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 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 Prof. 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 surface 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 surface 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. observation, 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 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, air and surface water temperatures, 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 issue for December, 1915.

TABLE I.—*Climatological data for Weather Bureau Stations, January, 1918.*

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.														Precipitation.			Wind.										
	Barometer above sealevel.	Thermometer above ground.	Anemometer above ground.	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.	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.							17.0	−7.4										75	2.75	−0.80										5.9		
Eastport	76	67	85	29.64	29.73	−0.27	15.4	−4.7	42	12	22	−11	28	9	32	14	11	81	2.88	−1.0	14	10,029	w.	62	e.	15	6	14	11	6.1	22.0	18.5
Greenville	1,070	6		28.55	29.77		6.4		34	13	16	−28	3	−3	36				2.49								11	6	14		25.0	33.0
Portland, Me.	103	82	117	29.69	29.82	−.23	15.0	−7.0	42	12	22	−9	2	8	27	12	6	70	3.48	−0.3	11	6,529	nw.	47	se.	12	14	5	12	5.2	16.7	16.0
Concord	288	70	79	29.50	29.84	−.21	13.3	−7.9	47	12	20	−14	3	4	33				1.65	−1.7	10	4,577	nw.	31	nw.	5	18	5	8	4.2	17.3	19.0
Burlington	404	11	48	29.40	29.88	−.17	9.0	−7.3	39	12	16	−24	28	2	34				1.73	−0.1	12	7,720	s.	56	se.	12	3	13	15	6.9	19.4	15.5
Northfield	876	12	60	28.87	29.86	−.19	6.1	−9.0	37	12	17	−33	2	−5	37	4	1	85	1.85	−0.6	9	4,920	s.	31	sw.	13	4	6	21	7.8	21.5	26.5
Boston	125	115	188	29.68	29.82	−.23	21.0	−6.0	54	12	28	−3	1	14	26	18	12	69	3.11	−0.7	11	8,955	w.	38	e.	12	11	8	12	5.5	13.8	4.6
Nantucket	12	14	90	29.80	29.80	−.24	24.0	−8.1	49	12	30	5	2	18	19	22	18	76	2.71	−0.7	11	13,327	w.	60	s.	15	5	14	12	6.4	15.0	4.0
Block Island	26	11	46	29.80	29.83	−.24	22.9	−8.5	51	12	28	2	2	18	24	21	17	78	2.80	−1.1	9	17,786	w.	60	se.	12	8	5	18	6.9	6.3	3.0
Narragansett Pier		9					20.1	−8.3	48	12	28	−5	2	12	28				3.32		10		w.				13	7	11		9.8	3.0
Providence	160	215	251	29.65	29.84	−.22	20.3	−6.9	51	12	27	−1	2	13	24	17	13	76	3.11	−1.3	9	11,598	nw.	71	se.	12	8	13	10	5.4	7.0	1.9
Hartford	159	122	140	29.69	29.87	−.20	17.4	−8.1	51	12	25	−8	2	10	30	15	9	69	3.28	−0.6	11	5,802	nw.	32	sw.	13	8	14	9	4.9	13.2	9.0
New Haven	106	117	155	29.75	29.87	−.21	19.8	−7.5	50	12	27	−7	1	12	30	16	10	70	3.61	−0.3	12	7,786	n.	47	se.	12	9	12	10	5.4	10.3	3.4
Middle Atlantic States.							22.7	−8.9										73	4.06	+0.7										5.9		
Albany	97	102	115	29.79	29.90	−0.17	14.0	−8.5	47	12	22	−11	2	6	31	12	8	78	2.57	0.0	9	5,174	nw.	30	s.	12	13	6	12	5.3	13.0	11.0
Binghamton	871	10	69	28.91	29.88	−.20	14.0	−9.1	46	12	22	−14	2	6	43				2.32	+0.3	15	4,503	sw.	25	sw.	12	11	9	11	5.4	23.1	11.9
New York	314	414	454	29.54	29.90	−.20	21.6	−8.6	50	12	29	−5	1	14	34	18	11	66	3.41	−0.4	11	15,057	nw.	84	se.	12	8	10	13	6.2	13.6	4.6
Harrisburg	374	94	104	29.53	29.95	−.15	19.1	−9.6	42	12	26	−8	20	12	35	16	11	73	5.69	+2.9	15	5,503	w.	36	w.	12	10	7	14	5.7	31.0	22.0
Philadelphia	117	123	190	29.80	29.94	−.17	24.2	−7.6	57	12	30	2	4	18	39	22	16	73	4.06	+0.6	12	8,108	nw.	43	s.	12	9	5	17	6.5	27.0	13.2
Reading	325	81	98	29.57	29.95		19.8		54	12	26	1	4	13	45	17	13	77	4.64	+1.1	16	5,886	nw.	35	sw.	12	11	2	18	6.4	22.6	11.5
Scranton	805	111	119	29.02	29.92	−.17	17.4	−8.1	50	12	25	−5	3	10	41	15	11	78	4.71	+1.9	16	6,283	sw.	34	sw.	12	9	8	14	6.0	22.4	4.8
Atlantic City	52	37	48	29.86	29.92	−.19	24.4	−8.1	51	12	31	0	4	18	27	21	17	75	4.34	+0.9	13	6,795	nw.	36	s.	12	10	8	13	5.8	20.5	14.2
Cape May	18	13	49		29.96	−.16	25.6	−8.5	50	12	31	3	4	20	26				3.54	+0.2	12	7,967	nw.	52	s.	12	11	9	11		18.5	13.3
Sandy Hook	22	10	57	29.88	29.90		21.6		51	12	28	1	4	16	33	19	14	79	3.54		13	14,932	w.	66	s.	12	9	10	12	5.7	9.4	2.8
Trenton	100	159	183	29.70	29.91		20.4		54	12	27	−1	1	14	39	18	14	78	3.00	−0.2	12	10,389	w.	64	s.	12	9	5	17	6.0	19.3	8.6
Baltimore	123	100	113	29.82	29.96	−.16	24.2	−9.2	52	12	30	4	4	18	38	21	14	65	5.00	+1.8	13	5,687	sw.	46	se.	12	8	8	15	6.4	21.9	14.8
Washington	112	62	85	29.82	29.95	−.18	23.7	−9.2	50	12	30	1	1	18	34	20	14	69	4.29	+0.9	14	5,425	nw.	38	w.	15	9	7	15	6.2	22.6	11.6
Lynchburg	681	153	188	29.17	29.94	−.19	27.0	−8.8	50	25	35	0	21	19	31	23	17	68	4.42	+0.7	13	5,142	w.	30	nw.	15	10	10	11	5.9	19.6	7.9
Norfolk	91	170	205	29.85	29.95	−.18	31.6	−8.8	63	12	39	5	4	24	39	28	22	72	2.77	−0.6	13	9,978	w.	67	se.	12	11	8	12	5.5	9.1	0.0
Richmond	144	11	52	29.80	29.96	−.17	28.0	−10.0	60	12	36	−1	4	20	46	24	19	73	5.81	+2.8	14	6,538	sw.	60	sw.	12	9	12	10	5.9	14.4	2.6
Wytheville	2,293	49	55	27.46	29.97	−.17	22.6	−10.4	49	27	31	−8	21	14	38	20	17	84	4.32	0.0	14	6,735	w.	48	w.	15	11	5	15	6.1	19.2	6.0
South Atlantic States.							38.6	−6.6										76	2.76	−1.0										5.2		
Asheville	2,255	70	84	27.51	29.97	−0.18	28.8	−6.6	58	28	37	−2	13	20	31	25	22	80	4.56	−0.1	16	7,435	nw.	35	n.	12	8	8	15	6.3	11.1	0.0
Charlotte	773	153	161	29.10	29.96	−.19	32.4	−8.0	56	25	41	6	13	24	35	29	24	77	3.82	−0.5	14	8,019	sw.	60	sw.	11	13	5	13	5.4	1.5	0.0
Hatteras	11	12	50	29.93	29.94	−.20	37.6	−8.2	62	12	45	11	4	30	32	34	31	85	1.78	−3.2	10	12,487	w.	72	sw.	15	8	10	13	6.4	2.4	0.0
