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. daily, 75th meridian time, 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

It is impracticable to make this table sufficiently wide to accommodate on one line the record of accumulated falls that continue at an excessive rate for several hours. In this case *the record is broken at the end of each 50 minutes*, the accumulated amounts being recorded on successive lines until the excessive rate ends.

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.

The tipping-bucket mechanism is *dismounted* and removed when there is danger of snow or water freezing in the same. Table II records this condition by entering an asterisk (*).

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. The sealevel pressures have been computed at Washington by the method employed for reducing United States observations and described by F. H. Bigelow in this REVIEW, January, 1902, pages 13–16; the altitudes are those furnished us on January 1, 1916.

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., 75th meridian time. Within each circle is also given (Chart II) the last three figures of the highest barometric reading or (Chart III) the lowest reading reported at or near the center at that time, and in both cases as reduced to sealevel and standard gravity.

Chart IV.—Temperature departures. This chart presents the departures of the monthly mean temperatures from the monthly normals. The normals used in computing the departures were computed for a period of 33 years (1873 to 1905) and are published in Weather Bureau Bulletin "R," Washington, 1908. Stations whose records were too short to justify the preparation of normals in 1908 have been provided with normals as adequate records became available, and all have been reduced to the 33-year interval 1873–1905. The shaded portions of the chart indicate areas of positive departures and unshaded portions indicate areas of negative departures. Generalized lines connect places having approximately equal departures of like sign. This chart of monthly temperature departures in the United States was first published in the MONTHLY WEATHER REVIEW for July, 1909.

Chart V.—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 VI.—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 VII.—Isobars and isotherms at sealevel and prevailing wind directions. The pressures have been reduced to sealevel 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 sealevel 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_0–t, or temperature on the sealevel plane minus the station temperature as given by Table 48 of that report, is added to the observed surface temperature to obtain the adopted sealevel 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 VIII.—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 is published only when the general snow cover is sufficiently extensive to justify its preparation.

Chart IX.—Average values of pressure, temperature, and prevailing wind directions, and storm tracks over the North Atlantic Ocean *for the corresponding month of last year*.

Chart X.—Presents *annually* the tracks of hurricanes of the year; tracks of the same month are all in one color. This chart was first published in the issue for September, 1916.

Chart XI.—Presents *annually*, by means of a dot for each report, the frequency of earthquakes in the United States during the year. This chart was first published in the REVIEW for December, 1915.

