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.

Summary of temperature and precipitation, by sections, January, 1914.

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	48.0	+ 2.6	Evergreen	82	29	Hamilton	16	12	2.19	−2.43	Mentone	5.40	Daphne	0.62
Arizona	46.8	+ 3.0	Tucson (2)	84	7	Fort Valley	−13	29	0.97	−0.23	Thomas	6.83	Thatcher	T.
Arkansas	46.6	+ 6.4	Camden	82	19	Pond	7	31	1.57	−2.20	Hardy	3.71	Eldorado	T.
California	46.9	+ 1.1	Riverside	87	6	Tamarack	−16	28	13.09	+7.68	Helen Mine	43.68	Bagdad	0.00
Colorado	26.6	+ 2.1	Canon City	74	7	2 stations	−35	11†	1.69	+0.47	Rico	9.81	6 stations	0.00
Florida	58.1	+ 0.2	Fort Lauderdale	88	10	Garniers (near)	21	7	4.22	+1.61	New Smyrna	7.81	Avon Park	0.52
Georgia	47.2	+ 1.0	Bainbridge	84	29	Mineral Bluff	14	14	2.38	−1.43	Quitman	5.85	Carlton	1.31
Hawaii, [Dec., 1913]	69.6	.....	Mahukona	97	7	Humuula	41	14	5.73	.....	Hakalau	29.45	3 stations	0.00
Idaho	30.4	+ 4.8	Culdesac	62	17	Blackfoot Dam	−27	12	2.90	+0.63	Burke	8.37	Grandview	0.22
Illinois	34.0	+ 7.3	Golconda	72	29	Dakota	− 3	12	1.93	−0.46	Chester	3.12	Morrison	0.76
Indiana	34.9	+ 5.8	Rome	71	29	Hammond	3	12	2.26	−0.79	Salamonia	3.49	Collegeville	0.53
Iowa	27.8	+ 9.9	Keokuk	64	28	2 stations	−10	12	0.88	−0.17	Fort Madison	2.34	Pacific Junction	0.27
Kansas	37.8	+ 7.9	Liberal	75	26	Irene	0	11	0.17	−0.58	Columbus	1.42	5 stations	0.00
Kentucky	39.4	+ 4.0	3 stations	76	28†	Farmers	5	13	2.29	−1.93	Alpha	3.45	Leitchfield	1.41
Louisiana	52.2	+ 2.9	Donaldsonville	92	27	Grand Cane	16	6†	1.05	−2.98	Burrwood	3.03	Jeanerette	0.00
Maryland and Delaware.	36.1	+ 3.4	Westernport	76	29	Deer Park	−14	14	3.84	+0.82	Fallston	6.07	Westernport	1.71
Michigan	25.1	+ 4.7	Lansing	63	28	Humboldt	−30	25	2.55	+0.53	Allegan	5.96	Charlevoix	0.90
Minnesota	16.9	+ 9.0	Winnebago	57	15	2 stations	−38	25	0.81	+0.03	Caledonia	2.42	Angus	0.28
Mississippi	49.8	+ 3.2	Rosedale	81	19	Tupelo	20	12†	1.07	−3.69	Shubuta	1.74	Holly Bluff	0.27
Missouri	38.1	+ 6.9	Hollister	78	28	Dean	− 1	31	1.42	−0.92	Doniphan	3.47	Liberty	0.05
Montana	26.3	+ 8.2	Ingomar	69	13	Babb	−41	26	0.75	−0.27	Haugan	5.58	3 stations	T.
Nebraska	31.8	+10.1	Culbertson	72	26	Curly	− 9	11	0.23	−0.33	Madison	1.10	.....do	0.00
Nevada	34.2	+ 5.3	Logan	87	1	Tecoma	−25	11	3.06	+1.62	Marlette Lake	15.86	San Jacinto	0.14
New England	21.1	− 0.4	2 stations	63	30	Bloomfield, Vt.	−44	14	2.93	−0.72	New Haven, Conn.	5.58	Cornwall, Vt.	1.16
New Jersey	31.9	+ 1.9	Tuckerton	73	30	Culvers Lake	−18	14	3.85	0.00	Newark	6.15	Mahwah	1.95
New Mexico	38.6	+ 3.4	Lakewood	85	23	Dulce	−27	29	0.24	−0.27	Dulce	2.30	27 stations	0.00
New York	22.6	+ 0.3	Allegany	65	29	2 stations	−43	14	2.65	−0.23	Bedford	7.28	2 stations	0.90
North Carolina	43.5	+ 3.0	Newbern	82	30	.....do	9	12†	2.62	−1.08	Highlands	4.53	Belhaven	0.71
North Dakota	14.8	+ 9.8	Hettinger	62	16†	Willow City	−38	24	0.50	+0.01	Walhalla	1.80	Orange	0.00
Ohio	33.4	+ 5.2	2 stations	75	28†	Garrettsville	−17	14	2.30	−0.62	North Royalton	3.95	Kenton	1.00
Oklahoma	45.0	+ 6.4	Erick	87	25	3 stations	11	30	0.39	−0.87	Webbers Falls	3.50	20 stations	0.00
Oregon	38.5	+ 4.9	Hermiston	72	21	Austin	− 6	10	8.14	+3.74	Glenora	42.80	Diamond	0.58
Pennsylvania	30.2	+ 2.1	Irwin	81	29	Lawrenceville	−27	14	3.37	+0.14	Lock Haven	5.77	Montrose	1.40
Porto Rico	73.2	+ 0.1	3 stations	92	2†	Cayey	44	19	2.38	−1.32	Cavite Dam	5.70	Guanica Centrale	0.44
South Carolina	46.7	+ 1.3	Walterboro	81	29	Meriwether	18	14	2.66	−0.76	Georgetown	5.05	Liberty	1.11
South Dakota	25.3	+ 9.0	Hermosa	72	7	Eureka	−23	12	0.33	−0.10	Hardy Ranger Sta.	1.79	6 stations	T.
Tennessee	42.5	+ 4.1	Johnson City	77	28†	Crossville	8	12	2.10	−2.36	Erasmus	5.36	Bolivar	0.65
Texas	53.3	+ 5.3	Fort McIntosh	98	18	Romero	12	13	0.35	−1.15	Valley Junction	2.50	32 stations	0.00
Utah	28.5	+ 1.8	Springdale	71	8	Woodside	−33	10	2.61	+1.28	Park City	7.60	Midlake	0.09
Virginia	39.4	+ 4.2	Ivor	76	30	2 stations	− 1	13	3.23	+0.10	Mountain Lake	6.20	Woodstock	1.64
Washington	36.9	+ 5.8	Walla Walla	70	6	.....do	− 8	24†	8.65	+3.56	Duckabush	40.00	Hanford	1.12
West Virginia	35.8	+ 3.5	2 stations	83	29	Bayard	−11	14	3.18	−0.73	Bayard	5.65	Parkersburg	1.55
Wisconsin	22.8	+ 8.6	Milwaukee	56	29	Solon Springs	−33	25	1.16	−0.17	Rest Lake	2.52	Valley Junction	0.40
Wyoming	24.4	+ 4.0	Wheatland	69	18	Snake River, Y. N. P	−40	12	1.09	+0.19	Snake River, Y. N. P	10.49	3 stations	T.

† Other dates also.

DESCRIPTION OF TABLES AND CHARTS.

Table I gives the data ordinarily needed for climatological studies for about 158 Weather Bureau stations making simultaneous observations at 8 a. m. and 8 p. m., seventy-fifth meridian time daily, and for about 41 others making only one observation. The altitudes of the instruments above ground are also given.

Table II gives a record of precipitation the intensity of which at some period of the storm's continuance equaled or exceeded the following rates:

Duration (minutes)	5	10	15	20	25	30	35	40	45	50	60
Rates per hour (inches)	3.00	1.80	1.40	1.20	1.08	1.00	0.94	0.90	0.87	0.84	0.80

In cases where no storm of sufficient intensity to entitle it to a place in the full table has occurred, the greatest precipitation of any single storm has been given, also the greatest hourly fall during that storm.

Table III gives, for about 30 stations of the Canadian Meteorological Service, the means of pressure and temperature, total precipitation and depth of snowfall, and the respective departures from normal values, except in the case of snowfall.

Chart I.—Hydrographs for several of the principal rivers of the United States.

Chart II.—Tracks of centers of high areas; and

Chart III.—Tracks of centers of low areas. The roman numerals show the chronological order of the centers. The figures within the circles show the days of the month; the letters *a* and *p* indicate, respectively, the observations at 8 a. m. and 8 p. m., seventy-fifth meridian time. Within each circle is also given (Chart II) the last three figures of the highest barometric reading and (Chart III) the lowest reading reported at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart IV.—Total precipitation. The scale of shades showing the depth is given on the chart. Where the monthly amounts are too small to justify shading, and

over sections of the country where stations are too widely separated or the topography is too diversified to warrant reasonable accuracy in shading, the actual depths are given for a limited number of representative stations. Amounts less than 0.005 inch are indicated by the letter T, and no precipitation by 0.

Chart V.—Percentage of clear sky between sunrise and sunset. The average cloudiness at each Weather Bureau station is determined by numerous personal observations between sunrise and sunset. The difference between the observed cloudiness and 100 is assumed to represent the percentage of clear sky, and the values thus obtained are the basis of this chart. The chart does not relate to the nighttime.

Chart VI.—Isobars and isotherms at sea level and prevailing wind directions. The pressures have been reduced to sea level and standard gravity by the method described by Prof. Frank H. Bigelow on pages 13–16 of the REVIEW for January, 1902. The pressures have also been reduced to the mean of the 24 hours by the application of a suitable correction to the mean of the 8 a. m. and 8 p. m. readings at stations taking two observations daily, and to the 8 a. m. or the 8 p. m. observations, respectively, at stations taking but a single observation. The diurnal corrections so applied will be found in the Annual Report of the Chief of the Weather Bureau, 1900–1901, volume 2, Table 27, pages 140–164.