Manteo	12	4	46				34.4		58	12	42	9	4	26					2.20	−2.4	10		n.				14	1	16			
Raleigh	376	103	110	29.54	29.96	−.17	32.4	−8.0	65	11	41	6	4	24	47	28	24	76	4.80	+1.2	14	5,955	ne.	52	w.	15	10	9	12	5.3	5.7	0.0
Wilmington	78	81	91	29.89	29.98	−.16	39.3	−6.3	68	28	49	11	4	30	36	34	29	73	2.17	−1.3	12	6,249	w.	47	s.	11	15	4	12	4.8	0.1	0.0
Charleston	48	11	92	29.94	29.99	−.16	42.4	−6.9	73	27	51	18	13	34	31	37	32	75	1.13	−2.3	11	8,087	w.	47	s.	11	18	4	9	3.8	0.5	0.0
Columbia, S. C.	351	41	57	29.59	29.98	−.17	38.2	−6.9	71	27	48	6	1	29	30	33	27	72	2.16	−1.1	11	6,817	sw.	63	sw.	11	14	3	14	5.5	1.0	0.0
Greenville, S. C.	1,039	113	122	28.81	29.94		32.8		60	28	40	4	13	25	28	29	25	80	7.42		15	7,686	sw.	45	sw.	12	10	7	14	5.7	2.5	0.0
Augusta	180	62	77	29.78	29.98	−.18	40.0	−5.9	74	27	50	12	1	30	37	35	32	79	3.42	−0.7	13	5,382	w.	48	w.	11	11	6	14	5.7	1.0	0.0
Savannah	65	150	194	29.93	30.00	−.15	44.8	−5.1	77	28	55	18	13	35	31	38	34	73	0.95	−2.2	9	9,084	w.	56	sw.	11	15	7	9	4.7	0.5	0.0
Jacksonville	43	200	245	29.97	30.02	−.13	50.0	−3.9	79	28	60	21	1	40	29	44	39	74	2.78	−0.3	10	10,200	sw.	59	sw.	11	16	7	8	4.1	0.0	0.0
Florida Peninsula.							61.8	−2.7										78	1.63	−1.1										3.8		
Key West	22	10	64	30.00	30.02	−0.08	66.4	−2.4	80	31	72	46	4	60	23	61	59	81	1.05	−0.9	5	8,088	e.	50	nw.	3	17	12	2	3.3	0.0	0.0
Miami	25	71	79	30.02	30.05		62.8	−4.5	81	15	71	32	4	54	49	57	54	77	0.85	−2.6	8	6,044	nw.	33	nw.	3	17	11	3	3.4	0.0	0.0
Sand Key	23	39	72	29.98	30.01	−.09	67.0		77	11	71	50	4	63	16	63	60	77	0.94		6	12,184	ne.	46	nw.	3	17	9	5	3.7	0.0	0.0
Tampa	35	79	96	30.00	30.04	−.08	56.2	−1.2	80	31	66	31	4	47	31	50	47	78	3.00	+0.2	11	4,986	nw.	46	sw.	11	10	13	8	5.0	0.0	0.0
East Gulf States.							41.3	−6.1										69	6.77	+1.3										5.6		
Atlanta	1,174	190	216	28.70	29.97	−0.18	34.8	−7.4	68	27	42	4	13	28	26	32	28	77	9.12	+3.8	13	9,153	w.	60	sw.	11	8	5	18	6.8	2.9	0.0
Macon	370	78	87	29.59	29.99	−.17	40.0	−5.6	74	28	50	10	13	30	42	36	31	75	5.40	+0.2	10	5,036	s.	33	sw.	11	11	4	16	5.9	T.	0.0
Thomasville	273	49	58	29.70	30.01	−.15	46.0	−5.0	77	29	57	15	13	35	36	40	36	74	3.73	−0.4	10	4,238	sw.	36	sw.	11	11	9	11	5.4	0.0	0.0
Pensacola	56	149	185	29.94	30.00	−.14	47.4	−4.9	68	27	56	18	12	39	46	44	40	78	5.53	+1.5	9	11,615	n.	59	sw.	11	14	5	12	5.2	0.0	0.0
Anniston	741	9	57	29.22	30.00	−.16	36.2	−6.0	70	27	45	3	12	28	32				8.59	+3.3	13	5,529	w.	37	nw.	11	9	10	12	5.8	1.3	0.0
Birmingham	700	11	48	29.22	30.01	−.15	36.6	−8.8	73	27	45	1	12	28	36	32	28	73	8.94	+3.6	14	6,282	w.	42	se.	14	10	5	16	6.2	1.3	0.0
Mobile	57	125	161	29.94	30.00	−.15	45.7	−4.1	75	28	55	17	12	36	45	41	38	78	3.87	−1.0	10	9,081	nw.	57	sw.	11	11	11	9	4.8	T.	0.0
Montgomery	223	100	112	29.75	30.01	−.15	41.6	−6.1	77	27	51	12	12	32	51	37	32	73	8.34	+3.2	11	5,999	se.	41	w.	11	10	10	11	5.6	0.1	0.0
Corinth	469	6					28.0		64	25	30	−8	13	17	48				5.20		12		n.				8	9	14		14.0	0.0
Jackson	304	5					38.8		77	27	49	4	13	29	43				6.67		13		nw.				13	7	11		0.5	0.0
Meridian	375	85	93	29.59	30.00	−.16	39.2	−5.8	73	27	49	7	12	29	40	35	31	76	9.82	+4.3	14	5,664	w.	47	sw.	14	11	9	11	5.5	1.1	0.0
Vicksburg	247	65	74	29.74	30.03	−.12	39.0	−8.0	73	27	48	4	12	30	34	34	30	74	6.72	+1.0	11	6,689	nw.	36	sw.	5	13	6	12	5.3	1.4	0.0
New Orleans	51	76	84	29.95	30.00	−.13	48.1	−4.9	79	28	58	17	12	39	45	44	40	79	4.43	−0.2	12	6,420	nw.	30	s.	14	12	8	11	4.9	T.	0.0
West Gulf States.							38.7	−7.4										71	1.72	−1.2										4.3		
Shreveport	249	77	93	29.74	30.02	−0.12	38.2	−8.0	73	26	48	2	12	28	37	33	27	70	2.07	−2.4	5	6,849	se.	32	se.	14	16	3	12	4.9	3.0	0.0
Bentonville	1,303	11	44	28.58	30.01	−.13	21.5	−12.6	62	26	32	−15	12	11	40				2.68	0.0	10	4,459	nw.	19	nw.	2	13	7	11	5.5	21.0	0.5
Fort Smith	457	79	94	29.52	30.03	−.11	25.8	−12.5	65	26	35	−11	12	17	32	22	17	72	2.86	+0.4	8	6,833	e.	32	nw.	11	10	6	15	5.8	13.6	0.0
Little Rock	357	139	147	29.63	30.03	−.12	28.6	−12.0	62	26	36	−8	12	21	31	26	20	73	5.51	+0.7	13	7,226	w.	37	nw.	11	12	4	15	5.7	19.4	1.8
Brownsville	57	4	26				58.0		85	5	72	25	11	44	45				0.08		2		n.									
Corpus Christi	20	69	77	30.00	30.02	−.08	50.6	−2.9	83	26	61	20	12	40	43	45	40	72	0.07	−2.2	3	9,251	se.	46	nw.	10	12	11	8	4.7	0.4	0.0
Dallas	512	109	117	29.46	30.03		35.6		76	25	47	3	12	24	40				1.84		5	7,603	nw.	35	nw.	11	19	5	7	3.8	9.0	0.0
Fort Worth	670	106	114	29.27	30.01	−.11	36.8	−7.5	77	26	48	4	11	25	40	32	27	72	1.36	+0.4	6	9,230	nw.	38	nw.	10	20	5	6	3.4	6.2	T.
Galveston	54	106	114	29.96	30.02	−.11	47.8	−4.9	70	5	56	16	11	40	36	43	39	76	0.54	−3.1	7	10,004	n.	56	nw.	11	13	8	10	4.7	0.5	0.0
Houston	138	111	121	29.86	30.02		47.2	−5.7	77	25	58	11	12	36	35				0.96		9	7,311	nw.	32	nw.	11	18	5	8	3.7	0.2	0.0
Palestine	510	64	72	29.46	30.01	−.11	40.6	−5.9	76	25	52	3	12	29	38	35	32	79	1.37	−2.5	6	6,890	nw.	30	sw.	8	15	8	8	4.0	5.5	0.0
Port Arthur, Tex.	34	58	66	29.95	29.99		45.4		70	14	55	12	12	36	41	41	37	80	0.73		9	8,337	s.	42	nw.	11	14	7	10	4.5	0.5	0.0
San Antonio	701	119	132	29.26	30.00	−.10	47.0	−4.1	84	25	60	12	12	34	56	38	28	54	0.10	−1.6	1	7,024	n.	52	n.	10	20	7	4	3.1	0.4	0.0
Taylor	582	55	63	29.41	30.04	−.07	41.8	−5.7	85	25	55	5	12	29	44				0.59	−2.2	6	8,344	n.	39	n.	10	20	4	7	3.1	2.0	0.0

TABLE I.—*Climatological data for Weather Bureau Stations, January, 1918*—Continued.

Districts and stations.	Elevation of instruments.			Pressure.			Temperature of the air.													Precipitation.			Wind.										