TABLE I.—*Climatological data for Weather Bureau stations, January, 1917.*

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.												Precipitation.			Wind.										
	Barometer above sea level.	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.	Total.	Departure from normal.	Days with 0.01 inch or more.	Total movement.	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.
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles.								0-10	In.	In.
New England.							25.3	+ 0.9										74	3.17	− 0.3										6.7		
Eastport	76	67	85	29.84	29.93	−0.07	20.6	+ 0.5	47	14	29	− 8	20	13	33	18	12	70	3.87	0.0	19	10,128	w.	50	s.	14	6	13	12	6.1	19.6	7.2
Greenville	1,070	6	....	28.70	29.92	.....	12.4	.....	43	14	22	−16	20	3	36	....	....	....	3.95	.....	16	.....	.....	.....	.....	.....	11	2	18	....	39.5	30.0
Portland, Me.	103	82	117	29.85	29.98	− .07	22.4	+ 0.4	47	14	30	− 2	20	15	36	19	12	66	4.53	+ 0.7	15	9,810	w.	68	se.	14	11	7	13	5.6	24.2	12.6
Concord	288	70	79	29.66	29.99	− .06	21.4	+ 0.2	48	14	30	− 6	13	13	36	....	....	....	3.35	0.0	12	4,069	nw.	34	w.	22	8	6	17	6.4	18.8	10.5
Burlington	404	11	48	29.50	29.97	− .08	16.0	− 0.3	42	14	25	−14	12	7	32	....	....	....	2.18	+ 0.4	15	9,992	s.	48	s.	29	6	6	19	7.3	16.6	11.8
Northfield	876	12	60	28.98	29.97	− .08	14.5	− 0.6	46	14	26	−21	20	3	37	13	10	84	3.20	+ 0.7	12	5,527	s.	34	s.	5	5	6	20	7.6	22.2	19.5
Boston	125	115	188	29.84	29.99	− .06	30.2	+ 3.2	55	14	38	5	12	23	40	27	22	73	2.82	− 1.0	12	8,320	w.	39	sw.	14	9	5	17	6.5	13.1	0.6
Nantucket	12	14	90	29.98	29.99	− .05	31.4	− 0.7	50	6	38	8	12	25	31	29	27	84	2.68	− 0.7	13	11,688	nw.	42	sw.	14	7	8	16	7.0	6.6	T.
Block Island	26	11	46	29.97	30.00	− .07	32.0	+ 0.6	51	14	38	6	12	26	31	29	25	76	2.98	− 0.9	13	15,402	nw.	60	nw.	19	9	2	20	7.1	4.1	....
Narragansett Pier	.....	9	....	.....	.....	.....	27.1	− 1.3	48	5	33	− 1	12	21	36	....	....	....	3.86	.....	16	.....	w.	....	.....	.....	10	4	17	....	10.0	T.
Providence	160	215	251	29.81	30.00	− .06	29.6	+ 2.4	53	14	37	2	12	22	37	26	20	71	3.01	− 1.4	14	10,268	nw.	60	w.	22	9	5	17	6.5	10.0	T.
Hartford	159	122	140	29.83	30.01	− .05	28.2	+ 2.7	52	14	36	2	12	21	34	25	20	73	2.90	− 0.9	13	5,813	nw.	45	s.	14	8	4	19	7.2	7.9	1.0
New Haven	106	117	155	29.90	30.02	− .06	30.6	+ 3.3	50	14	38	4	12	23	32	27	22	73	3.34	− 0.6	13	6,813	nw.	44	s.	14	9	5	17	6.6	4.3	0.1
Middle Atlantic States.							34.1	+ 2.5										72	2.90	− 0.3										6.3		
Albany	97	102	115	29.90	30.01	−0.03	24.7	+ 2.2	48	14	32	− 2	12	17	33	22	17	74	1.67	− 0.9	11	5,844	s.	28	s.	10	9	5	17	6.5	4.7	1.0
Binghamton	871	10	69	29.02	29.99	− .11	25.8	+ 2.7	46	5	34	0	27	17	36	....	....	....	2.36	+ 0.4	13	5,112	nw.	34	se.	5	7	9	15	6.5	6.5	T.
New York	314	414	454	29.67	30.03	− .07	32.4	+ 2.2	52	5	40	7	12	25	27	28	21	64	2.44	− 1.4	14	14,389	nw.	68	nw.	22	7	8	16	6.8	5.9	....
Harrisburg	374	94	104	29.64	30.06	− .04	30.5	+ 1.8	52	7	38	11	12	23	25	27	21	70	4.20	+ 1.4	12	5,115	nw.	32	w.	22	11	6	14	5.6	12.2	T.
Philadelphia	117	123	190	29.93	30.06	− .05	35.2	+ 3.4	56	5	42	12	12	28	31	31	25	70	1.90	− 1.5	10	8,092	nw.	40	s.	14	8	8	15	6.5	5.4	....
Reading	325	81	98	29.70	30.07	.....	31.4	.....	55	14	39	9	12	24	36	28	22	69	4.14	+ 0.6	14	5,665	nw.	37	se.	3	7	9	15	6.4	9.1	T.
Scranton	805	111	119	29.14	30.03	− .06	28.4	+ 2.9	52	14	36	2	12	20	37	25	21	76	3.15	+ 0.4	16	6,060	sw.	39	sw.	22	8	9	14	6.3	9.3	T.
Atlantic City	52	37	48	30.00	30.06	− .05	35.2	+ 2.7	58	22	43	10	12	28	32	32	27	74	2.89	− 0.5	11	6,050	nw.	30	s.	14	8	5	18	7.0	0.3	....
Cape May	18	13	49	30.06	30.08	− .04	34.8	+ 0.7	54	22	41	14	12	28	25	33	....	....	3.28	− 0.1	13	6,894	nw.	31	se.	13	8	7	16	6.5	1.6	....
Sandy Hook	22	10	57	30.00	30.03	.....	32.4	.....	50	14	38	10	12	27	26	30	26	78	2.78	.....	14	12,455	nw.	62	s.	14	7	9	15	6.3	6.4	....
Trenton	190	159	183	29.82	30.03	.....	32.4	.....	55	14	40	8	12	25	32	28	23	71	3.10	− 0.1	13	8,782	w.	51	sw.	14	8	8	15	6.5	6.3	....
Baltimore	123	100	113	29.94	30.07	− .05	35.3	+ 1.9	57	22	42	15	12	28	28	31	24	66	3.04	− 0.2	12	4,227	sw.	20	w.	22	10	5	16	6.2	5.9	....
Washington	112	62	85	29.94	30.07	− .06	35.0	+ 2.1	59	22	43	14	12	27	28	30	24	68	2.57	− 0.8	12	4,767	nw.	35	nw.	22	11	4	16	6.0	4.8	....
Lynchburg	681	153	188	29.30	30.07	− .06	39.4	+ 3.6	67	30	49	13	12	30	29	34	29	69	2.69	− 1.0	12	5,284	w.	29	nw.	6	8	9	14	6.5	0.1	....
Norfolk	91	170	205	29.98	30.08	− .05	42.8	+ 2.4	68	5	51	19	12	34	33	39	35	79	2.28	− 1.1	16	9,931	sw.	40	nw.	14	10	5	16	6.0	T.	....
Richmond	144	11	52	29.91	30.08	− .05	39.8	+ 1.8	65	22	49	16	12	30	33	35	32	79	2.98	0.0	14	5,798	sw.	31	sw.	22	7	8	16	6.5	T.	....
Wytheville	2,293	49	55	27.63	30.07	− .07	38.2	+ 5.2	63	31	47	8	12	30	30	33	30	78	3.77	− 0.5	17	6,087	w.	31	w.	18	10	10	11	5.5	1.3	....
South Atlantic States.							50.8	+ 5.6										81	3.10	− 0.8										6.0		
Asheville	2,255	70	84	27.68	30.09	−0.06	42.2	+ 6.8	69	31	52	8	12	32	33	37	33	75	2.58	− 2.1	13	6,729	nw.	36	se.	5	7	13	11	6.1	2.0	....
Charlotte	773	153	161	29.23	30.09	− .06	46.1	+ 5.7	72	30	54	19	12	38	24	42	38	79	3.08	− 1.2	15	7,585	sw.	39	nw.	11	8	8	15	6.4	T.	....
Hatteras	11	12	50	30.07	30.08	− .06	47.8	+ 2.0	64	5	55	25	12	41	24	46	44	87	3.12	− 1.8	15	10,641	sw.	46	nw.	11	8	9	14	6.3	0.0	....
Manteo	12	4	46	.....	.....	.....	45.8	.....	66	5	56	20	12	36	....	....	....	....	3.88	− 0.8	6	.....	sw.	....	.....	.....	9	9	13	....	0.0	....
Raleigh	376	103	110	29.68	30.10	− .03	45.4	+ 5.0	71	30	54	18	12	36	28	41	37	77	4.09	+ 0.5	15	6,034	sw.	36	nw.	5	6	8	17	6.8	T.	....
Wilmington	78	81	91	30.02	30.11	− .03	51.2	+ 5.6	76	30	61	22	12	42	37	46	44	84	3.09	− 0.4	15	5,604	w.	35	sw.	5	10	6	15	6.1	T.	....
Charleston	48	11	92	30.07	30.12	− .03	54.6	+ 5.3	76	30	62	28	12	47	26	50	48	86	2.69	− 0.8	11	7,136	sw.	30	nw.	11	11	7	13	5.4	0.0	....
Columbia, S. C.	351	41	57	29.72	30.11	− .04	50.4	+ 5.3	76	30	59	21	12	42	29	45	40	75	2.90	− 0.4	13	5,801	sw.	34	sw.	3	10	4	17	6.5	0.0	....
Augusta	180	62	77	29.92	30.11	− .05	52.3	+ 6.4	77	30	61	23	12	43	33	47	44	82	4.59	+ 0.4	13	4,229	nw.	26	w.	11	9	5	17	6.2	0.0	....
Savannah	65	150	194	30.06	30.13	− .02	56.8	+ 6.9	78	30	66	27	12	48	28	51	48	81	3.68	+ 0.6	10	9,105	sw.	50	nw.	11	9	7	15	6.0	0.0	....
Jacksonville	43	200	245	30.09	30.14	− .01	61.2	+ 7.3	79	30	70	30	12	52	30	56	53	82	0.41	− 2.7	5	9,527	sw.	40	sw.	5	11	14	6	4.5	0.0	....
Florida Peninsula.							69.4	+ 4.9										82	0.30	− 2.4										2.8		
Key West	22	10	64	30.10	30.12	+0.02	72.6	+ 3.8	81	28	78	57	12	67	13	67	65	82	0.14	− 1.8	3	7,182	e.	26	n.	11	24	7	0	1.8	0.0	....
Miami	25	71	79	30.12	30.15	.....	69.8	+ 2.5	79	24	76	43	12	64	25	65	62	79	0.11	− 3.3	3	5,825	e.	26	nw.	11	18	12	1	3.0	0.0	....
Sand Key	23	39	72	30.08	30.11	+ .01	72.4	.....	76	25	74	55	12	70	16	68	66	80	0.03	.....	2	10,393	e.	36	n.	11	24	7	0	2.3	0.0	....
Tampa	35	79	96	30.11	30.16	+ .04	65.8	+ 8.4	81	15	75	37	12	57	28	60	58	85	0.66	− 2.1	4	4,349	nw.	26	sw.	10	12	16	3	4.3	0.0	....
East Gulf States.							53.4	+ 6.1										81	5.50	+ 0.5										6.5		
Atlanta	1,174	190	216	28.86	30.12	−0.03	47.9	+ 5.7	72	30	55	18	12	40	23	44	40	78	5.11	− 0.2	17	8,612	nw.	44	nw.	5	9	5	17	6.6	T.	....
Macon	370	78	87	29.72	30.12	− .04	52.2	+ 6.6	76	30	62	21	12	43	34	48	45	82	4.69	− 0.5	15	4,369	s.	30	nw.	10	7	8	16	6.5	T.	....
Thomasville	273	49	58	29.84	30.14	− .02	58.2	+ 7.2	78	30	68	27	12	48	31	53	50	82	6.61	+ 2.5	9	3,811	sw.	22	sw.	5	10	8	13	6.0	0.0	....
Pensacola	56	140	182	30.07	30.13	− .01	58.2	+ 5.9	71	18	64	34	14	52	27	55	52	84	5.21	+ 1.2	7	10,044	sw.	44	nw.	5	6	7	18	6.9	0.0	....
Anniston	741	9	57	29.32	30.13	− .03	49.0	+ 6.8	74	30	58	20	12	40	32	....	....	....	7.45	+ 2.1	18	4,588	s.	29	sw.	5	10	7	14	6.0	0.1	....
Birmingham	700	11	48	29.36	30.14	− .02	49.4	+ 4.1	75	4	58	21	14	41	29	45	41	77	6.79	+ 1.5	17	5,995	s.	36	s.	5	8	6	17	6.7	T.	....
Mobile	57	125	161	30.06	30.12	− .03	57.2	+ 7.4	77	9	65	32	14	50	23	52	49	83	3.04	− 1.8	13	7,986	s.	49	nw.	5	7	8	16	6.6	0.0	....
Montgomery	223	100	112	29.89	30.14	− .02	53.4	+ 5.7	78	4	61	25	12	46	27	49	45	77	7.38	+ 2.3	14	5,291	sw.	27	nw.	5	7	10	14	6.5	0.0	....
Corinth	469	6	....	.....	.....	.....	43.0	.....	78	29	54	14	14	32	34	....	....	....	6.38	.....	17	.....	s.	....	.....	.....	6	10	15	....	0.0	....
Jackson	304	5	....	.....	.....	.....	52.8	.....	81	29	62	21	14	44	39	....	....	....	4.38	.....	16	.....	sw.	....	.....	.....	7	10	14	....	0.0	....
Meridian	375	85	93	29.72	30.12	− .04	51.2	+ 6.2	78	30	60	21	14	43	32	47	44	81	5.89	+ 0.4	14	4,925	sw.	25	w.	5	8	6	17	6.3	T.	....
Vicksburg	247	65	74	29.85	30.14	− .01	51.2	+ 4.2	79	29	59	21	14	43	32	48	45	83	4.21	− 1.5	18	5,881	se.	31	se.	15	8	4	19	6.9	0.0	....
New Orleans	51	76	84	30.06	30.12	− .01	59.8	+ 6.8	80	4	67	34	14	52	33	55	53	84	4.12	− 0.5	13	5,817	sw.	25	nw.	11	9	7	15	6.3	0.0	....
West Gulf States.							50.4	+ 4.2										75	1.45	− 1.5										6.2		
Shreveport	249	77	93	29.84	30.12	−0.02	50.5	+ 4.3	81	30	59	22	14	42	39	46	42	77	3.29	− 1.1	12	5,872	s.	32	w.	21	11	2	18	6.3	0.5	....
Bentonville	1,303	11	44	28.66	30.06	− .08	38.1	+ 4.0	71	30	49	8	31	27	54	....	....	....	1.08	− 1.6	5	5,222	nw.	26	s.	26	13	6	12	5.2	1.5	....
Fort Smith	457	79	94	29.59	30.08	− .06	42.2	+ 3.9	77	30	52	15	14	32	50	38	32	71	0.68	− 1.8	7	6,569	e.	41	nw.	10	12	2	17	5.9	0.8	....
Little Rock	357	139	147	29.72	30.11	− .04	45.0	+ 4.4	75	30	54	15	15	36	45	41	36	74	2.53	− 2.3	10	7,790	s.	38	nw.	10	9	3	19	6.5	5.5	....
Brownsville	57	3	40	.....	.....	.....	62.6	.....	86	10	71	34	15	54	34	....	....	....	0.28	.....	5	.....	n.	....	.....	.....	....	....	....	....	....	....
Corpus Christi	20	69	77	30.08	30.10	.00	58.3	+ 4.8	85	31	64	32	14	52	26	54	52	86	0.23	− 2.0	5	8,568	s.	37	ne.	22	2	11	18	7.7	0.0	....
Dallas	512	109	117	29.54	30.10	.....	48.0	.....	84	30	58	20	14	38	48	....	....	....	1.00	.....	7	7,686	s.	38	s.	12	9	8	14	5.9	7.1	....
Fort Worth	670	106	114	29.36	30.09	− .03	48.6	+ 4.3	85	30	59	19	14	38	48	41	33	59	1.43	+ 0.5	5	8,408	s.	36	nw.	12	8	11	12	5.9	8.2	....
Galveston	54	106	114	30.06	30.12	− .01	56.6	+ 3.9	74	29	62	32	14	52	30	53	51	87	2.21	− 1.4	8	9,079	s.	33	n.	11	6	11	14	6.6	T.	....
Houston	138	111	121	29.96	30.11	.....	57.2	+ 4.3	81	1	65	28	14	49	33	....	....	....	1.29	.....	10	6,251	n.	30	s.	4	7	7	17	6.7	0.0	....
Palestine	510	64	72	29.56	30.10	− .02	51.2	+ 4.7	81	30	60	21	14	43	45	46	42	77	1.66	− 2.2	10	5,967	sw.	26	n.	10	9	3	19	6.7	1.0	....
San Antonio	701	119	132	29.36	30.10	.00	55.2	+ 4.1	84	29	65	27	14	46	39	49	43	71	0.95	− 0.7	8	5,636	ne.	30	n.	22	10	11	10	5.1	0.0	....
Taylor	582	55	63	29.51	30.13	+ .02	51.4	+ 3.9	84	29	62	22	14	41	48	....	....	....	0.42	− 2.4	7	7,077	sw.	39	sw.	12	5	12	14	6.3	T.	....

