78 78	29 29	Pond	0	2	5.26	+ 1.35	Arkansas City	12.70	Fulton	1.92
California	46.8	− 1.0	Heber	92	27	Tamarack	−18	26	3.99	+ 0.59	Monumental	14.99	Needles	0.00
Colorado	27.4	+ 2.5	Lamar Holly	77 77	27 29	Rangely	−29	14	0.86	− 0.08	Durango	3.98	Canon City	0.00
Florida	56.4	− 3.6	Brooksville	87	13	3 stations	20	2,3	2.36	− 1.50	DeFuniak Springs	6.11	2 stations	0.70
Georgia	44.1	− 2.0	Waycross	82	13	Dahlonega Diamond	9 9	2 2	5.70	0.00	Greenbush	8.70	St. George	1.94
Hawaii	68.4†	.....	Waialua Mill, Oahu	87	26	Humuula, Hawaii	30	19,20	8.04‡	.....	Waikaumalo, Hawaii	29.12	WaiopaeRanch, Maui	0.00
Idaho	29.8	+ 1.7	Emmett	69	26	3 stations	−42	1	1.02	− 0.40	Burke	4.94	Caldwell	0.04
Illinois	28.9	+ 2.4	4 stations	65	14,29	Riley	−13	2	4.31	+ 1.94	Golconda	10.31	Ottawa	1.53
Indiana	29.0	+ 0.5	Marengo	66	13	Hammond South Bend	− 9 − 9	1 3	5.70	+ 2.84	Princeton	9.35	Salamonia	1.54
Iowa	24.3	+ 5.1	Keokuk	59	12	Decorah Thurman	−16 −16	2 2	1.69	+ 0.63	Olin	3.95	Clear Lake	0.23
Kansas	36.5	+ 6.7	Eldorado	79	23	Norton	−11	1	1.90	+ 0.91	Columbus	6.19	Lindsborg	0.45
Kentucky	35.6	+ 1.5	Catlettsburg	73	11	Scott Williamstown	2 2	2 2	5.56	+ 2.19	Blandville	8.32	Williamsburg	1.81
Louisiana	52.7	+ 0.9	Franklin	83	13	Minden	18	2,3	5.86	+ 0.69	Ferriday	11.31	Lakeside	1.27
Maryland and Delaware	29.6	− 1.3	Millsboro, Del Salisbury, Md	68 68	15 15	Taneytown, Md	−15	9	4.18	+ 0.66	Emmittsburg, Md	7.02	Salisbury, Md	1.37
Michigan	18.9	− 0.1	Clinton	56	11	Omer	−27	9	3.44	+ 1.67	Pontiac	6.93	Croton	0.80
Minnesota	17.9	+ 6.8	St. Cloud	55	13	Detroit	−36	19	1.11	+ 0.40	Redwing	2.30	Faribault	0.29
Mississippi	47.3	− 0.2	Natchez	77	29	Okolona	13	2	7.95	+ 2.71	Natchez	11.41	Pecan	3.94
Missouri	35.6	+ 4.9	4 stations	78	29	Unionville	− 7	2	4.32	+ 2.01	New Madrid	9.35	Grant City	0.73
Montana	25.1	+ 4.1	Graham	68	27	Bowen	−55	1	0.87	+ 0.09	Snowshoe	6.21	Busby	T.
Nebraska	28.7	+ 5.1	Bridgeport	76	27	Fort Robinson	−24	1	1.06	+ 0.34	Blair	3.32	7 stations	T.
Nevada	34.6	+ 1.6	Leetville	79	27	Potts	−10	14	1.07	− 0.22	Hamilton	5.20	Mill City	0.01
New England*	20.7	− 2.6	Boston, Mass	60	15	Van Buren, Me	−38	5	4.31	+ 0.52	Waterbury, Conn	6.86	Bloomfield, Vt	2.00
New Jersey	28.1	− 1.5	Browns Mills	65	15	Layton	−17	10	4.79	+ 0.92	Charlotteburg	6.44	Cape May	2.85
New Mexico	37.7	+ 0.3	Monument Roswell	80 80	29 29	Tres Piedras	−12	19	0.93	+ 0.18	Frisco	2.92	3 stations	0.00
New York	18.8	− 2.8	3 stations	60	14-16	Indian Lake Keepewa	−42 −42	5 5	3.78	+ 1.02	Lake George (1)	7.40	Hemlock Lake	0.72
North Carolina	38.6	− 2.4	Ramseur	75	15	Mount Airy	− 4	3	4.76	+ 0.17	Hendersonville	8.19	Hatteras	2.60
North Dakota	13.8	+ 7.7	Chilcot	62	23	Mayville	−34	1	1.07	+ 0.51	Langdon	4.85	Flasher	T.
Ohio	27.7	+ 1.2	Thurman	66	12	Rome	−22	9	4.10	+ 1.51	North Lewisburg	6.45	New Berlin	1.93
Oklahoma	42.3	+ 5.9	Chandler Eldorado	90 90	28 28	Hurley	− 2	1	2.66	+ 1.92	Tulsa	5.41	Erick	0.25
Oregon	38.8	+ 1.2	Bay City Umatilla	78 78	22 26	Wallowa	−13	1	3.35	− 1.87	Glenora	12.62	2 stations	T.
Pennsylvania	24.8	− 2.4	Aleppo	64	12	Lawrenceville	−29	9	4.65	+ 1.64	Mauch Chunk	8.15	Lawrenceville	2.51
Porto Rico	73.0	.....	Yauco	91	27	Aibonito Maricao	50 50	26 27,28	4.22	.....	Isolina	9.09	Santa Isabel	0.35
South Carolina	43.6	− 1.5	Blackville	81	29	Camden	12	3	5.28	+ 0.66	Effingham	9.06	Bennettsville	2.98
South Dakota	21.3	+ 5.6	Hermosa	71	26	Bowdle	−29	1	1.08	+ 0.64	Milbank	4.04	2 stations	0.10
Tennessee	39.6	+ 0.2	Sevierville	75	14	Mountain City	− 3	3	4.87	+ 0.02	Center Point	7.73	Birds Bridge	2.13
Texas	50.8	+ 1.5	Fort McIntosh Graham	90 90	24 29	Plemons	− 2	1	2.65	+ 1.04	Houston	9.01	4 stations	0.00
Utah	31.2	+ 2.0	Milford	80	28	Woodruff	−34	1	1.16	− 0.30	Ibapah	3.76	Tropic	0.23
Virginia	32.4	− 2.8	Doswell	71	15	Dale Enterprise	− 5	3,9	3.79	+ 0.35	Speers Ferry	6.44	Riverton	2.14
Washington	36.7	+ 0.5	Mottingers Ranch	67	26	Cusick	−28	2	3.91	− 0.13	Forks	21.05	Wahluke	0.01
West Virginia	30.9	+ 0.1	Logan	72	12	Green Sulphur Sp'gs.	−10	8	3.72	+ 0.10	Terra Alta	6.26	Green Sulphur Sp'gs.	1.77
Wisconsin	20.5	+ 5.2	Whitehall	55	24,25	Osceola	−29	2	1.65	+ 0.52	Sturgeon Bay	3.53	3 stations	0.82
Wyoming	24.1	+ 2.9	Luther	77	27	Norris, Y. N. P	−51	1	0.53	− 0.39	Lake, Y. N. P	3.63	Lusk	0.00

* Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut. † 51 stations, with an average elevation of 737 feet. ‡ 146 stations.

DESCRIPTION OF TABLES AND CHARTS.

By Mr. P. C. DAY, Assistant Chief, Division of Meteorological Records.

For description of tables and charts see page 8 of REVIEW for January, 1908.

TABLE I.—*Climatological data for U. S. Weather Bureau stations, February, 1908.*