	Barometer above sealevel.	Thermometer above ground.	Anemometer above ground.	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.	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.							21.1	−12.1										82	4.55	+0.7										6.7		
Chattanooga	762	189	213	29.15	29.99	−0.17	32.0	−8.6	67	28	39	−1	12	25	34	29	24	73	7.37	+1.8	20	6,320	w.	44	w.	11	8	5	18	6.7	9.9	0.0
Knoxville	996	102	111	28.87	29.96	−.19	29.2	−8.3	65	28	36	−2	12	22	33	28	25	84	6.62	+1.6	17	5,741	sw.	38	sw.	15	4	10	17	6.9	11.9	0.0
Memphis	399	76	97	29.60	30.04	−.12	27.6	−12.7	62	5	35	−8	12	20	31	25	22	80	5.02	−0.2	13	7,550	n.	48	nw.	14	13	3	15	5.6	13.9	0.0
Nashville	546	168	191	29.40	30.00	−.16	26.4	−11.6	56	26	35	−10	12	18	39	24	20	79	7.43	+2.6	13	7,613	nw.	43	nw.	11	7	11	13	6.5	18.5	T.
Lexington	989	193	230	28.86	29.99	−.14	19.8	−13.2	47	26	27	−14	12	12	26				4.46	+0.6	21	10,901	sw.	42	sw.	12	7	9	15	6.2	21.7	3.0
Louisville	525	219	255	29.38	30.00	−.14	19.6	−14.7	47	6	27	−15	12	12	36	18	15	80	3.49	−0.4	14	9,796	sw.	49	sw.	12	8	8	15	6.2	24.6	7.6
Evansville	431	139	175	29.49	29.98	−.16	19.4	−12.9	49	26	28	−16	12	11	33	17	14	82	5.00	+1.3	16	9,040	sw.	43	sw.	11	4	16	11	6.2	41.0	9.5
Indianapolis	822	194	230	29.02	29.95	−.17	14.6	−15.7	43	6	22	−19	12	7	33	13	9	79	2.89	+0.1	12	10,052	w.	46	w.	11	7	12	12	6.2	22.0	5.0
Terre Haute	575	96	129	29.31	29.96		14.8		43	6	23	−18	12	7	33	13	11	85	2.63		11	7,913	sw.	37	nw.	12	5	16	10	6.4	20.1	7.2
Cincinnati	628	11	51	29.25	29.96	−.16	16.3	−14.0	45	6	24	−16	12	8	32	15	13	88	4.30	+0.9	16	7,327	sw.	36	sw.	12	6	11	14	6.7	20.2	7.5
Columbus	824	173	223	29.03	29.95	−.17	15.8	−12.8	42	6	23	−13	12	8	26	14	10	78	3.51	+0.6	17	9,930	sw.	48	w.	12	6	10	15	6.5	25.4	7.0
Dayton	899	181	216	28.92	29.92		15.0	−13.9	43	6	23	−16	12	7	29	14	11	84	3.46	+0.4	18	9,185	sw.	45	w.	12	8	12	11	6.3	24.4	13.0
Pittsburgh	842	353	410	29.00	29.94	−.17	18.6	−12.1	41	11	26	−5	12	11	45	16	13	80	2.82	0.0	18	9,878	sw.	58	w.	12	4	6	21	7.7	19.1	7.2
Elkins	1,940	59	67	27.79	29.96	−.16	20.7	−8.3	50	26	30	−15	21	12	46	18	16	86	5.11	+1.8	25	5,140	w.	38	sw.	15	2	3	26	8.5	19.6	2.6
Parkersburg	638	77	84	29.29	29.97	−.15	20.3	−11.0	49	6	29	−10	21	12	45	18	15	83	2.24	−1.0	20	3,428	sw.	26	sw.	12	6	5	20	7.5	17.2	2.1
Lower Lakes Region.							13.4	−10.4										83	2.88	+0.2										6.8		
Buffalo	767	247	280	29.02	29.89	−0.18	14.1	−10.6	40	12	21	−6	13	8	46	12	10	86	5.64	+2.3	22	16,759	w.	88	w.	12	6	9	16	6.7	40.8	24.0
Canton	418	10	61	29.36	29.88		7.5	−8.8	39	12	15	−30	28	0	36				2.37	−0.8	17	8,588	w.	48	w.	12	11	6	14	5.8	22.3	16.1
Oswego	335	76	91	29.51	29.89	−.18	14.0	−9.9	33	12	20	−8	2	8	32	14	11	86	1.69	−1.5	13	10,145	nw.	41	sw.	13	2	10	19	7.6	28.3	18.5
Rochester	523	97	113	29.31	29.91	−.16	14.8	−9.2	40	12	21	−2	13	8	41	13	9	80	2.25	−0.9	19	8,578	sw.	43	w.	12	9	4	18	6.8	17.2	11.0
Syracuse	597	97	113	29.23	29.91	−.16	14.2	−8.8	42	12	21	−9	2	8	39	12	10	86	3.60	+1.5	17	9,149	w.	39	w.	10	3	13	15	7.1	31.0	11.5
Erie	714	130	166	29.10	29.91	−.17	15.0	−8.5	37	6	22	−8	12	8	44	13	10	82	1.75	−1.3	15	12,558	sw.	65	se.	12	1	13	17	7.4	13.6	6.5
Cleveland	762	190	201	29.07	29.93	−.16	15.0	−11.2	40	6	22	−9	12	8	44	13	10	80	2.60	+0.2	19	11,424	sw.	52	sw.	12	3	11	17	7.5	24.8	9.0
Sandusky	629	62	103	29.21	29.93	−.16	14.6	−11.7	40	6	21	−12	12	8	45	12	9	80	2.77	+0.7	17	11,727	sw.	48	sw.	12	5	11	15	6.8	23.0	11.3
Toledo	628	208	243	29.22	29.94	−.15	13.7	−11.9	38	25	21	−15	12	7	43	12	9	85	3.65	+1.7	15	13,339	sw.	63	sw.	12	9	6	16	6.3	26.2	11.8
Fort Wayne	856	113	124	28.97	29.94		11.4	−12.9	37	25	19	−24	12	4	28	10	8	85	2.19		17	9,017	sw.	44	s.	12	6	13	12	5.9	25.4	13.5
Detroit	730	218	245	29.08	29.91	−.17	13.2	−11.1	36	6	20	−16	12	6	42	11	9	84	2.53	+0.6	13	11,617	sw.	66	sw.	12	8	10	13	6.4	18.6	9.0
Upper Lakes Region.							8.5	−9.8										85	2.56	+0.6										6.9		
Alpena	609	13	92	29.18	29.88	−0.16	8.2	−10.5	25	11	16	−17	31	1	31	8	5	86	1.41	−0.8	13	8,598	nw.	35	e.	28	3	15	13	6.5	21.5	15.0
Escanaba	612	54	60	29.21	29.91	−.14	6.7	−7.8	25	5	13	−19	31	1	27	6	4	91	1.12	−.04	15	7,183	nw.	36	n.	7	11	8	12	5.9	12.8	11.0
Grand Haven	632	54	92	29.18	29.90	−.17	13.2	−11.3	32	25	19	−11	27	7	25	12	8	77	2.99	+0.2	19	10,261	w.	48	s.	12	5	6	20	7.6	36.3	24.4
Grand Rapids	707	70	87	29.10	29.91	−.15	12.5	−11.3	32	25	18	−14	12	7	35	11	8	83	3.24	+0.5	20	5,548	w.	27	ne.	6	3	11	17	7.3	45.0	18.0
Houghton	684	62	99	29.15	29.91	−.14	6.6	−7.9	26	6	13	−28	31	0	29				2.65	+0.6	21	7,328	w.	35	nw.	12	4	7	20	8.0	27.7	35.0
Lansing	878	11	62	28.92	29.90		10.2	−11.8	32	25	18	−17	12	2	38	8	5	86	2.08	0.0	15	5,781	sw.	32	sw.	12	6	9	16	6.9	22.7	12.5
Ludington	637	60	66	29.17	29.89		12.4		29	25	18	−11	31	7	21	12	10	88	3.21		20	9,235	w.	38	nw.	12	2	6	23	8.3	43.5	21.5
Marquette	734	77	111	29.09	29.93	−.11	8.8	−7.1	24	5	15	−19	31	3	20	7	4	88	4.77	+2.7	20	8,859	w.	38	nw.	12	4	11	16	7.4	50.1	30.0
Port Huron	638	70	120	29.17	29.90	−.16	10.9	−10.9	36	6	18	−15	12	4	44	9	7	86	1.74	−0.2	14	9,449	sw.	52	sw.	12	8	11	12	5.9	19.6	11.8
Saginaw	641	48	82	29.16	29.90		10.4		30	25	18	−15	12	3	40	9	8	92	2.18	−0.1	14	8,305	w.	43	s.	12	3	9	19	7.8	21.7	22.0
Sault Ste. Marie	614	11	61	29.16	29.90	−.13	3.2	−10.1	20	5	11	−22	31	−5	33	3	−1	83	0.99	−1.2	17	5,953	e.	41	nw.	25	7	4	20	7.3	12.1	17.4
