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 successive 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.

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 sea level 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 sea level and prevailing wind directions. The pressures have been reduced to sea level and standard gravity by the method described by Prof. Frank H. Bigelow on pages 13–16 of the REVIEW for January, 1902. The pressures have also been reduced to the mean of the 24 hours by the application of a suitable correction to the mean of the 8 a. m. and 8 p. m. readings at stations taking two observations daily, and to the 8 a. m. or the 8 p. m. 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 sea-level plane have been constructed by means of the data summarized in chapter 8 of volume 2 of the annual report just mentioned. The correction, t_0–t or temperature on the sea-level plane minus the station temperature as given by Table 48 of that report, is added to the observed surface temperature to obtain the adopted sea-level temperature.

The prevailing wind directions are determined from hourly observations at the great majority of the stations; a few stations having no self-recording wind-direction apparatus determine the prevailing direction from the daily or twice-daily observations only.

Chart 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.*

[Charts XLIV-93 to XLIV-112, accompanying Henry's report on July floods, p. 466.]

TABLE I.—*Climatological data for Weather Bureau Stations, August, 1916.*

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.	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.							68.4	+ 1.5										81	1.87	− 2.0										4.4		
Eastport	76	67	85	29.87	29.95	−0.0	60.2	+ 0.5	80	21	69	47	14	52	28	56	54	84	1.82	− 1.4	9	5,6[illegible]9	s.	23	nw.	14	12	9	10	5.2		
Greenville	1,070	6					65.[illegible]		91	20	77	40	2	54	36				2.95		12											
Portland, Me.	103	8[illegible]	11[illegible]	29.[illegible]6	.9 98	.0	66.4	+ 0.[illegible]	80	8	74	49	29	58	28	61	58	76	2.14	− 1.4	10	6,17[illegible]	s.	25	sw.	23	16	8	[illegible]	4.1		
Concord	288	70	79	29.6	29.9[illegible]	− .0	68.[illegible]	+ 2.1	94	21	81	44	29	57	36				3.45	− 0.3	8	3,059	s.	21	w.	14	18	9	4	3.4		
Burlington	404	11	48	29.54	29.96	− .0	69.1	+ 3.0	94	20	80	47	29	59	34				1.06	− 3.0	8	7,247	s.	32	nw.	13	14	10	7	4.5		
Northfield	876	12	60	29.06	29.99	+ .0	65.[illegible]	+ 2.3	92	2	78	40	29	5	38	60	58	82	1.94	− 2.0	12	3,998	s.	28	sw.	26	11	10	10	4.9		
Boston	1.5	115	188	29.85	29.98	− .0	71.8	+ 2.9	95	8	80	54	29	64	25	65	62	77	2.19	− 1.8	9	6,733	sw.	26	w.	14	18	7	6	3.9		
Nantucket	12	14	90	29.9[illegible]	29.98	− .0	67.3	− 0.7	80	[illegible]	74	57	13	61	19	61	62	90	1.05	− 2.0	5	9,974	sw.	36	ne.	11	16	11	4	4.[illegible]		
Block Island	26	11	46	29.96	29.99	.0	68.8	+ 0.1	81	2[illegible]	74	55	29	63	17	65	64	89	0.57	− 2.9	7	9,617	sw.	36	ne.	10	12	9	10	4.9		
Narragansett Pier		9					68.7	+ 0.2	86	6	77	49	29	6	29				1.50		8		s.				21	4	6			
Providence	160	215	251	29.81	29.98	− .0	70.8	− 0.2	91	8	80	50	29	61	34	65	62	78	0.78	− 3.3	8	7,275	sw.	46	nw.	8	12	13	6	4.4		
Hartford	159	122	140	29.81	29.9[illegible]	− .0	72.0	+ 3.1	91	8	82	48	29	62	33	65	62	78	3.44	− 1.1	7	5,007	s.	32	nw.	23	11	11	9	5.2		
New Haven	106	117	155	29.87	29.98	− .01	72.0	+ 1.9	94	22	81	50	29	63	27	65	61	73	2.11	− 2.9	9	5,571	s.	36	sw.	8	14	11	6	4.[illegible]		
Middle Atlantic States.							74.1	+ 1.3										75	2.20	− 2.2										4.5		
Albany	97	102	115	29.87	29.97	−0.0	72.4	+ 2.9	98	21	82	48	29	6[illegible]	30	64	60	71	2.32	− 1.6	10	4,927	s.	24	ne.	1	16	12	3	3.4		
Binghamton	871	10	69	29.08	29.99	.0	70.8	+ 3.3	90	22	83	45	29	59	34				2.80	− 0.4	7	2,501	nw.	21	nw.	13	12	15	4	4.5		
New York	314	414	454	29.66	29.99	− .0	73.6	+ 1.4	94	22	83	55	28	66	24	66	62	73	0.59	− 3.9	7	9,245	s.	45	nw.	8	12	13	6	4.7		