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, in inches.			Wind.									
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness during daylight, tenths.	Total snowfall.
New England.							22.9	− 3.1										74	3.92	+ 0.5										5.4	
Eastport	76	69	85	29.90	29.99	+ .01	20.6	− 0.8	48	15	30	−10	5	12	44	18	14	74	3.71	− 0.1	10	9,653	w.	69	se.	1	6	10	13	6.8	17.8
Greenville	.....	.....	.....	28.77	29.99	.....	11.4	.....	48	15	....	−19	5	....	....	....	....	....	4.93	.....	....	.....	....	....	....	....	....	....	....	....	....
Portland, Me.	103	81	117	29.90	30.03	+ .01	21.4	− 2.4	48	15	29	− 5	5	18	33	19	13	72	3.72	− 0.1	10	7,150	nw.	61	se.	1	13	6	10	5.2	23.5
Concord	288	70	79	29.73	30.06	+ .02	19.8	− 3.8	55	15	29	−11	5	10	40	....	....	....	3.31	− 0.1	11	4,574	nw.	28	sw.	2	20	1	8	3.4	27.8
Burlington	404	12	47	29.61	30.09	+ .06	14.3	− 6.6	52	15	23	−27	5	5	32	....	....	....	2.27	+ 0.8	13	8,151	s.	40	s.	1	6	11	12	6.1	18.9
Northfield	876	16	70	29.06	30.06	+ .02	11.8	− 5.4	50	15	23	−35	5	1	40	10	7	82	4.44	− 2.1	14	5,951	s.	34	sw.	15	5	12	12	6.4	41.3
Boston	125	115	188	29.90	30.04	.00	26.8	− 1.2	60	15	35	− 2	5	19	33	23	16	66	2.96	− 0.6	10	8,992	nw.	43	se.	1	11	9	9	5.1	9.3
Nantucket	12	14	90	30.02	30.03	− .01	28.4	− 4.2	50	15	35	3	9	22	34	26	23	82	3.71	+ 0.5	12	12,605	w.	58	se.	1	8	7	14	6.7	3.6
Block Island	26	11	46	30.02	30.05	− .01	28.6	− 2.6	53	15	36	4	9	22	32	26	20	70	3.53	− 0.9	9	16,950	nw.	60	sw.	2	12	8	9	4.8	2.8
Narragansett	.....	9	.....	.....	.....	.....	26.8	− 1.5	52	15	36	− 2	5	18	38	....	....	....	3.81	.....	11	.....	nw.	....	.....	....	19	2	8	....	8.0
Providence	160	57	67	29.88	30.06	+ .01	26.0	− 3.0	57	15	35	− 2	5	17	35	22	16	68	4.00	+ 0.4	11	6,481	w.	37	w.	2	10	11	8	5.0	9.8
Hartford	159	122	132	29.88	30.07	+ .01	24.2	− 3.0	56	15	33	− 6	5	16	34	21	15	71	4.98	+ 1.3	12	5,624	nw.	48	s.	15	11	8	10	5.2	18.6
New Haven	106	116	155	29.96	30.08	+ .01	26.0	− 2.3	53	15	34	− 3	5	18	32	23	16	68	6.44	+ 2.6	10	7,989	nw.	54	se.	1	11	9	9	4.9	20.0
Mid. Atlantic States.							29.4	− 3.7										73	3.53	+ 0.4										5.7	
Albany	97	102	115	29.98	30.10	+ .03	19.6	− 4.0	54	15	28	−15	5	11	37	18	14	81	2.77	+ 0.2	11	4,071	s.	22	se.	1	10	9	10	5.2	20.6
Binghamton	871	78	90	29.10	30.08	.00	18.8	− 5.9	56	15	28	−21	5	9	45	....	....	....	3.09	+ 1.1	14	5,800	nw.	35	se.	1	4	7	18	7.4	19.1
New York	314	108	350	29.73	30.08	.00	28.1	− 2.6	56	15	35	1	5	21	30	25	19	69	5.36	+ 1.5	11	11,035	nw.	58	w.	2	11	10	8	4.9	13.7
Harrisburg	374	94	104	29.70	30.12	+ .03	25.6	− 4.3	54	15	32	1	5	19	28	23	18	72	5.01	+ 2.2	10	6,631	w.	42	w.	2	10	9	10	5.5	26.4
Philadelphia	117	116	184	29.99	30.12	+ .02	31.2	− 1.6	63	15	38	5	5	24	27	28	23	73	3.21	− 0.3	10	8,467	nw.	42	se.	15	9	13	7	5.1	10.5
Scranton	805	111	119	29.18	30.09	+ .01	23.1	− 3.8	58	15	31	− 7	5	15	35	20	15	71	4.40	+ 1.6	16	6,231	sw.	34	s.	15	5	6	18	7.0	16.8
Atlantic City	52	37	48	30.06	30.12	+ .01	30.1	− 2.9	49	15	37	6	5	23	28	27	22	72	2.94	− 0.4	10	6,867	nw.	43	se.	1	8	9	12	6.1	2.8
Cape May	17	48	52	30.13	30.15	+ .04	31.2	− 2.9	50	15	37	6	5	25	32	29	....	....	2.85	− 0.5	11	8,080	nw.	48	s.	15	7	15	7	5.5	3.4
Baltimore	123	100	113	29.98	30.12	+ .01	31.2	− 3.4	66	15	38	9	9	24	28	28	21	67	4.71	+ 1.1	10	5,691	nw.	32	sw.	1	9	10	10	5.5	12.1
Washington	112	59	76	30.00	30.14	+ .03	30.8	− 3.7	67	15	38	6	9	24	30	27	19	64	3.98	+ 0.4	9	6,257	nw.	36	nw.	2	11	8	10	5.2	18.6
Cape Henry	18	11	58	30.12	30.14	+ .03	38.0	− 3.2	70	15	45	17	3	31	28	....	....	....	2.19	+ 1.7	10	10,403	n.	46	w.	2	8	4	17	5.4	0.3
Lynchburg	681	83	88	29.38	30.15	+ .04	34.1	− 4.1	63	15	42	12	9	26	27	30	25	72	2.85	− 0.8	10	3,766	nw.	27	nw.	20	11	10	8	5.3	12.1
Mount Weather	1,725	10	54	28.18	30.11	.00	24.6	− 4.5	58	15	31	4	9	18	30	22	19	81	3.85	+ 0.6	11	13,311	nw.	60	nw.	2	10	9	10	5.9	16.8
Norfolk	91	102	111	30.04	30.14	+ .03	39.0	− 2.8	68	15	46	19	3	32	27	34	28	69	2.79	− 1.1	9	7,524	n.	45	sw.	1	9	7	13	5.8	0.3
Richmond	144	145	153	29.97	30.14	+ .03	36.6	− 3.3	68	15	45	15	9	28	27	....	....	....	3.92	+ 0.7	10	6,368	w.	49	s.	15	9	11	9	5.6	7.8
Wytheville	2,293	40	47	27.66	30.15	+ .03	29.4	− 5.7	61	14	37	3	2	22	34	26	23	82	2.56	− 1.7	17	5,975	w.	36	w.	1	7	8	14	6.2	16.7
S. Atlantic States.							44.0	− 3.9										74	3.58	− 0.6										4.9	
Asheville	2,255	53	75	27.72	30.17	+ .04	38.4	− 5.1	61	14	42	5	3	25	33	30	28	84	3.10	− 1.7	15	7,995	nw.	38	nw.	1	10	5	14	5.5	14.8
Charlotte	773	68	76	29.29	30.15	+ .03	38.4	− 5.7	63	14	46	17	3	31	27	33	25	65	3.75	− 0.8	13	5,734	ne.	40	sw.	15	8	9	12	6.0	2.1
Hatteras	11	12	47	30.12	30.13	+ .02	43.8	− 2.8	62	15	50	25	2	38	24	41	38	83	2.60	− 2.0	9	12,073	ne.	48	nw.	2	12	8	9	4.9	T.
Manteo	.....	.....	.....	.....	.....	.....	42.3	.....	65	14	50	20	3	35	....	....	....	....	2.40	− 2.0	8	.....	ne.	....	.....	....	16	7	6	....	
Raleigh	376	71	79	29.73	30.15	+ .04	39.2	− 4.1	66	14	48	16	3	31	27	34	28	68	3.66	− 0.8	10	5,458	w.	32	s.	15	11	11	7	5.0	0.1
Wilmington	78	81	91	30.07	30.16	+ .04	45.6	− 2.1	67	15	54	21	3	37	28	41	37	78	5.68	+ 2.2	10	7,311	w.	42	sw.	15	12	9	8	5.0	
Charleston	48	14	92	30.10	30.15	+ .03	48.5	− 3.2	68	13	56	26	3	41	25	44	41	79	3.15	− 0.4	8	9,972	nw.	46	sw.	15	14	8	7	4.1	
Columbia, S. C.	351	41	57	29.76	30.15	+ .04	43.4	− 4.4	69	29	53	20	3	34	32	38	31	68	3.74	− 1.0	12	6,455	w.	40	w.	15	10	8	11	5.7	
Augusta	180	89	97	29.96	30.16	+ .04	44.6	− 4.4	74	14	54	21	3	35	35	39	33	69	3.75	− 0.8	13	6,325	w.	36	w.	15	14	6	9	4.4	
Savannah	65	81	89	30.09	30.16	+ .04	49.4	− 3.1	71	13	58	25	3	41	28	43	36	66	4.62	+ 1.2	10	7,284	nw.	34	w.	15	14	5	10	4.5	
Jacksonville	43	101	129	30.12	30.16	+ .04	53.2	− 3.7	76	13	62	28	3	45	26	48	45	81	2.98	− 0.6	10	7,773	nw.	38	sw.	15	17	5	7	4.0	
Florida Peninsula.							62.4	− 3.6										75	1.37	− 1.1										3.7	
Jupiter	28	10	48	30.10	30.13	+ .05	62.0	− 4.3	82	1	70	40	21	54	26	57	54	79	1.96	− 1.2	11	9,415	nw.	35	e.	9	10	14	5	4.6	
Key West	22	10	53	30.10	30.12	+ .05	66.6	− 4.2	80	14	72	51	21	61	17	61	57	76	1.73	0.0	9	8,056	ne.	40	nw.	15	13	14	2	3.9	
Sand Key	25	41	71	30.08	30.11	+ .04	67.0	.....	81	6	71	54	21	63	13	....	....	....	0.70	− 1.0	10	12,302	ne.	42	w.	15	16	8	5	4.0	
Tampa	35	79	96	30.13	30.17	+ .07	58.7	− 2.2	80	11	67	33	3	50	29	51	46	70	1.10	− 2.2	7	6,830	ne.	32	w.	27	20	7	2	2.2	
East Gulf States.							47.6	− 3.3										68	4.98	+ 0.1										5.4	
Atlanta	1,174	190	216	28.89	30.16	+ .04	40.2	− 5.0	67	29	48	16	2	33	32	34	27	66	4.40	− 0.4	11	11,253	nw.	56	nw.	1	13	5	11	4.8	T.
Macon	370	55	66	29.77	30.18	+ .06	45.1	− 3.8	73	14	55	22	3	36	34	....	....	....	3.77	− 0.9	11	4,643	nw.	23	w.	1	12	6	11	5.2	
Thomasville	273	8	58	29.87	30.18	+ .06	50.0	− 5.0	79	13	62	23	3	38	37	43	38	72	4.66	0.0	11	5,305	nw.	38	sw.	15	16	6	7	4.0	
Pensacola	56	79	96	30.12	30.18	+ .07	51.6	− 3.9	70	14	59	29	3	44	26	....	....	....	3.96	− 0.7	9	8,335	nw.	44	se.	9	11	4	14	5.4	
Anniston	741	9	58	29.38	30.19	+ .07	41.8	− 4.0	71	29	51	16	3	32	35	....	....	....	4.39	− 0.4	8	6,281	nw.	37	se.	10	8	4	17	6.7	T.
Birmingham	700	11	48	29.39	30.18	+ .06	43.9	− 4.4	69	29	52	17	2	35	32	37	31	66	4.90	0.0	9	6,812	nw.	43	se.	25	10	6	13	5.8	T.
Mobile	57	98	106	30.11	30.17	+ .06	52.1	− 1.1	68	23	60	30	2	44	29	46	41	72	4.35	− 1.2	8	5,835	nw.	36	se.	9	11	9	9	5.1	
Montgomery	223	100	112	29.93	30.19	+ .07	46.6	− 4.7	75	13	56	23	3	38	28	40	33	65	3.55	− 2.2	8	6,173	nw.	31	sw.	14	8	9	12	6.1	
Meridian	375	84	93	29.75	30.16	+ .05	46.2	− 2.9	72	29	56	20	3	37	36	41	35	69	8.29	+ 3.2	6	5,327	nw.	30	w.	14	12	3	14	5.7	
Vicksburg	247	62	74	29.87	30.16	+ .06	50.2	− 0.7	74	29	59	24	2	42	28	44	38	66	8.39	+ 3.6	10	6,455	se.	38	nw.	15	10	7	12	5.9	T.
New Orleans	51	88	121	30.10	30.15	+ .06	55.4	− 0.9	78	13	63	33	2	48	26	49	43	70	4.14	− 0.4	6	7,680	se.	40	se.	18	12	7	10	4.9	
West Gulf States.							50.3	+ 1.1										70	3.27	+ 0.5										5.0	
Shreveport	249	77	84	29.87	30.15	+ .06	49.8	− 0.2	75	28	58	23	2	41	31	43	37	66	4.78	+ 1.1	10	6,345	se.	38	w.	14	14	4	11	5.1	
Bentonville	1,303	11	44	28.68	30.08	− .02	40.6	+ 2.1	75	29	51	7	2	30	36	....	....	....	3.98	+ 1.4	10	5,891	nw.	27	s.	5	9	9	11	5.7	8.4
Fort Smith	457	79	94	29.61	30.10	.00	44.2	+ 2.4	77	29	54	14	1	35	34	39	33	70	2.48	− 0.3	10	7,732	e.	46	nw.	18	11	9	9	4.9	T.
Little Rock	357	139	147	29.74	30.13	+ .02	46.0	+ 1.9	72	28	54	18	2	38	33	40	34	68	3.32	− 1.0	11	8,387	e.	45	sw.	14	11	8	10	5.0	T.
Corpus Christi	20	48	53	30.10	30.12	+ .07	59.7	+ 2.0	79	18	67	38	2	52	29	53	48	72	1.09	− 1.0	7	7,795	se.	37	se.	28	9	10	10	5.3	
Fort Worth	670	106	114	29.40	30.13	+ .06	49.7	+ 1.6	85	29	60	20	1	40	33	....	....	....	2.45	+ 1.1	7	8,786	s.	53	nw.	14	16	4	9	4.5	
Galveston	54	106	112	30.10	30.16	+ .09	55.0	− 0.6	73	18	60	32	2	50	23	52	50	86	3.35	+ 0.1	9	9,507	se.	46	nw.	14	11	9	9	4.9	
Palestine	510	78	79	29.58	30.12	+ .04	50.8	− 0.1	77	29	60	23	2	42	30	45	38	68	4.45	+ 0.9	10	7,046	s.	42	w.	14	11	5	13	5.5	
San Antonio	701	80	91	29.38	30.12	+ .06	55.3	+ 0.9	80	28	66	27	20	45	34	47	40	61	2.42	+ 0.6	7	5,562	se.	38	nw.	14	15	5	9	4.8	
Taylor	583	55	63	29.51	30.14	+ .08	52.0	+ 0.7	78	29	62	24	20	42	32	....	....	....	4.41	+ 1.7	9	6,986	nw.	36	nw.	14	15	4	10	4.5	
Ohio Val. and Tenn.							34.6	− 1.6										73	4.51	+ 0.6										6.9	
Chattanooga	762	106	112	29.34	30.18	+ .05	40.8	− 2.9	67	14	49	13	2	33	28	36	29	68	4.90	− 0.2	16	5,614	nw.	36	se.	25	8	7	14	6.1	0.5
Knoxville	1,004	93	100	29.06	30.14	+ .02	38.4	− 2.4	70	14	46	12	2	30	30	33	27	68	2.87	− 2.2	11	4,435	w.	31	w.	1	4	8	17	7.2	T.
Memphis	399	76	97	29.72	30.15	+ .04	44.4	+ 1.1	70	29	52	16	2	37	34	39	34	70	5.36	+ 0.9	12	8,497	nw.	48	w.	14	12	5	12	5.6	T
Nashville	546	79	91	29.56	30.15	+ .03	40.6	− 0.5	66	14	48	14	2	33	32	36	29	68	4.15	− 0.3	12	6,237	w.	42	se.	5	7	4	18	6.9	T.
Lexington	989	75	102	29.02	30.13	+ .02	33.2	− 2.4	63	14	40	5	2	26	36	....	....	....	4.81	+ 1.5	16	10,164	w.	49	sw.	1	8	8	18	7.0	6.0
Louisville	525	111	132	29.52	30.13	+ .02	35.4	− 1.2	65	14	42	7	2	28	32	31	27	73	5.68	+ 1.8	15	7,885	w.	42	w.	1	6	6	17	6.7	4.7
Evansville	431	72	82	29.62	30.11	.00	35.8	0.0	63	14	42	8	2	30	28	....	....	....	6.26	+ 3.1	16	6,816	w.	38	w.	1	7	8	14	6.6	7.9
Indianapolis	822	154	164	29.17	30.09	− .01	29.4	− 1.3	54	14	36	0	2	23	33	26	23	80	4.46	+ 1.3	13	9,379	w.	44	sw.	1	3	7	19	7.9	11.1
Cincinnati	628	152	160	29.41	30.11	+ .01	33.1	− 1.3	62	14	41	3	2	26	34	29	24	70	4.50	+ 1.2	12	6,989	w.	40	w.	1	7	5	17	7.1	3.2
Columbus	824	173	224	29.18	30.09	.00	29.6	− 1.4	58	14	37	1	2	22	33	27	22	76	3.66	+ 0.5	14	10,538	nw.	46	w.	6	6	8	15	7.0	4.3
Pittsburg	842	336	352	29.15	30.09	.00	28.0	− 3.8	60	15	36	− 1	9	20	32	25	20	76	2.89	+ 0.1	17	9,484	w.	56	w.	1	4	10	15	6.9	13.5
Parkersburg	638	77	84	29.44	30.11	+ .01	32.2	− 1.7	63	12	40	7	2	24	32	29	26	79	3.29	− 0.1	11	6,075	nw.	42	nw.	15	5	9	15	7.1	4.3
Elkins	1,940	41	50	27.98	30.14	+ .04	28.3	− 3.2	64	13	37	1	9	20	40	25	21	78	3.22	− 0.1	20	4,174	w.	30	w.	1	6	5	18	7.3	14.3
Lower Lake Region.							21.2	− 3.3										81	3.90	+ 1.4										6.9	
Buffalo	767	178	206	29.18	30.05	− .01	21.4	− 2.6	50	14	28	− 8	5	14	36	19	16	82	5.18	+ 2.2	23	12,341	w.	76	sw.	1	3	11	15	7.2	36.1
Canton	448	10	71	29.55	30.06	.....	11.6	− 6.4	43	13	21	−40	5	2	45	....	....	....	3.94	+ 1.3	14	8,033	w.	56	sw.	1	7	8	14	6.6	27.5
Oswego	335	76	91	29.67	30.05	− .01	18.8	− 5.1	52	15	26	−18	5	11	35	18	16	86	4.70	+ 2.0	20	9,765	s.	44	w.	2	4	3	22	7.8	29.0
Rochester	523	81	102	29.46	30.06	.00	21.2	− 2.7	52	15	28	− 5	5	15	28	19	15	78	2.44	− 0.5	18	7,584	w.	44	sw.	1	2	9	18	7.6	19.8
Syracuse	597	97	113	29.38	30.06	− .01	19.2	− 4.6	56	15	27	−17	5	11	39	....	....	....	2.23	+ 0.4	20	9,674	s.	62	s.	6	4	10	15	7.1	16.3
Erie	713	92	102	29.25	30.06	− .01	23.4	− 2.7	56	15	30	− 4	9	16	35	21	17	78	2.65	− 0.3	16	9,864	w.	54	w.	1	9	7	13	6.0	17.2
Cleveland	762	190	201	29.21	30.04	− .03	25.0	− 1.8	53	13	32	0	9	18	29	23	18	74	4.66	+ 2.0	22	12,472	se.	60	w.	1	5	7	17	7.1	30.5
Sandusky	629	62	70	29.35	30.06	− .01	25.4	− 1.7	54	14	32	4	2	19	26	....	....	....	3.70	+ 1.2	15	7,467	w.	33	nw.	15	7	5	17	6.7	15.8
Toledo	628	207	246	29.36	30.07	.00	24.4	− 2.4	53	13	31	1	2	18	25	23	19	82	4.55	+ 2.5	15	12,184	sw.	55	sw.	5	8	6	15	6.3	22.2
Detroit	730	218	258	29.23	30.06	.00	21.8	− 3.2	49	13	28	− 2	9	16	28	20	18	87	4.95	+ 2.7	13	11,999	w.	58	sw.	5	6	6	17	6.8	38.4
Upper Lake Region.							19.4	+ 0.4										80	2.56	+ 0.8										7.3	
Alpena	609	13	92	29.35	30.05	+ .02	17.0	− 0.8	42	13	26	−13	9	8	33	15	12	82	1.84	0.0	16	8,937	nw.	52	se.	5	3	11	15	7.3	25.8