Chicago	823	140	310	29.01	29.95	−.15	13.3	−10.4	35	25	20	−14	12	7	26	12	7	76	4.12	+2.1	15	10,699	w.	44	ne.	6	9	7	15	6.1	42.5	23.8
Green Bay	617	109	144	29.22	29.92	−.14	5.8	−8.8	28	5	13	−17	31	−2	25	5	0	76	2.22	+0.5	13	9,518	sw.	42	n.	6	8	6	17	6.8	25.1	16.3
Milwaukee	681	119	133	29.14	29.91	−.17	10.0	−9.8	34	25	17	−11	18	4	25	9	6	84	5.38	+3.4	14	9,464	w.	44	n.	6	12	8	11	5.2	52.6	19.8
Duluth	1,133	11	47	28.68	29.98	−.11	0.8	−9.6	24	5	9	−28	31	−7	35	−1	−2	95	0.94	0.0	10	10,506	nw.	60	nw.	12	8	9	14	6.1	12.1	10.4
North Dakota.							−1.1	−5.2										88	0.56	0.0										6.4		
Moorhead	940	8	57	29.02	30.11	−0.03	−1.4	−4.1	34	24	7	−30	30	−10	32	−2	−6	82	0.61	−0.1	12	7,088	nw.	30	n.	24	12	5	14	5.5	6.1	8.5
Bismarck	1,674	8	57	28.25	30.16	+.03	1.4	−5.3	43	1	9	−29	30	−7	33	0	−1	90	0.62	+0.1	10	8,984	nw.	47	nw.	23	7	6	18	6.9	10.3	10.0
Devils Lake	1,482	11	44	28.39	30.09	−.03	−4.6	−4.9	37	1	4	−36	30	−14	36	−5	−7	92	0.24	−0.4	9	9,057	nw.	36	nw.	1	8	5	18	6.5	2.8	4.0
Ellendale	1,457	10	56	28.44	30.09		1.4		43	1	9	−28	30	−6	31	0	−1	90	0.42		9	12,507	nw.	58	nw.	23	9	8	14	6.2	4.2	1.0
Grand Forks	835	12	89				−3.6		31	24	6	−35	30	−13	34				0.50		8		nw.	36	nw.	24	16	4	11		5.0	5.5
Williston	1,872	41	48	28.02	30.14	+.03	0.2	−6.3	40	1	9	−33	13	−8	46	0	−2	88	0.75	+0.2	10	6,525	w.	48	nw.	23	4	13	14	6.6	5.9	2.7
Upper Mississippi Valley.							10.7	−10.8										83	1.38	−0.3										5.3		
Minneapolis	918	10	208	28.95	29.98		4.0		36	24	12	−22	31	−4	37				0.38	−0.3	13	9,375	nw.	37	nw.	24	9	9	13	5.9	5.3	5.0
St. Paul	837	201	236	29.05	30.01	−0.10	3.7	−7.9	35	24	11	−25	31	−4	41				0.51	−0.4	13	9,836	nw.	40	nw.	12	9	11	11	5.5	8.1	4.0
La Crosse	714	11	48	29.17	30.00	−.11	5.4	−9.8	36	25	14	−23	31	−4	34	1.3			1.33	+0.2	12	4,159	nw.	22	nw.	25	11	7	13	5.6	14.8	10.0
Madison	974	70	78	28.84	29.96	−.14	5.6	−10.9	34	25	13	−18	31	−2	28	5	2	85	2.09	+0.5	15	8,731	nw.	46	n.	6	9	8	14	6.1	24.5	16.8
Wausau	1,247	4		28.51	29.92		4.0		25	5	12	−24	31	−4	33				0.86		10		nw.				13	5	13	5.4	9.6	7.9
Charles City	1,015	10	49	28.87	30.01	−.13	5.0	−6.4	37	1	15	−27	31	−5	37	3	1	88	0.85	−0.1	11	5,959	nw.	24	nw.	12	7	12	12	6.2	14.2	6.5
Davenport	606	71	79	29.30	30.00	−.12	10.0	−10.8	38	23	18	−18	12	2	41	9	6	85	1.56	0.0	13	6,837	w.	29	n.	6	12	5	14	5.8	16.8	9.4
Des Moines	861	84	97	29.05	30.01	−.13	11.8	−8.6	44	4	21	−20	31	3	38	11	7	78	0.78	−0.4	7	6,351	nw.	26	n.	1	6	14	11	6.0	8.3	4.2
Dubuque	698	81	96	29.20	30.00	−.12	8.2	−10.1	37	25	17	−16	31	0	43	7	4	86	1.83	+0.3	15	5,828	nw.	31	n.	6	13	5	13	5.5	17.5	12.4
Keokuk	614	64	78	29.30	30.02	−.12	12.4	−11.3	41	4	21	−21	11	4	33	11	8	82	0.70	−1.0	6	6,702	nw.	35	nw.	12	10	13	8	5.1	8.0	4.5
Cairo	356	87	93	29.59	29.99	−.17	21.0	−13.8	53	25	29	−16	12	13	27	19	14	74	3.47	−0.4	12	7,514	n.	43	n.	2	9	7	15	6.0	24.2	4.4
Peoria	609	11	45	29.29	29.99	−.13	10.4	−12.7	36	25	19	−21	12	2	40	9	7	89	1.58	−0.6	11	6,463	w.	32	n.	6	12	5	14	5.6	16.9	9.0
Springfield, Ill	644	10	91	29.26	29.97	−.16	13.6	−12.7	39	25	21	−20	12	6	32	12	8	81	1.88	−0.4	11	7,263	w.	30	nw.	11	7	9	15	6.2	19.2	12.0
Hannibal	534	74	109	29.40	30.00	−.13	13.6	−13.1	42	1	22	−20	12	5	37				0.98	−1.2	8	7,659	sw.	40	sw.	12	7	7	17	6.3	15.8	3.8
St. Louis	567	265	303	29.36	29.99	−.15	18.8	−12.2	45	25	26	−17	12	12	29	16	13	79	1.31	−1.0	11	10,335	nw.	46	w.	11	6	13	12	6.8	11.7	0.7
Missouri Valley.							12.6	−8.5										83	0.95	0.0										5.5		
Columbia, Mo	781	11	84	29.14	30.02	−0.11	15.4	−11.8	44	1	24	−19	12	7	35				1.00	−1.2	7	6,905	sw.	34	nw.	2	7	9	15	6.4	11.6	1.0
Kansas City	963	161	181	28.95	30.03	−.12	17.4	−8.8	51	24	26	−16	11	9	33	15	10	73	0.94	−0.2	7	9,688	n.	44	nw.	2	12	10	9	5.1	10.3	2.6
St. Joseph	967	11	49	28.93	30.04		15.6		52	24	24	−19	12	7	36	13	10	81	0.67		7	7,305	nw.	36	nw.	1	9	9	13	5.5	6.4	3.0
Springfield, Mo	1,324	98	104	28.55	30.02	−.12	18.4	−12.9	55	26	27	−19	12	10	38	16	14	85	1.96	−0.7	11	8,043	w.	32	n.	2	19	3	9	4.0	23.0	0.5
Iola	984	11	50	28.94	30.05	−.09	17.6	−10.0	55	1	27	−18	12	8	40				0.90	−0.1	7	5,827	n.	30	n.	2	13	5	13	5.3	7.8	3.1
Topeka	983	85	101				17.2	−8.4	53	24	27	−16	12	8	33				0.51	−0.4	5	8,118	nw.	37	n.	2	13	6	12	5.0	9.4	2.3
Drexel	1,299	10	54	28.59	30.06		10.6		52	1	21	−24	11	0	32	8	6	88	0.49		6	8,413	nw.	36	nw.	23	10	8	13	5.8	9.2	5.0
Lincoln	1,189	11	84	28.72	30.06	−.09	12.7	−9.5	56	4	23	−23	11	2	40	11	8	83	0.58	0.0	9	8,921	nw.	50	nw.	23	9	14	8	5.0	7.4	3.3
Omaha	1,105	115	122	28.81	30.07	−.08	12.7	−7.8	51	1	21	−22	11	4	30	11	6	75	0.65	0.0	7	7,998	nw.	42	n.	2	11	10	10	5.2	7.0	3.0
Valentine	2,598	47	54	27.24	30.12	.00	10.0	−8.2	60	3	20	−32	11	0	42	9	8	92	0.71	+0.2	9	7,817	nw.	38	nw.	23	8	9	14	6.2	7.4	4.8
Sioux City	1,135	94	164	28.79	30.08	−.07	8.2	−7.4	48	1	17	−26	11	−1	38	7	4	85	1.37	+0.8	10	10,119	nw.	46	nw.	22	8	8	15	5.9	14.6	6.0
Huron	1,306	59	74	28.64	30.13	−.03	4.8	−4.7	50	1	14	−28	30	−4	31	3	−2	87	0.71	+0.2	13	9,441	nw.	48	nw.	23	10	11	10	5.2	6.8	2.8
Pierre	1,572	70	75	28.38	30.15	+.02	8.0	−5.9	56	3	16	−28	30	0	41	7	3	77	1.08	+0.6	13	7,742	nw.	44	nw.	23	9	6	16	6.4	16.1	4.6
Yankton	1,233	49	57	28.68	30.08	−.08	8.6	−6.9	50	1	18	−26	11	0	39				1.02	+0.5	11	7,285	nw.	32	nw.	23	6	10	15	6.3	11.7	8.0

TABLE I.—*Climatological data for Weather Bureau Stations, January, 1918*—Continued.