The isotherms on the sea-level plane have been constructed by means of the data summarized in chapter 8 of volume 2 of the annual report just mentioned. The correction $t_o - t$, or temperature on the sea-level plane minus the station temperature as given by Table 48 of that report, is added to the observed surface temperature to obtain the adopted sea-level temperature.

The prevailing wind directions are determined from hourly observations at the great majority of the stations; a few stations having no self-recording wind direction apparatus determine the prevailing direction 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 and tenths of the snowfall during the month. In general, the depth is shown by lines inclosing areas of equal snowfall, but in special cases figures are also given.

Chart VIII.—Depth of snow on ground at end of the month, expressed in inches and tenths.

Charts VII and VIII are published only when the general snow cover is sufficiently extensive to justify their preparation.

TABLE I.—*Climatological data for United States Weather Bureau stations, January, 1914.*

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	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.	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 0.01 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, tenths.	Total snowfall.	Snow on ground at end of month.
New England.							**24.4**	**− 0.1**										**77**	**3.14**	**− 0.3**										**7.1**		
Eastport	76	67	85	29.80	29.89	− .11	19.0	− 1.1	49	30	27	−16	14	10	45	17	14	79	4.18	+ 0.3	16	11,900	n.	48	ne.	12	6	7	18	7.3	20.9	2.0
Greenville	1,070	6	....	28.69	29.92	.....	9.7	.....	40	30	20	−25	14	0	41	....	....	....	3.39	.....	15	.....	.....	.....	.....	.....	.....	.....	.....	....	27.5	20.0
Portland, Me.	103	82	117	29.80	29.94	− .11	20.5	− 1.5	53	30	28	−10	14	13	36	18	12	70	3.19	− 0.6	17	8,077	n.	38	nw.	25	9	2	20	6.8	12.1	3.0
Concord	288	70	79	29.61	29.94	− .11	19.0	− 2.2	50	30	29	−18	23	9	45	....	....	....	2.75	− 0.6	12	4,496	nw.	35	nw.	12	8	5	18	7.0	13.7	7.5
Burlington	404	11	48	29.49	29.96	− .09	14.8	− 1.5	44	30	24	−26	14	5	45	....	....	....	1.60	− 0.2	12	10,283	s.	52	s.	27	7	4	20	7.3	7.0	2.7
Northfield	876	12	60	28.97	29.97	− .08	12.2	− 2.9	56	30	24	−28	14	0	48	10	9	92	1.75	− 0.7	15	5,562	n.	32	s.	29	8	2	21	7.1	13.9	13.3
Boston	125	115	188	29.77	29.91	− .14	28.7	+ 1.7	63	30	36	− 9	13	21	33	26	20	73	3.26	− 0.6	10	9,628	nw.	51	w.	12	5	8	18	6.8	10.3	....
Nantucket	12	14	90	29.87	29.88	− .16	31.9	− 0.2	51	31	38	− 1	13	26	26	30	27	82	2.68	− 0.7	14	14,963	nw.	59	ne.	4	5	6	20	7.6	0.5	....
Block Island	26	11	46	29.87	29.90	− .17	31.8	+ 0.4	54	31	38	− 3	13	25	27	30	27	80	2.64	− 1.2	10	18,105	nw.	80	nw.	13	6	5	20	7.5	0.6	....
Narragansett	.....	9	....	.....	.....	.....	29.7	+ 1.3	60	30	38	− 6	14	22	30	....	....	....	3.23	.....	10	.....	nw.	.....	.....	.....	11	4	16	....	3.0	....
Providence	160	215	251	29.73	29.92	− .14	28.7	+ 1.5	62	30	36	− 5	14	21	34	26	22	76	3.56	− 0.8	11	11,805	nw.	74	nw.	12	8	7	16	6.8	3.6	....
Hartford	159	122	140	29.75	29.94	− .13	26.8	+ 1.3	58	30	34	− 8	14	20	30	24	19	73	3.38	− 0.4	12	6,112	nw.	42	nw.	13	7	5	19	7.2	5.7	....
New Haven	106	117	155	29.81	29.93	− .15	29.3	+ 2.0	58	30	37	− 5	13	22	30	26	19	68	5.58	+ 1.7	12	8,424	n.	48	w.	12	8	6	17	6.7	13.7	....
Middle Atlantic States.							**34.7**	**+ 3.4**										**75**	**3.26**	**0.0**										**6.5**		
Albany	97	102	115	29.85	29.96	− .11	22.2	− 0.3	[illegible]	[illegible]	[illegible]	15	14	14	32	20	16	78	1.91	− 0.7	13	6,748	s.	35	se.	27	9	5	17	6.5	7.5	T.
Binghamton	871	10	69	28.97	29.93	− .15	26.2	+ 3.1	[illegible]	[illegible]	[illegible]	−10	14	19	28	....	....	....	1.60	− 0.4	11	4,874	nw.	31	nw.	12	1	4	26	8.8	4.9	....
New York	314	414	454	29.58	29.94	− .16	31.4	+ 1.2	[illegible]	[illegible]	[illegible]	− 5	14	24	28	28	22	69	3.69	− 0.1	13	14,982	nw.	76	nw.	12	6	6	19	7.4	1.2	....
Harrisburg	374	94	104	29.55	29.96	− .14	31.8	+ 3.4	[illegible]	[illegible]	[illegible]	− 1	14	26	21	28	24	74	3.14	+ 0.3	12	6,246	e.	37	ne.	3	4	8	19	7.2	4.3	....
Philadelphia	117	123	184	29.82	29.95	− .16	35.4	+ 2.6	[illegible]	[illegible]	[illegible]	0	14	28	28	32	26	72	3.46	0.0	10	9,162	nw.	47	ne.	3	7	10	14	6.2	2.2	....
Reading	325	81	98	29.59	29.95	.....	31.2	.....	[illegible]	[illegible]	38	− 3	14	25	23	29	24	75	3.89	.....	10	6,733	nw.	42	nw.	12	2	12	17	7.5	2.3	....
Scranton	805	111	119	29.06	29.95	− .14	28.2	+ 2.7	[illegible]	29	35	−10	14	21	25	27	24	83	2.11	− 0.7	14	5,689	s.	37	w.	10	1	7	23	8.5	6.3	....
Atlantic City	52	37	48	29.89	29.95	− .16	35.6	+ 3.1	64	28	42	− 1	14	29	26	32	28	76	3.13	− 0.3	10	7,608	nw.	38	s.	31	10	6	15	6.4	T.	....
Cape May	17	13	49	29.94	29.96	− .16	36.4	+ 2.3	64	28	43	3	14	30	26	34	32	86	4.32	+ 1.0	9	8,460	nw.	44	ne.	3	8	12	11	5.9	0.2	....
Trenton	190	159	183	29.72	29.93	.....	32.2	.....	61	30	40	− 4	14	25	27	29	25	77	2.72	.....	12	10,591	ne.	60	w.	12	8	8	15	6.5	1.5	....
Baltimore	123	100	113	29.83	29.96	− .16	37.6	+ 4.2	72	30	45	5	14	30	31	33	27	70	5.66	+ 2.4	7	5,916	nw.	36	ne.	3	7	10	14	6.6	T.	....
Washington	112	62	85	29.83	29.95	− .18	38.6	+ 5.7	72	30	47	7	14	30	30	33	28	71	4.60	+ 1.2	6	6,884	nw.	48	nw.	12	8	12	11	5.8	T.	....
Lynchburg	681	83	88	29.21	29.97	− .18	42.0	+ 6.2	73	28	52	15	14	32	35	35	30	68	3.00	− 0.7	5	6,577	nw.	38	nw.	12	11	11	9	5.2	1.5	....
Mount Weather	1,725	10	75	28.04	29.93	− .20	32.6	+ 5.3	66	30	40	− 1	14	25	30	30	26	78	3.69	+ 0.4	6	15,866	nw.	72	nw.	12	4	12	15	6.9	10.3	....
Norfolk	91	170	205	29.88	29.98	− .15	44.1	+ 3.7	73	31	52	18	14	36	26	39	34	71	2.32	− 1.0	6	12,286	sw.	52	w.	12	12	12	7	4.9	....	....
Richmond	144	11	52	29.82	29.98	− .15	41.8	+ 3.8	73	30	51	13	14	32	32	36	32	74	3.65	+ 0.6	7	7,195	sw.	52	sw.	31	13	8	10	4.7	T.	....
Wytheville	2,293	40	47	27.56	30.00	− .14	36.7	+ 3.7	72	28	45	13	13	29	38	32	28	77	2.61	− 1.7	7	6,023	w.	33	w.	31	10	7	14	5.9	14.2	....