TABLE I.—*Climatological data for U. S. Weather Bureau stations, February, 1908*—Continued.

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.											Precipitation, in inches.			Wind.								
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total movement miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness during daylight, tenths.	Total snowfall.
Up. Lake Reg—Cont.																															
Escanaba	612	40	82	29.37	30.07	+ .01	17.8	+ 2.5	44	13	25	— 5	2	11	31	16	12	76	2.38	+ 1.0	12	8,503	n.	37	n.	26	1	12	16	7.4	23.7
Grand Haven	632	54	92	29.33	30.05	.00	22.6	— 1.6	47	11	29	1	8	16	27	21	18	80	2.84	+ 0.8	16	11,221	nw.	50	sw.	5	2	6	21	8.2	20.9
Grand Rapids	707	121	162	29.25	30.05	.00	22.4	— 3.1	50	11	29	— 1	9	16	29	20	17	83	2.69	+ 0.7	15	9,921	nw.	44	sw.	5	3	4	22	8.0	17.6
Houghton	668	66	74	29.30	30.06	+ .01	17.2	+ 1.2	47	11	25	— 6	24	10	48	....	....	....	1.93	+ 0.2	18	5,790	nw.	33	n.	26	0	9	20	8.4	21.9
Marquette	734	77	116	29.24	30.07	+ .02	18.4	+ 2.5	44	11	24	3	2	13	27	17	13	78	3.63	+ 1.8	14	9,518	nw.	46	nw.	26	0	13	16	7.9	34.9
Port Huron	638	70	120	29.34	30.05	.00	20.0	— 2.0	45	13	27	— 6	9	13	37	18	14	80	3.26	+ 1.0	10	9,821	nw.	46	w.	6	10	5	14	6.3	22.1
Sault Sainte Marie	614	40	61	29.34	30.08	+ .05	12.0	— 1.4	41	13	20	—21	8	4	35	10	7	83	2.64	+ 1.2	13	6,681	nw.	37	e.	5	4	5	20	7.7	24.7
Chicago	823	140	310	29.15	30.08	.00	26.7	+ 1.3	50	12	32	— 2	2	21	29	24	21	79	3.72	+ 1.5	11	12,860	nw.	54	w.	5	7	5	17	6.9	19.8
Milwaukee	681	122	139	29.31	30.08	+ .02	23.8	+ 1.9	45	12	30	— 7	2	18	29	22	19	81	2.87	+ 0.9	10	9,899	nw.	50	se.	5	7	7	15	6.2	25.3
Green Bay	617	49	86	29.36	30.05	— .01	19.0	+ 1.8	44	12	27	—11	2	11	30	17	13	77	1.75	+ 0.1	9	8,806	nw.	52	ne.	18	2	7	20	7.7	16.9
Duluth	1,133	11	47	28.79	30.07	— .01	16.2	+ 2.6	41	24	24	—12	2	9	29	14	10	78	1.14	+ 0.1	7	10,063	nw.	54	nw.	16	10	6	13	5.8	8.8
North Dakota.							14.0	+ 7.0										84	1.46	+ 0.9										6.1	
Moorhead	940	8	57	29.08	30.14	+ .03	14.6	+ 7.6	40	24	23	—20	1	6	33	14	12	90	2.18	+ 1.4	8	6,564	nw.	28	nw.	5	7	10	12	6.0	15.8
Bismarck	1,674	8	57	28.27	30.14	+ .02	16.8	+ 8.5	50	23	26	—21	1	7	35	14	10	75	1.07	+ 0.6	8	8,332	nw.	40	nw.	24	7	12	10	6.3	10.2
Devils Lake	1,482	11	44	28.45	30.11	.00	10.1	+ 5.6	42	24	20	—26	1	0	33	9	6	83	2.20	+ 1.6	9	8,629	w.	36	nw.	2	12	7	10	5.2	18.2
Williston	1,875	14	56	28.03	30.10	— .01	14.4	+ 6.5	44	23	24	—23	1	5	37	13	11	87	0.39	— 0.1	6	6,848	nw.	36	nw.	24	5	9	15	6.9	3.9
Upper Miss. Valley.							27.0	+ 2.4										77	2.72	+ 0.9										5.8	
Minneapolis	.....	102	208	.....	.....	.....	21.4	.....	52	24	29	— 8	1	14	33	....	....	....	0.98	+ 0.2	7	10,189	w.	39	nw.	25	10	8	11	5.4	10.6
St. Paul	837	171	179	29.14	30.09	.00	21.4	+ 6.4	51	24	29	—10	2	14	35	19	13	70	0.87	0.0	11	9,158	nw.	37	nw.	25	5	16	8	6.1	5.7
La Crosse	714	71	87	29.28	30.09	+ .01	22.6	+ 4.2	50	24	31	—11	2	15	39	....	....	....	1.71	+ 0.6	9	4,989	nw.	22	s.	12	7	4	18	6.7	11.1
Madison	974	70	78	28.97	30.08	+ .01	21.4	+ 1.8	46	12	28	—10	2	14	31	19	15	79	1.79	+ 0.2	9	9,481	nw.	54	ne.	19	8	3	18	6.5	11.4
Charles City	1,015	8	49	28.97	30.10	.00	21.5	+ 6.4	48	24	30	— 9	2	13	38	20	18	87	1.44	+ 0.4	8	6,805	nw.	28	sw.	24	6	7	16	6.9	12.5
Davenport	606	71	79	29.40	30.10	.00	26.1	+ 2.3	55	12	33	— 4	2	19	31	23	20	80	2.37	+ 0.8	10	7,795	nw.	33	nw.	5	13	4	12	5.4	13.9
Des Moines	861	84	101	29.14	30.09	— .02	26.1	+ 2.0	48	12	33	— 5	2	19	39	24	20	77	1.51	+ 0.4	7	7,591	nw.	30	n.	18	9	8	12	6.1	10.4
Dubuque	698	100	117	29.32	30.11	+ .02	24.0	+ 2.4	52	12	32	— 8	2	16	37	22	18	79	1.87	+ 0.4	8	6,341	nw.	28	n.	19	11	5	13	5.6	13.6
Keokuk	614	64	77	29.40	30.11	.00	28.9	+ 2.3	59	12	36	— 2	2	22	30	25	22	79	2.86	+ 1.2	9	7,630	nw.	38	w.	5	15	5	9	4.4	13.5
Cairo	356	87	93	29.73	30.13	+ .01	39.0	+ 1.4	65	14	46	10	2	32	28	35	29	71	6.98	+ 3.5	15	8,249	w.	43	se.	18	7	8	14	6.6	1.2
La Salle	536	56	64	29.50	30.10	+ .02	25.8	+ 0.8	52	12	32	— 4	2	19	28	....	....	....	2.76	+ 0.2	10	8,545	w.	34	w.	5	9	8	12	5.8	14.8
Peoria	609	11	45	29.41	30.10	.00	27.0	+ 1.1	55	12	34	— 3	2	20	35	24	20	78	3.98	+ 1.2	9	8,997	nw.	42	w.	5	13	6	10	4.7	12.3
Springfield, Ill	644	10	92	29.38	30.09	— .01	29.7	+ 0.6	52	12	36	2	2	23	28	26	22	75	4.28	+ 1.4	10	8,814	nw.	33	w.	1	11	5	13	5.7	17.2
Hannibal	584	75	109	29.49	30.09	— .02	30.2	+ 1.1	61	12	38	— 1	2	23	30	....	....	....	4.05	+ 2.4	12	9,102	nw.	39	sw.	12	11	6	12	5.8	11.9
St. Louis	567	208	217	29.45	30.08	— 03	34.3	+ 0.8	62	29	42	6	2	27	30	31	27	75	3.39	+ 0.5	13	9,315	nw.	44	w.	5	12	5	12	5.7	4.4
Missouri Valley.							29.3	+ 4.9										75	2.13	+ 1.0										5.6	
Columbia, Mo	784	11	84	29.24	30.10	— .01	33.1	+ 3.0	71	29	42	2	2	24	32	....	....	....	4.06	+ 1.8	13	8,488	nw.	40	sw.	5	12	6	11	5.4	14.9
Kansas City	963	116	181	29.03	30.10	— .01	34.4	+ 4.5	59	7	43	4	1	26	34	29	24	70	2.77	+ 1.1	10	11,254	nw.	53	nw.	5	10	11	8	4.8	4.6
Springfield, Mo	1,324	98	104	28.64	30.08	— .03	37.4	+ 3.8	76	29	46	4	2	28	34	33	29	79	4.92	+ 2.5	10	9,554	se.	43	sw.	5	13	7	9	5.1	6.7
Iola	984	11	50	29.02	30.10	.00	38.2	+ 6.2	71	28	49	5	2	28	36	....	....	....	2.93	+ 1.8	10	6,976	nw.	38	ne.	14	5	16	8	5.8	1.2
Topeka	.....	85	89	.....	.....	.....	35.2	+ 5.2	63	7	45	3	1	26	38	....	....	....	2.40	+ 1.0	11	7,427	nw.	37	nw.	5	10	11	8	4.9	1.8
Lincoln	1,189	11	84	28.79	30.10	.00	28.6	+ 3.8	56	22	37	— 4	1	20	40	25	21	74	2.13	+ 1.4	9	8,886	se.	44	n.	18	9	10	10	5.2	15.2
Omaha	1,105	115	121	28.88	30.11	.00	27.4	+ 3.7	49	22	34	— 1	1	20	33	25	21	76	2.14	+ 1.4	11	7,879	nw.	44	n.	18	6	8	15	6.6	15.3
Valentine	2,598	47	54	27.29	30.11	+ .02	25.8	+ 4.6	66	23	37	—12	1	14	46	22	17	74	0.40	— 0.2	7	8,220	nw.	40	nw.	5	9	14	6	5.0	3.4
Sioux City	1,135	96	164	28.84	30.11	— .01	24.0	+ 4.2	53	24	31	— 5	1	17	34	....	....	....	1.18	+ 0.6	9	10,216	nw.	50	nw.	5	9	8	12	5.8	6.7
Pierre	1,572	70	75	28.39	30.12	+ .01	24.2	+ 7.3	60	23	33	—13	1	15	33	21	15	70	0.46	0.0	7	7,925	nw.	40	nw.	24	8	12	9	5.7	2.4
Huron	1,306	56	67	28.68	30.15	+ .03	19.6	+ 6.7	53	24	23	—14	1	10	33	17	14	83	1.17	+ 0.7	8	8,009	se.	38	nw.	5	9	8	12	5.8	9.5
Yankton	1,233	49	57	28.74	30.12	.00	23.8	+ 5.6	54	24	32	— 7	1	16	32	....	....	....	0.99	+ 0.4	5	6,899	nw.	36	nw.	5	6	6	17	6.7	6.7