Districts and stations.	Elevation of instruments. Barometer above sea level.	Thermometer above ground.	Anemometer above ground.	Pressure. Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Temperature of the air. 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.	Precipitation. Total.	Departure from normal.	Days with 0.01 inch or more.	Wind. Total movement.	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.
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F		°F	°F		°F	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Northern Slope.							16.1	−2.9										78	1.18	+0.3										6.5		
Billings	3,140	5					16.6		53	2	26		31	8	39				2.00		12						6	17	8		23.0	8.0
Havre	2,505	11	44	27.36	30.15	+0.05	10.8	−2.7	53	2	19		31	3	52	9	7	86	1.19	+0.5	14	6,031	sw.	39	w.	22	8	8	15	6.5	11.9	7.3
Helena	4,110	87	112	25.75	30.10	− .05	21.0	+1.0	59	1	29		31	13	32	18	14	75	1.07	+0.2	16	5,568	sw.	42	sw.	4	3	12	16	7.4	13.4	5.8
Kalispell	2,962	11	34	26.92	30.10	− .02	21.8	+2.2	45	4	28		31	15	39	21	19	89	1.82	+0.2	19	3,162	nw.	34	ne.	29	3	6	22	7.9	16.4	9.6
Miles City	2,371	48	55	27.50	30.19	+ .07	10.8	−3.7	49	2	19		31	2	32	9	7	84	1.32	+0.7	16	4,519	nw.	43	s.	22	8	17	6	5.3	12.4	8.8
Rapid City	3,259	50	58	26.54	30.16	+ .06	13.2	−8.3	60	1	24	−28	30	3	42	11	6	73	1.25	+0.8	13	6,807	n.	40	nw.	23	7	11	13	6.3	13.0	7.0
Cheyenne	6,088	84	101	23.81	30.00	− .05	19.8	−5.8	59	2	30	−16	31	10	46	16	10	67	0.47	+0.1	10	12,314	nw.	61	w.	24	5	17	9	6.2	6.6	0.1
Lander	5,372	60	68	24.52	30.10	− .02	16.8	−0.6	64	1	30	−37	31	3	48	12	6	66	1.02	+0.6	6	2,956	sw.	36	w.	29	9	16	6	5.5	10.2	1.0
Sheridan	3,790	10	47	26.05	30.12		15.6		58	2	27	−32	31	4	53	13	10	81	2.21		19	4,103	nw.	38	nw.	8	4	9	18	7.3	23.6	10.4
Yellowstone Park	6,200	11	48	23.75	30.10	− .04	16.2	−1.4	47	1	25	−32	31	7	35	14	11	78	1.98	−0.3	22	4,887	s.	32	sw.	3	6	8	16	6.8	20.8	12.7
North Platte	2,821	11	51	27.03	30.11	− .01	14.8	−6.6	66	3	26	−25	11	3	45	12	8	78	0.54	+0.1	11	6,175	w.	29	n.	10	8	11	12	5.7	5.3	2.6
Middle Slope.							21.4	−7.8										74	0.78	+0.1										4.8		
Denver	5,292	106	113	24.58	30.01	−0.04	24.6	−4.5	65	3	36	−11	31	13	45	19	12	65	0.59	+0.2	9	5,920	se.	38	nw.	23	10	13	8	5.5	8.1	1.3
Pueblo	4,685	80	86	25.17	30.02	− .03	22.8	−6.3	71	1	37	−15	11	8	45	19	13	69	0.61	+0.3	8	4,284	nw.	37	nw.	29	11	7	13	5.5	7.5	0.4
Concordia	1,392	50	58	28.54	30.09	− .05	15.3	−9.1	60	1	26	−20	11	4	40	13	11	86	0.85	+0.1	5	6,739	nw.	31	nw.	12	9	10	12	5.5	8.7	2.0
Dodge City	2,509	11	51	27.35	30.07	− .06	21.1	−6.2	67	4	33	−19	11	9	41	16	10	67	0.80	+0.3	6	7,926	nw.	38	n.	30	15	9	7	4.0	9.3	T.
Wichita	1,358	139	158	28.54	30.05	− .08	19.4	−10.3	64	1	29	−14	11	10	40	17	14	82	0.89	+0.1	5	9,731	n.	39	nw.	6	17	6	8	4.2	8.7	0.5
Altus	1,410	5					31.2		68	1	44	−3	11	18	46				0.61		4		n.				20	2	9		4.0	T.
Muskogee	652	4					23.7		68	20	36	−11	12	11	50				2.25		9		n.				9	6	16		10.6	0.0
Oklahoma	1,214	10	47	28.71	30.05	− .06	25.0	−9.7	63	26	35	−7	11	15	45	21	17	78	0.95	−0.4	6	10,956	n.	48	n.	10	15	10	6	4.2	7.6	0.8
Southern Slope.							34.4	−4.8										61	0.68	0.0										3.6		
Abilene	1,738	10	52	28.15	30.01	−0.08	36.6	−6.0	75	25	50	1	11	23	47	29	21	59	0.91	0.0	6	8,629	n.	43	sw.	13	15	9	7	3.8	9.1	0.0
Amarillo	3,676	10	49	26.16	30.01	− .05	30.7	−3.2	74	3	44	−8	11	17	51	24	19	73	1.01	+0.4	7	8,328	nw.	40	n.	10	24	3	4	3.7	10.1	0.0
Del Rio	944	64	71	29.00	30.01	− .05	46.4	−3.8	85	26	61	12	11	32	56				0.05	−0.8	2	5,231	e.	54	nw.	10	21	6	4	2.6	0.5	0.0
Roswell	3,566	75	85	26.28	29.98	− .06	32.8	−6.4	75	2	48	−8	22	18	52	26	14	52	0.73	+0.2	5	6,162	s.	48	nw.	15	15	8	8	4.3	7.4	0.0
Southern Plateau.							40.1	−0.7										52	1.03	+0.1										2.9		
El Paso	3,762	110	133	26.13	29.96	−0.05	41.5	−2.6	69	4	53	8	22	30	36	34	24	54	1.20	+0.7	6	8,701	w.	56	w.	9	21	6	4	3.2	5.5	0.0
Santa Fe	7,013	57	66	23.07	29.96	− .08	26.2	−2.3	59	2	36	−1	21	16	32	22	17	74	1.63	+1.0	11	6,004	n.	34	s.	9	12	14	5	4.7	22.7	2.5
Flagstaff	6,908	8	57	23.23	29.94	− .11	25.4	−1.3	62	3	40	−13	28	11	48				1.33	−0.7	6		w.	37	e.	6	17	10	4		17.5	6.5
Phoenix	1,108	76	81	28.80	29.98	− .05	49.6	−0.4	80	1	64		27	23	36	42	40	28	1.14	0.0	4	3,850	e.	26	w.	9	19	7	5	3.0	0.0	0.0
Yuma	141	9	54	29.85	30.00	− .05	54.3	−0.4	82	1	68		31	28	40	41	43	28	0.81	+0.4	2	4,453	n.	39	n.	10	27	2	2	1.4	0.0	0.0
Independence	3,910	11	42	26.00	30.03	− .04	43.2	+2.7	71	4	56		20	21	30	39	32	17	0.06	−0.8	1		nw.				23	4	4	2.1	T.	0.0
Needles	488	4		29.49	30.01		50.8		78	2	64		28	16	37	38			0.26		3						16	8	7		0.0	0.0
Middle Plateau.							30.2	+1.5										66	1.10	0.0										4.9		
Reno	4,532	74	81	25.54	30.17	+0.04	36.3	+3.8	60	1	49		12	27	24	38	30	20	0.13	−1.8	3	4,086	w.	40	w.	7	17	9	5	4.0	0.1	0.0
Tonopah	6,090	12	20	24.05	30.11		31.6		58	2	39		6	10	24	23	27	19	0.22	−0.5	3	7,212	nw.	37	nw.	9	21	7	3	2.7	2.5	0.0
Winnemucca	4,344	18	56	25.68	30.17	+ .01	31.8	+3.0	61	2	44	−1	10	20	44	27	22	68	1.04	0.0	6	5,188	sw.	28	nw.	26	7	11	13	6.1	5.9	0.0
Modena	5,479	10	43	24.58	30.05	− .05	28.2	+0.7	65	3	43	0	21	14	43	23	14	59	0.11	−0.6	4	7,303	w.	39	nw.	18	16	6	9	4.0	1.8	0.0
Salt Lake City	4,330	163	203	25.61	30.08	− .07	30.4	+1.8	53	2	3	10	10	24	22	28	24	76	3.89	+2.5	17	4,091	se.	26	nw.	29	5	12	14	6.9	31.0	8.5
Grand Junction	4,602	82	96	25.35	30.03	− .03	23.2	−1.7	58	2	33	1	22	14	34	21	17	79	1.18	+0.7	14	3,667	se.	21	se.	11	10	11	10	5.5	15.9	4.5
Northern Plateau.							33.1	+4.3										80	2.20	+0.6										7.7		
Baker	3,471	48	53	26.48	30.15	−0.01	28.8	+4.9	54	1	33	−9	31	22	26	27	24	81	1.93	+0.6	17	3,937	se.	27	nw.	9	6	6	19	7.3	15.1	2.0
Boise	2,739	78	86	27.23	30.16	− .03	34.4	+5.1	53	1	41	9	31	28	22	32	28	78	2.27	+0.4	18	3,561	nw.	33	nw.	9	5	6	20	7.3	4.9	T.