TABLE I.—*Climatological data for Weather Bureau stations, January, 1917*—Continued.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.													Precipitation.			Wind.										
	Barometer above sea level.	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.	Total.	Departure from normal.	Days with 0.01 inch or more.	Total movement.	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.
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F		°F	°F.		°F	°F.	°F.	°F.	%	In.	In.		Miles.								0-10	In.	In.
Ohio Valley and Tennessee.							35.9	+ 2.8										78	5.30	+ 1.5										6.6		
Chattanooga	762	189	213	29.30	30.13	−0.03	45.2	+ 4.6	73	29	53	18	12	38	24	41	36	73	7.42	+ 1.9	19	6,010	sw.	44	nw.	21	6	6	19	7.1	0.1	....
Knoxville	996	93	100	29.01	30.09	− .06	43.4	+ 5.9	70	29	52	16	12	35	30	39	36	78	6.82	+ 1.8	18	4,181	sw.	34	sw.	3	4	6	21	7.5	0.8	....
Memphis	399	76	97	29.70	30.13	− .03	44.7	+ 4.4	72	3	52	16	14	37	38	40	35	73	5.37	+ 0.2	15	7,646	sw.	48	sw.	21	9	7	15	6.3	5.4	....
Nashville	546	168	191	29.52	30.12	− .04	41.8	+ 3.8	73	29	50	11	14	33	32	38	34	77	7.27	+ 2.4	16	7,747	s.	49	s.	5	7	4	20	7.1	1.5	....
Lexington	989	193	230	29.00	30.10	− .03	35.2	+ 2.2	65	31	44	4	14	27	33	....	....	....	5.67	+ 1.8	15	10,913	sw.	52	s.	5	7	8	16	6.8	16.8	....
Louisville	525	219	255	29.50	30.10	− .04	35.9	+ 1.6	64	31	44	5	14	27	32	33	29	77	6.12	+ 2.2	13	9,443	sw.	50	w.	21	6	9	16	6.8	9.9	....
Evansville	431	139	175	29.60	30.09	− .05	36.3	+ 4.0	65	31	44	7	14	28	36	33	30	78	4.93	+ 1.2	14	8,928	sw.	42	sw.	12	4	18	9	6.3	7.6	....
Indianapolis	822	194	230	29.14	30.06	− .06	30.6	+ 2.4	66	31	39	0	26	22	35	27	24	79	3.40	+ 0.6	13	9,464	sw.	48	w.	22	6	11	14	6.5	5.8	....
Terre Haute	575	96	129	29.42	30.06	.....	31.5	.....	67	31	40	4	26	23	37	28	24	79	2.76	.....	9	7,906	sw.	39	w.	22	4	16	11	6.5	3.3	....
Cincinnati	628	11	51	29.37	30.07	− .05	32.4	+ 2.1	67	31	42	0	14	23	33	29	27	83	4.74	+ 1.4	14	6,569	sw.	39	sw.	21	5	11	15	6.5	7.3	....
Columbus	824	173	222	29.15	30.06	− .05	29.8	+ 1.2	62	31	38	− 2	14	22	27	27	24	80	3.74	+ 0.8	15	9,307	sw.	50	w.	22	12	7	12	5.2	15.4	....
Dayton	899	181	216	29.05	30.04	.....	29.9	+ 1.0	64	31	38	− 1	14	22	31	28	25	84	4.04	+ 1.0	14	8,403	sw.	40	w.	22	7	9	15	5.8	9.0	....
Pittsburgh	842	353	410	29.12	30.05	− .06	31.6	+ 0.9	62	31	40	5	15	23	35	28	24	76	4.33	+ 1.5	18	9,340	sw.	53	w.	22	3	15	13	6.7	8.7	....
Elkins	1,940	41	50	27.95	30.08	− .04	32.6	+ 3.6	70	31	44	3	12	21	43	30	26	78	4.58	+ 1.2	17	3,829	w.	24	w.	22	4	9	18	7.6	7.0	....
Parkersburg	638	77	84	29.41	30.08	− .04	33.2	+ 1.9	72	31	42	4	17	24	38	30	27	80	5.71	+ 2.5	18	4,669	sw.	33	nw.	14	7	8	16	6.9	14.3	....
Lower Lake Region.							24.1	− 0.2										80	2.65	0.0										7.1		
Buffalo	767	247	280	29.12	29.98	−0.09	24.4	− 0.3	48	5	31	− 2	12	18	30	22	19	83	2.79	− 0.5	17	17,820	w.	90	w.	22	2	10	19	7.7	16.8	5.2
Canton	448	10	61	29.45	29.96	.....	14.4	− 1.9	46	5	23	−25	27	5	39	....	....	....	3.33	+ 0.2	17	9,855	w.	47	sw.	5	7	4	20	7.2	18.9	6.7
Oswego	335	76	91	29.60	29.98	− .09	23.1	− 0.8	45	5	30	− 4	11	16	30	22	19	84	2.42	− 0.7	19	10,180	s.	46	sw.	22	0	4	27	9.1	24.7	9.0
Rochester	523	97	113	29.40	29.99	− .08	24.6	+ 0.6	47	5	31	3	11	18	31	22	17	75	3.04	− 0.1	17	8,790	sw.	48	w.	22	4	8	19	7.5	22.7	5.5
Syracuse	597	97	113	29.33	30.00	− .07	24.0	+ 1.0	49	5	32	− 6	11	16	34	22	18	78	2.45	+ 0.3	19	10,417	w.	50	w.	22	1	11	19	7.6	22.4	3.0
Erie	714	130	166	29.20	29.99	− .09	26.6	+ 0.1	50	5	34	3	27	20	33	24	20	77	2.34	− 0.7	12	10,870	sw.	58	sw.	22	1	11	19	7.9	11.3	....
Cleveland	762	190	201	29.17	30.02	− .07	27.3	+ 1.1	51	5	35	3	15	20	33	25	21	76	2.55	+ 0.1	14	11,105	sw.	48	w.	22	8	10	13	6.6	11.6	....
Sandusky	629	62	103	29.31	30.02	− .07	26.2	− 0.1	49	29	34	0	14	19	30	24	20	80	2.66	+ 0.6	10	10,509	sw.	52	sw.	22	6	13	12	6.3	11.8	....
Toledo	628	208	243	29.32	30.03	− .06	25.6	0.0	47	29	34	− 2	14	18	31	23	20	80	2.64	+ 0.7	13	11,616	sw.	56	sw.	22	8	9	14	5.9	7.9	T.
Fort Wayne	856	113	124	29.09	30.05	.....	25.6	− 1.3	48	21	34	− 4	26	17	32	23	20	80	1.80	.....	13	8,167	sw.	45	sw.	21	7	11	13	6.0	8.3	....
Detroit	730	218	245	29.18	30.01	− .07	24.0	− 0.3	43	4	31	− 1	14	17	24	21	18	82	2.31	+ 0.3	12	10,030	w.	54	sw.	22	6	9	16	6.2	13.8	0.5
Upper Lake Region.							16.1	− 2.2										83	1.31	− 0.7										6.3		
Alpena	609	13	92	29.26	29.96	−0.08	17.2	− 1.5	45	29	25	−11	27	10	33	16	13	86	1.13	− 1.1	12	9,615	w.	43	e.	21	4	13	14	6.7	18.7	6.4
Escanaba	612	54	60	29.28	29.98	− .07	11.6	− 2.9	38	29	20	−16	23	3	27	10	7	84	0.99	− 0.6	9	6,588	nw.	38	ne.	21	13	9	9	4.5	19.1	10.0
Grand Haven	632	54	92	29.28	30.00	− .07	23.4	− 1.1	42	28	29	2	11	18	23	21	16	75	1.35	− 1.4	15	10,792	w.	47	sw.	21	5	7	19	7.3	12.6	2.2
Grand Rapids	707	70	87	29.20	30.01	− .05	22.8	− 1.0	42	21	29	− 2	11	16	23	21	17	80	1.40	− 1.4	14	5,667	w.	27	w.	18	2	15	14	7.1	16.1	2.5
Houghton	684	62	99	29.21	29.97	− .08	11.6	− 2.9	37	9	19	−24	27	4	39	....	....	....	1.18	− 0.9	16	8,826	w.	46	w.	7	4	7	20	7.6	14.0	16.0
Lansing	878	11	62	29.02	30.00	.....	21.0	− 1.0	43	8	29	−10	11	13	30	18	16	86	1.55	− 0.5	11	5,699	sw.	30	sw.	21	2	12	17	7.1	13.0	3.2
Ludington	637	60	66	29.26	29.98	.....	20.8	.....	43	28	27	− 1	11	15	28	20	17	86	1.61	.....	17	9,827	w.	40	sw.	23	3	10	18	7.4	19.8	7.8
Marquette	734	77	111	29.15	29.99	− .05	12.6	− 3.3	36	29	20	− 9	14	5	26	11	8	86	1.20	− 0.8	13	8,482	w.	41	sw.	16	8	8	15	6.6	13.1	15.5
Port Huron	638	70	120	29.27	29.99	− .07	21.0	− 0.8	42	8	28	− 6	12	14	26	19	17	87	1.32	− 0.6	11	9,206	sw.	46	w.	22	8	9	14	6.3	14.1	3.7
Saginaw	641	48	82	29.27	29.99	.....	19.8	.....	42	29	28	− 8	11	12	31	19	17	92	1.01	− 1.2	9	8,261	w.	36	sw.	22	6	5	20	7.4	9.5	3.2