Northern Slope.							24.9	+ 3.7										73	0.78	— 0.1										5.6	
Havre	2,505	11	44	27.34	30.09	+ .02	18.6	+ 3.6	55	23	30	—15	18	8	42	17	15	86	0.75	+ 0.3	5	5,682	sw.	32	sw.	14	11	13	5	5.0	7.5
Miles City	2,371	26	48	27.49	30.15	+ .06	20.7	+ 3.9	56	23	32	—30	1	10	42	16	12	75	0.66	+ 0.1	6	3,742	ne.	28	nw.	24	8	9	12	5.9	5.8
Helena	4,110	8	56	25.78	30.10	— .01	28.0	+ 5.8	55	26	37	—14	1	19	30	23	17	63	0.29	— 0.3	4	4,308	sw.	45	w.	25	6	8	15	6.5	5.1
Kalispell	2,962	8	34	26.94	30.10	+ .02	26.2	+ 2.4	48	26	34	—13	1	18	32	24	21	82	0.81	— 0.7	15	2,448	w.	19	sw.	27	5	6	18	7.2	4.6
Rapid City	3,284	46	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Cheyenne	6,088	56	64	23.92	30.06	+ .03	29.7	+ 3.4	64	27	42	—14	1	17	41	23	14	55	0.20	— 0.4	7	7,380	nw.	42	nw.	4	10	14	5	4.5	1.8
Lander	5,372	26	36	24.59	30.13	+ .05	22.8	+ 1.0	59	27	37	—21	1	8	41	19	15	74	1.52	+ 0.8	4	1,962	ne.	26	sw.	29	6	21	2	4.7	15.2
Sheridan	3,790	9	47	26.06	30.09	.....	27.4	.....	65	27	40	—20	1	14	41	23	18	73	0.32	.....	7	4,221	nw.	44	nw.	27	9	13	7	5.0	7.5
Yellowstone Park	6,200	11	48	23.82	30.12	+ .02	23.2	+ 3.6	48	23	33	—26	1	13	35	20	16	73	1.22	— 0.7	10	5,130	sw.	26	sw.	26	8	6	15	6.2	18.4
North Platte	2,821	11	51	27.09	30.12	+ .05	30.2	+ 5.6	68	23	42	— 9	1	19	43	25	21	76	0.78	+ 0.4	5	5,764	n.	38	n.	24	13	4	12	5.4	4.9
Middle Slope.							37.6	+ 5.2										65	1.36	+ 0.6										4.8	
Denver	5,291	129	136	24.67	30.04	+ .03	35.0	+ 3.9	71	27	48	— 9	1	22	51	27	15	47	0.04	— 0.5	2	5,028	s.	34	n.	24	11	17	1	4.0	1.1
Leadville	10,248	7	.....	.....	.....	.....	20.0	.....	47	27	32	— 7	1	8	43	.....	.....	.....	0.58	.....	7	.....	n.	.....	.....	.....	.....	.....	.....	.....	13.6
Pueblo	4,685	80	86	25.24	30.03	+ .03	35.4	+ 3.6	70	27	50	0	1	21	55	28	18	56	0.69	+ 0.2	4	4,785	nw.	43	w.	29	18	9	2	3.4	5.2
Concordia	1,398	42	50	28.58	30.10	+ .01	34.1	+ 5.3	64	7	43	1	1	25	41	30	26	77	1.03	+ 0.2	7	5,868	nw.	38	nw.	5	9	13	7	5.3	2.0
Dodge	2,509	44	54	27.40	30.06	.00	37.8	+ 6.7	74	4	50	— 1	1	25	42	31	25	68	0.77	0.0	8	8,165	nw.	48	nw.	18	14	11	4	4.6	5.6
Wichita	1,358	78	86	28.63	30.10	+ .02	39.3	+ 6.3	70	28	50	5	1	29	39	34	27	69	2.50	+ 1.4	8	7,786	nw.	41	n.	18	5	15	9	5.8	0.8
Oklahoma	1,214	10	47	28.76	30.07	.00	44.0	+ 5.5	79	29	54	10	1	34	34	38	32	71	3.14	+ 2.1	8	12,877	s.	60	nw.	14	13	4	12	5.4	0.5
Southern Slope.							46.8	+ 2.3										59	0.43	— 0.7										6.0	
Abilene	1,738	45	54	28.26	30.10	+ .05	49.6	+ 4.3	84	29	61	15	2	38	37	41	32	57	0.11	— 1.0	3	7,368	s.	48	w.	14	9	11	9	5.3	
Amarillo	3,676	10	49	26.25	30.04	+ .02	40.4	+ 3.2	77	28	53	4	1	27	43	32	25	65	0.72	— 0.2	5	9,318	nw.	47	sw.	4	17	10	2	3.9	6.0
Del Rio	944	8	57	29.11	30.11	+ .11	54.0	+ 0.4	79	26	66	24	2	42	38	....	....	....	0.60	— 1.3	4	4,838	se.	44	w.	14	11	10	8	4.9	
Roswell	3,578	9	57	26.37	30.06	+ .08	43.0	+ 0.9	80	29	59	12	1	28	49	35	25	56	0.28	— 0.3	3	5,082	s.	38	nw.	24	8	11	10	5.7	0.4
Southern Plateau.							43.7	— 1.2										57	1.28	+ 0.1										4.0	
El Paso	3,762	110	133	26.20	30.00	+ .05	49.6	+ 0.7	76	27	62	26	2	38	36	38	22	36	0.26	— 0.2	3	8,787	nw.	54	w.	17	11	13	5	4.2	T.
Santa Fe	7,013	33	39	23.18	30.03	+ .05	33.4	+ 1.4	58	27	44	— 1	14	22	34	28	23	67	0.85	0.0	6	6,980	ne.	43	se.	13	17	9	3	3.6	7.6
Flagstaff	6,907	8	57	23.30	30.01	+ .01	28.2	— 2.6	60	26	41	—12	11	15	44	24	19	72	2.89	— 0.5	7	4,935	sw.	38	s.	9	10	9	10	5.3	19.1
Phoenix	1,108	50	56	28.85	30.02	+ .03	54.2	— 0.2	83	27	66	30	14	42	37	45	34	52	1.87	+ 1.2	6	3,063	e.	23	w.	9	15	11	3	4.0	
Yuma	141	9	58	29.89	30.05	+ .05	56.2	— 3.0	87	26	69	28	14	43	43	45	34	49	0.84	+ 0.2	4	4,621	w.	34	n.	13	23	4	2	2.4	
Independence	3,910	11	42	26.00	30.03	+ .05	40.4	— 3.3	70	24	51	23	4	30	35	35	28	65	0.98	— 0.3	8	4,503	nw.	40	n.	12	11	10	8	4.8	4.3
Middle Plateau.							53.5	+ 1.6										69	1.28	+ 0.2										5.0	
Reno	4,532	56	63	25.14	30.05	— .03	37.0	+ 1.4	72	26	49	15	13	25	46	31	22	59	0.32	— 1.5	5	3,521	w.	45	sw.	28	12	11	6	4.4	3.4
Tonopah	6,089	12	20	24.03	30.16	.....	31.4	+ 3.1	53	27	37	11	13	26	19	29	26	81	1.04	+ 0.2	8	7,806	se.	36	se.	9	10	11	8	4.5	10.5
Winnemucca	4,344	18	56	25.61	30.06	— .03	36.2	+ 2.9	69	26	49	12	13	24	46	31	24	66	0.23	— 0.7	4	5,032	sw.	44	sw.	28	12	9	8	4.9	2.0
Modena	5,479	10	43	24.59	40.02	— .02	32.8	+ 1.2	60	26	43	11	15	22	35	29	25	76	1.47	+ 0.7	3	6,712	w.	48	sw.	29	10	5	14	5.8	12.3
Salt Lake City	4,366	105	110	25.63	30.07	— .01	36.2	+ 3.3	62	27	44	13	1	29	22	31	24	63	1.24	— 0.2	7	3,978	se.	37	nw.	29	10	13	6	4.7	11.8
Durango	6,546	18	56	23.61	30.08	+ .08	28.4	— 1.5	53	28	41	— 5	15	16	38	24	18	68	3.98	+ 2.5	13	3,552	nw.	26	s.	10	8	12	9	5.5	25.4
Grand Junction	4,608	43	51	25.41	30.07	+ .03	32.4	+ 0.9	63	28	42	6	14	23	29	28	23	70	0.71	+ 0.1	8	2,964	e.	24	s.	29	12	8	9	5.1	6.0
Northern Plateau.							35.2	+ 3.1										73	1.13	— 0.4										6.4	
Baker City	3,471	48	58	26.45	30.10	— .02	33.6	+ 5.7	57	26	42	— 4	1	26	30	30	25	72	0.30	— 1.1	9	4,316	se.	26	se.	29	4	14	11	6.3	3.0
Boise	2,739	78	86	27.21	30.13	+ .01	37.8	+ 4.0	65	26	47	5	1	29	26	32	25	63	0.39	— 1.1	5	4,228	se.	26	se.	29	8	1	20	7.0	4.3
Lewiston	757	10	51	29.28	30.11	.00	38.4	+ 2.2	56	26	46	7	1	31	26	....	....	....	1.32	— 0.1	13	3,078	e.	39	nw.	26	4	5	20	7.6	0.5
Pocatello	4,477	46	54	25.50	30.14	+ .04	30.0	+ 1.9	55	27	39	—18	1	21	33	26	21	68	1.34	+ 0.4	7	6,209	se.	36	sw.	29	11	15	3	4.2	12.4
Spokane	1,929	101	110	28.01	30.11	+ .02	32.4	+ 2.3	51	26	39	— 4	1	26	23	30	28	83	1.36	— 0.6	15	3,445	ne.	26	sw.	27	1	17	11	6.8	4.5
Walla Walla †	1,000	71	79	29.01	30.14	.00	38.8	+ 2.4	61	15	46	2	1	31	29	36	33	81	2.07	+ 0.4	13	3,800	s.	33	se.	5	3	14	12	6.5	2.8
N. Pac. Coast Reg.							41.5	+ 0.8										82	5.25	— 0.4										7.2	
North Head	211	11	56	29.81	30.04	— .02	42.9	+ 0.8	60	21	47	28	1	39	17	42	40	90	5.11	— 0.9	21	12,826	e.	72	se.	5	5	5	19	7.7	
Port Crescent	259	12	29	29.78	30.02	— .01	37.4	+ 0.2	50	21	44	18	2	31	19	....	....	....	6.26	+ 1.4	20	3,735	ne.	18	ne.	28	1	9	19	7.6	
Seattle	123	185	224	29.94	30.08	+ .02	41.7	+ 1.2	56	22	47	25	1	36	23	40	37	85	4.24	+ 0.3	19	5,951	se.	44	sw.	5	3	8	18	7.5	3.0
Tacoma	213	113	120	29.82	30.05	— .01	41.2	+ 0.8	57	22	47	23	1	35	26	39	36	82	5.02	— 0.3	20	3,641	sw.	26	w.	5	7	7	15	6.7	2.0