South Atlantic States.							**47.8**	**+ 2.7**										**72**	**2.43**	**− 1.5**										**4.6**		
Asheville	2,255	70	84	27.62	30.05	− .10	39.6	+ 4.2	75	28	49	17	14	31	42	34	28	71	0.89	− 3.8	8	8,137	nw.	38	se.	31	14	8	9	4.6	3.2	....
Charlotte	773	68	76	29.16	30.02	− .13	43.8	+ 3.4	70	30	53	25	14	35	27	37	31	69	2.78	− 1.5	7	5,858	sw.	36	sw.	31	13	7	11	5.1	0.1	....
Hatteras	11	12	50	29.97	29.98	− .16	47.6	+ 1.8	70	30	54	27	14	41	27	44	40	80	1.93	− 3.0	4	12,896	sw.	47	nw.	12	20	4	7	4.1	....	....
Manteo	12	12	46	.....	.....	.....	45.4	.....	71	30	55	16	15	36	....	....	....	....	2.48	− 2.2	3	.....	sw.	.....	.....	.....	14	12	5	....	....	....
Raleigh	376	103	110	29.58	30.00	− .13	45.0	+ 4.6	73	30	54	19	14	36	30	38	31	63	2.87	− 0.7	5	7,244	sw.	38	w.	24	14	9	8	4.6	T.	....
Wilmington	78	81	91	29.94	30.02	− .12	48.6	+ 3.0	75	30	58	24	14	39	28	42	38	73	2.02	− 1.5	7	6,400	w.	35	s.	24	12	12	7	4.3	....	....
Charleston	48	11	92	29.99	30.04	− .11	50.0	+ 0.7	72	10	58	33	5	42	26	44	40	76	2.10	− 1.4	8	8,206	w.	35	sw.	24	14	10	7	4.5	....	....
Columbia, S. C.	351	41	57	29.65	30.04	− .11	47.7	+ 2.6	74	28	58	27	12	38	32	40	34	67	2.92	− 0.4	8	5,800	sw.	37	sw.	9	13	11	7	4.6	T.	....
Augusta	180	89	97	29.85	30.05	− .11	48.5	+ 2.6	76	29	59	26	14	38	33	42	37	74	3.15	− 1.0	8	5,115	w.	32	w.	31	12	8	11	5.4	....	....
Savannah	65	150	194	29.99	30.06	− .09	52.4	+ 2.5	74	29	61	31	7	43	27	45	40	72	2.33	− 0.8	4	10,237	w.	46	w.	3	11	9	11	5.4	....	....
Jacksonville	43	96	129	30.02	30.08	− .07	55.2	+ 1.3	77	29	64	32	7	46	25	49	44	75	3.31	+ 0.2	10	7,757	w.	40	sw.	16	18	7	6	3.5	....	....
Florida Peninsula.							**63.0**	**− 0.7**										**80**	**2.43**	**− 0.3**										**5.0**		
Key West	22	10	64	30.04	30.06	− .04	68.1	− 0.7	81	10	73	56	13	63	21	62	60	80	1.67	− 0.3	8	8,210	ne.	32	sw.	3	16	6	9	4.5	....	....
Miami	25	37	72	30.05	30.08	.....	64.4	− 2.9	79	10	72	44	5	56	28	59	56	80	1.35	− 2.1	12	6,588	nw.	29	e.	29	11	9	11	5.8	....	....
Sand Key	23	39	72	30.02	30.05	− .05	68.6	.....	77	24	72	58	13	65	14	63	60	75	2.27	.....	10	12,306	ne.	37	se.	29	13	10	8	4.9	....	....
Tampa	35	79	96	30.05	30.09	− .03	60.0	+ 2.6	81	29	68	41	4	52	24	54	52	83	4.27	+ 1.5	10	5,878	n.	38	sw.	2	11	8	12	5.1	....	....
Titusville	44	6	....	30.03	30.08	.....	59.4	− 1.7	80	21	69	33	8	50	38	....	....	....	6.05	.....	10	.....	w.	....	.....	....	14	10	7	4.8	....	....
East Gulf States.							**50.5**	**+ 3.1**										**72**	**1.91**	**− 3.1**										**4.4**		
Atlanta	1,174	190	216	28.80	30.06	− .09	45.0	+ 2.8	71	30	53	26	13	37	25	39	32	67	1.35	− 4.0	7	10,985	w.	42	sw.	30	16	5	10	4.8	T.	....
Macon	370	78	87	29.66	30.06	− .10	48.4	+ 2.8	76	30	58	24	14	38	36	42	37	72	2.23	− 3.0	6	5,136	nw.	36	w.	31	14	8	9	4.5	....	....
Thomasville	273	8	57	29.78	30.08	− .08	52.2	+ 1.2	80	29	64	28	12	40	36	45	41	79	4.89	+ 0.8	5	4,719	nw.	24	sw.	31	16	9	6	3.8	....	....
Pensacola	56	140	182	30.04	30.10	− .04	54.1	+ 1.8	73	10	61	33	12	47	25	48	44	75	1.30	− 2.7	5	10,164	nw.	46	sw.	16	14	10	7	4.6	....	....
Anniston	741	9	57	29.29	30.10	− .06	45.6	+ 3.4	73	29	55	22	12	36	34	....	....	....	2.61	− 2.7	5	5,077	nw.	26	w.	30	12	8	11	4.9	T.	....
Birmingham	700	11	48	29.31	30.10	− .06	47.4	+ 2.1	74	29	56	25	12	38	33	41	34	67	1.85	− 3.5	5	6,032	s.	24	nw.	21	16	5	10	4.4	....	....
Mobile	57	125	161	30.03	30.09	− .06	58.6	+ 3.8	74	16	62	32	7	46	24	47	43	73	1.98	− 2.9	4	7,702	n.	34	nw.	24	15	12	4	3.7	....	....
Montgomery	223	100	112	29.85	30.10	− .06	50.0	+ 2.3	77	29	60	29	7	40	30	44	39	71	2.25	− 2.9	7	5,535	nw.	27	sw.	9	16	11	4	3.4	....	....
Meridian	375	85	93	29.68	30.08	− .08	49.7	+ 4.7	76	16	60	27	7	40	30	44	40	77	1.17	− 4.4	3	4,535	sw.	25	w.	30	7	13	11	5.8	....	....
Vicksburg	247	62	74	29.80	30.09	− .06	52.8	+ 5.8	79	16	62	29	5	43	28	45	38	64	0.37	− 5.3	5	6,195	se.	25	nw.	20	12	14	5	4.3	....	....
New Orleans	51	90	121	30.04	30.09	− .04	56.6	+ 3.6	78	9	65	36	7	48	26	51	47	77	1.02	− 3.6	5	6,586	ne.	28	ne.	21	14	13	4	4.0	....	....
West Gulf States.							**52.5**	**+ 6.3**										**68**	**0.72**	**− 2.2**										**4.1**		
Shreveport	249	77	93	29.79	30.07	− .07	52.6	+ 6.4	78	19	63	29	5	43	33	46	40	69	0.73	− 3.7	3	6,581	s.	30	s.	28	21	3	7	3.7	T.	....
Bentonville	1,303	11	44	28.61	30.00	− .14	41.5	+ 7.4	74	27	51	14	30	32	40	....	....	....	2.42	− 0.2	4	5,387	s.	28	s.	28	10	9	12	5.7	6.3	T.
Fort Smith	457	79	94	29.53	30.02	− .12	45.0	+ 6.7	78	27	55	24	6	35	41	38	32	66	0.93	− 1.6	2	6,578	e.	36	nw.	29	9	8	14	5.7	T.	....
Little Rock	357	139	147	29.66	30.04	− .11	47.0	+ 6.4	76	28	56	26	31	38	34	41	35	68	1.35	− 3.4	5	8,166	nw.	38	sw.	22	10	14	7	4.9	0.1	....
Brownsville	57	3	40	.....	.....	.....	62.6	.....	88	25	74	30	31	51	42	....	....	....	0.10	.....	2	.....	s.	30	.....	29	....	....	....	....	....	....
Corpus Christi	20	69	77	30.07	30.09	− .01	59.4	+ 5.9	81	25	68	35	31	51	29	53	49	75	0.19	− 2.1	2	8,558	se.	46	se.	27	12	15	4	4.6	....	....
Dallas	512	109	117	29.49	30.04	.....	52.2	.....	82	19	64	25	6	41	36	....	....	....	1.06	.....	3	8,080	se.	38	s.	22	11	15	5	4.4	....	....
Fort Worth	670	106	114	29.31	30.03	− .09	53.0	+ 8.7	82	19	64	26	6	42	36	44	36	61	0.43	− 0.5	2	8,125	s.	36	s.	22	15	10	6	4.0	....	....
Galveston	54	106	114	30.04	30.10	− .03	57.0	+ 4.3	73	9	62	38	30	52	24	52	49	79	0.34	− 3.3	2	8,511	s.	38	nw.	29	19	8	4	3.2	....	....
Houston	138	111	121	29.92	30.08	.....	57.6	+ 4.7	79	17	68	32	6	48	30	....	....	....	0.49	.....	3	6,413	sw.	29	se.	28	17	9	5	3.6	....	....
Palestine	510	64	72	29.52	30.06	− .06	54.2	+ 7.7	82	16	64	29	5	45	34	46	39	65	0.62	− 3.2	2	6,653	s.	35	s.	28	17	8	6	3.8	....	....
San Antonio	701	80	91	29.35	30.09	− .01	56.4	+ 5.3	82	27	68	31	6	44	36	47	38	59	0.09	− 1.6	2	4,672	n.	30	nw.	29	24	4	3	2.2	....	....
Taylor	583	55	63	29.47	30.09	− .02	53.7	+ 6.2	82	16	65	26	6	42	37	....	....	....	0.09	− 2.7	3	7,561	sw.	44	s.	28	17	10	4	3.3	....	....