Sault Ste. Marie	614	11	61	29.23	29.97	− .06	10.6	− 2.7	35	29	18	−22	27	3	37	9	6	83	1.42	− 0.8	18	7,548	e.	48	w.	5	4	3	24	8.1	16.0	14.0
Chicago	823	140	310	29.12	30.04	− .06	24.2	+ 0.5	47	29	32	− 4	14	17	27	22	18	75	1.55	− 0.4	7	10,483	sw.	49	sw.	21	18	5	8	4.1	9.9	T.
Green Bay	617	109	144	29.30	30.00	− .06	11.2	− 3.4	41	29	20	−17	15	2	30	10	5	77	1.96	+ 0.3	6	9,309	sw.	56	n.	21	12	9	10	5.6	23.0	16.0
Milwaukee	681	119	133	29.24	30.01	− .07	18.7	− 1.1	43	28	27	−10	26	10	32	16	14	84	1.42	− 0.6	8	9,321	sw.	53	e.	21	15	8	8	4.3	14.5	3.2
Duluth	1,133	11	47	28.72	30.02	− .07	3.1	− 7.3	38	8	13	−24	15	−7	30	1	− 1	86	0.80	− 0.2	4	9,918	sw.	46	nw.	21	13	9	9	4.7	9.1	7.5
North Dakota.							1.9	− 2.0										86	0.58	0.0										5.6		
Moorhead	940	8	57	29.01	30.11	−0.03	−0.8	− 3.5	40	8	10	−32	15	−11	36	− 2	− 5	81	0.65	− 0.1	7	6,807	nw.	29	n.	21	14	9	8	4.2	6.5	10.5
Bismarck	1,674	8	57	28.20	30.10	− .03	6.3	− 0.4	43	9	17	−28	31	−4	43	6	4	91	0.65	+ 0.1	9	8,014	nw.	47	nw.	11	11	7	13	5.7	11.6	15.5
Devils Lake	1,482	11	44	28.36	30.05	− .07	−3.0	− 2.7	39	8	7	−40	14	−13	38	− 4	− 6	89	0.55	0.0	8	8,802	nw.	35	n.	21	8	5	18	6.8	8.0	8.9
Grand Forks	835	12	89	.....	.....	.....	−5.0	.....	40	8	6	−36	14	−16	41	− 6	.....	....	0.68	.....	10	.....	nw.	37	nw.	5	19	7	5	....	6.8	12.1
Williston	1,872	41	48	27.95	30.05	− .06	5.2	− 1.3	40	9	16	−36	31	−6	42	4	1	85	0.47	− 0.1	9	6,681	w.	51	nw.	9	8	13	10	5.8	4.2	3.5
Upper Mississippi Valley.							21.7	− 0.9										79	1.46	− 0.2										5.3		
Minneapolis	918	10	208	29.00	30.04	.....	7.0	.....	42	8	16	−25	15	−2	31	....	....	....	1.57	+ 0.9	7	8,547	w.	44	n.	21	10	12	9	5.1	28.8	18.0
St. Paul	837	201	236	29.09	30.05	−0.06	6.8	− 4.8	42	28	16	−23	15	−2	34	....	....	....	1.79	+ 0.9	9	8,629	nw.	40	ne.	21	8	15	8	5.0	27.9	18.5
La Crosse	714	11	48	29.22	30.04	− .07	10.8	− 4.4	45	6	21	−22	15	1	37	....	....	....	1.58	+ 0.5	9	3,995	s.	20	sw.	17	13	5	13	5.2	22.5	16.4
Madison	974	70	78	28.94	30.05	− .05	13.8	− 2.7	43	28	23	−16	15	5	33	12	8	79	1.04	− 0.5	6	7,551	w.	38	n.	31	10	12	9	5.1	11.5	4.0
Wausau	1,247	4	....	28.60	30.01	.....	7.3	.....	36	29	17	−23	26	−3	33	....	....	....	2.50	.....	8	.....	nw.	....	.....	....	12	11	8	4.9	26.5	21.0
Charles City	1,015	10	49	28.92	30.06	− .08	11.0	− 0.4	42	28	21	−16	26	1	40	9	7	89	1.02	0.0	7	5,609	nw.	25	e.	21	12	13	6	4.5	14.4	8.0
Davenport	606	71	79	29.37	30.07	− .05	20.4	− 0.4	53	28	29	− 9	26	12	37	19	15	80	0.97	− 0.6	6	6,290	nw.	37	w.	21	10	13	8	5.0	8.0	T.
Des Moines	861	84	97	29.11	30.06	− .08	20.0	− 0.4	50	28	30	−10	31	10	41	18	14	75	0.53	− 0.7	6	6,232	nw.	35	sw.	21	13	7	11	4.8	4.2	0.2
Dubuque	698	81	96	29.29	30.08	− .04	16.6	− 1.7	48	28	26	−14	26	7	39	14	11	81	0.85	− 0.6	8	5,064	nw.	30	sw.	21	13	10	8	4.8	8.4	2.2
Keokuk	614	64	78	29.37	30.08	− .06	26.0	− 2.3	60	28	36	0	16	16	43	23	18	74	0.56	− 1.1	5	6,407	sw.	40	w.	21	13	13	5	4.0	0.1	....
Cairo	356	87	93	29.69	30.08	− .08	39.2	− 4.4	70	31	48	9	14	31	43	36	31	76	4.32	+ 0.5	13	7,419	n.	40	s.	4	6	11	14	6.5	6.9	....
Peoria	609	11	45	29.38	30.07	− .05	24.4	+ 1.3	58	21	34	− 5	14	15	38	22	20	88	1.86	− 0.3	7	6,275	nw.	39	w.	21	18	5	8	4.5	4.1	T.
Springfield, Ill	644	10	91	29.36	30.06	− .07	29.0	+ 2.7	60	21	38	6	11	20	39	26	21	76	1.69	− 0.6	6	7,243	nw.	32	w.	21	13	6	12	5.2	0.6	T.
Hannibal	534	74	109	29.47	30.07	− .06	28.7	+ 2.0	62	28	39	4	16	18	44	....	....	....	0.88	− 1.3	8	7,498	sw.	43	sw.	21	14	11	6	4.4	0.8	....
St. Louis	567	265	303	29.44	30.06	− .08	34.8	+ 3.8	65	21	44	11	14	26	50	31	26	74	1.72	− 0.6	8	10,478	nw.	46	w.	21	9	13	9	5.3	2.5	T.
Missouri Valley.							24.1	+ 3.0										77	0.95	0.0										4.4		
Columbia, Mo.	781	11	84	29.20	30.07	−0.06	31.0	+ 3.8	66	28	41	3	31	20	44	....	....	....	1.05	− 1.2	8	7,004	sw.	39	w.	21	11	12	8	5.3	2.3	T.
Kansas City	963	161	181	29.01	30.08	− .07	31.0	+ 4.8	65	28	41	− 3	31	21	45	27	20	67	0.62	− 0.5	5	9,223	sw.	51	nw.	10	18	6	7	4.0	2.8	T.
St. Joseph	967	11	49	29.00	30.08	.....	28.4	.....	63	28	38	− 8	31	18	45	24	19	72	0.38	.....	5	7,202	nw.	46	w.	21	13	12	6	4.3	0.8	T.
Springfield, Mo.	1,324	98	104	28.64	30.08	− .06	36.0	+ 4.7	65	29	46	5	31	26	56	32	27	72	1.46	− 1.2	7	8,750	s.	46	w.	21	12	8	11	4.7	2.2	....
Iola	984	11	50	28.99	30.08	− .06	33.7	+ 6.1	69	29	46	0	31	22	51	....	....	....	0.48	− 0.5	4	5,619	sw.	32	sw.	10	17	9	5	3.6	2.5	....
Topeka	987	85	101	.....	.....	.....	31.2	+ 5.6	67	28	42	− 8	31	21	45	....	....	....	0.31	− 0.6	3	8,032	nw.	44	nw.	10	15	9	7	4.3	1.2	....
Drexel	1,299	10	53	28.63	30.08	.....	19.8	.....	52	9	29	−17	31	10	34	18	15	85	0.49	.....	4	9,304	sw.	37	nw.	10	12	9	10	4.7	3.0	T.
Lincoln	1,189	11	84	28.76	30.08	− .07	24.2	+ 3.0	57	9	34	−14	31	14	36	21	16	72	0.41	− 0.2	4	8,146	ne.	50	nw.	10	14	11	6	4.3	0.6	....
Omaha	1,105	115	122	28.85	30.09	− .06	22.6	+ 2.1	53	9	31	−15	31	14	35	20	15	74	0.58	− 0.1	5	5,878	nw.	39	nw.	10	18	9	4	3.4	2.7	0.1
Valentine	2,598	47	54	27.24	30.08	− .04	19.6	+ 1.4	52	11	32	−24	31	8	43	17	13	81	0.51	0.0	5	7,607	w.	37	nw.	9	14	11	6	4.2	5.4	1.2
Sioux City	1,135	94	164	28.81	30.09	− .06	16.6	+ 1.0	55	9	26	−22	31	7	33	15	12	82	1.24	+ 0.7	8	9,608	nw.	60	nw.	10	16	7	8	4.1	13.5	6.0
Huron	1,306	59	74	28.63	30.11	− .05	10.4	+ 0.9	45	9	21	−25	31	0	36	8	5	84	2.21	+ 1.7	7	8,546	nw.	44	n.	21	10	10	11	5.2	25.5	17.0
Pierre	1,572	70	75	28.36	30.11	− .02	14.8	+ 0.9	52	9	26	−23	31	4	34	12	8	79	0.84	+ 0.4	8	7,216	nw.	48	nw.	10	12	7	12	5.2	14.1	7.3
Yankton	1,233	49	57	28.69	30.08	− .08	17.8	+ 2.3	50	9	28	−23	31	7	34	....	....	....	1.64	+ 1.1	7	6,785	nw.	38	nw.	9	11	14	6	4.7	18.2	9.0