Harrisburg	374	94	104	29.6	30.01	.0	74.6	+ 2.5	97	21	84	54	29	65	28	66	62	72	2.34	− 1.9	8	3,731	sw.	27	nw.	8	11	15	5	4.8		
Philadelphia	117	123	190	29.89	30.01	+ .0	76.4	+ 2.6	97	22	85	57	29	68	26	68	64	70	0.94	− 3.7	7	6,090	sw.	30	n.	28	12	16	3	3.9		
Reading	3[illegible]5	81	98	29.67	30.01		74.6		98	22	85	52	29	64	30	66	63	72	1.56	− 2.9	7	3,777	sw.	27	n.	13	13	11	7	4.6		
Scranton	805	111	119	29.16	30.01	+ .0	71.8	+ 2.5	98	22	84	46	29	60	33	64	60	70	0.67	− 3.6	8	4,030	sw.	34	w.	23	13	16	2	4.1		
Atlantic City	52	37	48	29.95	30.00	.0	73.2	+ 0.6	91	12	79	54	11	67	28	68	65	78	1.21	− 3.1	7	5,3[illegible]6	sw.	18	n.	28	13	10	8	4.8		
Cape May	18	13	49	30.01	30.03	+ .03	73.9	+ 0.5	95	22	82	56	29	66	29				1.03	− 3.2	7	5,155	s.	21	nw.	8	14	14	3	3.7		
Sandy Hook	22	10	57	29.97	29.99		74.0		92	8	81	60	14	67	21	67	65	80	1.16		6	9,265	s.	47	n.	28	13	13	5	4.4		
Trenton	190	159	183	29.79	29.99		74.0		97	22	84	53	29	64	33	66	63	76	1.25	− 4.1	6	6,520	s.	37	nw.	23	14	8	9	4.9		
Baltimore	123	100	113	29.88	30.00	− .01	76.8	+ 2.1	98	22	85	59	29	69	24	68	64	69	0.83	− 3.4	6	4,292	s.	26	nw.	27	14	12	5	4.3		
Washington	112	62	85	29.88	30.00	− .01	75.2	+ 0.7	97	22	85	56	14	65	31	68	66	78	2.83	− 1.6	8	3,245	sw.	52	nw.	27	14	9	8	4.5		
Lynchburg	681	153	188	29.29	30.02	.00	75.3	+ 0.5	93	22	83	55	14	66	29	68	66	79	2.69	− 1.6	14	3,394	w.	37	ne.	21	14	11	6	4.8		
Norfolk	91	170	205	29.92	30.01	+ .01	76.9	+ 0.2	93	12	84	65	31	70	23	69	66	75	2.99	− 3.0	8	7,575	sw.	53	nw.	23	11	13	7	4.8		
Richmond	144	11	52	29.86	30.01	.00	76.1	− 1.4	92	8	86	57	14	66	29	69	67	79	1.55	− 2.9	11	4,328	s.	26	n.	23	14	11	6	4.2		
Wytheville	2,293	49	55	27.73	30.03	+ .02	70.5	0.0	87	6	80	50	25	61	31	65	64	89	9.53	+ 5.0	16	3,251	w.	23	w.	22	7	15	9	5.5		
South Atlantic States.							79.1	+ 1.3										81	4.25	− 1.0										5.1		
Asheville	2,255	70	84	27.76	30.04	+0.0[illegible]	72.6	+ 2.1	87	6	82	56	21	64	30	66	65	87	2.80	− 2.6	15	3,820	nw.	31	e.	1	3	19	9	6.5		
Charlotte	773	153	161	29.21	30.03	+ .01	77.6	+ 1.0	93	11	87	60	29	69	23	70	68	81	2.70	− 2.8	10	5,647	ne.	38	n.	16	8	16	7	5.2		
Hatteras	11	12	50	30.00	30.01	+ .01	77.8	− 0.4	89	12	82	66	29	73	14	73	72	84	4.54	− 1.3	13	9,500	sw.	47	nw.	16	11	11	9	5.2		
Manteo	12	4	46				77.0		90	13	84	60	15	70					3.87	− 2.1	8		sw.				20	5	6			
Raleigh	376	103	110	29.63	30.01	.00	77.8	+ 1.0	94	1[illegible]	87	63	29	69	26	70	68	79	6.10	+ 0.2	12	4,467	sw.	36	nw.	23	12	14	5	4.5		
Wilmington	78	81	91	29.95	30.03	+ .03	79.0	+ 1.4	95	16	88	64	20	71	21	73	72	84	2.36	− 4.[illegible]	11	4,644	sw.	22	w.	11	11	14	6	4.8		
Charleston	48	11	92	29.98	30.03	+ .0	81.8	+ 1.5	97	1[illegible]	88	71	30	76	18	75	73	79	3.10	− 3.9	9	6,496	sw.	31	ne.	25	16	10	5	4.1		
Columbia, S. C.	351	41	57	29.66	30.03	+ .0[illegible]	80.2	+ 0.7	95	16	89	64	31	71	24	72	69	77	4.87	− 1.9	8	4,286	ne.	26	s.	23	11	12	8	5.2		
Augusta	180	62	77	29.83	30.0[illegible]	+ .01	81.1	+ 2.2	97	17	90	65	21	73	25	73	71	78	2.20	− 3.[illegible]	8	3,277	se.	44	nw.	13	9	13	9	5.5		
Savannah	65	150	194	29.96	30.0[illegible]	+ .0	81.5	+ 2.1	97	17	90	68	21	73	27	74	73	83	7.49	0.0	11	6,840	sw.	48	e.	28	11	15	5	5.0		
Jacksonville	43	200	245	30.00	30.01	+ .03	81.6	+ 1.5	95	17	90	70	20	74	21	74	72	80	6.76	+ 0.6	15	6,986	s.	52	s.	11	8	17	6	4.8		
Florida Peninsula.							81.6	− 0.3										78	7.97	+ 1.0										5.3		
Key West	22	10	64	29.98	30.00	+ .02	82.5	− 1.3	91	18	88	71	31	77	19	76	74	76	5.04	+ 0.4	12	7,315	e.	36	e.	3[illegible]	15	9	7	4.6		
Miami	25	71	79	30.01	30.04		80.6	− 1.4	91	18	85	70	6	76	15	76	74	79	10.10	+ 2.5	16	6,513	e.	40	s.	25	10	9	12	6.0		
Sand Key	23	39	72	29.95	29.98	.00	82.2		89	24	85	71	2	80	15	77	75	79	2.45		9	10,411	e.	50	se.	1	15	9	7	4.7		
Tampa	35	79	96	30.00	30.04	+ .04	81.7	+ 1.7	95	17	90	69	1	73	22	74	72	79	8.76	+ 0.2	13	3,976	ne.	28	n.	18	5	16	10	5.9		