TABLE 1.—*Climatological data for United States Weather Bureau stations, January, 1914*—Continued.

Districts and stations.	Elevation of instruments. Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Pressure in inches. Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal	Temperature of the air, in degrees Fahrenheit. 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.	Precipitation, inches. Total.	Departure from normal.	Days with 0.01 or more.	Wind. Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Direction.	Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Ohio Valley and Tennessee.							**38.4**	**+ 5.2**										**77**	**2.24**	**− 1.6**										**7.2**		
Chattanooga	762	189	213	29.25	30.08	− .08	43.8	+ 3.2	70	28	52	24	13	36	30	39	33	68	4.52	− 1.0	7	7,015	nw.	43	sw.	30	11	8	12	5.8	2.6	....
Knoxville	996	93	100	28.96	30.04	− .11	41.6	+ 4.1	73	29	50	21	13	33	35	37	33	76	1.64	− 3.3	7	4,218	sw.	32	sw.	31	5	11	15	6.8	5.3	....
Memphis	399	76	97	29.64	30.08	− .08	46.1	+ 5.8	73	28	54	27	13	38	37	42	39	77	1.60	− 3.6	6	7,923	sw.	34	nw.	20	8	10	13	5.9	T.	....
Nashville	546	168	191	29.46	30.06	− .10	42.6	+ 4.6	68	28	50	20	13	35	32	38	32	70	1.56	− 3.3	5	8,784	s.	37	sw.	31	7	8	16	6.7	T.	....
Lexington	989	75	102	28.91	30.01	− .12	37.2	+ 4.2	66	28	44	13	13	30	26	....	....	....	2.50	− 1.3	6	10,086	s.	44	sw.	31	7	8	16	6.9	1.4	T.
Louisville	525	219	255	29.43	30.03	− .11	39.0	+ 4.7	69	28	46	16	13	32	30	35	31	75	1.84	− 2.1	6	11,596	s.	48	sw.	31	4	11	16	7.0	0.7	T.
Evansville	431	72	82	29.53	30.01	− .13	39.6	+ 7.3	68	29	46	17	13	33	37	36	32	77	1.92	− 1.8	6	7,272	s.	36	s.	23	6	9	16	7.2	2.5	T.
Indianapolis	822	154	164	29.07	29.98	− .14	34.6	+ 6.4	65	28	41	10	12	28	35	32	28	78	2.76	0.0	11	9,261	sw.	37	sw.	20	4	4	23	8.1	9.6	3.2
Terre Haute	575	96	129	29.34	29.97	....	36.0	....	66	28	43	11	12	29	33	33	31	84	2.30	....	10	9,033	s.	33	nw.	12	2	9	20	8.1	7.0	4.5
Cincinnati	628	152	160	29.30	29.99	− .13	37.8	+ 5.5	68	29	45	13	13	31	29	35	32	83	2.37	− 1.0	7	6,254	sw.	31	sw.	31	2	10	19	7.9	1.5	T.
Columbus	824	173	222	29.06	29.96	− .15	34.0	+ 5.4	66	28	40	7	13	28	30	32	28	81	2.21	− 0.7	12	10,532	sw.	52	nw.	12	10	5	16	6.5	7.6	0.1
Dayton	899	181	216	28.98	29.95	....	34.4	+ 5.5	66	28	41	8	13	28	31	32	29	82	2.19	− 0.8	8	10,482	s.	48	w.	12	6	6	19	7.4	5.7	0.2
Pittsburgh	842	353	410	29.02	29.95	− .16	34.4	+ 3.7	72	29	41	3	14	28	35	31	27	76	2.41	− 0.5	17	10,558	sw.	51	sw.	31	2	8	21	8.3	17.3	T.
Elkins	1,940	41	50	27.87	29.98	− .14	35.2	+ 6.2	78	29	43	1	14	27	42	32	28	81	2.31	− 1.0	17	3,949	w.	26	w.	21	4	4	23	8.0	13.4	T.
Parkersburg	638	77	84	29.32	29.99	− .13	37.6	+ 6.3	73	29	44	12	14	31	33	33	28	73	1.55	− 1.6	12	5,755	s.	38	nw.	12	6	4	21	7.6	2.9	....
Lower Lake Region.							**27.7**	**+ 3.4**										**82**	**2.65**	**0.0**										**8.1**		
Buffalo	767	247	280	29.05	29.90	− .17	27.9	+ 3.2	59	29	35	−10	13	21	35	26	23	82	3.96	+ 0.7	19	15,130	sw.	92	sw.	31	0	10	21	8.5	23.2	3.2
Canton	448	10	61	29.45	29.95	....	13.0	− 3.3	53	30	24	−31	13	2	42	....	....	....	1.70	− 1.5	17	9,482	e.	53	sw.	31	13	4	14	5.4	14.5	1.5
Oswego	335	76	91	29.55	29.93	− .14	23.7	− 0.2	50	29	31	−21	13	16	31	22	20	85	1.79	− 1.4	18	9,300	s.	43	n.	12	2	4	25	8.7	10.1	....
Rochester	523	86	102	29.34	29.94	− .13	27.0	+ 3.0	59	29	34	−11	13	20	30	24	21	78	2.97	− 0.2	19	7,108	w.	40	w.	31	1	8	22	8.5	15.1	1.0
Syracuse	597	97	113	29.27	29.94	− .13	24.5	+ 1.5	54	30	33	−22	13	16	34	22	19	82	2.55	+ 0.4	16	9,373	s.	48	nw.	12	4	6	21	7.8	16.1	....
Erie	714	92	102	29.12	29.91	− .17	31.0	+ 4.5	65	29	37	− 3	14	25	33	28	25	78	3.14	+ 0.1	15	10,871	s.	49	nw.	12	1	3	27	8.7	22.3	0.6
Cleveland	762	190	201	29.08	29.93	− .16	32.0	+ 6.2	65	29	38	2	14	26	34	30	26	78	1.61	− 0.8	19	12,885	se.	60	w.	12	3	3	25	8.3	10.6	T.
Sandusky	629	62	70	29.24	29.94	− .15	32.2	+ 5.9	65	29	38	8	14	26	31	30	27	83	2.71	+ 0.6	14	7,520	sw.	44	nw.	12	1	7	23	8.6	16.1	0.8
Toledo	628	208	246	29.24	29.93	− .16	32.0	+ 6.4	62	29	38	8	14	26	29	29	26	81	2.85	+ 0.9	17	12,597	sw.	48	sw.	11	3	4	24	8.2	14.0	7.0
Fort Wayne	856	113	124	28.99	29.94	....	32.3	+ 5.4	64	28	38	8	12	26	34	30	27	82	2.25	....	13	8,735	sw.	36	sw.	29	5	3	23	8.1	15.0	7.1
Detroit	730	218	258	29.10	29.92	− .16	29.4	+ 5.1	58	29	36	4	13	23	29	27	25	86	3.26	+ 1.3	19	10,160	w.	42	w.	11	1	8	22	8.5	21.8	7.2
Upper Lake Region.							**24.3**	**+ 6.1**										**84**	**2.39**	**+ 0.4**										**8.8**		
Alpena	609	13	92	29.23	29.92	− .12	22.6	+ 3.9	47	29	29	− 8	13	16	28	22	20	88	3.41	+ 1.2	20	9,529	nw.	38	s.	14	0	7	24	8.7	37.2	15.5
Escanaba	612	54	60	29.22	29.91	− .14	22.3	+ 7.8	42	29	29	− 7	25	16	39	22	19	85	1.57	0.0	14	7,519	n.	36	nw.	11	3	1	27	8.7	9.3	1.2
Grand Haven	632	54	92	29.21	29.91	− .16	28.9	+ 4.4	57	29	35	4	13	23	36	28	25	84	3.29	+ 0.5	15	10,066	n.	50	nw.	11	0	2	29	9.4	22.3	9.0
Grand Rapids	707	70	87	29.12	29.92	− .14	29.0	− 5.2	59	29	35	4	13	23	35	28	26	85	3.24	+ 0.5	14	5,367	nw.	28	w.	29	0	4	27	9.4	27.0	12.0
Houghton	684	62	72	29.14	29.89	− .16	20.4	− 5.9	40	29	27	− 6	12	14	39	....	....	....	2.82	+ 0.8	19	6,690	e.	40	w.	29	2	4	25	8.7	25.6	11.0
Lansing	878	11	62	28.94	29.90	....	27.0	+ 5.0	54	29	34	− 1	13	20	34	26	24	88	2.98	+ 0.9	17	5,070	sw.	24	se.	26	0	3	28	9.3	25.2	10.0
Ludington	637	60	66	29.19	29.90	....	27.6	....	55	28	34	2	13	22	39	27	24	84	1.60	....	19	9,466	se.	39	nw.	11	1	1	29	9.5	9.2	0.9
Marquette	734	77	111	29.10	29.93	− .11	21.8	+ 5.9	44	29	28	− 4	12	16	44	21	18	83	2.63	+ 0.6	19	8,541	nw.	38	sw.	29	2	6	23	8.4	24.9	12.9