TABLE I.—*Climatological data for Weather Bureau stations, January, 1917*—Continued.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.												Precipitation.			Wind.										
	Barometer above sea level.	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.	Total.	Departure from normal.	Days with 0.01 inch or more.	Total movement.	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.
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F		°F	°F.		°F	°F.	°F.	°F.	%	In.	In.		Miles.								0–10	In.	In.
Northern Slope.							17.4	− 1.7										71	0.76	−0.10										5.6		
Billings	3,140	5	....	.....	.....	.....	20.4	.....	48	11	31	−33	31	10	39	....	....	....	0.35	.....	....	.....	sw.	....	.....	....	10	15	6	....	....	....
Havre	2,505	11	44	27.29	30.06	−0.04	11.2	− 2.3	45	9	22	−37	31	0	51	10	7	85	0.97	+ 0.3	13	6,817	sw.	40	w.	9	6	12	13	6.2	9.1	7.3
Helena	4,110	87	114	25.74	30.10	− .05	19.6	− 0.4	49	5	28	−25	31	12	42	16	11	69	0.92	0.0	16	6,995	sw.	46	n.	11	2	9	20	7.5	11.1	3.4
Kalispell	2,962	11	34	26.92	30.11	− .01	20.1	+ 0.5	45	5	28	−20	31	13	30	18	14	77	1.05	− 0.5	16	3,309	w.	27	sw.	28	3	10	18	7.5	10.3	9.0
Miles City	2,371	26	48	27.44	30.12	.00	14.6	+ 0.1	48	9	25	−35	31	4	36	11	8	79	0.81	+ 0.2	10	4,955	se.	36	nw.	11	9	16	6	5.0	7.3	9.3
Rapid City	3,259	50	58	26.53	30.10	.00	21.2	− 0.3	56	11	33	−22	31	9	43	17	9	58	0.65	+ 0.2	6	6,546	w.	46	sw.	28	13	8	10	4.5	7.0	1.1
Cheyenne	6,088	84	101	23.86	30.04	− .01	21.8	− 3.8	50	11	32	−12	22	12	45	17	8	57	0.30	− 0.1	7	16,096	w.	78	w.	8	18	6	7	3.5	4.1	....
Lander	5,372	60	68	24.55	30.16	.....	13.5	− 3.9	49	11	28	−34	22	−1	44	9	1	61	0.74	+ 0.3	6	3,437	w.	48	sw.	28	13	12	6	4.7	8.0	4.6
Sheridan	3,790	10	47	26.03	30.10	.....	18.2	.....	53	9	32	−29	31	5	49	14	10	78	0.84	.....	9	4,430	nw.	44	w.	9	10	5	16	6.5	11.7	7.3
Yellowstone Park	6,200	11	48	23.78	30.19	+ .05	11.4	− 6.2	30	28	19	−22	16	4	33	10	6	75	0.69	− 1.6	12	7,636	s.	42	sw.	27	7	7	17	6.6	7.3	22.4
North Platte	2,821	11	51	27.06	30.12	.00	22.8	+ 1.4	58	9	36	−21	22	9	40	17	13	74	0.74	+ 0.3	5	5,022	w.	36	nw.	30	14	10	7	3.8	6.2	0.6
Middle Slope.							31.9	+ 2.8										65	0.34	− 0.4										4.0		
Denver	5,292	106	113	24.63	30.04	−0.01	28.4	− 0.7	59	11	40	−10	22	17	44	22	12	55	0.20	− 0.2	6	5,707	se.	43	sw.	9	13	13	5	4.5	4.9	0.4
Pueblo	4,685	80	86	25.21	30.02	− .03	30.1	+ 1.0	66	11	45	−11	17	15	54	23	11	51	0.22	− 0.1	3	6,461	nw.	39	nw.	9	20	8	3	2.6	5.0	0.6
Concordia	1,392	50	58	28.56	30.09	− .05	28.8	+ 4.4	59	29	40	− 9	31	18	42	25	21	78	0.60	− 0.1	4	6,096	nw.	38	nw.	10	12	11	8	4.6	2.0	T.
Dodge City	2,509	11	51	27.39	30.08	− .03	31.3	+ 4.0	68	9	44	0	22	18	45	24	19	69	0.22	− 0.3	3	7,117	n.	40	n.	12	17	6	8	3.7	2.7	....
Wichita	1,358	139	158	28.59	30.06	− .07	33.8	+ 4.1	68	29	44	− 1	31	24	52	29	22	68	0.41	− 0.4	5	9,883	s.	48	nw.	10	16	11	4	3.9	3.7	....
Altus	1,410	5	....	.....	.....	.....	41.6	.....	79	30	56	10	14	28	44	....	....	....	0.30	.....	2	.....	.....	....	.....	....	23	1	7	....	3.0	....
Muskogee	652	4	....	.....	.....	.....	37.8	.....	68	29	48	12	14	28	36	....	....	....	0.24	.....	2	.....	s.	....	.....	....	17	4	10	....	0.9	....
Oklahoma	1,214	10	47	28.77	30.09	− .02	39.0	+ 4.3	74	30	51	10	31	27	51	32	26	67	0.37	− 1.0	5	10,271	s.	54	w.	21	14	10	7	4.5	2.0	....
Southern Slope.							43.8	+ 2.3										58	0.42	− 0.3										4.8		
Abilene	1,738	10	52	28.25	30.09	0.00	46.0	+ 3.4	81	30	58	17	15	34	51	37	26	54	0.71	− 0.2	4	8,500	sw.	39	w.	28	11	5	15	5.8	5.8	....
Amarillo	3,676	10	49	26.25	30.06	.00	36.6	+ 2.7	72	30	48	5	22	25	39	29	22	65	0.69	+ 0.1	6	8,968	sw.	40	sw.	21	22	6	3	3.8	6.8	....
Del Rio	944	64	71	29.08	30.08	+ .02	53.6	+ 3.4	84	31	64	26	15	44	38	....	....	....	0.09	− 0.7	3	5,856	e.	32	nw.	4	8	14	9	5.6	0.0	....
Roswell	3,566	75	85	26.38	30.07	+ .03	39.0	− 0.2	73	30	52	17	14	26	48	31	20	54	0.19	− 0.3	3	5,517	nw.	37	nw.	9	17	7	7	3.9	2.3	....
Southern Plateau.							37.9	− 2.8										69	0.84	+ 0.1										4.1		
El Paso	3,762	110	133	26.22	30.04	+0.03	44.8	+ 0.7	68	30	55	25	25	34	35	37	27	54	0.32	− 0.2	4	7,783	w.	40	w.	20	14	7	10	4.7	0.5	....
Santa Fe	7,013	57	66	23.17	30.06	+ .02	28.0	− 0.5	48	30	38	6	23	18	29	23	17	65	0.55	0.0	6	7,041	n.	38	sw.	20	13	11	7	4.6	3.4	....
Flagstaff	6,908	8	57	23.30	30.08	+ .03	21.5	− 5.2	53	11	35	−15	22	8	53	19	....	....	2.97	.....	10	.....	w.	36	se.	24	14	7	10	....	31.1	15.0
Phoenix	1,108	76	81	28.89	30.08	+ .05	49.0	− 1.0	70	8	60	30	23	38	34	43	37	72	2.20	+ 1.0	9	3,145	w.	24	w.	20	18	2	11	4.2	0.0	....
Yuma	141	9	54	29.94	30.09	+ .04	51.0	− 3.7	71	27	61	35	25	41	31	43	34	58	1.02	+ 0.6	4	4,318	n.	21	n.	10	16	8	7	3.5	0.0	....
Independence	3,910	11	42	26.04	30.16	+ .09	33.1	− 7.4	72	30	54	− 1	23	12	57	25	24	94	0.11	− 0.8	2	.....	w.	....	.....	....	17	9	5	3.5	6.0	....
Middle Plateau.							16.7	−11.7										78	0.69	− 0.4										4.4		
Reno	4,532	74	81	25.57	30.30	+0.17	22.8	− 9.7	51	27	34	− 5	17	12	35	20	15	74	0.05	− 1.9	3	3,591	se.	43	w.	29	14	11	6	4.1	0.3	T.
Tonopah	6,090	12	20	24.09	30.28	.....	20.6	.....	43	29	28	− 7	16	14	25	18	15	78	0.50	− 0.2	4	5,831	w.	38	nw.	20	18	8	5	3.3	6.3	T.
Winnemucca	4,344	18	56	25.74	30.37	+ .21	11.8	−17.0	43	29	27	−22	17	−3	44	10	5	75	0.90	− 0.1	7	4,854	ne.	35	sw.	28	16	7	8	4.3	10.8	3.4
Modena	5,479	10	43	24.64	30.24	+ .14	13.6	−13.9	43	11	28	−18	17	−1	44	12	9	82	1.06	+ 0.3	4	5,816	w.	49	nw.	20	17	10	4	3.2	10.6	6.5
Salt Lake City	4,360	147	189	25.69	30.22	+ .07	21.2	− 7.6	45	29	29	2	18	14	30	19	14	73	0.91	− 0.4	8	4,692	se.	42	nw.	30	6	14	11	6.1	15.8	7.3
Grand Junction	4,602	82	96	25.46	30.21	+ .15	14.2	−10.5	37	10	26	−14	27	3	35	12	10	86	0.73	+ 0.2	13	3,065	nw.	24	nw.	30	12	11	8	5.1	14.0	4.8
Northern Plateau.							25.0	− 3.8										78	1.06	− 0.6										6.8		
Baker	3,471	48	53	26.54	30.27	+0.11	18.2	− 5.7	43	27	27	−13	16	10	31	16	13	80	1.35	0.0	13	4,609	se.	29	sw.	27	12	5	14	5.3	13.5	7.3
Boise	2,739	78	86	27.33	30.31	+ .12	23.2	− 6.1	45	5	30	− 4	17	16	24	21	17	76	1.10	− 0.8	12	3,040	nw.	22	w.	30	7	4	20	7.0	8.6	T.
Lewiston	757	40	48	29.35	30.19	+ .03	31.6	− 2.9	56	25	38	8	16	25	23	....	....	....	1.09	− 0.5	13	3,248	e.	27	sw.	27	3	11	17	7.3	5.5	0.1
Pocatello	4,477	60	68	25.52	30.25	+ .05	16.8	− 8.3	43	28	26	−13	18	8	36	16	12	80	0.82	+ 0.2	13	8,077	se.	42	sw.	30	4	14	13	6.6	12.3	9.0
Spokane	1,929	101	110	28.03	30.16	+ .04	26.3	− 0.4	44	5	32	− 4	31	21	20	25	21	78	0.98	− 1.3	7	5,251	sw.	33	w.	29	6	6	19	7.0	8.3	0.4
Walla Walla	991	57	65	29.09	30.20	+ .05	34.0	+ 0.8	57	5	40	9	31	28	32	31	27	75	1.05	− 1.0	15	4,757	sw.	32	sw.	27	3	9	19	7.6	4.6	0.2
North Pacific Coast Region.							38.8	− 1.2										86	4.00	− 2.7										7.7		
North Head	211	11	56	29.96	30.19	+0.12	40.0	− 1.8	49	12	43	25	29	37	15	39	38	92	5.01	− 1.7	23	12,624	s.	66	s.	1	4	1	26	8.3	0.8	0.1
North Yakima	1,071	4	....	.....	.....	.....	26.6	.....	57	25	37	2	16	16	34	....	....	....	0.23	.....	2	.....	nw.	....	.....	....	11	10	10	....	3.8	T.
Port Angeles	42	8	48	30.12	30.15	.....	36.6	.....	50	25	42	10	31	31	22	....	....	....	2.98	− 2.5	20	4,099	se.	32	sw.	29	4	4	23	8.0	13.6	13.2
Seattle	125	215	250	30.05	30.19	+ .14	38.0	− 1.3	52	4	42	13	31	34	18	37	34	86	2.02	− 2.5	18	8,132	s.	43	s.	4	4	5	22	7.7	6.3	5.0
Tacoma	213	113	120	29.95	30.19	+ .15	37.6	− 0.5	53	4	42	14	31	33	18	37	35	89	3.39	− 2.4	15	5,453	sw.	28	sw.	25	2	9	20	8.0	11.0	6.5
Tatoosh Island	109	7	57	30.03	30.13	+ .15	39.6	− 1.6	47	4	42	20	30	37	10	39	37	91	9.81	− 2.4	22	12,126	s.	64	w.	29	5	3	23	7.9	13.8	7.7
Medford	1,425	4	....	.....	.....	.....	33.8	.....	53	25	42	13	17	26	32	....	....	....	1.94	.....	8	.....	nw.	....	.....	....	8	3	20	....	1.9	....
Portland, Oreg.	153	68	106	30.06	30.22	+ .14	39.6	+ 0.5	55	25	44	22	31	35	15	37	33	75	2.54	− 4.0	13	4,818	sw.	29	sw.	27	5	5	21	7.4	4.5	T.
Roseburg	510	9	57	29.70	30.27	+ .17	38.0	− 2.8	55	4	44	16	17	32	26	36	33	83	2.25	− 3.4	15	1,779	s.	21	sw.	28	4	15	12	6.3	0.3	....
Middle Pacific Coast Region.							44.1	− 3.2										68	2.50	− 2.2										3.6		
Eureka	62	73	89	30.16	30.23	+0.13	42.6	− 4.3	59	10	49	27	16	36	23	41	39	85	5.53	− 2.1	12	4,692	se.	34	n.	20	13	9	9	4.7	0.0	....
Mount Tamalpais	2,375	11	18	27.64	30.16	+ .05	41.6	− 4.3	58	11	47	21	16	36	17	35	25	56	2.43	− 3.5	9	15,596	n.	84	nw.	21	20	3	8	3.2	0.0	....
Point Reyes Light	490	7	18	29.60	30.12	.....	46.6	− 2.8	66	10	51	32	16	42	17	....	....	....	1.81	.....	7	12,864	nw.	78	nw.	21	16	6	9	4.3	0.0	....
Red Bluff	332	50	56	29.82	30.19	+ .07	43.8	− 1.6	68	24	54	24	12	34	36	37	26	55	2.94	− 1.0	5	5,271	nw.	31	nw.	14	23	2	6	2.4	0.0	....
Sacramento	69	106	117	30.11	30.18	+ .06	42.4	− 3.2	62	26	51	26	18	34	27	39	34	74	1.30	− 2.4	4	6,160	se.	28	nw.	20	17	4	10	4.2	0.0	....
San Francisco	155	209	213	30.00	30.17	+ .06	47.6	− 1.0	63	25	54	34	16	41	23	42	36	70	1.83	− 2.5	8	4,804	ne.	33	ne.	15	21	0	10	3.0	0.0	....
San Jose	141	12	110	30.01	30.16	.....	44.0	− 4.3	63	24	55	22	18	33	33	....	....	....	0.98	− 1.9	7	3,936	nw.	27	nw.	21	19	4	8	3.6	0.0	....
South Pacific Coast Region.							48.5	− 2.4										74	3.00	− 0.3										3.0		
Fresno	327	89	98	29.81	30.18	+0.08	42.8	− 2.6	65	27	51	25	17	35	28	40	35	75	1.40	− 0.2	4	3,458	nw.	24	nw.	3	12	9	10	5.0	T.	....
Los Angeles	338	159	191	29.74	30.11	+ .03	51.2	− 1.9	76	10	59	38	27	44	26	45	40	71	2.68	− 0.2	9	4,353	ne.	24	ne.	19	11	8	12	5.5	0.0	....
San Diego	87	62	70	30.00	30.10	+ .03	51.6	− 2.6	77	10	58	40	24	45	26	48	44	80	4.32	+ 2.3	11	3,853	e.	33	s.	3	10	10	11	5.3	0.0	....
San Luis Obispo	201	32	40	29.93	30.16	+ .07	48.5	− 2.5	74	10	58	30	1	38	35	44	39	71	1.59	− 3.1	7	2,803	n.	20	ne.	17	16	5	10	4.1	0.0	....
West Indies.																																
San Juan, P. R.	82	8	54	29.99	30.08	+0.06	73.4	.....	82	26	78	63	9	68	16	....	....	....	2.52	− 2.1	19	11,639	ne.	48	ne.	14	14	12	5	4.3	0.0	....
Panama Canal.																																
Balboa Heights	118	7	97	29.78	29.90	.....	78.3	.....	89	24	87	66	12	70	21	71	69	86	0.13	− 0.9	3	7,021	n.	30	n.	22	15	15	1	3.8	0.0	....
Colon	25	5	71	29.88	29.92	.....	78.8	.....	85	7	82	70	11	75	12	74	72	82	1.10	− 2.8	12	12,551	nw.	34	nw.	8	14	16	1	4.0	0.0	....