East Gulf States.							80.4	+ 1.2										79	3.59	− 1.2										4.9		
Atlanta	1,174	190	216	28.84	30.05	+0.04	78.0	+ 1.9	91	17	86	60	25	70	24	70	67	75	3.61	− 0.[illegible]	11	5,669	nw.	44	nw.	13	13	9	9	5.1		
Macon	370	78	87	29.64	30.03	+ .02	80.4	+ 2.2	96	17	90	64	22	71	28	72	70	77	1.66	− 2.[illegible]	7	3,155	n.	24	sw.	8	13	10	8	5.1		
Thomasville	273	49	58	29.74	30.03	+ .03	81.0	0.0	98	17	90	67	21	72	23	73	71	79	1.01	− 4.[illegible]	10	2,647	w.	21	ne.	18	10	13	8	5.3		
Pensacola	56	140	182	29.97	30.02	+ .04	81.0	0.0	92	15	87	69	28	75	21	75	72	80	6.53	− 0.[illegible]	7	7,526	sw.	52	sw.	8	7	15	9	5.6		
Anniston	741	9	57	29.28	30.06	+ .07	78.1	+ 1.7	94	18	88	54	25	68	29				3.6[illegible]	− 0.[illegible]	12	2,492	se.	27	w.	13	17	14	0	3.3		
Birmingham	700	11	48	29.30	30.06	+ .07	79.2	− 0.6	93	17	88	57	25	70	29	71	69	80	3.5[illegible]	− 1.[illegible]	8	3,102	sw.	21	s.	4	8	15	8	5.3		
Mobile	57	125	161	29.96	30.02	+ .04	82.0	+ 2.3	95	18	90	68	26	74	23	74	72	79	5.46	− 1.4	11	5,545	sw.	63	ne.	6	13	11	7	4.5		
Montgomery	223	100	112	29.79	30.03	+ .01	80.7	+ 1.0	96	17	90	65	25	72	26	73	70	7[illegible]	3.28	− 1.[illegible]	13	3,559	sw.	36	ne.	6	10	16	5	4.8		
Corinth	469	6					80.0		98	18	91	54	30	69	34				4.4[illegible]		11						4	25	2			
Jackson	304	5					81.4		98	19	92	58	25	71	30				4.28		11		s.				12	15	4			
Meridian	375	85	93	29.63	30.01	+ .03	80.0	+ 1.5	96	18	89	59	25	71	28	73	71	7[illegible]	2.97	− 0.[illegible]	7	2,619	sw.	21	se.	4	10	17	4	4.5		
Vicksburg	247	65	74	29.76	30.04	+ .06	80.8	+ 1.2	95	18	89	65	25	72	22	74	72	83	3.66	+ 0.1	9	3,540	se.	24	w.	9	10	12	9	5.3		
New Orleans	51	76	84	29.96	30.00	+ .02	83.4	+ 2.4	94	27	90	71	21	77	17	76	74	80	4.89	− 0.7	14	3,775	se.	23	se.	21	12	11	8	5.3		
West Gulf States.							82.4	+ 1.3										73	3.0[illegible]	± 0.[illegible]										4.8		
Shreveport	249	77	93	29.74	30.00	+0.03	83.2	+ 1.8	101	19	93	65	25	73	27	73	70	72	0.5[illegible]	− 1.7	4	4,300	s.	26	se.	23	17	11	3	3.6		
Bentonville	1,303	11	44	28.66	29.99	+ .02	79.6	+ 3.1	99	13	92	52	24	68	38				3.42	− 0.6	11	1,098	sw.	11	w.	13	18	12	1	3.3		
Fort Smith	457	79	94	29.50	29.96	− .01	85.2	+ 5.8	103	13	96	61	24	74	33	72	66	6[illegible]	0.23	− 3.4	5	4,811	e.	26	s.	3	11	14	6	4.7		
Little Rock	357	139	147	29.64	30.01	+ .03	81.3	+ 2.1	98	13	91	64	24	72	29	73	71	77	3.5[illegible]	− 0.1	8	5,239	s.	44	ne.	22	15	9	7	4.3		
Brownsville	57	3	40				82.6		95	21	91	71	25	74	22				5.58		9		se.									
Corpus Christi	20	69	77	29.94	29.96	+ .03	82.6	+ 0.5	92	2	88	73	29	77	17	77	75	83	4.84	+ 2.[illegible]	7	8,773	se.	90	e.	18	3	19	9	6.3		
Dallas	512	109	117	29.45	29.98		83.9		100	21	94	66	25	74	27				2.68		5	6,036	se.	34	se.	1	9	19	3	4.8		
Fort Worth	670	106	114	29.26	29.95	+ .01	83.6	+ 0.7	103	21	94	64	24	73	29	70	64	60	3.81	+ 2.[illegible]	5	7,123	s.	42	nw.	22	6	18	7	5.6		
Galveston	54	106	114	29.94	30.00	+ .04	83.0	+ 0.4	92	20	87	72	5	78	13	76	74	77	4.14	− 0.[illegible]	11	7,359	s.	44	se.	18	13	12	6	4.6		
Houston	138	111	121	29.85	29.99		82.0	− 0.9	95	1	90	68	26	74	23				6.66		14	4,916	se.	37	e.	18	4	18	9	5.8		
Palestine	510	64	72	29.46	29.98	+ .01	82.2	+ 1.7	97	20	92	67	17	72	26	73	70	77	1.86	− 0.4	8	4,419	se.	25	s.	14	10	14	7	5.5		
San Antonio	701	119	132	29.24	29.96	+ .03	82.0	0.0	96	12	91	69	29	72	23	73	70	76	5.07	+ 2.4	7	5,805	sw.	56	se.	19	16	12	3	3.8		
Taylor	582	55	63	29.40	30.01	+ .06	81.3	− 0.4	96	22	91	64	28	71	31				2.44	0.0	9	5,255	s.	40	e.	22	5	22	4	5.2		

TABLE I.—*Climatological data for Weather Bureau Stations, August, 1916*—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.	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							76.5	+ 2.1										75	3.23	− 0.2										4.9		
Chattanooga	762	189	213	29.25	30.05	+0.05	78.4	+ 1.9	94	17	87	60	25	70	26	70	68	76	1.41	− 2.3	9	4,235	w.	30	sw.	12	5	17	9	5.9	....	....