Port Huron	638	70	120	29.19	29.91	− .15	26.8	+ 5.0	54	29	33	− 5	13	20	37	26	23	84	2.14	+ 0.2	14	9,782	sw.	42	nw.	12	1	5	25	8.8	14.6	3.0
Saginaw	641	48	82	29.20	29.91	....	25.8	....	55	29	33	− 1	13	19	35	26	24	91	3.11	+ 0.8	16	8,266	s.	36	nw.	11	1	2	28	9.4	22.6	12.5
Sault Ste. Marie	614	11	61	29.21	29.94	− .09	17.3	+ 4.0	48	29	26	−26	13	9	41	16	14	86	1.88	− 0.3	18	6,958	se.	39	w.	29	5	2	24	8.1	17.7	10.3
Chicago	823	140	310	29.04	29.94	− .16	32.4	+ 8.7	60	28	39	4	12	26	36	30	25	73	3.01	+ 1.0	13	10,216	sw.	37	w.	12	4	4	23	8.1	14.8	9.3
Green Bay	617	109	144	29.22	29.90	− .18	23.8	+ 9.2	50	29	30	− 6	12	18	41	23	20	81	0.91	− 0.8	11	8,917	n.	43	w.	29	3	1	27	8.7	5.1	T.
Milwaukee	681	119	133	29.16	29.91	− .17	28.8	+ 9.0	56	29	35	− 3	12	23	39	27	23	78	0.75	− 1.3	8	8,051	sw.	32	s.	26	3	3	25	8.5	5.2	....
Duluth	1,133	11	47	28.66	29.94	− .15	15.4	+ 5.0	39	14	23	−18	12	8	40	14	12	89	1.75	+ 0.8	12	9,595	nw.	49	nw.	9	1	8	22	8.3	13.5	2.9
North Dakota.							**14.8**	**+10.7**										**82**	**0.48**	**− 0.1**										**6.2**		
Moorhead	940	8	57	28.92	29.99	− .15	14.1	+11.4	44	7	24	−15	12	4	34	13	10	86	0.51	− 0.2	9	7,451	nw.	35	nw.	28	7	7	17	6.5	5.0	2.0
Bismarck	1,674	8	57	28.11	29.98	− .15	17.9	+11.2	56	7	29	−14	29	7	51	15	11	77	0.25	− 0.3	5	7,872	nw.	46	nw.	28	6	16	9	5.9	5.0	1.4
Devils Lake	1,482	11	44	28.27	29.93	− .19	9.6	+ 9.3	44	7	20	−22	24	−1	49	8	6	89	0.61	0.0	10	8,760	nw.	44	nw.	28	5	11	15	6.5	9.3	4.8
Williston	1,872	40	47	27.84	29.90	− .21	17.4	+10.9	50	5	29	−24	24	6	43	15	10	76	0.55	0.0	7	5,954	nw.	47	w.	15	8	10	13	6.0	4.6	1.5
Upper Mississippi Valley.							**31.1**	**+ 9.6**										**80**	**1.28**	**− 0.5**										**7.4**		
Minneapolis	918	102	208	....	....	....	21.4	....	43	14	29	−10	12	14	34	....	....	....	0.83	+ 0.1	8	9,064	nw.	44	nw.	11	3	8	20	7.9	7.7	0.2
St. Paul	837	201	236	29.00	29.94	− .17	21.2	+ 9.6	43	14	29	−10	12	13	33	20	16	76	1.05	+ 0.2	8	10,168	nw.	51	nw.	11	3	9	19	7.7	6.8	T.
La Crosse	714	11	48	29.15	29.95	− .16	25.5	+10.3	49	29	33	− 7	12	18	38	....	....	....	1.63	+ 0.6	9	4,683	s.	28	nw.	11	2	5	24	8.4	8.3	T.
Madison	974	70	78	28.85	29.95	− .15	25.9	+ 9.4	53	29	32	− 3	12	19	39	24	21	83	0.70	− 0.9	6	8,200	nw.	39	nw.	11	2	6	23	8.6	5.0	T.
Charles City	1,015	10	49	28.84	29.95	− .19	24.4	+13.0	52	14	33	− 6	12	16	37	22	20	87	1.14	+ 0.2	9	6,424	nw.	27	se.	1	3	11	17	7.5	6.9	T.
Davenport	606	71	79	29.28	29.96	− .16	30.6	+ 9.8	57	28	38	2	12	24	38	28	25	83	0.87	− 0.7	7	6,403	nw.	30	nw.	29	5	5	21	7.5	4.3	T.
Des Moines	861	84	97	29.02	29.95	− .19	29.8	− 9.2	57	19	38	1	12	21	34	27	23	78	0.85	− 0.4	5	6,500	nw.	28	nw.	16	8	5	18	6.6	6.8	....
Dubuque	698	81	96	29.19	29.97	− .15	28.2	+ 9.9	54	29	36	0	12	21	38	26	23	83	0.78	− 0.7	10	5,626	nw.	34	nw.	11	3	5	23	8.2	6.7	T.
Keokuk	614	64	78	29.29	29.99	− .15	34.0	+10.3	64	28	42	4	12	26	38	31	27	80	1.31	− 0.4	7	6,763	nw.	30	w.	20	6	11	14	6.6	1.8	....
Cairo	356	87	93	29.62	30.02	− .14	41.6	+ 6.8	69	28	49	18	13	34	37	37	33	74	1.64	− 2.2	8	8,018	s.	35	n.	29	7	8	16	6.8	0.2	T.
Peoria	609	11	45	....	....	....	32.2	+ 9.1	62	28	39	6	12	25	39	....	....	....	1.93	− 0.3	9	6,679	nw.	30	nw.	11	6	4	21	....	8.6	....
Springfield Ill	644	10	91	29.27	29.98	− .15	35.4	+ 9.1	65	28	42	9	12	28	36	32	28	79	2.13	− 0.1	8	8,195	nw.	28	s.	26	4	6	21	7.7	14.5	10.0
Hannibal	534	74	109	29.39	29.98	− .15	35.8	+ 9.1	64	29	44	7	12	28	42	....	....	....	0.88	− 1.3	8	7,819	nw.	38	sw.	14	7	11	13	6.4	2.6	T.
St. Louis	567	265	303	29.36	29.98	− .16	39.7	+ 8.7	68	28	48	15	12	32	40	35	30	75	2.21	− 0.1	9	12,023	nw.	45	s.	23	8	11	12	6.2	3.0	2.0
Missouri Valley.							**31.8**	**+10.7**										**76**	**0.50**	**− 0.6**										**5.6**		
Columbia, Mo	784	11	84	29.14	30.00	− .13	37.8	+10.6	66	19	46	11	12	29	40	....	....	....	0.55	− 1.7	7	7,321	nw.	34	sw.	29	4	8	19	7.5	1.6	T.
Kansas City	963	161	181	28.94	30.00	− .15	36.4	+10.2	65	19	44	10	12	28	30	32	28	74	0.28	− 0.8	5	9,684	nw.	45	nw.	20	11	9	11	5.4	0.1	....
St. Joseph	967	11	49	28.92	29.99	....	33.9	....	63	19	42	8	12	26	32	30	26	77	0.27	....	3	7,124	nw.	42	nw.	28	10	10	11	5.5	0.8	....
Springfield, Mo	1,324	98	104	28.58	30.01	− .13	39.5	+ 8.2	68	8	49	13	30	30	44	34	29	75	1.80	− 0.9	5	8,577	s.	34	s.	23	9	7	15	6.1	6.2	T.
Iola	984	11	50	28.94	30.02	− .12	37.2	+ 9.6	64	28	46	17	30	28	31	....	....	....	0.39	− 0.6	3	5,890	s.	27	sw.	26	12	12	7	4.8	0.4	....
Topeka	983	85	101	....	....	....	35.8	+10.2	65	19	44	12	12	27	32	....	....	....	0.07	− 0.9	4	7,793	s.	35	n.	29	8	15	8	5.3	0.3	....
Lincoln	1,189	11	84	28.68	29.98	− .17	32.1	+10.9	57	26	40	5	12	24	37	28	25	79	0.28	− 0.3	3	8,509	s.	44	n.	28	11	10	10	5.2	0.6	....
Omaha	1,105	115	121	28.76	29.98	− .17	30.6	+10.1	57	28	39	3	12	23	36	27	23	76	0.56	− 0.1	7	7,349	s.	36	nw.	9	11	10	10	5.2	2.2	....
Valentine	2,598	47	54	27.17	29.96	− .16	31.3	+13.1	63	18	45	− 2	29	18	41	25	19	68	0.07	− 0.4	4	7,907	w.	50	nw.	1	11	14	6	4.6	0.8	....
Sioux City	1,135	94	164	28.72	29.98	− .17	26.6	+11.0	53	15	36	− 2	12	17	39	24	21	81	0.74	+ 0.2	8	10,158	nw.	52	nw.	28	11	11	9	5.2	7.4	....
Huron	1,306	56	67	29.54	29.99	− .17	21.3	+11.8	54	15	32	− 8	12	11	40	19	16	81	0.30	− 0.2	4	7,817	nw.	44	nw.	28	8	7	16	6.4	2.1	....
Pierre	1,572	70	75	28.27	29.99	− .14	25.5	+11.6	54	7	35	− 1	29	16	39	22	16	70	0.43	0.0	2	7,248	e.	48	nw.	1	6	15	10	5.5	3.1	T.
Yankton	1,233	49	57	28.59	29.96	− .20	27.0	+11.5	64	15	37	− 2	12	17	45	....	....	....	0.55	0.0	7	6,205	nw.	31	nw.	1	7	11	13	6.3	5.2	....