Lewiston	757	40	48	29.29	30.12	− .04	36.4	+1.9	59	1	42	6	31	30	21				3.12	+1.5	21	2,580	e.	30	sw.	28	3	6	22	8.2	15.1	0.4
Pocatello	4,477	60	68	25.44	30.08	− .12	27.6	+2.5	57	3	35	−7	31	20	29	25	23	80	1.94	+1.3	17	8,327	se.	40	sw.	29	3	9	19	7.5	21.7	8.0
Spokane	1,929	101	110	28.00	30.11	− .01	31.6	+4.9	62	1	37	3	31	27	24	30	27	83	1.66	−0.6	16	4,065	sw.	34	sw.	28	4	4	23	8.3	8.7	T.
Walla Walla	991	57	65	29.04	30.13	− .02	39.8	+6.6	67	1	46	10	31	33	22	37	33	78	2.29	+0.3	17	3,910	s.	27	sw.	18	4	8	19	7.4	3.7	T.
North Pacific Coast Region.							44.8	+4.7										85	6.13	−0.8										8.1		
North Head	211	11	56	29.88	30.12	+0.07	45.5	+3.7	55	6	49	23	31	42	30	45	44	93	7.47	+0.8	25	13,870	nw.	72	se.	17	3	2	26	8.5	0.0	0.0
North Yakima	1,071	4					35.0		55	24	43	7	31	27	23				0.64		4		nw.				10	11	10		3.0	0.0
Port Angeles	29	8	53		30.08		41.6		56	1	46	20	31	37	17				2.62	−2.8	21	4,647	w.	32	nw.	8	3	4	24			
Seattle	125	215	250	29.99	30.12	+ .07	43.7	+4.4	60	1	48	24	31	40	13	42	38	81	2.94	−1.6	19	7,711	se.	42	s.	28	1	5	25	8.6	0.0	0.0
Tacoma	213	113	120	29.30	30.12	+ .08	43.6	+5.5	63	1	48	22	31	39	16	42	39	84	4.14	−1.6	16	5,317	sw.	30	sw.	28	2	6	23	8.2	T.	0.0
Tatoosh Island	86	7	57	29.96	30.05	+ .08	44.5	+3.3	55	1	47	29	30	42	11	43	41	88	13.98	+1.8	27	14,440	e.	56	s.	1	4	3	24	8.4	T.	0.0
Medford	1,425	4					41.2		58	5	49	22	31	33	25				2.17		16		nw.				3	20	8		0.0	0.0
Portland, Oreg.	153	68	105	29.99	30.15	+ .07	45.4	+6.3	59	4	50	24	31	41	14	43	40	80	4.68	−1.8	22	4,737	sw.	29	e.	31	0	9	22	8.2	0.0	0.0
Roseburg	510	9	57	29.64	30.21	+ .11	45.8	+5.0	61	17	51	27	31	40	19	44	41	85	3.56	−2.1	18	1,869	s.	18	s.	14	1	20	10	6.5	0.0	0.0
Middle Pacific Coast Region.							49.2	+1.9										70	1.13	−3.6										4.3		
Eureka	62	73	89	30.14	30.21	+0.11	48.4	+1.5	63	3	54	33	31	43	19	47	45	87	2.55	−5.1	17	5,059	se.	44	n.	25	8	8	15	6.0	0.0	0.0
Mount Tamalpais	2,375	11	18	27.62	30.11	.00	47.6	+1.7	67	1	53	36	31	42	20	42	35	61	1.06	−4.9	5	17,104	n.	80	nw.	29	18	7	6	3.7	0.0	0.0
Point Reyes Light	490	7	18	29.57	30.09		51.0	+1.6	65	1	55	42	31	47	20				0.82		4	14,134	nw.	70	nw.	25	15	10	6	4.1	0.0	0.0
Red Bluff	332	50	56	29.79	30.16	+ .04	47.8	+2.4	73	23	55	30	21	40	31	42	33	64	0.67	−3.3	3	4,164	n.	33	n.	25	16	4	11	4.6	0.0	0.0
Sacramento	69	106	117	30.07	30.15	+ .03	47.5	+1.9	67	27	56	32	30	39	30	42	35	66	0.97	−2.7	2	4,983	nw.	37	nw.	9	13	7	11	5.2	0.0	0.0
San Francisco	155	209	213	29.96	30.13	+ .02	52.7	+3.2	64	28	59	41	2	46	20	47	41	70	0.81	−3.5	3	4,585	n.	27	ne.	20	20	6	5	2.7	0.0	0.0
San Jose	141	12	110	29.97	30.20		49.4	+1.2	70	24	60	28	31	38	34				0.70	−2.2	4	3,950	nw.	31	nw.	26	16	9	6	4.1	0.0	0.0
South Pacific Coast Region.							52.6	+1.7										67	0.79	−2.0										3.8		
Fresno	327	89	98	29.77	30.14	+0.04	46.4	+1.0	68	24	56	30	10	37	32	41	35	67	0.47	−1.1	2	3,405	nw.	18	nw.	7	15	5	11	5.0	0.0	0.0
Los Angeles	338	159	191	29.67	30.04	− .04	55.7	+2.6	82	1	65	42	2	46	33	48	41	65	0.50	−2.3	4	4,165	ne.	32	nw.	9	17	8	6	3.8	0.0	0.0
San Diego	87	62	70	29.93	30.03	− .04	54.4	+0.4	69	24	62	39	21	47	25	49	43	71	1.64	−0.4	5	3,982	e.	38	s.	24	18	8	5	3.2	0.0	0.0
San Luis Obispo	201	32	40	29.88	30.10	+ .01	53.8	+2.7	84	1	66	31	28	42	45	47	41	65	0.55	−4.2	3	3,267	nw.	20	n.	3	18	9	7	3.3	0.0	0.0
West Indies.																																
San Juan, P. R.	82	8	54	29.93	30.02	0.00	73.8		84	3	80	64	7	68	17				1.26	−3.4	16	9,223	e.	34	e.	27	11	18	2	4.4	0.0	0.0
Panama Canal.																																
Balboa Heights	118	7	97	29.74	29.86		78.4		90	26	86	66	6	71	20	72	71	88	1.78	+0.8	7	6,254	nw.	27	n.	13	7	22	2	4.5	0.0	0.0
Colon	36	30	97	29.84	29.88		78.0		84	26	81	70	2	75	9	74	73	84	3.28	−0.6	12	9,462	ne.	35	nw.	8	5	23	3	4.9	0.0	0.0
Alaska.																																