Knoxville	936	93	100	29.00	30.03	+ .02	77.0	+ 2.3	90	5	86	56	25	68	27	74	68	81	4.24	+ 0.2	13	2,706	sw	24	nw.	13	5	8	18	6.9	....	....
Memphis	399	76	97	29.62	30.04	+ .06	80.8	+ 1.6	95	18	89	63	30	73	22	73	70	76	2.98	− 0.2	9	4,850	sw.	34	nw.	13	18	4	9	4.2	....	....
Nashville	546	168	191	29.47	30.04	+ .01	78.4	+ 0.6	93	20	88	57	30	69	30	71	68	77	4.27	+ 0.8	11	4,063	w.	37	nw.	12	10	14	7	4.9	....	....
Lexington	989	193	230	29.00	30.04	+ .03	76.0	+ 1.4	93	19	84	54	29	68	23	....	....	....	2.34	− 1.2	10	6,907	sw.	38	w.	11	16	10	5	4.2	....	....
Louisville	525	209	255	29.47	30.04	+ .04	78.2	+ 1.7	95	7	87	55	29	70	27	70	66	72	3.06	− 0.4	10	5,974	sw.	54	nw.	26	10	13	8	4.9	....	....
Evansville	431	139	175	29.56	30.02	+ .03	79.0	+ 2.0	99	19	88	57	29	70	26	72	69	77	4.31	+ 1.1	10	5,704	s.	77	sw.	26	13	13	5	4.4	....	....
Indianapolis	822	194	231	29.18	30.03	+ .03	76.6	+ 3.0	95	20	86	53	14	67	28	67	63	69	2.47	− 0.9	8	5,722	sw.	46	w.	22	13	14	4	4.0	....	....
Terre Haute	575	96	129	29.40	30.00	....	77.5	....	99	20	88	53	29	67	26	69	66	72	3.27	....	6	4,869	sw.	28	nw.	7	7	19	5	5.3	....	....
Cincinnati	628	11	51	29.36	30.02	+ .01	76.3	+ 4.7	96	7	86	52	29	66	30	68	64	72	3.57	+ 0.2	9	3,631	sw.	28	w.	22	12	13	6	4.5	....	....
Columbus	824	173	222	29.17	30.02	+ .01	75.8	+ 2.8	96	21	86	54	14	66	28	67	63	68	3.22	0.0	9	5,427	sw.	32	n.	13	19	9	3	3.3	....	....
Dayton	899	181	2.6	29.07	30.00	....	75.4	+ 1.8	96	20	86	51	29	67	28	67	63	71	3.07	+ 0.1	11	4,875	sw.	42	sw.	22	13	9	9	4.6	....	....
Pittsburgh	842	353	410	29.13	30.01	.00	74.2	+ 1.7	96	21	84	54	14	65	26	65	61	69	4.73	+ 1.6	11	5,634	sw.	40	nw.	7	8	14	9	5.3	....	....
Elkins	1,940	41	50	28.05	30.04	+ .02	70.3	+ 1.5	90	5	82	46	14	58	35	63	62	86	3.13	− 0.5	12	1,867	nw.	21	w.	4	7	8	16	6.0	....	....
Parkersburg	638	77	84	29.39	30.04	+ .03	75.2	+ 1.9	94	21	85	53	29	65	31	68	66	80	2.41	− 1.1	8	2,862	se.	28	nw.	26	10	14	7	5.3	....	....
Lower Lake Region.							72.5	+ 2.9										68	2.29	− 0.7										3.7		
Buffalo	767	217	280	29.18	29.99	0.00	71.6	+ 2.8	91	6	78	54	13	65	39	63	59	67	1.46	− 1.5	6	9,375	sw.	40	w.	12	16	9	6	4.0	....	....
Canton	448	10	61	29.48	29.95	....	69.2	+ 1.4	95	22	81	46	24	57	40	....	....	....	1.84	− 0.8	9	6,180	sw.	31	n.	20	18	7	6	3.3	....	....
Oswego	335	76	91	29.61	29.97	− .02	69.8	+ 1.0	97	22	78	51	29	61	29	63	60	73	1.21	− 1.5	7	5,899	s.	33	ne.	1	16	10	5	3.4	....	....
Rochester	523	97	113	29.41	30.00	+ .01	71.9	+ 3.0	98	22	82	51	29	62	34	63	58	68	3.40	+ 0.4	9	4,944	sw.	25	w.	30	17	6	8	3.7	....	....
Syracuse	597	97	113	27.36	30.00	+ .01	70.8	+ 2.2	97	22	80	50	29	61	32	64	60	72	3.42	+ 0.1	12	6,284	s.	56	sw.	22	13	11	7	4.5	....	....