TABLE I.—*Climatological data for United States Weather Bureau stations, January, 1914*—Continued.

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.													Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	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.	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 0.01 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, tenths.	Total snowfall.	Snow on ground at end of month.
Northern Slope.							**28.3**	**+ 9.3**										**68**	**0.49**	**− 0.4**										**6.1**		
Havre	2,505	11	44	27.16	29.89	− .21	18.8	+ 5.3	59	7	29	−20	29	8	58	17	11	83	0.64	0.0	8	5,956	sw.	36	sw.	29	4	15	12	6.7	6.4	3.0
Helena	4,110	87	114	25.60	29.88	− .27	31.2	+11.2	61	6	40	0	24	23	37	26	18	60	0.40	− 0.5	8	6,553	sw.	62	sw.	1	3	11	17	7.0	5 5	T.
Kalispell	2,962	11	34	26.74	29.86	− .26	29.2	+ 9.6	50	7	37	8	28	22	23	27	23	78	1.31	− 0.3	12	2,913	sw.	23	sw.	30	2	6	23	8.3	10.9	3.9
Miles City	2,371	26	48	27.32	29.95	− .17	28.1	+13.6	55	22	39	− 8	29	17	48	23	19	76	0.53	− 0.1	11	3,816	se.	38	w.	1	12	14	5	4.3	3.6	T.
Rapid City	3,234	46	50	26.46	29.95	− .15	33.6	+12.1	65	7	47	1	29	20	50	26	17	56	0.01	− 0.4	1	5,751	w.	48	sw.	18	8	9	14	6.3	T.	....
Cheyenne	6,088	58	64	23.88	29.98	− .07	31.4	+ 5.8	53	7	40	5	29	22	28	25	18	60	0.10	− 0.3	3	15,051	w.	70	w.	25	10	11	10	5.4	0.8	0.3
Lander	5,372	60	68	24.52	30.03	− .09	23.6	+ 6.2	48	15	36	− 8	12	11	45	19	11	59	0.08	− 0.4	2	4,657	w.	54	sw.	25	9	17	5	4.9	0.6	T.
Sheridan	3,790	10	47	25.94	29.94	.....	29.2	.....	57	18	44	0	29	14	53	22	14	61	0.35	.....	7	4,550	nw.	52	nw.	1	5	13	13	5.8	4.0	....
Yellowstone Park	6,200	11	48	23.73	29.98	− .16	24.6	+ 7.0	44	6	32	1	28	18	30	22	17	70	1.15	− 1.1	14	7,988	s.	37	sw.	22	3	6	22	7.8	11.0	7.0
North Platte	2,821	11	51	27.01	30.02	− .10	34.0	+12.6	65	26	46	2	29	22	41	27	23	76	0.18	− 0.3	4	5,164	w.	34	nw.	1	12	14	5	4.3	1.8	....
Middle Slope.							**39.2**	**+10.1**										**64**	**0.10**	**− 0.6**										**4.0**		
Denver	5,291	129	172	24.63	29.98	− .07	36.8	+ 7.7	64	18	48	10	29	26	38	29	18	53	0.03	− 0.4	3	6,952	sw.	46	nw.	25	15	15	1	3.6	0.4	....
Pueblo	4,685	80	86	25.22	29.98	− .07	38.6	+ 9.5	64	15	50	6	29	27	43	30	21	54	0.18	− 0.2	2	5,763	w.	36	nw.	1	16	15	0	3.0	1.6	....
Concordia	1,398	42	50	28.49	30.01	− .13	36.2	+11.8	73	26	45	13	12	27	41	31	27	77	0.17	− 0.6	2	5,048	sw.	34	nw.	2	11	10	10	5.5	1.1	....
Dodge City	2,509	11	51	27.35	30.01	− .10	39.4	+12.1	71	7	52	15	11	27	42	31	25	65	0.18	− 0.3	1	7,364	nw.	38	nw.	28	16	12	3	3.5	2.0	....
Wichita	1,358	139	158	28.52	29.98	− .15	38.5	+ 8.8	66	28	47	20	5	30	32	35	30	73	T.	− 0.8	0	9,135	s.	42	n.	28	18	7	6	3.9	T.	....
Oklahoma	1,214	10	47	28.71	30.02	− .09	45.4	+10.7	77	15	56	19	30	34	41	37	30	65	0.05	− 1.3	2	11,271	s.	48	n.	29	13	9	9	4.5	T.	....
Southern Slope.							**49.8**	**+ 8.3**										**54**	**0.05**	**− 0.9**										**3.4**		
Abilene	1,738	10	52	28.22	30.06	− .03	52.4	+ 9.8	82	27	65	20	30	40	38	41	30	51	T.	− 0.9	0	8,283	sw.	32	sw.	22	14	10	7	4.4	....	....
Amarillo	3,676	10	49	26.23	30.01	− .05	45.4	+11.5	77	26	58	20	30	32	38	36	29	62	0.06	− 0.5	2	7,446	w.	42	w.	28	23	7	1	3.1	0.6	....
Del Rio	944	8	57	29.08	30.09	+ .03	54.4	+ 4.2	83	9	69	29	30	40	44	....	....	....	0.11	− 1.6	1	4,729	e.	35	w.	23	22	8	1	2.3	....	....
Roswell	3,566	75	85	26.39	30.03	− .01	47.0	+ 7.8	80	26	63	15	30	31	52	37	25	48	0.04	− 0.5	1	6,152	nw.	39	sw.	27	16	11	4	4.0	0.6	....
Southern Plateau.							**44.1**	**+ 3.4**										**59**	**1.57**	**+ 0.8**										**4.1**		
El Paso	3,762	110	133	26.25	30.07	+ .06	48.4	+ 4.3	76	26	61	20	30	35	40	38	24	43	0.03	− 0.5	1	8,197	w.	50	sw.	28	17	12	2	3.0	....	....
Santa Fe	7,013	57	62	23.24	30.12	+ .08	33.5	+ 5.0	55	14	43	5	29	24	27	26	19	59	0.19	− 0.4	7	4,979	n.	36	sw.	27	12	14	5	4.5	0.6	....
Flagstaff	6,907	8	57	.....	.....	.....	31.6	+ 4.9	65	7	42	− 1	31	22	48	....	....	....	2.45	.....	7	.....	w.	40	w.	27	14	7	10	....	13.0	5.0
Phoenix	1,108	76	81	28.88	30.05	+ .02	54.8	+ 4.8	77	7	67	35	29	43	34	47	39	59	0.30	− 0.9	5	4,051	e.	31	sw.	27	13	6	12	4.8	....	....
Yuma	141	9	58	29.90	30.05	.00	57.8	+ 3.1	79	6	70	37	8	45	39	47	35	49	0.05	− 0.4	1	4,734	n.	30	w.	27	21	6	4	2.6	....	....
Independence	3,910	11	42	26.03	30.08	+ .01	38.6	− 1.9	57	4	48	17	11	29	29	35	33	86	7.29	+ 6.4	11	3,782	n.	50	sw.	25	10	11	10	5.5	....	....
Middle Plateau.							**31.1**	**+ 3.3**										**75**	**2.70**	**+ 1.6**										**6.1**		
Reno	4,532	74	81	25.40	30.01	− .12	35.4	+ 2.9	63	6	45	11	28	26	30	31	26	72	5.46	+ 3.5	14	5,033	w.	46	se.	17	8	11	12	5.8	22.3	T.
Tonopah	6,090	12	20	24.02	30.04	.....	34.2	.....	52	5	40	14	28	29	17	31	27	76	1.11	+ 0.4	7	8,573	se.	50	se.	17	11	12	8	5.2	2.5	....
Winnemucca	4,344	18	56	25.57	30.06	− .14	34.6	+ 5.8	53	24	43	14	10	26	25	31	27	79	1.99	+ 1.0	16	5,831	sw.	45	s.	25	8	5	18	6.8	3.5	....
Modena	5,479	10	43	24.61	30.02	− .04	32.2	+ 4.7	56	7	42	1	28	23	39	28	22	70	1.42	+ 0.7	10	8,082	sw.	54	s.	25	8	11	12	6.1	5.4	1.7
Salt Lake City	4,360	147	189	25.61	30.06	− .09	35.2	+ 6.4	55	17	42	12	29	28	24	31	27	75	3.08	+ 1.7	12	5,507	s.	49	nw.	18	10	9	12	5.7	13.0	3.0
Durango	6,546	18	56	23.66	30.18	+ .13	25.1	+ 0.6	50	14	38	− 5	6	13	45	20	15	68	4.74	+ 3.5	12	3,313	nw.	27	ne.	1	12	3	16	6.2	55.0	10.0
Grand Junction	4,602	43	51	25.45	30.15	+ .09	24.2	− 0.5	58	18	33	− 8	12	15	30	22	20	85	1.13	+ 0.6	12	2,548	nw.	19	se.	27	6	9	16	6.7	6.5	....
Northern Plateau.							**37.2**	**+ 8.4**										**69**	**2.02**	**+ 0.4**										**8.0**		
Baker	3,471	48	53	26.33	29.96	− .20	32.0	+ 8.1	45	6	38	16	19	26	20	30	25	75	1.73	+ 0.4	16	6,144	se.	49	sw.	26	4	9	18	7.0	14.3	1.6
Boise	2,739	78	86	27.12	30.02	− .17	37.8	+ 8.5	56	17	45	19	11	31	27	34	27	63	1.06	− 0.8	14	5,428	se.	33	w.	24	2	4	25	8.5	1.0	0.4
Lewiston	757	40	48	29.05	29.88	− .28	40.0	+ 5.5	59	17	46	29	28	34	26	....	....	....	2.06	+ 0.5	14	3,249	e.	26	s.	26	1	9	21	8.3	1.8	....
Pocatello	4,477	46	54	25.43	30.04	− .16	31.6	+ 6.5	49	17	39	7	11	24	30	28	24	74	2.58	+ 1.9	17	8,630	se.	46	sw.	24	4	10	17	7.4	10.8	0.5
Spokane	1,929	101	110	27.78	29.85	− .27	36.2	+ 9.5	53	6	41	21	28	31	15	34	30	76	2.08	− 0.2	13	5,674	sw.	36	w.	22	1	8	22	8.6	4.3	T.
Walla Walla	1,000	107	115	28.78	29.86	+ .09	45.6	+12.4	70	6	52	27	24	39	27	39	30	58	2.62	+ 0.6	13	8,761	sw.	44	sw.	26	1	6	24	8.5	4.0	....
North Pacific Coast Region.							**43.5**	**+ 4.0**										**88**	**12.64**	**+ 5.9**										**8.9**		
North Head	211	11	56	29.52	29.75	− .30	44.8	+ 3.0	55	11	48	34	27	42	11	44	42	91	15.25	+ 8.6	29	21,383	se.	92	se.	17	0	1	30	9.7	....	....
Port Crescent	259	8	53	29.42	29.70	− .29	39.1	+ 3.1	52	11	44	29	9	34	16	....	....	....	14.12	+ 8.6	29	3,822	se.	26	ne.	14	0	7	24	9.0	6.8	....
Seattle	125	215	250	29.65	29.78	− .27	43.2	+ 3.9	59	5	48	31	28	39	16	42	40	88	9.82	+ 5.3	26	9,452	se.	57	sw.	26	0	5	26	9.0	0.7	....
Tacoma	213	113	120	29.54	29.78	− .26	43.2	+ 5.2	61	5	48	30	24	38	18	43	42	95	11.51	+ 5.7	27	5,483	sw.	40	sw.	7	0	5	26	8.9	0.5	....
Tatoosh Island	86	7	57	29.57	29.67	− .31	42.8	+ 1.6	54	11	46	32	27	39	14	42	41	94	19.09	+ 6.9	30	16,472	e.	84	s.	2	0	7	24	9.0	6.0	....
Portland, Oreg.	153	68	106	29.65	29.81	− .27	45.8	+ 6.7	62	5	50	33	27	41	15	43	40	83	11.53	+ 5.0	29	5,877	s.	39	sw.	26	0	3	28	9.3	1.5	....
Roseburg	510	9	57	29.32	29.87	− .23	45.4	+ 4.6	68	5	52	32	11	39	27	42	39	79	7.19	+ 1.5	25	3,090	s.	28	se.	2	0	17	14	7.6	0.7	....
Middle Pacific Coast Region.							**48.8**	**+ 1.5**										**84**	**8.16**	**+ 3.5**										**6.5**		
Eureka	62	73	89	29.88	29.95	− .15	49.6	+ 2.7	67	4	55	35	9	44	18	47	43	79	9.75	+ 2.1	23	8,717	s.	59	sw.	25	0	8	23	8.5	....	....
Mount Tamalpais	2,375	11	18	27.53	30.02	− .09	43.8	− 2.1	59	5	47	32	27	40	13	42	40	87	8.07	+ 2.1	20	17,028	sw.	70	nw.	28	11	5	15	6.2	....	....
Point Reyes Light	490	7	18	29.47	29.99	.....	50.4	+ 1.0	63	5	54	41	27	47	11	....	....	....	6.62	.....	18	19,275	s.	84	s.	16	10	4	17	6.5	....	....
Red Bluff	332	50	56	29.65	30.01	− .11	47.3	+ 1.9	64	31	53	30	11	42	24	45	42	84	9.20	+ 5.3	19	5,828	se.	31	se.	25	9	7	15	6.4	....	....
Sacramento	69	106	117	29.98	30.05	− .07	48.8	+ 3.2	62	4	54	34	11	44	18	46	44	83	5.97	+ 2.3	16	7,805	se.	45	se.	16	8	6	17	6.0	....	....
San Francisco	155	200	204	29.87	30.04	− .07	51.5	+ 2.0	63	3	56	42	16	47	18	49	46	85	9.76	+ 5.6	16	6,408	s.	43	sw.	24	12	3	16	5.7	....	....
San Jose	141	12	110	29.92	30.06	.....	50.1	+ 1.8	70	3	58	30	11	42	29	....	....	....	6.23	+ 3.4	17	6,358	se.	44	e.	16	8	7	16	6.0	....	....
South Pacific Coast Region.							**53.9**	**+ 3.0**										**75**	**8.48**	**+ 5.7**										**6.0**		
Fresno	327	89	98	29.73	30.10	.00	50.0	+ 4.6	66	1	56	31	11	44	22	47	44	82	4.94	+ 3.3	13	5,237	nw.	40	se.	17	6	3	22	7.5	....	....
Los Angeles	338	159	191	29.70	30.07	− .01	56.8	+ 3.7	82	6	64	42	28	49	27	50	43	68	10.35	+ 7.5	10	4,929	ne.	27	se.	17	10	7	14	5.7	....	....
San Diego	87	62	70	29.97	30.06	− .01	56.3	+ 2.3	76	6	63	42	29	50	24	50	45	71	3.59	+ 1.6	8	4,989	nw.	40	se.	26	15	4	12	4.8	....	....
San Luis Obispo	201	47	54	29.88	30.10	+ .01	52.6	+ 1.6	75	6	60	32	11	46	35	49	46	80	15.03	+10.3	17	1,933	n.	36	se.	17	9	9	13	5.9	....	....
West Indies.																																	
San Juan	82	8	54	29.94	30.03	+ .03	74.6		86	10	81	64	18	68	19				1.83	− 2.8	13	7,865	se.	37	e	29	18	11	2	3.5	....	....
Panama.																																	
Ancon	92	6	69	29.78	29.87	.....	80.4	.....	93	30	90	68	20	71	24	73	71	85	0.32	− 0.6	7	6,033	nw.	23	n.	8	19	11	1	3.6	....	....
Culebra	404	5	62	29.46	29.88	.....	78.7	.....	90	24	87	67	19	70	22	72	71	89	0.48	− 1.3	7	6,689	nw.	25	nw.	6	8	20	3	4.9	....	....
Colon	10	5	71	29.90	29.91	.....	80.7	.....	87	10	84	73	29	77	12	75	73	81	1.35	− 2.6	14	9,680	n.	32	ne.	15	13	12	6	4.6	....	....