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, 1917, 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	14			0.54														0.08			
Albany, N. Y	5			0.32														0.09			
Alpena, Mich	21-22			0.56														*			
Amarillo, Tex	14-15			0.44														*			
Anniston, Ala	21			0.88														0.75			
Asheville, N. C	5			0.44														0.29			
Atlanta, Ga	20-21	10:20 p. m.	5:05 a. m.	0.73	11:43 p. m.	11:58 p. m.	0.03	0.18	0.30	0.37											
Atlantic City, N. J	5			0.42														0.27			
Augusta, Ga	24			1.89														0.51			
Baker, Oreg	27-28			0.54														*			
Baltimore, Md	3			0.59														0.29			
Bentonville, Ark	4			0.64														0.30			
Binghamton, N. Y	3			0.26														0.13			
Birmingham, Ala	21-22	8:40 p. m.	D. N. a. m.	1.51	9:01 p. m.	9:38 p. m.	0.02	0.09	0.23	0.50	0.66	0.76	0.87	0.98	1.02						
Bismarck, N. Dak	20-21			0.20														*			
Block Island, R. I	5			0.77														0.25			
Boise, Idaho	2-3			0.38														*			
Boston, Mass	14			0.52														0.23			
Buffalo, N. Y	5			0.92														*			
Burlington, Vt	13-14			0.69														*			
Cairo, Ill	3-4	10:15 p. m.	10:25 a. m.	1.45	2:00 a. m.	2:26 a. m.	0.29	0.15	0.26	0.43	0.50	0.60	0.63								
Canton, N. Y	13-14			1.05														*			
Charles City, Iowa	21			0.55														*			
Charleston, S. C	25			0.92														0.28			
Charlotte, N. C	14			0.48														0.24			
Chattanooga, Tenn	21			1.23														0.67			
Cheyenne, Wyo	14			0.12														*			
Chicago, Ill	21			0.57														*			
Cincinnati, Ohio	5			1.19														0.41			
Cleveland, Ohio	5			0.94														*			
Columbia, Mo	4-5			0.35														*			
Columbia, S. C	24			1.54														0.36			
Columbus, Ohio	5			1.01														0.24			
Concord, N. H	5			1.31														*			
Concordia, Kans	20-21			0.40														*			
Corpus Christi, Tex	27			0.13														0.12			
Dallas, Tex	14			0.69														*			
Davenport, Iowa	21			0.59														*			
Dayton, Ohio	4-5			1.80														*			
Del Rio, Tex	14			0.02														0.02			
Denver, Colo	20-21			0.11														*			
Des Moines, Iowa	20-21			0.47														*			
Detroit, Mich	5			0.77														*			
Devils Lake, N. Dak	9			0.21														*			
Dodge City, Kans	14-15			0.16														*			
Dubuque, Iowa	21			0.41														*			
Duluth, Minn	19			0.40														*			
Eastport, Me	5-6			0.87														0.19			
Elkins, W. Va	3			0.78														0.35			
El Paso, Tex	20			0.09														0.04			
Erie, Pa	31			0.46														*			
Escanaba, Mich	21			0.55														*			
Eureka, Cal	29			1.10														0.30			
Evansville, Ind	4			1.64														0.41			
Flagstaff, Ariz	19-20			1.04														*			
Fort Smith, Ark	4			0.24														0.21			
Fort Wayne, Ind	4-5			0.80														*			
Fort Worth, Tex	4			0.58														0.56			
Fresno, Cal	2			0.85														0.14			
Galveston, Tex	27	6:50 a. m.	4:55 p. m.	1.79	10:25 a. m.	10:19 a. m.	0.06	0.10	0.24	0.44	0.50	0.57									
Grand Haven, Mich	21			0.50														*			
Grand Junction, Colo	20-21			0.17														*			
Grand Rapids, Mich	21			0.34														*			
Green Bay, Wis	21			0.84														*			
Hannibal, Mo	20-21			0.54														*			
Harrisburg, Pa	14			0.50														0.18			
Hatteras, N. C	29			1.28														0.61			
Havre, Mont	19			0.20														*			
Helena, Mont	11-12			0.28														*			
Houghton, Mich	13-14			0.41														*			
Houston, Tex	13			0.49														0.38			
Huron, S. Dak	20-21			1.45														*			
Independence, Cal	18			0.10														*			
Indianapolis, Ind	4-5			2.01														0.39			
Iola, Kans	20-21			0.23														*			
Jacksonville, Fla	5			0.29														0.28			
Kalispell, Mont	22-23			0.22														*			
Kansas City, Mo	20-21			0.35														*			
Keokuk, Iowa	21-22			0.50														*			
Key West, Fla	26			0.10														0.10			
Knoxville, Tenn	21			1.46														0.63			
La Crosse, Wis	21-22			0.80														*			
Lander, Wyo	20-21			0.38														*			
Lansing, Mich	5			0.60														*			
Lewiston, Idaho	27			0.24														0.10			
Lexington, Ky	21			1.61														0.34			
Lincoln, Nebr	20-21			0.37														*			
Little Rock, Ark	2-3			0.42														0.32			
Los Angeles, Cal	18			0.74														0.18			
Louisville, Ky	3			1.12														0.68			
Ludington, Mich	21-22			0.57														*			
Lynchburg, Va	14			0.57														0.31			
Macon, Ga	24			2.40														0.59			
Madison, Wis	21			0.46														*			
Marquette, Mich	21-22			0.75														*			
Memphis, Tenn	20-21	8:45 p. m.	4:15 p. m.	1.16	1:25 p. m.	1:45 p. m.	0.11	0.21	0.32	0.35	0.43										
Meridian, Miss	21			1.03														0.48			