Erie	714	130	165	29.24	30.00	− .01	72.3	+ 2.4	92	22	81	50	29	64	24	65	61	69	2.69	− 0.6	6	7,898	s.	43	w.	8	12	15	4	4.1	....	....
Cleveland	762	190	201	29.21	30.01	.01	72.4	+ 2.0	91	21	80	50	29	65	26	65	61	68	1.36	− 1.8	4	7,561	s.	48	n.	13	14	14	3	3.8	....	....
Sandusky	629	62	103	29.34	30.01	.01	71.8	+ 3.3	96	7	84	52	29	66	30	66	61	65	2.28	− 1.1	7	6,898	sw.	44	n.	13	14	15	2	3.5	....	....
Toledo	628	203	213	29.35	30.02	+ .02	75.6	+ 4.7	99	20	86	54	28	66	27	65	60	62	2.23	− 0.5	8	7,526	sw.	48	sw.	6	18	13	0	3.0	....	....
Fort Wayne	866	113	134	29.11	30.02	....	74.6	+ 3.5	97	21	85	52	28	64	29	66	61	68	2.10	....	11	4,845	sw.	27	sw.	19	15	11	5	4.1	....	....
Detroit	730	218	245	29.24	30.01	.00	74.6	+ 4.7	96	20	84	55	28	67	26	65	60	67	2.98	+ 0.2	9	6,601	n.	43	ne.	19	16	14	1	3.1	....	....
Upper Lake Region.							69.5	+ 3.2										73	2.66	− 0.3										4.3		
Alpena	609	13	92	29.34	30.00	0.00	67.2	+ 3.4	98	20	78	44	27	56	31	62	59	76	1.61	− 1.7	9	7,069	se.	46	nw.	7	7	22	2	4.5	....	....
Escanaba	612	54	60	29.32	29.98	− .01	66.2	+ 1.7	88	20	76	42	27	57	26	61	57	75	2.13	− 1.5	10	6,224	s.	43	nw.	7	17	6	8	3.7	....	....
Grand Haven	632	54	92	29.33	30.00	+ .01	69.6	+ 1.8	92	21	79	48	27	61	27	64	61	74	5.30	+ 2.7	7	6,070	s.	34	w.	3	19	9	3	3.3	....	....
Grand Rapids	707	70	87	29.26	30.01	+ .01	72.8	+ 2.8	97	21	83	48	27	62	30	65	61	71	4.41	+ 1.8	9	3,284	w.	34	w.	10	13	11	7	4.4	....	....
Houghton	634	62	99	29.24	29.95	− .02	66.3	+ 3.0	95	6	75	45	30	57	36	....	....	....	2.94	+ 0.1	9	6,733	w.	40	s.	2	11	15	5	4.7	....	....
Lansing	878	11	62	29.08	30.01	....	71.0	+ 2.4	98	20	84	41	28	58	38	61	61	77	1.58	− 1.0	8	2,859	sw.	19	w.	3	16	10	5	3.9	....	....
Lacrosse	637	60	66	29.31	30.00	....	68.2	....	89	21	76	48	27	60	21	64	61	76	1.87	....	9	6,255	s.	43	w.	3	17	11	3	3.5	....	....
Marquette	734	77	111	29.19	29.98	.00	66.7	+ 3.2	98	19	77	45	27	56	35	60	55	69	0.99	− 1.9	10	7,579	s.	38	s.	10	8	12	11	5.9	....	....
Port Huron	638	70	120	29.32	30.00	.00	71.6	+ 4.3	96	20	82	49	14	61	31	61	61	72	1.95	− 0.7	11	6,522	sw.	30	n.	11	14	17	0	3.9	....	....
Saginaw	641	48	82	29.32	30.00	....	71.9	....	100	20	84	43	28	59	35	64	60	71	1.25	− 1.6	9	5,111	sw.	31	nw.	3	13	13	5	4.5	....	....
Sault Sainte Marie	614	11	61	29.30	29.98	− .01	65.2	+ 4.6	91	20	75	40	28	55	32	60	57	78	3.18	0.0	10	5,512	nw.	42	w.	7	10	14	7	5.4	....	....
Chicago	823	140	310	29.14	30.01	+ .01	76.6	+ 5.4	97	21	83	57	27	70	24	67	62	66	1.05	− 1.8	5	7,192	ne.	30	n.	4	18	9	4	3.1	....	....
Green Bay	617	109	144	29.32	29.97	− .02	71.4	+ 4.4	96	18	81	46	27	61	30	63	60	72	1.39	− 1.7	7	6,826	sw.	45	n.	2	14	10	7	5.2	....	....
Milwaukee	681	119	133	29.28	30.01	+ .01	73.2	+ 4.5	97	20	81	54	27	65	27	65	61	72	6.03	+ 3.2	7	6,134	sw.	42	ne.	3	15	13	3	3.5	....	....
Duluth	1,133	11	47	28.76	29.96	− .01	65.1	+ 0.2	90	6	75	43	26	55	32	59	55	75	3.37	− 0.2	13	8,761	w.	44	w.	31	10	17	4	4.8	....	....
North Dakota.							66.2	− 0.5										70	2.49	+ 0.2										4.0		
Moorhead	940	8	57	28.96	29.96	0.00	67.2	+ 1.3	95	18	78	42	26	56	37	61	58	80	2.87	− 0.2	11	5,004	se.	24	nw.	10	22	6	3	2.6	....	....
Bismarck	1,674	8	57	28.22	29.97	+ .03	67.4	− 0.7	97	16	80	40	13	54	41	58	53	67	1.97	0.0	11	5,685	nw.	36	s.	8	15	7	9	4.6	....	....
Devils Lake	1,482	11	44	28.37	29.92	− .02	65.6	+ 0.5	93	18	78	39	26	54	36	57	53	69	3.16	+ 0.4	9	6,334	nw.	46	n.	3	12	10	9	5.1	....	....