TABLE I.—*Climatological data for U. S. Weather Bureau stations, February, 1908*—Continued.

Stations.	Elevation of instruments.			Pressure, in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, in inches.			Wind.									
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hrs.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness during daylight, tenths.	Total snowfall.
N. P. Coast Reg—Cont.																															
Tatoosh Island	86	7	57	29.89	29.99	— .01	42.4	+ 1.4	51	16	46	34	2	39	12	40	36	80	9.77	+ 0.8	21	11,733	e.	56	s.	5	7	2	20	7.3	0.1
Portland, Oreg	153	68	106	29.91	30.08	.00	42.8	+ 1.5	60	22	48	25	2	37	21	40	35	76	2.85	— 3.1	18	4,899	se.	33	s.	5	3	5	21	7.8	1.8
Roseburg	510	9	57	29.52	30.08	— .02	42.4	— 0.2	65	25	52	23	2	33	33	39	36	79	3.53	— 1.2	17	1,929	s.	18	se.	29	8	12	9	5.9	
Mid. Pac. Coast Reg.							43.7	— 0.9										81	4.82	+ 0.6										5.4	
Eureka	62	62	80	30.03	30.10	— .01	46.0	+ 0.8	60	20	52	33	13	40	25	44	42	86	6.59	— 0.7	16	4,837	se.	48	n.	19	7	12	10	6.0	
Mount Tamalpais	2,375	11	18	27.56	30.07	— .03	42.9	.....	66	26	48	32	12	38	18	41	39	88	5.70	+ 1.8	11	11,873	nw.	60	nw.	17	11	9	9	5.3	T.
Point Reyes Light	490	7	18	29.51	30.03	.....	49.0	.....	61	15	53	39	11	45	15	....	....	....	3.38	.....	9	15,807	nw.	73	n.	9	4	13	12	6.5	
Red Bluff	332	50	56	29.69	30.06	— .05	48.2	— 1.1	73	25	57	32	1	40	33	44	40	76	6.03	+ 2.3	10	4,349	se.	28	s.	29	12	6	11	5.1	
Sacramento	69	106	117	30.01	30.08	— .01	49.2	— 1.0	68	26	56	38	18	42	23	46	43	81	2.75	— 0.5	9	6,047	se.	31	ne.	8	8	12	9	5.3	
San Francisco	155	200	204	29.91	30.08	— .02	50.9	— 0.4	65	25	56	40	3	45	21	46	42	76	5.39	+ 1.6	9	4,467	w.	31	sw.	29	11	12	6	4.6	
San Jose	141	78	88	29.93	30.08	.....	49.4	— 1.2	70	26	58	30	13	41	32	....	....	....	2.46	— 1.4	12	4,084	nw.	36	se.	8	11	9	9	4.9	
Southeast Farallon	30	9	17	30.04	30.07	.....	50.4	.....	58	14	53	44	9	48	11	....	....	....	4.79	+ 0.9	10	12,537	n.	54	sw.	29	9	10	10	5.7	
S. Pac. Coast Reg.							52.0	— 0.6										74	2.85	+ 0.4										5.1	
Fresno	330	67	70	29.73	30.10	+ .02	49.4	+ 0.2	75	26	59	32	13	40	33	45	40	74	1.75	+ 0.4	7	1,866	e.	9	sw.	9	13	6	10	4.9	
Los Angeles	338	116	123	29.69	30.06	.00	54.2	+ 0.1	84	26	64	37	14	45	35	48	43	72	3.66	+ 0.6	7	3,445	ne.	24	ne.	12	9	8	12	5.9	
San Diego	87	94	102	29.97	30.07	+ .01	54.0	— 0.6	68	18	60	37	13	48	21	49	44	72	2.41	+ 0.4	8	4,108	nw.	35	s.	3	19	6	4	3.4	
San Luis Obispo	201	47	54	29.88	30.10	— .01	50.2	— 2.3	79	26	60	32	14	41	37	46	42	77	3.59	0.0	10	3,369	nw.	22	se.	9	8	8	13	6.1	
West Indies.																															
Grand Turk	11	6	20	30.04	30.05	— .01	74.8	.....	85	21	81	63	17	69	....	....	....	....	5.71	.....	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	
San Juan	82	48	90	29.95	30.04	— .01	75.2	.....	86	28	81	67	15	69	17	69	67	79	2.84	+ 0.4	18	6,960	e.	31	e.	10	9	14	6	4.9	
Panama.																															
Ancon	74	....	....	29.80	29.88	.....	81.8	.....	95	1	92	69	23	71	23	72	70	77	0.24	.....	1	6,840	nw.	25	n.	22	13	16	0	3.6	
Bas Obispo	40	....	....	29.72	29.90	.....	77.4	.....	88	28	86	64	25	68	23	71	68	83	0.11	.....	4	4,345	nw.	20	nw.	11	6	22	1	4.5	
Naos	....	....	....	....	....	.....	....	.....	....	....	....	....	....	....	....	....	....	....	....	.....	....	.....	.....	....	....	....	....	....	....	....	
Christobal	....	....	....	29.89	29.91	.....	79.6	.....	84	1	83	72	15	77	11	74	72	78	1.08	.....	15	11,740	ne.	31	n.	20	14	15	0	3.6	

* More than one date. † Record incomplete.

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.80 inch in 1 hour, during February, 1908, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Abilene, Tex	11			0.07				0.02													
Albany, N. Y	19			0.90														*			
Alpena, Mich	5-6			0.74														*			
Amarillo, Tex	11			0.10									0.03								
Anniston, Ala	14			1.26														0.45			
Asheville, N. C	14-15			0.99														0.31			
Atlanta, Ga	14	4:25 p. m.	D. N.	1.50	8:55 p. m.	9:20 p. m.	0.76	0.22	0.27	0.34	0.44	0.50	0.53								
Atlantic City, N. J	19			1.06														0.43			
Augusta, Ga	10			2.34														*			
Baltimore, Md	14-15			0.38														0.28			
Bentonville, Ark	14			1.97														0.42			
Binghamton, N. Y	26			0.66														0.25			
Birmingham, Ala	13-14			1.31														0.43			
Bismarck, N. Dak	12			0.48														*			
Block Island, R. I	19			1.43														0.25			
Boise, Idaho	3			0.24														*			
Boston, Mass	19			0.84														0.19			
Buffalo, N. Y	14-15			1.21														*			
Cairo, Ill	13-14			2.83														0.63			
Canton, N. Y	15			1.24														*			
Charles City, Iowa	4-5			0.68														*			
Charleston, S. C	13			0.57														0.51			
Charlotte, N. C	18-19			0.96														0.19			
Chattanooga, Tenn	12-13			0.99														0.33			
Cheyenne, Wyo	25-26			0.07														*			
Chicago, Ill	18-19			1.27														*			
Cincinnati, Ohio	14			1.84														0.43			
Cleveland, Ohio	14-15			1.45														0.40			
Columbia, Mo	18-19			1.11														*			
Columbia, S. C	1			0.28														0.27			
Columbus, Ohio	14-15			1.46														0.22			
Concord, N. H	1			0.74														*			
Corpus Christi, Tex	8			0.71					0.30												
Davenport, Iowa	4-5			0.82														*			
Del Rio, Tex	8			0.56														0.28			
Denver, Colo	12-13			0.04														*			
Des Moines, Iowa	18			0.78														*			
Detroit, Mich	14-15			1.45														0.14			
Dodge, Kans	13-14			0.41														*			
Dubuque, Iowa	18			0.78														*			
Duluth, Minn	4-5			0.59														*			
Eastport, Me	15-16			1.01														0.35			
Elkins, W. Va	15			0.73														0.30			
Erie, Pa	14-15			0.95														*			
Escanaba, Mich	5			1.16														*			
Evansville, Ind	14	D. N.	6:00 p. m.	2.02	2:08 p. m.	2:38 p. m.	0.85	0.10	0.16	0.20	0.28	0.39	0.53								
Fort Smith, Ark	24-25			1.40														0.29			
Fort Worth, Tex	11			1.07														*			
Galveston, Tex	8	6:42 p. m.	D. N.	1.14	10:03 p. m.	10:23 p. m.	0.56	0.11	0.24	0:45	0.56										
Grand Haven, Mich	5			0.88														*			
Grand Rapids, Mich	5			0.77														*			
Green Bay, Wis	24-25			0.63														*			
Hannibal, Mo	13-14			1.87														*			
Harrisburg, Pa	14-15			1.20														0.42			