* Self-register not in use.

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, 1917, 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	14			0.04														0.04			
Milwaukee, Wis	21			0.67														*			
Minneapolis, Minn	21			0.81														*			
Mobile, Ala	22			1.40														0.52			
Modena, Utah	19-20			0.72														*			
Montgomery, Ala	24			1.37														0.49			
Moorhead, Minn	11-12			0.22														*			
Mount Tamalpais, Cal	5			0.53														0.16			
Nantucket, Mass	14			0.24														0.19			
Nashville, Tenn	4-5	8:55 p.m.	6:25 a.m.	1.61	1:09 a.m.	1:58 a.m.	0.29	0.13	0.26	0.37	0.48	0.59	0.70	0.77	0.85	0.93	0.97				
	21	1:25 p.m.	8:00 p.m.	1.57	5:01 p.m.	5:45 p.m.	0.29	0.43	0.62	0.66	0.70	0.76	0.84	0.89	0.95	1.00					
New Haven, Conn	5			1.10														*			
New Orleans, La	28	3:20 p.m.	5:15 p.m.	1.00	3:25 p.m.	4:10 p.m.	0.01	0.21	0.35	0.41	0.46	0.50	0.59	0.67	0.81	0.90					
New York, N. Y	21-22			0.94														0.16			
Norfolk, Va	14			0.37														0.30			
Northfield, Vt	13-14			1.19														*			
North Head, Wash	5			0.28														0.21			
North Platte, Nebr	20-21			0.56														*			
Oklahoma, Okla	16-17			0.18														*			
Omaha, Nebr	20-21			0.46														*			
Oswego, N. Y	13-14			0.79														*			
Palestine, Tex	21	1:20 a.m.	2:40 p.m.	0.68	12:18 p.m.	12:37 p.m.	0.13	0.24	0.39	0.46	0.51										
Parkersburg, W. Va	21			1.80														0.46			
Pensacola, Fla	23-24	6:25 p.m.	9:40 a.m.	2.74	6:21 a.m.	7:24 a.m.	1.27	0.22	0.32	0.45	0.60	0.70	0.81	0.88	0.94	0.96	0.98	1.15	1.22		
Peoria, Ill	4-5			0.78														*			
Philadelphia, Pa	21			0.63														*			
Phoenix, Ariz	19			0.83														0.25			
Pierre, S. Dak	30-31			0.36														*			
Pittsburgh, Pa	21			1.64														0.29			
Pocatello, Idaho	28			0.20														*			
Point Reyes Light, Cal	5			0.39														0.15			
Port Huron, Mich	5			0.48														*			
Portland, Me	5			1.15														0.23			
Portland, Oreg	27			0.67														0.12			
Providence, R. I	5-6			0.92														*			
Pueblo, Colo	15			0.12														*			
Raleigh, N. C	29			1.30														0.32			
Rapid City, S. Dak	20-21			0.53														*			
Reading, Pa	21-22			1.33														0.30			
Red Bluff, Cal	5			1.31														0.21			
Reno, Nev	30			0.03														*			
Richmond, Va	13-14			0.62														*			
Rochester, N. Y	21-22			0.61														*			
Roseburg, Oreg	27			0.53														0.16			
Roswell, N. Mex	14			0.15														*			
Sacramento, Cal	2			1.13														0.12			
Saginaw, Mich	21-22			0.38														*			
St. Joseph, Mo	20			0.19														0.11			
St. Louis, Mo	4-5			0.93														*			
St. Paul, Minn	21			1.05														*			
Salt Lake City, Utah	19-20			0.38														*			
San Antonio, Tex	21-22			0.53														*			
San Diego, Cal	13			0.62														0.26			
Sand Key, Fla	26			0.02														0.02			
Sandusky, Ohio	5			1.31														*			
Sandy Hook, N. J	23			0.46														0.26			
San Francisco, Cal	5			0.32														0.19			
San Jose, Cal	2			0.68														0.10			
San Luis Obispo, Cal	3			0.48														0.09			
Santa Fe, N. Mex	20			0.39														*			
Sault Ste. Marie, Mich	21-22			0.32														*			
Savannah, Ga	14			1.08														0.45			
Scranton, Pa	21-22			0.60														*			
Seattle, Wash	5			0.16														0.08			
Sheridan, Wyo	28-29			0.58														*			
Shreveport, La	4	6:40 p.m.	9:50 p.m.	0.87	7:32 p.m.	7:55 p.m.	0.04	0.14	0.35	0.43	0.54	0.61									
Sioux City, Iowa	20-21			0.76														*			
Spokane, Wash	1-2			0.45														*			
Springfield, Ill	4-5			1.12														*			
Springfield, Mo	4			0.76														0.33			
Syracuse, N. Y	18-19			0.61														*			
Tacoma, Wash	2			0.34														0.11			
Tampa, Fla	5			0.34														0.34			
Tatoosh Island, Wash	8			0.91														0.25			
Taylor, Tex	16-17			0.15														*			
Terre Haute, Ind	4			1.01														0.30			
Thomasville, Ga	24-25	7:56 p.m.	8:38 a.m.	2.81	8:27 p.m.	9:03 p.m.	0.05	0.08	0.14	0.24	0.43	0.61	0.71	0.76	0.80						
Toledo, Ohio	5			1.50														*			
Tonopah, Nev	21			0.29														*			
Topeka, Kans	20			0.18														0.08			
Trenton, N. J	21-22			1.50														*			
Valentine, Nebr	20-21			0.27														*			
Vicksburg, Miss	21			1.05														0.65			
Walla Walla, Wash	1-2			0.31														*			
Washington, D. C	13-14			0.79														*			
Wichita, Kans	16-17			0.17														*			
Williston, N. Dak	20-21			0.15														*			
Wilmington, N. C	24			1.10														0.41			
Winnemucca, Nev	2-3			0.46														*			
Wytheville, Va	4			1.08														0.30			
Yankton, S. Dak	20-21			1.17														*			
Yellowstone Park, Wyo	27-28			0.25														*			