Grand Forks	835	12	89	....	....	....	65.6	....	95	18	78	34	26	53	40	....	....	....	3.57	....	10	....	nw.	....	....	....	14	14	3	....	....	....
Williston	1,872	41	48	27.98	29.92	− .01	64.8	− 3.1	95	3	78	39	27	52	38	56	50	65	1.95	+ 0.6	8	4,806	se.	42	w.	9	13	15	3	3.9	....	....
Upper Mississippi Valley.							75.6	+ 2.7										71	3.25	+ 0.7										4.3		
Minneapolis	918	10	208	28.98	29.94	....	72.0	....	97	6	82	49	13	62	34	....	....	....	1.66	− 2.0	8	7,586	s.	32	sw.	21	13	11	7	5.1		
St. Paul	837	201	236	29.08	29.97	0.00	71.6	+ 2.1	96	6	82	47	27	62	33	....	....	....	1.60	− 1.9	11	7,394	sw.	38	w.	21	15	13	3	4.0	....	....
La Crosse	714	11	48	29.22	29.98	.00	72.6	+ 2.6	97	18	84	41	27	62	30	....	....	....	4.45	+ 1.0	8	3,125	s.	19	sw.	4	15	8	8	4.1	....	....
Madison	974	70	78	28.99	30.01	+ .02	72.8	+ 3.2	98	20	82	52	27	63	25	64	60	68	4.29	+ 1.0	6	5,549	sw.	30	ne.	4	12	10	9	5.1	....	....
Wausau	1,247	4	....	28.69	30.00	....	68.0	....	95	20	80	37	27	56	36	....	....	....	1.49	....	8	....	se.	....	....	....	15	9	7	4.5	....	....
Charles City	1,015	10	49	28.93	29.99	+ .02	71.8	+ 1.1	97	4	84	43	28	59	36	64	61	72	1.01	− 2.4	8	4,385	se.	27	sw.	21	13	16	2	4.0	....	....
Davenport	606	71	79	29.34	29.99	+ .01	76.9	+ 3.9	98	5	88	50	27	66	27	67	62	65	1.25	− 2.4	6	4,317	sw.	38	sw.	10	15	7	9	4.5	....	....
Des Moines	861	84	97	29.08	29.97	.00	75.8	+ 2.8	102	4	86	49	28	65	32	66	61	65	2.62	− 1.0	5	4,894	s.	35	sw.	21	15	12	4	3.8	....	....
Dubuque	698	81	95	29.28	30.01	+ .03	75.0	+ 3.0	99	20	86	48	27	64	30	65	60	67	1.49	− 1.6	5	3,916	s.	22	s.	3	15	9	7	4.5	....	....
Keokuk	614	64	78	29.34	30.00	+ .02	77.5	+ 2.9	100	4	88	52	28	67	28	69	66	73	4.71	+ 1.5	11	4,060	sw.	37	sw.	7	12	17	2	4.1	....	....
Cairo	356	87	93	29.63	30.00	+ .01	79.4	+ 2.4	96	20	87	59	29	71	22	72	70	79	2.28	− 0.6	6	4,397	s.	30	sw.	22	10	15	6	5.2	....	....
Peoria	609	11	45	29.36	30.02	+ .03	76.0	+ 3.5	98	4	87	46	28	65	31	68	65	76	6.03	+ 3.1	7	3,312	s.	22	ne.	10	18	10	3	3.0	....	....
Springfield, Ill	644	10	91	29.33	30.00	+ .01	77.3	+ 3.3	98	4	88	52	28	67	26	68	65	73	4.34	+ 1.5	9	4,683	s.	33	w.	11	14	10	7	4.4	....	....
Hannibal	534	74	109	29.44	30.00	+ .02	77.7	+ 2.7	99	7	88	48	28	68	28	....	....	....	9.15	+ 5.8	8	5,225	sw.	35	nw.	11	16	10	5	3.8	....	....
St. Louis	567	265	303	29.40	30.00	+ .01	78.7	+ 1.5	96	4	87	55	28	70	24	70	67	72	0.60	+ 8.0	10	7,216	s.	44	se.	20	15	13	3	4.3	....	....
Missouri Valley.							75.8	+ 2.0										69	3.48	+ 0.1										4.1		
Columbia, Mo	781	11	84	29.18	29.99	+0.02	79.0	+ 4.3	100	12	90	46	28	68	31	....	....	....	2.04	− 1.0	7	4,592	se.	22	n.	11	19	7	5	3.4	....	....
Kansas City	963	161	184	28.93	29.96	− .01	78.9	+ 3.1	99	3	89	55	28	69	30	68	63	63	3.82	− 0.9	11	7,123	s.	43	w.	2	17	11	3	3.4	....	....
St. Joseph	967	11	49	28.93	29.96	....	78.3	....	102	4	89	50	28	68	33	68	64	69	4.24	....	10	4,718	s.	34	nw.	10	11	13	7	4.5	....	....
Springfield, Mo	1,324	98	101	28.63	30.00	+ .03	78.8	+ 4.0	95	12	89	52	28	69	28	68	64	67	4.45	+ 0.1	7	5,950	s.	31	ne.	9	20	10	1	2.8	....	....
Iola	981	11	50	28.95	29.96	....	80.9	+ 4.6	102	3	94	50	28	68	37	....	....	....	2.43	− 1.0	7	4,263	s.	36	ne.	7	15	12	4	3.7	....	....
Topeka	983	85	101	....	....	....	79.9	+ 3.9	103	3	91	50	28	68	34	....	....	....	0.78	− 3.5	6	6,607	s.	33	nw.	25	10	17	4	4.2	....	....