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, etc.*—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Hartford, Conn	1			1.11														*			
Hatteras, N. C	14-15			0.81														0.48			
Huron, S. Dak	17-18			0.42														*			
Indianapolis, Ind	4-5			1.48														*			
Iola, Kans	18			0.63														0.29			
Jacksonville, Fla	1	3:50 a. m.	6:30 a. m.	0.89	3:57 a. m.	4:26 a. m.	0.02	0.11	0.25	0.44	0.53	0.64	0.70								
Jupiter, Fla	15	9:47 a. m.	12:10 p. m.	1.06	10:34 a. m.	10:59 a. m.	0.07	0.14	0.27	0.37	0.66	0.89									
Kansas City, Mo	13-14			1.41														0.82			
Keokuk, Iowa	18			0.91														*			
Key West, Fla	9-10			0.99														0.37			
Knoxville, Tenn	13-14			1.14														0.30			
La Crosse, Wis	4-5			0.58														*			
La Salle, Ill	18-19			0.82														*			
Lexington, Ky	14			2.28														0.41			
Lincoln, Nebr	17-18			1.02														*			
Little Rock, Ark	4-5			0.62														0.32			
Los Angeles, Cal	9	D. N.	10:12 a. m.	1.28	6:32 a. m.	6:57 a. m.	0.48	0.06	0.20	0.36	0.42	0.47									
Louisville, Ky	14			1.29														0.32			
Lynchburg, Va	14-15			0.73														0.21			
Macon, Ga	14-15			0.68														0.40			
Madison, Wis	4-5			0.80														*			
Marquette, Mich	25-26			0.80														*			
Memphis, Tenn	13-14			1.43														0.29			
Meridian, Miss	14	10:20 a. m.	3:05 p. m.	2.58	10:53 a. m.	12:02 p. m.	0.02	0.16	0.36	0.40	0.41	0.42	0.46	0.47	0.50	0.69	0.75	0.89	1.69		
Milwaukee, Wis	18-19			1.20														*			
Minneapolis, Minn	4-5			0.57														*			
Mobile, Ala	14			0.43					0.31												
Montgomery, Ala	13-14			1.13														0.51			
Mount Weather, Va	25-26			1.02														*			
Nantucket, Mass	15			0.63														0.46			
Nashville, Tenn	14			1.02														0.43			
New Haven, Conn	19-20			2.31														0.57			
New Orleans, La	5			0.61						0.46											
New York, N. Y	19			2.03														0.43			
Norfolk, Va	26			0.63														0.47			
Northfield, Vt	1			1.15														*			
North Head, Wash	4-5			1.00														0.35			
Oklahoma, Okla	13-14			0.98														0.43			
Omaha, Nebr	17-18			0.80														*			
Palestine, Tex	24			0.84					0.32												
Parkersburg, W. Va	14-15			1.10														0.37			
Pensacola, Fla	18-19	3:15 p. m.	1:25 a. m.	0.91	10:25 p. m.	10:50 p. m.	0.35	0.07	0.15	0.29	0.39	0.47									
Peoria, Ill	14			1.21														*			
Philadelphia, Pa	19			0.98														0.26			
Pittsburg, Pa	5			0.80														*			
Portland, Me	15			0.43														0.13			
Portland, Oreg	4-5			1.16														0.32			
Pueblo, Colo	24			0.27														*			
Raleigh, N. C	19			0.78														0.23			
Richmond, Va	15			0.30				0.25													
Rochester, N. Y	14-15			0.61														*			
Sacramento, Cal	8-9			0.70														0.29			
St. Louis, Mo	14			1.13														0.18			
St. Paul, Minn	4-5			0.36									0.03								
Salt Lake City, Utah	10-11			0.65														*			
San Antonio, Tex	8	7:05 a. m.	5:15 p. m.	1.41	12:47 p. m.	1:17 p. m.	0.45	0.22	0.34	0.48	0.50	0.54	0.64								
San Diego, Cal	9			0.88														0.28			
Sandusky, Ohio	14-15			1.31														*			
San Francisco, Cal	8-9			0.95														0.30			
Savannah, Ga	10-11			1.78														0.41			
Scranton, Pa	25-26			1.34														0.20			
Seattle, Wash	4-5			1.25														0.25			
Shreveport, La	4-5			0.75						0.37											
Spokane, Wash	4-5			0.26														*			
Springfield, Ill	14			1.30														*			
Springfield, Mo	13-14			2.25														*			
Syracuse, N. Y	14-15			0.43														*			
Tampa, Fla	15			0.21									0.20								
Taylor, Tex	8	6:00 a. m.	7:10 p. m.	2.68	4:14 p. m.	4:44 p. m.	1.46	0.12	0.31	0.38	0.49	0.62	0.70								
Thomasville, Ga	31†-1	10:40 p. m.	2:20 a. m.	1.84	12:17 a. m.	12:52 a. m.	0.20	0.25	0.52	0.93	1.22	1.36	1.45	1.52							
Toledo, Ohio	14-15			1.96														0.26			
Topeka, Kans	18			0.63														0.16			
Valentine, Nebr	11-12			0.15														*			
Vicksburg, Miss	12	6:52 a. m.	D. N.	3.45	8:53 p. m.	9:51 p. m.	1.82	0.09	0.16	0.23	0.39	0.47	0.63	0.85	0.96	1.03	1.09	1.20			
Washington, D. C	14-15			0.32														0.24			
Wichita, Kans	13-14			1.18														0.42			
Wytheville, Va	4-5			0.71														*			
Yankton, S. Dak	11-12			0.69														*			
San Juan, P. R	3-4			0.88														0.35			

* Self-register not working. † January.

TABLE III.—*Data furnished by the Canadian Meteorological Service, February, 1908.*

Stations.	Pressure, in inches.			Temperature.				Precipitation.		
	Actual, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.	Total snowfall.
	Ins.	Ins.	Ins.	°	°	°	°	Ins.	Ins.	Ins.
St. Johns, N. F	29.86	30.00	+.17	27.0	+ 5.0	32.8	21.2	5.23	+0.32	15.0
Sydney, C. B. I	29.97	30.01	+.09	24.3	+ 5.0	32.2	16.4	5.92	+0.99	8.0
Halifax, N. S	29.91	30.02	+.07	24.0	+ 1.6	31.9	16.0	6.13	+0.67	11.9
Grand Manan, N. B	29.93	29.99	+.01	24.2	+ 0.8	32.5	15.9	3.35	−0.93	2.8
Yarmouth, N. S	29.98	30.00	+.01	25.4	− 0.4	32.8	18.0	3.17	−1.68	10.9
Charlottetown, P. E. I	29.93	29.97	+.02	19.6	+ 2.0	27.2	12.1	3.02	−0.19	17.0
Chatham, N. B	29.95	29.98	+.02	15.5	+ 3.0	27.3	3.8	3.79	+0.32	14.9
Father Point, Que	29.94	29.97	−.01	12.2	+ 0.7	20.2	4.2	3.14	+0.41	25.2
Quebec, Que	29.67	30.01	+.02	10.8	− 1.0	18.6	3.0	6.22	+2.96	47.1
Montreal, Que	29.82	30.05	+.03	12.2	− 2.3	19.4	5.0	6.22	+2.43	40.6
Rockliffe, Ont.	29.42	30.06	+.05	6.4	− 3.5	19.5	− 6.6	2.75	+0.69	27.5
Ottawa, Ont	29.78	30.13	+.11	10.9	− 0.8	18.8	3.0	4.33	+1.61	34.8
Kingston, Ont.	29.75	30.09	+.05	13.4	− 4.4	22.6	4.0	3.52	+0.88	24.1
Toronto, Ont	29.66	30.06	+.02	19.3	− 2.2	27.3	11.2	3.77	+1.13	26.0
White River, Ont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Stanley, Ont	29.41	30.08	+.02	19.5	− 3.3	28.0	11.0	4.45	+1.24	31.1
Southampton, Ont.	29.33	.....	.....	16.7	− 3.2	25.6	7.7	4.25	+1.35	42.1
Parry Sound, Ont	29.32	30.06	+.05	10.7	− 3.6	21.3	0.1	5.40	+2.48	54.0
Port Arthur, Ont.	29.36	30.10	+.05	13.0	+ 6.6	22.6	3.3	1.67	+0.77	6.5
Winnipeg, Man	29.26	30.14	+.04	8.7	+10.3	18.2	− 0.7	1.80	+0.82	17.5
Minnedosa, Man	28.19	30.11	+.02	10.1	+12.8	20.0	0.2	0.59	−0.02	5.9
Regina, Sask	28.00	.....	.....	9.5	+10.1	18.7	0.3	1.00	+0.27	10.0
Medicine Hat, Alberta.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Swift Current, Sask.	27.43	30.13	+.06	14.8	+ 6.8	23.5	6.1	1.42	+0.68	14.2
Calgary, Alberta	26.37	30.04	+.05	22.3	+ 8.8	33.5	11.1	0.29	−0.34	2.9
Banff, Alberta	25.31	30.11	+.03	17.5	− 1.7	28.0	7.0	1.03	+0.11	10.3
Edmonton, Alberta	27.64	30.02	.00	17.8	+ 9.5	27.4	8.1	0.57	−0.10	5.5
Prince Albert, Sask	28.41	30.04	−.05	9.8	+12.8	21.0	− 1.4	2.15	+1.46	21.5
Battleford, Sask	28.25	30.08	−.01	9.4	+ 9.3	19.1	− 0.2	1.01	+0.64	9.7
Kamloops, B. C.	28.71	29.96	.00	24.9	− 3.4	31.9	17.9	0.97	+0.18	....
Victoria, B. C.	29.91	30.01	+.01	41.0	+ 1.5	45.9	36.1	4.32	+0.22	....
Barkerville, B. C.	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
Hamilton, Bermuda	30.01	30.18	+.07	58.8	− 2.7	64.5	53.0	5.78	+1.34	....
Dawson, Yukon	.....	.....	.....	.....	.....	.....	.....	.....	.....	....