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during January, 1914, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate 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.
Abilene, Tex	12			T.														T.			
Albany, N. Y	31			0.54														.11			
Alpena, Mich	31			0.88†														(*)			
Amarillo, Tex	4			0.04														(*)			
Anniston, Ala	30			1.53														.53			
Asheville, N. C	31			0.18														.08			
Atlanta, Ga	24			0.26														.24			
Atlantic City, N. J	24			0.99														.27			
Augusta, Ga	2			1.40														.35			
Baker, Oreg	18			0.48														(*)			
Baltimore, Md	31			1.54														.65			
Bentonville, Ark	29			1.90														.45			
Binghamton, N. Y	31			0.77														.18			
Birmingham, Ala	30	3.35 p. m.	10.00 p. m.	1.01	5.13 p. m.	5.48 p. m.	.03	.21	.23	.29	.38	.46	.52	.57							
Bismarck, N. Dak	25-26			0.11														(*)			
Block Island, R. I	31			0.64														.31			
Boise, Idaho	22			0.16														.13			
Boston, Mass	31			1.02														.35			
Buffalo, N. Y	3-4			1.29														(*)			
Burlington, Vt	31			0.40														(*)			
Cairo, Ill	23-24			0.71														.31			
Canton, N. Y	10			0.32														(*)			
Charles City, Iowa	28			0.59														(*)			
Charleston, S. C	23-24			1.36														.55			
Charlotte, N. C	30			0.66														.32			
Chattanooga, Tenn	30			3.10														.65			
Cheyenne, Wyo	26			0.06														(*)			
Chicago, Ill	31			1.52														(*)			
Cincinnati, Ohio	31			0.71														.17			
Cleveland, Ohio	2-3			0.60														(*)			
Columbia, Mo	28-29			0.35														(*)			
Columbia, S. C	24			0.75														.44			
Columbus, Ohio	31			0.53														.13			
Concord, N. H	24-25			0.90														(*)			
Concordia, Kans	10			0.11														(*)			
Corpus Christi, Tex	29			0.08														.03			
Davenport, Iowa	28-29			0.44														(*)			
Dayton, Ohio	30-31			1.18														(*)			
Del Rio, Tex	12			0.11														.05			
Denver, Colo	9			0.01														.01			
Des Moines, Iowa	28			0.21†														.06			
Detroit, Mich	31			1.32														(*)			
Devils Lake, N. Dak	28			0.21														(*)			
Dodge City, Kans	10			0.18														(*)			
Dubuque, Iowa	18			0.35														(*)			
Duluth, Minn	1-2			0.64														(*)			
Durango, Colo	16-17			1.65														(*)			
Eastport, Me	24-25			1.38														.28			
Elkins, W. Va	3-4			0.49†														(*)			
El Paso, Tex	17			0.03														.02			
Erie, Pa	3-4			1.92†														(*)			
Escanaba, Mich	26			0.33														(*)			
Eureka, Cal	16			0.95														.38			
Evansville, Ind	30			1.06														.22			
Flagstaff, Ariz	26-27			1.53†														(*)			
Fort Smith, Ark	29			0.90														.11			
Fort Wayne, Ind	30-31			0.98														(*)			
Fort Worth, Tex	28			0.29														.22			
Fresno, Cal	25			1.61														.57			
Galveston, Tex	29			0.22														.13			
Grand Haven, Mich	31			1.05†														(*)			
Grand Junction, Colo	16-17			0.40†														(*)			
Grand Rapids, Mich	31			1.39														(*)			
Green Bay, Wis	28-29			0.32														(*)			
Hannibal, Mo	29			0.41														(*)			
Harrisburg, Pa	31			0.74														.15			
Hartford, Conn	31			1.61														.37			
Hatteras, N. C	3	1.15 a. m.	10.17 a. m.	1.26	8.07 a. m.	8.30 a. m.	.36	.09	.26	.55	.77	.85									
Havre, Mont	21-22			0.22														(*)			
Helena, Mont	22-23			0.19														(*)			
Houghton, Mich	11-12			0.70														(*)			
Houston, Tex	29			0.40														.16			
Huron, S. Dak	1			0.20														(*)			
Independence, Cal	25-26			3.53														(*)			
Indianapolis, Ind	30-31			1.68														(*)			
Iola, Kans	28			0.25														.22			
Jacksonville, Fla	24			0.93														.27			
Kalispell, Mont	21-22			0.56														(*)			
Kansas City, Mo	28			0.10														.09			
Keokuk, Iowa	28-29			0.77														(*)			
Key West, Fla	25	5.15 p. m.	7.45 p. m.	0.64	6.18 p. m.	6.38 p. m.	.03	.05	.12	.37	.58										
Knoxville, Tenn	2-3			0.82														(*)			
La Crosse, Wis	28			0.78														.25			
Lander, Wyo	8			0.06														(*)			
Lansing, Mich	31			1.07														(*)			
Lewiston, Idaho	4			0.34														.14			
Lexington, Ky	30			1.01														.24			
Lincoln, Nebr	17-18			0.22														(*)			
Little Rock, Ark	23			0.42														.41			
Los Angeles, Cal	17-18	5.05 p. m.	10.15 a. m.	2.47	5.07 a. m.	5.21 a. m.	1.64	.11	.39	.48											
Louisville, Ky	30			0.60														.26			
Ludington, Mich	28-29			0.62														(*)			
Lynchburg, Va	31			0.70														.44			
Macon, Ga	2			1.08														.38			
Madison, Wis	28-29			0.30														(*)			
Marquette, Mich	8-9			0.58														(*)			
Memphis, Tenn	24			0.65														.43			
Meridian, Miss	24			0.42														.34			

* Self-register not working. † Record partly estimated.