Drexel	1,299	10	53	28.60	29.97	....	74.0	....	97	4	84	44	27	64	33	66	63	73	4.36	....	8	6,844	s.	31	sw.	21	14	13	4	4.1	....	....
Lincoln	1,189	11	84	28.71	29.94	− .01	75.8	+ 1.5	101	4	87	48	28	65	37	66	62	68	6.70	+ 3.0	9	6,712	se.	38	w.	1	14	12	5	4.2	....	....
Omaha	1,105	115	127	28.81	29.96	.00	76.5	+ 2.1	100	4	86	52	27	67	31	67	63	68	2.74	− 0.9	9	5,028	s.	26	n.	22	13	12	6	4.5	....	....
Valentine	2,598	47	54	27.29	29.96	+ .01	71.9	− 0.1	96	2	84	46	22	59	37	61	57	68	4.45	+ 1.6	10	6,401	s.	40	sw.	15	15	9	7	4.5	....	....
Sioux City	1,135	91	161	28.77	29.95	.00	73.6	+ 1.0	96	19	84	43	27	64	34	66	67	70	2.33	− 0.7	9	7,813	s.	70	sw.	6	16	11	4	3.5	....	....
Huron	1,306	59	74	28.59	29.97	+ .02	69.8	+ 0.7	97	2	81	42	13	58	36	63	60	76	5.70	+ 3.1	9	6,858	se.	43	nw.	9	13	13	5	4.7	....	....
Pierre	1,572	70	75	28.32	29.96	+ .02	71.6	− 1.5	98	9	83	47	13	60	35	62	57	66	4.65	+ 2.6	11	6,156	ne.	32	nw.	16	12	12	7	4.1	....	....
Yankton	1,233	49	57	28.64	29.93	− .02	73.8	+ 1.0	94	5	85	46	27	63	33	....	....	....	1.70	− 1.4	8	5,106	e.	28	s.	18	7	17	7	5.5	....	....

TABLE I.—*Climatological data for Weather Bureau Stations, August, 1916*—Continued.

Districts and stations.	Elevation of instruments: Barometer above sea-level.	Elevation of instruments: Thermometer above ground.	Elevation of instruments: Anemometer above ground.	Pressure: Station, reduced to mean of 24 hours.	Pressure: Sea level, reduced to mean of 24 hours.	Pressure: Departure from normal.	Temperature of the air: Mean max.+mean min.÷2.	Temperature of the air: Departure from normal.	Temperature of the air: Maximum.	Temperature of the air: Date.	Temperature of the air: Mean maximum.	Temperature of the air: Minimum.	Temperature of the air: Date.	Temperature of the air: Mean minimum.	Temperature of the air: Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity.	Precipitation: Total.	Precipitation: Departure from normal.	Precipitation: Days with 0.01 inch or more.	Wind: Total movement.	Wind: Prevailing direction.	Wind: Maximum velocity: Miles per hour.	Wind: Maximum velocity: Direction.	Wind: Maximum velocity: Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness.	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.							65.8	− 1.0										58	1.33	+ 0.1										3.8		
Billings	3,140	5	....	.....	.....	.....	66.4	.....	95	1	8	42	1	50	.....	.....	.....	.....	0.83	.....	.....	.....	.....	.....	.....	.....	15	16	0	.....	.....	.....
Havre	2,505	11	44	27.34	29.9	+0.03	64.9	− 2.0	90	8	79	36	1	51	45	55	49	64	0.34	− 0.9	7	4,147	sw.	36	sw.	8	23	6	2	2.8	.....	.....
Helena	4,110	87	114	25.83	29.9	+ .01	65.0	− 1.1	91	1	79	39	2	51	39	51	42	51	1.19	+ 0.5	10	5,999	sw.	31	n.	25	17	12	2	3.3	.....	.....
Kalispell	2,96.	11	34	26.9	29.9	+ .01	61.6	− 1.3	85	31	76	38	2	47	38	52	45	64	1.96	+ 1.2	6	2,8.3	w.	21	sw.	8	20	6	5	3.9	.....	.....
Miles City	2,371	26	48	27.46	29.96	+ .03	71.2	− 0.3	10	1	86	46	2	57	44	59	52	60	1.51	+ 0.5	10	3,339	ne.	21	sw.	1	21	9	1	2.3	.....	.....
Rapid City	3,259	50	58	26 64	29.99	+ .06	67.8	− 1.0	95	8	83	44	2	56	36	56	49	67	2.36	+ 0.2	13	4,985	n.	36	sw.	16	13	11	7	4.5	.....	.....
Cheyenne	6,088	84	101	24.11	29 96	+ .04	63.8	− 2.0	86	2	76	41	27	52	33	53	47	63	1.16	− 0.2	12	7,095	n.v.	47	w.	9	11	15	5	4.7	.....	.....
Lander	5,372	60	68	24.71	29 9	+ .03	65.9	+ 0.2	95	1	8	43	28	50	41	50	39	47	0.27	− 0.3	6	3,962	sw.	42	sw.	15	14	13	4	4.1	.....	.....
Sheridan	3,790	10	47	26.13	29 97	.....	65.9	.....	98	1	83	40	19	49	47	54	44	55	0.13	.....	3	3,586	nw.	38	sw.	8	12	14	5	4.5	.....	.....
Yellowstone Park	6,500	11	48	23.96	29.97	+ .01	58.0	− 2.9	81	1	71	32	20	42	43	45	36	53	0.70	− 0.3	8	4,966	sw.	35	sw.	7	16	13	2	3.5	.....	.....
North Platte	2,821	11	51	27.10	29.97	+ .03	74.0	+ 1.8	99	3	87	50	2	61	35	63	58	68	2.35	− 0.1	12	4,805	s.	30	s.	18	14	13	4	4.0	.....	.....