TABLE IV.—*Heights of rivers referred to zeros of gages, February, 1908.*

Stations.	Distance to mouth of river.	Flood stage on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
Republican River.	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.
Clay Center, Kans. (7)	42	18	7.5	25	5.5	8	6.1	2.0
Smoky Hill-Kansas River.								
Abilene, Kans.	254	22	0.9	21	0.0	.1	0.5	0.9
Manhattan, Kans.	160	18	4.5	28	2.4	1,2	3.2	2.1
Topeka, Kans. (5)	87	21	6.2	14-18,21-24	5.6	4,5	6.0	0.6
Missouri River.								
Bismarck, N. Dak.	1,309	14	4.7	25,26	2.2	20	3.3	2.5
Pierre, S. Dak. (28)	1,114	14	.....	.....	.....	.....	.....	.....
Sioux City, Iowa	784	17	8.9	2	7.7	22-24	8.2	1.2
Blair, Nebr.	705	15	7.9	21	5.1	1,12	6.5	2.8
Omaha, Nebr. (10)	669	18	11.1	21	6.1	1	10.2	5.0
St. Joseph, Mo.	481	10	3.4	27	− 2.0	7	0.4	5.4
Kansas City, Mo. (6)	388	21	12.6	24	5.7	14	8.2	6.9
Glasgow, Mo.	231	18	7.4	29	0.9	5	4.1	6.5
Boonville, Mo.	199	20	9.8	27	5.7	1	8.2	4.1
Hermann, Mo. (2)	103	24	12.0	19	4.0	4,5,10,11	7.7	8.0
Minnesota River.								
Mankato, Minn	127	18	3.8	21	2.4	1-10	3.0	1.4
St. Croix River.								
Stillwater, Minn. (29)	23	11	.....	.....	.....	.....	.....	.....
Illinois River.								
La Salle, Ill. (9)	197	18	25.2	16	15.6	3	21.7	9.6
Peoria, Ill.	135	14	17.2	19	11.8	10-12	14.3	5.4
Conemaugh River.								
Johnstown, Pa. (7)	64	7	13.4	15	2.0	12	3.6	11.4
Allegheny River.								
Warren, Pa.	177	14	12.2	15	1.2	3-12	3.5	11.0
Parker, Pa.	73	20	17.5	16	2.0	1	5.3	15.5
Freeport, Pa.	29	20	28.4	16	3.4	7-9	8.3	25.0
Springdale, Pa	17	—	33.4	16	8.1	2	13.4	25.3
Youghiogheny River.								
Confluence, Pa. (15)	59	10	12.0	15	2.2	25	3.6	9.8
West Newton, Pa. (13)	15	23	17.5	15	2.1	29	5.1	15.4
Monongahela River.								
Fairmont, W. Va.	119	25	22.5	6	15.5	4,5	17.2	7.0
Greensboro, Pa.	81	18	22.0	16	8.3	10,25	10.5	13.7
Lock No. 4, Pa.	40	28	28.5	16	9.5	25	13.3	19.0
Muskingum River.								
Zanesville, Ohio	70	25	24.4	16	8.6	5	13.5	15.8
Little Kanawha River.								
Creston, W. Va. (1)	38	20	16.0	6	3.5	26	5.6	12.5
New-Great Kanawha River.								
Hinton, W. Va.	153	14	12.0	16	2.0	4	4.3	10.0
Charleston, W. Va.	58	30	27.0	16	4.8	4	8.7	22.2
Scioto River.								
Columbus, Ohio (5)	110	17	18.5	15	3.4	24,25	6.7	15.1
Licking River.								
Falmouth, Ky.	30	25	27.6	15	2.8	25	7.4	24.8
Kentucky River.								
Beattyville, Ky	254	30	11.2	6	1.5	24	3.7	9.7
Frankfort, Ky.	65	31	17.5	15	7.0	1,2	9.8	10.5
Wabash River.								
Terre Haute, Ind.	171	16	18.9	20	1.5	4	10.9	17.4
Mount Carmel, Ill. (4)	75	15	23.2	24	5.4	1	18.1	17.8
Cumberland River.								
Burnside, Ky.	518	50	25.4	16	4.5	26	10.8	20.9
Celina, Tenn.	383	45	24.9	18	7.7	25,26	15.0	17.2
Carthage, Tenn.	308	40	24.5	17	7.0	26	13.8	17.5
Nashville, Tenn	193	40	29.5	15	12.1	26	20.3	17.4
Clarksville, Tenn.	126	43	34.7	20	8.7	1	23.7	26.0
Clinch River.								
Speers Ferry, Va.	156	20	8.3	16	1.0	4	2.7	7.3
Clinton, Tenn	52	25	19.5	17	7.4	26	10.4	12.1
South Fork Holston River.								
Bluff City, Tenn.	35	12	4.9	16	1.8	3,5,26,29	2.4	3.1
Holston River.								
Rogersville, Tenn.	103	14	8.8	16	2.8	4,5	3.9	6.0
French Broad River.	Miles.	Feet.	Feet.		Feet.		Feet.	Feet.
Asheville, N. C.	144	4	5.9	15	0.3	1-3	1.7	5.6
Dandridge, Tenn. (1)	46	12	8.4	16	1.7	5	3.0	6.7
Tennessee River.								
Knoxville, Tenn.	635	12	15.2	16	2.7	5	5.3	12.5
Loudon, Tenn	590	25	13.0	16,17	2.1	5,6	5.0	10.9
Kingston, Tenn	556	25	15.4	16	4.7	1,6	6.8	10.7
Chattanooga, Tenn.	452	33	24.8	17	6.8	1	11.1	18.0
Bridgeport, Ala	402	24	19.9	17	4.9	1	9.0	15.0
Guntersville, Ala.	349	31	27.1	19	7.7	1	14.9	19.4
Florence, Ala.	255	16	17.0	19,20	4.9	1	9.9	12.1
Riverton, Ala.	225	26	28.3	20	7.2	1	16.8	21.1
Johnsonville, Tenn.	95	21	27.1	22	7.6	1	18.5	19.5
Ohio River.								
Pittsburg, Pa.	966	22	30.7	16	2.5	5	8.0	28.2
Coraopolis, Pa	956	25	31.1	16	4.0	2,5	9.1	27.1
Beaver Dam, Pa.	925	27	41.3	16	6.4	5,6	13.3	34.9
Wheeling, W. Va.	875	36	42.8	17	6.2	3	13.9	36.6
Parkersburg, W. Va	785	36	41.2	18	8.0	5	16.6	33.2
Point Pleasant, W. Va.	703	39	45.7	19	7.7	5	20.7	38.0
Huntington, W. Va	660	50	48.1	19	12.5	5	25.4	35.6
Catlettsburg, Ky.	651	50	49.2	19	13.2	5	25.9	36.0
Portsmouth, Ohio	612	50	50.9	19	14.6	5	27.8	36.3
Maysville, Ky.	559	50	48.9	20	16.2	5	27.8	32.7
Cincinnati, Ohio	499	50	51.3	20	18.3	1	32.2	33.0
Madison, Ind	418	46	41.5	21	15.9	1	28.7	25.6
Louisville, Ky	367	28	24.7	21	7.1	1	13.7	17.6
Evansville, Ind	184	35	40.9	23,24	11.7	1	29.8	29.2
Mount Vernon, Ind. (4)	148	35	41.3	25	11.0	1	32.1	30.3
Paducah, Ky.	47	40	40.9	26	12.1	1,2	29.7	28.8
Cairo, Ill.	1	45	44.9	26	15.7	3	33.0	29.2
Neosho River.								
Iola, Kans	262	10	3.1	16	0.0	1,11	0.7	3.1
Oswego, Kans.	184	20	9.8	19,26	0.3	10,11	3.1	9.5
Fort Gibson, Okla	3	22	18.5	27	9.0	5-9	12.8	9.5
Canadian River.								
Calvin, Okla.	99	10	4.9	25	3.0	2-8	3.7	1.9
Black River.								
Blackrock, Ark.	67	12	21.5	17	7.3	4	14.8	14.2
White River.								
Calicorock, Ark	272	18	12.2	16	0.9	4	4.4	11.3
Batesville, Ark.	217	18	14.6	16	2.8	4	6.9	11.8
Clarendon, Ark.	75	30	27.5	29	18.1	1	22.4	9.4
Arkansas River.								
Wichita, Kans.	832	10	0.5	19	− 1.4	3,20	−1.0	1.9
Tulsa, Okla.	551	16	8.0	19	2.9	4-6	4.6	5.1
Webbers Falls, Okla.	465	23	13.6	{17,20,21, 27,28}	5.2	1-12	8.8	8.4
Fort Smith, Ark.	403	22	16.0	28	2.4	10-12	7.9	13.6
Dardanelle, Ark.	256	21	15.2	29	2.4	12	7.5	12.8
Little Rock, Ark.	176	23	16.4	19	4.3	1	9.6	12.1
Pine Bluff, Ark.	121	25	19.2	20	6.2	1	11.6	13.0
Yazoo River.								
Greenwood, Miss	175	38	32.7	26,27	10.6	1	23.2	22.1
Yazoo City, Miss.	80	25	22.5	29	7.4	5	15.7	15.1
Ouachita River.								
Camden, Ark.	304	39	27.9	19	9.3	1	20.2	18.6
Monroe, La (6).	122	40	33.2	27-29	.....	.....	.....	.....
Red River.								
Denison, Tex.	768	22	4.1	12	1.0	2-5,8,9	1.7	3.1
Arthur City, Tex.	688	27	14.7	13	7.4	7,8	9.9	7.3
Fulton, Ark.	515	28	22.8	18	9.4	1	15.7	13.4
Shreveport, La.	327	29	14.8	20	5.4	2,3	9.9	9.4
Alexandria, La.	118	33	25.5	22	9.9	5	18.9	15.6
Mississippi River.								
Fort Ripley, Minn. (29)	2,082	10	.....	.....	.....	.....	.....	.....
St. Paul, Minn. (29)	1,954	14	.....	.....	.....	.....	.....	.....
Red Wing, Minn (29)	1,914	14	.....	.....	.....	.....	.....	.....

TABLE IV.—*Heights of rivers referred to zeros of gages*—Continued.

Stations.	Distance to mouth of river.	Flood stage on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
Mississippi River—Cont'd.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Reeds Landing, Minn.	1,884	12	0.8	25, 26	− 0.5	4–9	0.1	1.3
La Crosse, Wis. (29)	1,819	12	.....	.....	.....	.....	.....	.....
Prairie du Chien, Wis. (29)	1,759	18	.....	.....	.....	.....	.....	.....
Dubuque, Iowa. (29)	1,699	18	.....	.....	.....	.....	.....	.....
Leclaire, Iowa (29)	1,609	10	.....	.....	.....	.....	.....	.....
Davenport, Iowa (13)	1,593	15	11.1	29	7.4	14	9.2	3.7
Muscatine, Iowa	1,562	16	10.4	29	4.0	9–11	6.5	6.4
Galland, Iowa	1,472	8	3.8	29	0.9	11, 12	2.2	2.9
Keokuk, Iowa	1,463	15	6.6	29	0.9	1	4.4	5.7
Warsaw, Ill. (3)	1,458	18	9.6	29	3.2	1	7.3	6.4
Hannibal, Mo. (11)	1,402	18	8.2	27	1.9	1	5.6	6.3
Grafton, Ill	1,306	23	13.4	29	4.7	2	7.9	8.7
St. Louis, Mo	1,264	30	17.4	28	1.7	4	9.3	15.7
Chester, Ill	1,189	30	14.9	29	2.2	4	8.4	12.7
Cape Girardeau, Mo.	1,128	28	21.0	22, 29	5.6	4	13.6	15.4
New Madrid, Mo.	1,003	34	36.2	28	12.6	4	26.2	23.6
Luxora, Ark	905	33	29.6	29	5.6	4	18.3	24.0
Memphis, Tenn	843	33	34.5	29	10.4	5	22.6	24.1
Helena, Ark.	767	42	42.3	29	14.2	6	27.8	28.1
Arkansas City, Ark.	635	42	43.7	29	18.1	8	30.2	25.6
Greenville, Miss.	595	42	37.0	29	14.4	8	24.8	22.6
Vicksburg, Miss.	474	45	40.4	29	16.5	9	27.3	23.9
Natchez, Miss.	373	46	39.4	29	19.7	11	28.3	19.7
Baton Rouge, La.	240	35	28.8	29	15.2	12	21.2	13.6
Donaldsonville, La	188	28	22.8	29	11.4	11	16.2	11.4
New Orleans, La.	108	16	14.7	29	7.4	11, 12	10.5	7.3
Atchafalaya River.								
Simmesport, La.	127	33	33.6	29	19.5	11	25.9	14.1
Melville, La.	103	31	33.0	29	22.5	11	27.7	10.5
Hudson River.								
Troy, N. Y	154	14	18.2	16	3.5	6, 8	9.2	14.7
Albany, N. Y.	147	12	16.7	16	0.7	10	6.5	16.0
Delaware River.								
Hancock (E. Branch), N. Y.	287	12	10.7	16	3.6	29	4.6	7.1
Hancock (W. Branch), N. Y.	287	10	10.3	16	3.4	26	4.8	6.9
Port Jervis, N. Y.	215	14	11.8	16	0.8	1	2.8	11.0
Phillipsburg, N. J. (11)	146	26	18.5	16	2.2	13, 14	5.6	16.3
Trenton, N. J.	92	18	10.0	16, 17	2.5	2	4.3	7.5
North Branch Susquehanna.								
Binghamton, N. Y.	183	14	14.0	16	2.5	1, 3	4.3	11.5
Wilkes-Barre, Pa.	60	17	21.8	17	5.9	13, 14	8.6	15.9
West Branch Susquehanna.								
Williamsport, Pa.	39	20	17.0	16	2.1	2, 13, 14	4.4	14.9
Susquehanna River.								
Harrisburg, Pa.	69	17	15.0	16	1.4	4	5.1	13.6
Shenandoah River.								
Riverton, Va.	58	22	12.7	16	0.1	11–13	1.9	12.6
Potomac River.								
Cumberland, Md.	290	8	9.2	15	3.0	1–12, 29	3.8	6.2
Harpers Ferry, W. Va.	172	18	18.5	16	1.8	13, 14	5.3	16.7
James River.								
Lynchburg, Va.	260	20	15.0	16	1.8	9–12	3.5	13.2
Columbia, Va.	167	18	26.1	16	4.7	10–12	8.8	21.4
Richmond, Va.	111	10	13.9	17	0.5	3	2.9	13.4
Roanoke River.								
Clarksville, Va	196	12	9.2	17	1.1	5	3.1	8.1
Weldon, N. C.	129	30	37.4	18	13.2	1	19.5	24.2
Tar River.								
Greenville, N. C.	21	22	12.4	20, 21	8.0	14	10.3	4.4
Deep River.								
Moncure, N. C.	171	25	17.0	16	8.6	11	10.1	8.4
Cape Fear River.								
Fayetteville, N. C	112	38	29.3	17	8.0	1, 11	15.1	21.3
Pedee River.								
Cheraw, S C	149	27	31.3	17	4.7	1	14.8	26.6
Smiths Mills, S. C.	51	16	18.1	25, 26	11.2	4	14.1	6.9
Lynch Creek.								
Effingham, S. C.	35	12	15.0	19, 20	6.0	1	10.0	9.0
Black River.								
Kingstree, S. C.	45	12	10.0	18, 19	7.5	1	8.5	2.5
Catawba-Wateree River.								
Mount Holly, N. C.	143	15	9.8	15	1.8	1	3.8	8.0
Catawba, S. C	107	11	15.6	16	2.7	6	5.9	12.9
Camden, S. C.	37	24	29.0	17	8.5	6	17.4	20.5