Juneau	80	11	49				30.1		46	3	34	10	30	26	17	28	25	80	8.63		24	3,240	se.	27	ne.	16	2	2	27	8.8	36.3	11.6

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, 1918, 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.	21			0.51														0.10			
Albany, N. Y.	12			0.96														*			
Alpena, Mich.	11-12			0.46														*			
Amarillo, Tex.	10			0.48														*			
Anniston, Ala.	28	7:28 a. m.	2:15 p. m.	0.76	8:04 a. m.	8:26 a. m.	0.01	0.31	0.41	0.52	0.62	0.64									
Asheville, N. C.	30			0.64														0.23			
Atlanta, Ga.	28			1.80														0.57			
Atlantic City, N. J.	15			1.24														0.53			
Augusta, Ga.	28			0.89														0.25			
Baker, Oreg.	10-11			0.84														*			
Baltimore, Md.	11-12			1.83														*			
Bentonville, Ark.	10-11			0.85														*			
Binghamton, N. Y.	11-12			0.95														*			
Birmingham, Ala.	10-11	10:45 p. m.	8:52 a. m.	1.81	6:01 a. m.	6:37 a. m.	1.07	0.18	0.22	0.33	0.41	0.52	0.61	0.70	0.73						
	28	D. N. a. m.	1:20 p. m.	1.37	6:12 a. m.	6:59 a. m.	0.04	0.19	0.37	0.48	0.57	0.67	0.82	0.87	0.88	0.99	1.04				
Bismarck, N. Dak.	7-8			0.22														*			
Block Island, R. I.	15			0.86														0.28			
Boise, Idaho.	11-12			0.62														*			
Boston, Mass.	15			0.86														0.27			
Buffalo, N. Y.	15			1.15														*			
Burlington, Vt.	15			0.84														*			
Cairo, Ill.	10-11			0.94														*			
Canton, N. Y.	7-8			0.53														*			
Charles City, Iowa.	26			0.19														*			
Charleston, S. C.	31			0.17														0.15			
Charlotte, N. C.	14-15			0.89														0.40			
Chattanooga, Tenn.	28			0.95														0.36			
Cheyenne, Wyo.	18-19			0.16														*			
Chicago, Ill.	6			1.44														*			
Cincinnati, Ohio.	6			0.90														0.29			
Cleveland, Ohio.	14-15			0.70														*			
Columbia, Mo.	5-6			0.38														*			
Columbia, S. C.	14-15			0.48														0.35			
Columbus, Ohio.	6			0.68														*			
Concord, N. H.	15			0.65														*			
Concordia, Kans.	9-10			0.71														*			
Corpus Christi, Tex.	11			0.05														0.02			
Dallas, Tex.	14			0.75														0.38			
Davenport, Iowa.	6			0.70														*			
Dayton, Ohio.	5-6			1.17														*			
Del Rio, Tex.	10			0.03														*			
Denver, Colo.	26			0.20														*			
Des Moines, Iowa.	27			0.32														*			
Detroit, Mich.	6-7			0.73														*			
Devils Lake, N. Dak.	4			0.08														*			
Dodge City, Kans.	9-10			0.67														*			
Drexel, Nebr.	26-27			0.18														*			
Dubuque, Iowa.	5-6			0.72														*			
Duluth, Minn.	1			0.48														*			
Eastport, Me.	3-4			1.00														*			
Elkins, W. Va.	26			0.74														0.22			
Ellendale, N. Dak.	23			0.12														*			
El Paso, Tex.	9-10			0.70														*			
Erie, Pa.	15			0.46														*			
Escanaba, Mich.	11-12			0.23														*			
Eureka, Cal.	12			1.16														0.32			
Evansville, Ind.	14-15			1.96														*			
Flagstaff, Ariz.	26			0.69														*			
Fort Smith, Ariz.	14			0.75														*			
Fort Wayne, Ind.	1-2			0.68														*			
Fort Worth, Tex.	14			0.69														0.50			
Fresno, Cal.	12			0.43														0.18			
Galveston, Tex.	14			0.21														0.20			
Grand Haven, Mich.	6-7			0.81														*			
Grand Junction, Colo.	5-6			0.26														*			
Grand Rapids, Mich.	6-7			1.02														*			
Green Bay, Wis.	6-7			0.68														*			
Greenville, S. C.	11			2.67														0.46			
Hannibal, Mo.	10-11			0.28														*			
Harrisburg, Pa.	14-15			1.60														*			
Hartford, Conn.	11-12			1.25														*			
Hatteras, N. C.	17-18			0.33														*			
Havre, Mont.	17-18			0.33														*			
Helena, Mont.	28-29			0.25														*			
Houghton, Mich.	12-13			0.43														*			
Houston, Tex.	29			0.33														*			
Huron, S. Dak.	8			0.19														*			
Independence, Cal.	25			0.06														*			
Indianapolis, Ind.	11			0.87														*			
Iola, Kans.	27			0.31														*			
Jacksonville, Fla.	15			0.45														0.44			
Kalispell, Mont.	19			0.25														*			
Kansas City, Mo.	10-11			0.34														*			
Keokuk, Iowa.	27			0.27														*			
Key West, Fla.	7			0.56														0.41			
Knoxville, Tenn.	27			0.37														0.28			
La Crosse, Wis.	5-6			0.39														*			
Lander, Wyo.	18-19			0.47														*			
Lansing, Mich.	6-7			0.73														*			
Lewiston, Idaho.	11			0.63														*			
Lexington, Ky.	14			1.20														0.24			
Lincoln, Nebr.	27-28			0.33														*			
Little Rock, Ark.	5			0.90														0.89			
Los Angeles, Cal.	26			0.32														0.08			
Louisville, Ky.	14			1.22														*			
Ludington, Mich.	6-7			0.97														*			
Lynchburg, Va.	15			0.38														0.15			
Macon, Ga.	11	11:50 a. m.	5:35 p. m.	1.67	3:30 p. m.	5:13 p. m.	0.11	0.10	0.18	0.45	0.57	0.62	0.69	0.70	0.71	0.73	0.78	1.04	1.22	1.47	1.56
Madison, Wis.	5-6			0.56														*			
Marquette, Mich.	18-19			1.28														*			

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

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, 1918, 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.
Memphis, Tenn.	5			0.68														0.43			
Meridian, Miss.	5-6	D. N. p. m.	5:30 a. m.	1.24	11:53 p. m.	12:07 a. m.	0.02	0.14	0.45	0.57	0.26	0.33	0.43	0.50	0.72	0.93	0.97	1.13			
	10-11	D. N. p. m.	5:20 a. m.	1.57	3:12 a. m.	4:09 a. m.	0.37	0.09	0.22	0.25											
Miami, Fla.	6			0.33														0.33			
Milwaukee, Wis.	6			1.83														*			
Minneapolis, Minn.	29-30			0.10														*			
Mobile, Ala.	11			0.86														0.46			
Modena, Utah	25-26			0.09														*			
Montgomery, Ala.	6	D. N. a. m.	5:45 a. m.	1.02	3:08 a. m.	3:29 a. m.	0.17	0.23	0.45	0.50	0.57	0.62									
	10-11	D. N. p. m.	11:05 a. m.	2.67	7:52 a. m.	8:29 a. m.	0.41	0.32	0.38	0.55	0.65	0.70	0.76	0.82	0.90						
					9:35 a. m.	10:22 a. m.	1.48	0.16	0.35	0.49	0.61	0.64	0.66	0.72	0.85	1.06	1.10				
	11	11:55 a. m.	1:34 p. m.	0.89	12:53 p. m.	1:18 p. m.	0.17	0.16	0.34	0.45	0.55	0.68									
Moorhead, Minn.	23			0.19														*			
Mount Tamalpais, Cal.	12			0.57														0.17			
Nantucket, Mass.	7			0.54														0.32			
Nashville, Tenn.	27			2.88														0.41			
New Haven, Conn.	11-12			1.11														*			
New Orleans, La.	14	12:40 p. m.	3:15 p. m.	0.85	2:05 p. m.	2:46 p. m.	0.03	0.05	0.15	0.20	0.24	0.29	0.47	0.52	0.74	0.77					
New York, N. Y.	15			0.78														0.35			
Norfolk, Va.	29			0.33														0.17			
Northfield, Vt.	15			0.82														*			
North Head, Wash.	15			1.35														0.34			
North Platte, Nebr.	9-10			0.23														*			