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during January, 1914, at all stations furnished with self-registering gages*—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate 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.
Miami, Fla	3			0.25														.24			
Milwaukee, Wis	29			0.26														(*)			
Minneapolis, Minn	1			0.42														(*)			
Mobile, Ala	2	10.00 a. m.	12.20 p. m.	1.06	11.00 a. m.	11.45 a. m.	.11	.08	.31	.49	.52	.52	.58	.75	.85	.91					
Modena, Utah	27			0.50														(*)			
Montgomery, Ala	2			0.78														.39			
Moorhead, Minn	22			0.14														(*)			
Mount Tamalpais, Cal	22			1.21														.50			
Mount Weather, Va	3–4			1.67														(*)			
Nantucket, Mass	24			0.59														.28			
Nashville, Tenn	30			1.02														.32			
New Haven, Conn	31			2.12														.69			
New Orleans, La	23			0.82														(*)			
New York, N. Y	31			1.89														.39			
Norfolk, Va	3			1.26														.33			
Northfield, Vt	31			0.62														(*)			
North Head, Wash	6			2.61														.28			
North Platte, Nebr	28			0.09														(*)			
Oklahoma, Okla	28–29			0.05														.04			
Omaha, Nebr	17–18			0.41														(*)			
Oswego, N. Y	31			0.62														(*)			
Palestine, Tex	29			0.52														.13			
Parkersburg, W. Va	31			0.34														.13			
Pensacola, Fla	23			0.91														.28			
Peoria, Ill	23			0.50														.20			
Philadelphia, Pa	31			0.66														.24			
Phoenix, Ariz	27			0.19														.05			
Pierre, S. Dak	24			0.25														(*)			
Pittsburgh, Pa	30			0.22														.12			
Pocatello, Idaho	25			0.70														.35			
Point Reyes Light, Cal	12			1.32														.29			
Port Huron, Mich	31			0.76														(*)			
Portland, Me	21			1.00														.16			
Portland, Oreg	22–23			0.99														.23			
Providence, R. I	31			1.21														.39			
Pueblo, Colo	28			0.12														(*)			
Raleigh, N. C	3			1.18														.47			
Rapid City, S. Dak	22			0.01														(*)			
Reading, Pa	31			1.25														.39			
Red Bluff, Cal	13			1.05														.31			
Reno, Nev	17–18			1.35														(*)			
Richmond, Va	3			2.14														.41			
Rochester, N. Y	31			0.97														(*)			
Roseburg, Oreg	24			0.82														.19			
Roswell, N. Mex	29			0.04														(*)			
Sacramento, Cal	22			0.50														.26			
Saginaw, Mich	31			1.56														(*)			
St. Joseph, Mo	25			0.15														(*)			
St. Louis, Mo	30–31			0.82														(*)			
St. Paul, Minn	1–2			0.47														(*)			
Salt Lake City, Utah	26			0.84														(*)			
San Antonio, Tex	29			0.05														.05			
San Diego, Cal	26			2.04														.53			
Sand Key, Fla	25			1.04														.43			
Sandusky, Ohio	30–31			0.71														(*)			
San Francisco, Cal	12			1.86														.69			
San Jose, Cal	17			0.75														.33			
San Luis Obispo, Cal	25			4.62														.56			
Santa Fe, N. Mex	25			0.06														(*)			
Sault Ste. Marie, Mich	8–9			0.34														(*)			
Savannah, Ga	23			1.73														.32			
Scranton, Pa	3			0.29†														(*)			
Seattle, Wash	22			0.61														.23			
Sheridan, Wyo	24			0.22														(*)			
Shreveport, La	29			0.50														.24			
Sioux City, Iowa	17–18			0.42														(*)			
Spokane, Wash	21			0.50														(*)			
Springfield, Ill	30–31			1.08														(*)			
Springfield, Mo	29			1.11														(*)			
Syracuse, N. Y	31			0.90														(*)			
Tacoma, Wash	22			0.78														.28			
Tampa, Fla	23–24	8.30 p. m.	6.25 a. m.	2.97	1.07 a. m.	2.11 a. m.	.59	.11	.19	.32	.45	.59	.66	.72	.77	.88	.97	1.09	1.25		
Tatoosh Island, Wash	6			0.87														.34			
Taylor, Tex	29			0.07														.04			
Terre Haute, Ind	30–31			1.46†														(*)			
Thomasville, Ga	23			3.19														.75			
Toledo, Ohio	30–31			1.40														(*)			
Tonopah, Nev	25–26			0.60														(*)			
Topeka, Kans	17			0.03														.02			
Valentine, Nebr	24–25			0.04														(*)			
Vicksburg, Miss	2			0.19														.12			
Walla Walla, Wash	22–23			0.72														(*)			
Washington, D. C	24			1.20														.37			
Wichita, Kans	5			T.														T.			
Williston, N. Dak	28			0.25														(*)			
Wilmington, N. C	24			0.78														.27			
Winnemucca, Nev	17–18			0.40														(*)			
Wytheville, Va	2–3			1.23														(*)			
Yankton, S. Dak	17			0.25														(*)			
Yellowstone Park, Wyo	25–26			0.30														(*)			

* Self-registor not working. † Record partly estimated.

TABLE III.—*Data furnished by the Canadian Meteorological Service, January, 1914.*

Districts and stations.	Pressure in inches.			Temperature.						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.	Snowfall.
St. Johns, N. F.	29.38	29.52	−0.34	22.6	− 1.2	28.0	17.2	47	5	5.45	−0.46	21.0
Sydney, C. B. I.	29.73	29.77	− .16	22.7	+ 2.2	29.6	15.8	50	0	2.34	−2.76	15.0
Halifax, N. S.	29.72	29.83	− .14	22.2	+ 0.4	31.3	13.1	51	− 7	2.86	−2.91	8.9
Yarmouth, N. S.	29.79	29.86	− .14	25.8	− 0.5	33.2	18.4	45	1	3.07	−2.34	12.6
Charlottetown, P. E. I.	29.79	29.83	− .13	16.8	− 0.2	24.6	8.9	42	− 6	3.29	−0.67	25.2
Chatham, N. B.	29.88	29.91	− .06	10.4	+ 0.6	21.2	− 0.3	44	−21	3.66	+0.07	22.3
Father Point, Que.	29.92	29.95	− .03	7.2	− 0.8	15.9	− 1.5	44	−20	1.01	−1.84	9.5
Quebec, Que.	29.60	29.94	− .08	10.1	+ 1.0	18.3	1.9	43	−24	3.69	−0.32	36.5
Montreal, Que.	29.73	29.96	− .08	12.2	+ 0.5	20.1	4.3	44	−27	4.23	+0.50	31.2
Stonecliffe, Ont.	29.32	29.96	− .06	9.1	+ 2.7	18.4	− 0.2	47	−32	3.18	+0.86	31.7
Ottawa, Ont.	29.69	30.03	.00	11.2	+ 1.6	20.2	2.1	42	−30	3.12	+0.13	25.6
Kingston, Ont.	29.63	29.97	− .08	17.0	− 0.1	26.1	7.8	45	−28	2.76	−0.69	21.5
Toronto, Ont.	29.50	29.90	− .15	25.6	+ 4.2	33.3	17.8	54	−22	3.44	+0.52	30.2
White River, Ont.	28.51	29.89	− .12	3.6	+ 4.0	18.0	−10.8	37	−48	1.00	−0.69	10.0
Port Stanley, Ont.	29.26	29.92	− .15	27.6	+ 5.4	34.1	20.2	47	−11	3.93	+0.94	32.0
Southampton, Ont.	29.17	.....	.....	24.8	+ 4.4	31.9	17.7	52	−10	3.17	−0.88	29.4
Parry Sound, Ont.	29.20	29.93	− .08	17.6	+ 3.8	28.2	7.1	47	−34	2.98	−1.10	28.0
Port Arthur, Ont.	29.19	29.92	− .15	12.6	+ 9.5	23.0	2.3	36	−22	0.97	+0.15	9.7
Winnipeg, Man.	29.07	29.94	− .17	7.7	+14.5	16.7	− 1.3	34	−24	0.79	−0.09	7.8
Minnedosa, Man.	28.02	29.93	− .17	4.2	+11.4	14.3	− 5.8	37	−30	1.76	+0.96	17.6
Qu'Appelle, Sask.	27.54	29.89	− .19	9.5	+13.3	18.2	0.8	50	−30	1.54	+1.04	15.4
Medicine Hat, Alberta.	27.48	29.85	− .22	16.8	+11.3	27.3	6.4	56	−29	1.22	+0.65	10.9
Swift Current, Sask.	27.16	29.85	− .24	13.4	+10.3	24.2	2.6	56	−36	0.61	−0.03	6.1
Calgary, Alberta.	26.14	29.80	− .23	16.3	+ 7.9	26.0	6.6	56	−26	0.93	+0.40	9.3
Banff, Alberta.	25.07	29.84	− .16	16.0	+ 3.9	23.4	8.6	40	−25	2.54	+1.35	19.1
Edmonton, Alberta	27.47	29.88	− .15	7.8	+ 6.0	16.6	− 1.0	42	−29	1.04	+0.36	10.4
Prince Albert, Sask.	28.24	29.87	− .22	4.7	+13.1	13.7	− 4.3	36	−35	0.71	−0.26	7.1
Battleford, Sask.	28.07	29.90	− .18	5.8	+11.7	14.5	− 2.9	40	−35	0.70	+0.30	7.0
Kamloops, B. C.	28.49	29.78	− .18	29.8	+ 6.8	35.5	24.2	50	− 2	1.68	+0.86	12.3
Victoria, B. C.	29.61	29.71	− .26	42.1	+ 3.6	45.5	38.7	52	28	8.47	+3.08	3.6
Barkerville, B. C.	25.28	29.67	− .22	16.7	− 1.1	23.7	9.7	36	−25	4.60	+2.00	41.5
Hamilton, Bermuda.	29.84	30.01	− .12	62.4	+ 0.4	66.1	58.7	71	47	6.18	+1.24	.....