* Self-register not in use. † Record partly estimated. ‡ No precipitation occurred during month.

TABLE III.—*Data furnished by the Canadian Meteorological Service, January, 1917.*

Stations.	Barometer above M.S.L. Jan. 1, 1916.	Pressure.			Temperature.						Precipitation.		
		Station, reduced to mean of 24 hours.	Sealevel, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.
	Feet.	*Inches.*	*Inches.*	*Inches.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*Inches.*	*Inches.*	*Inches.*
St. Johns, N. F.	125	29.51	29.65	−0.21	21.3	−2.5	26.8	15.9	50	− 3	2.22	−3.69	11.0
Sydney, C. B. I.	48	29.85	29.89	− .04	19.9	−0.6	29.2	10.6	53	−14	4.43	−0.67	22.5
Halifax, N. S.	88	29.81	29.92	− .05	22.4	+0.6	32.4	12.4	51	9	5.87	+0.10	12.6
Yarmouth, N. S.	65	29.84	29.91	− .09	26.5	+0.2	33.3	19.6	47	6	4.88	−0.53	17.5
Charlottetown, P. E. I.	38	29.84	29.88	− .08	15.6	−1.4	23.5	7.7	48	−19	3.67	−0.29	15.1
Chatham, N. B.	28	29.88	29.91	− .06	9.8	0.0	20.3	− 0.6	45	−22	2.92	−0.67	21.3
Father Point, Que.	20	29.89	29.92	− .06	5.6	−2.4	13.9	− 2.8	36	−23	1.20	−1.65	10.5
Quebec, Que.	296	29.60	29.94	− .08	7.8	−1.3	15.9	− 0.4	37	−21	4.88	+0.87	47.0
Montreal, Que.	187	29.73	29.96	− .08	11.7	0.0	19.3	4.1	38	−16	5.14	+1.41	40.2
Stonecliffe, Ont.	489	29.31	29.95	− .07	9.3	+2.9	22.1	− 3.4	36	−32	2.10	−0.22	20.9
Ottawa, Ont.	236	29.69	29.97	− .06	9.9	+0.3	18.7	1.1	34	−20	3.88	+0.89	38.8
Kingston, Ont.	285	29.66	30.00	− .05	17.4	+0.3	25.5	9.4	40	−14	2.93	−0.52	13.9
Toronto, Ont.	379	29.55	29.98	− .07	22.6	+1.2	30.0	15.2	40	− 9	2.97	+0.05	17.9
White River, Ont.	1,244	28.51	29.91	− .10	− 4.8	−4.4	10.2	−19.8	33	−48	0.97	−0.72	9.7
Port Stanley, Ont.	592	29.34	30.01	− .06	21.0	−1.2	28.5	13.5	38	−18	3.17	+0.18	16.8
Southampton, Ont.	656	29.22	.....	.....	20.9	+0.5	27.1	14.7	40	− 4	2.89	−1.16	28.9
Parry Sound, Ont.	688	29.22	29.96	− .05	14.3	+0.5	22.9	5.8	37	−23	4.60	+0.52	46.0
Port Arthur, Ont.	644	29.24	30.00	− .07	2.0	−1.1	12.6	− 8.5	32	−27	0.33	−0.49	3.3
Winnipeg, Man.	760	29.17	30.08	− .03	− 7.9	−1.1	0.3	−16.1	29	−38	1.10	+0.22	11.0
Minnedosa, Man.	1,690	28.08	30.03	− .07	− 8.1	−0.9	1.9	−18.2	37	−38	2.22	+1.42	22.2
Qu'Appelle, Sask.	2,115	27.58	29.98	− .10	− 4.1	−0.3	6.7	−14.9	39	−42	2.15	+1.65	21.5
Medicine Hat, Alberta	2,144	27.61	30.00	− .07	11.0	+5.5	21.8	0.2	48	−46	0.72	+0.15	5.2
Swift Current, Sask.	2,392	27.28	30.01	− .08	4.7	+1.6	16.3	− 6.9	39	−40	1.13	+0.49	11.3
Calgary, Alberta	3,428	26.30	30.01	− .02	13.3	+4.9	24.6	2.1	48	−36	0.34	−0.19	3.4
Banff, Alberta	4,521	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Edmonton, Alberta	2,150	27.59	30.01	− .02	3.8	+2.0	14.1	− 6.5	47	−44	1.89	+1.21	18.7
Prince Albert, Sask.	1,450	28.38	30.06	− .03	− 9.4	−1.0	− 0.6	−18.3	42	−43	1.16	+0.19	11.6
Battleford, Sask.	1,592	28.19	30.05	− .03	− 4.0	+1.9	4.9	−13.0	47	−36	1.08	+0.68	10.8
Kamloops, B. C.	1,262	28.83	30.19	+ .23	17.3	−5.7	22.6	12.0	44	−26	0.84	+0.02	8.0
Victoria, B. C.	230	29.89	30.15	+ .18	37.8	−0.7	41.0	34.6	49	13	4.41	−0.98	18.6
Barkerville, B. C.	4,180	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Hamilton, Bermuda	151	29.99	30.16	+ .03	62.7	+0.7	67.9	57.6	72	49	3.32	−1.62	0.0

* See description of Table III, given on p. 40, C. A., jr.