Oklahoma, Okla.	10			0.61														*			
Omaha, Nebr.	27			0.24														*			
Oswego, N. Y.	11-12			0.60														*			
Palestine, Tex.	14			0.72														0.45			
Parkersburg, W. Va.	15			0.23														0.11			
Pensacola, Fla.	14	11:40 a. m.	7:12 p. m.	0.92	5:58 p. m.	6:11 p. m.	0.06	0.33	0.65	0.80											
Peoria, Ill.	6			0.97														*			
Philadelphia, Pa.	15			0.96														*			
Phoenix, Ariz.	25			0.71														0.23			
Pierre, S. Dak.	25-26			0.46														*			
Pittsburgh, Pa.	14-15			0.87														*			
Pocatello, Idaho	30			0.36														*			
Point Reyes Light, Cal.	12			0.28														0.19			
Port Angeles, Wash.	17-18			0.61														*			
Port Huron, Mich.	11-12			0.66														*			
Portland, Me.	15			2.07														0.41			
Portland, Oreg.	17			0.47														0.24			
Providence, R. I.	12			1.01														*			
Pueblo, Colo.	13			0.28														*			
Raleigh, N. C.	21-22			1.12														*			
Rapid City, S. Dak.	25-26			0.64														*			
Reading, Pa.	11-12			1.65														*			
Red Bluff, Cal.	14			0.40														0.17			
Reno, Nev.	8			0.16														*			
Richmond, Va.	11-12			1.35														*			
Rochester, N. Y.	6-7			0.73														*			
Roseburg, Oreg.	8			0.42														0.26			
Roswell, N. Mex.	19-20			0.53														*			
Sacramento, Cal.	12			0.75														0.29			
Saginaw, Mich.	11-12			0.70														*			
St. Joseph, Mo.	27			0.45														*			
St. Louis, Mo.	5-6			0.50														*			
St. Paul, Minn.	29-30			0.11														*			
Salt Lake City, Utah	12			1.13														*			
San Antonio, Tex.	10			0.10														*			
San Diego, Cal.	26			0.76														0.26			
Sand Key, Fla.	7			0.48														0.37			
Sandusky, Ohio	14-15			0.50														*			
Sandy Hook, N. J.	15			1.20														0.62			
San Francisco, Cal.	14			0.45														0.26			
San Jose, Cal.	12			0.47														*			
San Luis Obispo, Cal.	12			0.44														0.20			
Santa Fe, N. Mex.	26-27			0.53														*			
Sault Ste. Marie, Mich.	11-12			0.17														*			
Savannah, Ga.	6			0.16														0.14			
Scranton, Pa.	14-15			1.72														*			
Seattle, Wash.	15			0.20														0.16			
Sheridan, Wyo.	18			0.67														*			
Shreveport, La.	14			0.63														0.58			
Sioux City, Iowa	25-26			0.64														*			
Spokane, Wash.	6-7			0.56														*			
Springfield, Ill.	5-6			0.94														*			
Springfield, Mo.	10-11			0.69														*			
Syracuse, N. Y.	15			1.33														*			
Tacoma, Wash.	17			0.51														0.21			
Tampa, Fla.	6	10:50 a. m.	3:20 p. m.	1.53	11:32 a. m.	12:32 p. m.	0.07	0.15	0.21	0.31	0.34	0.39	0.45	0.49	0.52	0.55	0.63	1.00			
Tatoosh Island, Wash.	4			1.26														0.52			
Taylor, Tex.	10-11			0.36														*			
Terre Haute, Ind.	5-6			0.77														*			
Thomasville, Ga.	14	5:36 p. m.	D. N. p. m.	1.13	9:52 p. m.	10:16 p. m.	0.24	0.32	0.59	0.64	0.69	0.76									
Toledo, Ohio	6			1.24														*			
Tonopah, Nev.	14			0.14														*			
Topeka, Kans.	10			0.28														*			
Trenton, N. J.	15			0.72														*			
Valentine, Nebr.	25-26			0.45														*			
Vicksburg, Miss.	5	6:35 p. m.	10:00 p. m.	1.00	7:48 p. m.	8:03 p. m.	0.04	0.36	0.64	0.74											
	27-28	9:12 p. m.	D. N. a. m.	1.51	10:56 p. m.	11:21 p. m.	0.20	0.12	0.24	0.52	0.73	0.85									
Walla Walla, Wash.	6-7			0.54														*			
Washington, D. C.	26			0.34														*			
Wausau, Wis.	1			0.44														*			
Wichita, Kans.	10			0.68														*			
Williston, N. Dak.	7			0.18														*			
Wilmington, N. C.	15			0.44														0.38			
Winnemucca, Nev.	12			0.33														0.17			
Wytheville, Va.	11			1.15														*			
Yankton, S. Dak.	25-26			0.57														*			
Yellowstone Park, Wyo.	25			0.24														*			

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

TABLE III.—*Data furnished by the Canadian Meteorological Service, January, 1918.*

Stations.	Altitude 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	29.34	29.48	−0.38	29.4	+ 5.6	34.0	24.8	46	10	4.58	−1.33	15.0
Sydney, C. B. I.	48	29.62	29.66	−0.27	21.8	+ 1.3	30.6	13.0	43	−10	5.97	+0.87	26.5
Halifax, N. S.	88	29.58	29.69	− .28	20.9	− 0.9	29.0	12.8	41	− 8	3.59	−2.18	15.1
Yarmouth, N. S.	65	29.63	29.70	− .30	22.0	− 4.3	27.7	16.3	41	4	3.41	−2.00	22.9
Charlottetown, P. E. I.	38	29.62	29.66	− .30	16.5	− 0.5	23.0	10.1	42	− 9	2.78	−1.18	13.4
Chatham, N. B.	28	29.69	29.72	−0.25	11.1	+ 1.3	20.8	1.3	48	−26	3.78	+0.19	34.6
Father Point, Que.	20	29.57	29.60	− .38	8.2	+ 0.2	14.0	2.4	31	−14	2.49	−0.36	24.9
Quebec, Que.	296	29.47	29.81	− .21	6.1	− 3.0	13.2	− 1.0	34	−23	3.11	−0.90	31.1
Montreal, Que.	187	29.64	29.87	− .17	7.6	− 4.1	13.5	1.8	34	−19	3.40	−0.33	34.0
Stonecliffe, Ont.	489	29.23	29.88	− .14	2.7	− 3.7	11.5	− 6.1	22	−36	1.82	−0.50	18.2
Ottawa, Ont.	236	29.60	29.88	−0.15	5.8	− 3.8	14.9	− 3.3	29	−26	3.17	+0.18	31.7
Kingston, Ont.	285	29.57	29.91	− .14	8.7	− 8.4	17.7	− 0.3	35	−16	1.86	−1.59	18.4
Toronto, Ont.	379	29.47	29.91	− .14	13.2	− 8.2	20.4	6.0	33	− 8	2.30	−0.62	23.0
White River, Ont.	1,244	28.46	29.86	− .15	− 5.8	− 5.4	6.8	−18.4	19	−52	1.61	−0.08	16.1
Port Stanley, Ont.	592	29.26	29.94	− .13	12.5	− 9.7	20.0	5.0	35	− 8	2.49	−0.50	22.5
Southampton, Ont.	656	29.10	.....	.....	9.2	−11.2	16.9	1.5	32	−13	4.29	+0.24	42.9
Parry Sound, Ont.	688	29.14	29.88	−0.13	5.0	− 8.8	14.3	− 4.2	25	−20	6.90	+2.82	69.0
Port Arthur, Ont.	644	29.19	29.95	− .12	2.0	− 1.1	10.7	− 6.6	28	−30	0.34	−0.48	3.4
Winnipeg, Man.	760	29.19	30.10	− .01	− 5.2	+ 1.6	2.0	−12.5	22	−37	0.81	−0.07	8.1
Minnedosa, Man.	1,690	28.13	30.07	− .03	− 5.0	+ 2.2	4.6	−14.5	32	−43	0.42	−0.38	4.2
Qu'Appelle, Sask.	2,115	27.68	30.09	+0.01	− 4.0	− 0.2	4.9	−13.0	41	−36	1.09	+0.59	10.9
Medicine Hat, Alberta	2,144	27.67	30.06	− .01	9.8	+ 4.3	19.3	0.4	48	−42	1.81	+1.24	18.1
Swift Current, Sask.	2,392	27.36	30.10	+ .01	4.1	+ 1.0	13.4	− 5.3	50	−36	0.96	+0.32	9.6
Calgary, Alberta	3,428	26.36	30.08	+ .05	13.0	+ 4.6	24.5	1.6	54	−24	0.30	−0.23	3.0
Banff, Alberta	4,521	25.28	30.07	+ .07	14.6	+ 2.5	23.4	5.9	48	−40	0.88	−0.31	7.9
Edmonton, Alberta	2,150	27.65	30.07	+0.04	5.3	+ 3.5	15.1	− 4.5	44	−43	1.44	+0.76	14.4
Prince Albert, Sask.	1,450	28.49	30.17	+ .08	− 6.0	+ 2.4	3.5	−15.5	40	−46	0.91	−0.06	9.1
Battleford, Sask.	1,592	28.28	30.15	+ .07	− 4.7	+ 1.2	4.7	−14.1	43	−46	1.51	+1.11	14.9
Kamloops, B. C.	1,262	28.82	30.16	+ .20	25.2	+ 2.2	29.5	20.9	43	−14	1.87	+1.05	16.5
Victoria, B. C.	230	29.82	30.08	+ .11	42.0	+ 3.5	45.8	38.3	56	23	4.05	−1.34	T.
Barkerville, B. C.	4,180	25.60	30.02	+0.13	19.2	+ 1.4	25.5	13.0	40	22	7.65	+5.05	64.0
Hamilton, Bermuda	151	29.82	29.99	− .14	61.4	− 0.6	66.5	56.3	72	51	3.80	−1.14	0.0

* See description of Table III given on p. 48.