Stations.	Distance to mouth of river.	Flood stage on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
Congaree River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Columbia, S. C	52	15	14.6	17	2.3	9	6.8	12.3
Savannah River.								
Calhoun Falls, S. C.	347	15	9.1	16	4.0	7, 29	5.2	5.1
Augusta, Ga.	268	32	27.6	2	11.0	9, 10	16.9	16.6
Oconee River.								
Dublin, Ga	79	30	18.5	5	6.8	28, 29	12.6	11.7
Ocmulgee River.								
Macon, Ga.	203	18	18.7	1	6.4	10	11.1	12.3
Abbeville, Ga.	96	11	14.8	8	8.2	1	12.5	6.6
Flint River.								
Montezuma, Ga.	152	20	17.0	4	7.0	1	11.3	10.0
Albany, Ga.	90	20	21.6	6	6.3	1	15.2	15.3
Bainbridge, Ga.	29	22	20.0	6	10.6	1	17.1	9.4
Chattahoochee River.								
West Point, Ga	239	20	12.9	16	4.4	9	7.2	8.5
Eufaula, Ala	90	40	34.0	2	6.2	29	16.6	27.8
Alaga, Ala.	30	25	32.0	3	11.5	10	18.2	20.5
Coosa River.								
Rome, Ga.	266	30	21.7	16	4.0	5, 9	9.2	17.7
Gadsden, Ala.	162	22	20.8	17	6.7	9	12.0	14.1
Lock No. 4, Ala.	113	17	17.3	15	5.5	9	9.9	11.8
Wetumpka, Ala	12	45	37.9	17	12.4	9	22.8	25.5
Alabama River.								
Montgomery, Ala.	323	35	37.4	17	9.6	10	20.8	27.8
Selma, Ala	246	35	43.0	20	10.9	1	25.7	32.1
Black Warrior River.								
Tuscaloosa, Ala.	90	43	52.5	16	12.8	1	28.9	39.7
Tombigbee River.								
Columbus, Miss	316	33	23.2	20	3.5	1	12.5	19.7
Demopolis, Ala.	168	35	52.1	26	15.5	1	36.2	36.6
Pascagoula River.								
Merrill, Miss.	78	20	21.4	20, 21	9.6	1	18.2	11.8
Pearl River.								
Columbia, Miss.	110	18	20.4	18	6.0	1	16.0	14.4
Sabine River.								
Logansport, La.	315	25	25.3	17	8.6	1	20.0	16.7
Neches River.								
Beaumont, Tex	18	10	6.9	17–19	1.2	1	4.4	5.7
Trinity River.								
Dallas, Tex.	320	25	27.4	14	5.4	7, 8	10.9	22.0
Long Lake, Tex.	211	35	36.6	19	5.6	1	26.1	31.0
Liberty, Tex	20	25	26.6	17–19	7.9	1, 2	20.8	18.7
Brazos River.								
Waco, Tex.	285	22	6.6	12	3.4	4	4.4	3.2
Hempstead, Tex	140	40	25.0	12	3.3	4	10.8	21.7
Booth, Tex	61	39	22.4	13	4.3	1	9.8	18.1
Colorado River.								
Austin, Tex.	214	18	3.5	12	1.3	2, 3, 6–8	2.0	2.2
Columbus, Tex.	98	24	20.8	10	5.8	2–8	8.8	15.0
Red River of the North.								
Moorhead, Minn. (29)	284	26	.....	.....	.....	.....	.....	.....
Snake River.								
Lewiston, Idaho	144	24	2.4	28, 29	1.2	2, 3	1.8	1.2
Riparia, Wash.	67	30	3.2	29	1.5	4	2.5	1.7
Columbia River.								
Wenatchee, Wash	473	40	3.8	1	3.0	5–7	3.3	0.8
Umatilla, Oreg	270	25	1.6	29	0.1	9–11	0.6	1.5
The Dalles, Oreg.	166	40	0.9	29	− 0.5	5	0.4	1.4
Willamette River.								
Albany, Oreg.	118	20	7.8	8	3.6	4, 27	4.9	4.2
Portland, Oreg.	12	15	5.4	7	1.4	25	3.6	4.0
Sacramento River.								
Red Bluff, Cal.	265	23	22.0	10	3.9	25	7.7	18.1
Colusa, Cal	156	28	25.3	11	11.1	26	17.1	14.2
Knights Landing, Cal.	99	18	15.7	12, 13	10.9	28	14.0	4.8
Sacramento, Cal.	64	25	20.4	13	16.4	28, 29	18.9	4.0
San Joaquin River.								
Pollasky, Cal.	203	10	0.9	3	0.0	1, 2, 7, 8, 11, 12, 14–18, 24, 25	0.1	0.9
Firebaugh, Cal	148	12	2.6	6	1.2	20, 21, 26–28	1.8	1.4
Lathrop, Cal.	49	14	7.1	12	4.1	25–27	5.3	3.0

Figures denote number of days frozen. (o) 15 days missing.

Honolulu, T. H., latitude 21° 19′ north, longitude 157° 30′ west; barometer above sea, 38 feet; gravity correction, —0.057 inch, applied. February, 1908.

Day.	Pressure, in inches *		Air temperature, degrees Fahrenheit.				Moisture.				Wind, in miles per hour.				Precipitation, inchs.		Clouds.					
							8 a. m.		8 p. m.		8 a. m.		8 p. m.				8 a. m.			8 p. m.		
	8 a. m.	8 p. m.	8 a. m.	8 p. m.	Maximum.	Minimum.	Wet.	Relative humidity.	Wet.	Relative humidity.	Direction.	Velocity.	Direction.	Velocity.	8 a. m.	8 p. m.	Amount.	Kind.	Direction, from.	Amount.	Kind.	Direction, from.
							°	%	°	%												
1	30.08	30.06	71.2	71.5	77	64	64.2	68	65.0	70	ne.	8	n.	3	0.09	0.11	2 3	Cu. Cu.-n.	ne. se.	1	S.	ne.
2	30.06	30.02	70.0	69.5	73	68	61.0	59	60.5	59	ne.	13	ne.	12	0.00	0.00	10	Cu.	ne.	3	S.	ne.
3	30.00	30.01	70.0	63.5	74	64	63.5	70	62.0	92	e.	2	ne.	6	0.05	0.43	2	Cu.	ne.	10	N.	ne.
4	30.07	30.09	71.0	71.5	77	66	65.0	72	65.0	70	n.	4	e.	3	0.08	0.00	1 1	A.-s. Cu.	sw. ne.	1	Cu.	ne.
5	30.14	30.12	71.0	72.0	76	65	64.0	68	64.0	65	e.	9	e.	10	0.10	0.04	7 3	A.-s. Cu.	nw. ne.	5	Cu.	ne.
6	30.11	30.08	71.7	67.5	73	66	64.2	67	65.0	88	e.	9	ne.	9	0.01	0.11	10	Cu.	ne.	9	N.	e.
7	30.06	30.06	70.5	71.5	75	67	64.5	72	65.0	70	ne.	8	e.	9	0.02	T.	4	Cu.	e.	10	Cu.	se.
8	30.08	30.08	73.2	71.2	78	68	65.0	64	66.0	76	e.	7	ne.	20	0.03	0.02	5 2	A.-cu. Cu.	sw. e.	5 5	A.-s. Cu.	nw. ne.
9	30.07	30.04	71.1	69.0	76	68	67.0	80	66.0	85	e.	15	e.	8	0.01	0.51	10	A.-s.	e.	10	S.	e.
10	30.08	30.06	69.0	70.0	77	65	66.0	85	68.0	90	e.	7	nw.	6	0.89	0.30	9	A.-cu.	se.	10	S.	n.
11	30.09	30.09	72.0	73.0	77	67	66.2	74	69.0	82	se.	3	ne.	2	T.	0.00	0	0	0	10	S.	ne.
12	30.15	30.15	75.0	72.0	80	70	67.7	67	67.5	79	ne.	2	ne.	5	0.00	T.	1	Cu.	e.	7	Cu.	ne.
13	30.17	30.14	74.4	72.5	78	70	67.0	68	66.0	71	e.	4	ne.	9	0.00	0.00	3	Cu.	e.	7	Cu.	ne.
14	30.14	30.12	73.0	71.5	78	69	65.2	66	64.0	66	e.	8	e.	6	0.00	0.00	7	Cu.	e.	Few	Cu.	ne.
15	30.11	30.10	73.6	71.5	77	70	64.2	60	65.0	70	ne.	3	e.	8	0.00	0.00	2	Cu.	e.	8	Cu.	ne.
16	30.12	30.11	72.0	71.5	76	68	63.0	61	64.5	68	e.	7	e.	18	0.00	0.00	1 2	A.-s. Cu.	0 e.	2	Cu.	e.
17	30.15	30.13	72.0	71.7	77	70	62.2	58	64.0	66	e.	18	ne.	8	0.00	0.00	5	Cu.	e.	5	Cu.	ne.
18	30.13	30.08	72.5	71.0	78	68	62.0	55	63.0	64	e.	11	e.	13	T.	0.00	Few	Cu.	e.	2 1	Ci. Cu.	nw. ne.
19	30.11	30.08	73.2	70.5	78	68	61.2	50	64.0	70	e.	3	e.	2	0.00	0.00	1	Ci.-s.	0	7	S.	e.
20	30.06	30.05	71.0	71.5	77	65	64.0	68	64.0	66	ne.	3	se.	1	0.00	0.00	1	Ci.	se.	6	S.	s.
21	30.06	30.07	71.2	70.0	76	65	64.2	68	64.0	72	n.	2	ne.	3	0.00	0.00	2	Ci.-cu.	ne.	0	0	0
22	30.07	30.02	75.2	72.0	78	66	66.1	62	65.0	69	e.	2	e.	2	0.00	0.00	4	Cu.	e.	7	S.	ne.
23	30.06	30.01	74.0	70.0	78	66	66.0	65	65.5	79	e.	3	n.	3	0.00	0.00	1 2	A.-s. A.-cu	0 e.	0	0	0
24	30.00	29.95	73.0	71.5	78	66	63.3	58	63.0	62	ne.	2	e.	5	0.00	0.00	1 1	A.-s. Cu.	0 0	Few	A.-s.	0
25	29.98	29.94	73.0	68.5	77	67	67.0	73	67.0	92	e.	4	e.	6	0.00	0.25	6 2	A.-cu. Cu.	se e.	10	N.	0
26	29.98	29.95	73.7	72.5	76	69	67.0	70	69.0	84	s.	12	ne.	2	0.01	0.09	2 1	Ci.-cu. Cu.	0 s.	7	S.	e.
27	29.94	29.91	74.2	69.5	75	68	68.2	74	67.0	88	w.	3	ne.	3	0.00	0.29	9	S.-cu.	s.	0	0	0
28	29.91	29.90	73.0	70.0	77	66	66.0	69	63.0	68	ne.	4	ne.	9	0.00	T.	Few	Cu.	0	Few	A.-s.	0
29	29.94	29.95	71.0	71.8	80	65	63.6	66	64.0	66	s.	2	n.	3	0.00	0.00	Few	Cu.	0	0	0	0
30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mean	30.066	30.047	72.3	70.7	76.8	67.0	64.8	66.8	65.0	74.0	e.	6.1	ne., e.	6.7	1.29	2.15	4.3	Cu.	e.	5.1	Cu.	ne.

Observations are made at 8 a.m. and 8 p. m., local standard time, which is that of 157° 30′ west, and is 5h and 30m slower than 75th meridian time. *Pressure values are reduced to sea level and standard gravity.

Blank page retained for pagination