Middle Slope.							77.1	+ 1.9										60	1.85	− 0.6										4.0		
Denver	5,29	106	113	24.81	29.97	+0.05	69.0	− 1.4	89	5	80	51	21	58	30	57	51	6	1.74	+ 0.4	12	4,985	s.	34	n.v.	26	14	10	7	4.1	.....	.....
Pueblo	4,685	80	86	25.34	29.94	+ .03	71.9	− 0.2	95	2	85	50	28	59	35	59	53	63	3.12	+ 1.6	12	4,114	se.	29	ne.	21	11	18	2	4.2	.....	.....
Concordia	1,39	50	58	28.51	29.95	.00	78.7	+ 2.2	103	3	90	50	23	67	40	66	60	60	1.21	− 1.6	10	6,001	s.	22	s.	19	10	15	6	5.0	.....	.....
Dodge	2,509	11	51	27.41	29.95	+ .0	78.6	+ 2.1	101	3	91	51	28	66	36	65	59	60	2.35	− 0.3	9	7,588	s.	39	se.	20	14	14	3	3.7	.....	.....
Wichita	1,358	139	158	28.53	29.92	− .03	81.6	+ 4.1	100	3	92	53	28	71	30	68	61	56	2.12	− 1.0	7	9,081	s.	36	sw.	10	18	10	3	3.4	.....	.....
Altus	1,410	5	....	.....	.....	.....	81.7	.....	104	2	98	58	28	71	36	.....	.....	.....	0.86	.....	1	.....	s.	.....	.....	.....	23	2	6	.....	.....	.....
Muskogee	652	4	....	.....	.....	.....	85.0	.....	105	13	98	56	24	72	43	.....	.....	.....	1.81	.....	5	.....	s.	.....	.....	.....	24	2	5	.....	.....	.....
Oklahoma	1,214	10	47	28.71	29.96	+ .02	83.0	+ 4.5	102	13	95	56	24	71	38	69	63	60	0.68	− 2.5	5	8,844	s.	35	se.	5	19	10	2	3.3	.....	.....
Southern Slope.							78.5	− 0.6										60	4.14	+ 2.0										4.0		
Abilene	1,738	10	52	28.17	29.93	+0.01	81.7	+ 0.5	98	13	93	55	24	70	33	67	60	55	0.52	− 1.4	3	7,311	s.	31	se.	19	14	10	7	4.3	.....	.....
Amarillo	3,676	10	49	26.31	29 9	+ .04	76.6	+ 2.0	97	13	89	55	28	64	28	63	57	6	3.89	+ 1.0	10	7,652	s.	39	s.	20	19	10	2	3.1	.....	.....
Del Rio	944	64	71	28.9	29.88	− .02	81.6	− 2.4	94	18	90	67	25	73	24	.....	.....	.....	2.64	+ 0.1	8	7,538	se.	60	se.	19	9	19	3	4.5	.....	.....
Roswell	3,566	75	85	26.39	29.93	+ .05	74.0	− 2.6	93	14	85	58	29	63	28	63	57	64	9.56	+ 8.1	11	5,015	s.	29	n.	20	13	12	6	4.2	.....	.....
Southern Plateau.							75.4	− 1.9										50	1.06	0.0										3.4		
El Paso	3,76	110	133	26.18	29.85	+0.01	77.8	− 0.8	95	10	88	61	20	67	28	64	57	57	3.07	+ 1.4	10	7,407	se.	57	se.	12	12	17	2	4.2	.....	.....
Santa Fe	7,013	57	66	23.36	29.89	.00	66.8	− 0.2	84	10	77	49	28	56	27	55	49	62	1.67	− 0.7	14	4,608	e.	34	sw.	13	0	30	1	5.4	.....	.....
Flagstaff	6,908	8	57	23.45	29.89	+ .05	60.7	− 2.1	80	11	74	38	21	48	30	.....	.....	.....	3.29	.....	13	.....	nw.	30	w.	29	8	20	3	.....	.....	.....
Phoenix	1,108	76	81	28.66	29.78	− .01	87.0	− 2.0	103	7	100	62	21	73	36	69	60	47	0.30	− 0.7	5	3,879	e.	27	e.	14	23	7	1	1.8	.....	.....
Yuma	141	9	54	29.60	29.74	− .02	89.4	− 0.7	109	31	104	64	18	75	35	71	62	48	0.02	− 0.3	1	3,503	sw.	26	nw.	25	23	8	0	2.1	.....	.....
Independence	3,910	11	42	25.94	29.84	+ .05	70.8	− 5.6	96	1	88	48	16	54	42	54	38	34	0.22	+ 0.1	3	4,280	se.	29	w.	17	26	4	1	.....	.....	.....
Middle Plateau.							68.9	− 2.7										40	0.90	+ 0.2										2.6		
Reno	4,532	74	81	25.46	29.88	+0.04	67.2	+ 0.2	94	1	85	38	19	49	45	47	33	38	0.04	− 0.2	1	4,800	w.	36	sw.	17	25	3	3	1.9	.....	.....
Tonopah	6,090	12	20	24.10	29.90	.....	68.5	.....	90	1	80	40	18	57	29	49	32	30	0.54	+ 0.2	2	6,457	se.	30	se.	2	23	8	0	2.1	.....	.....
Winnemucca	4,344	18	56	25.60	29 92	+ .04	66.4	− 4.4	96	2	86	30	18	46	51	48	31	35	0.11	− 0.1	2	3,907	ne.	27	sw.	7	24	5	2	1.7	.....	.....
Modena	5,479	10	43	24.65	29.90	+ .04	65.8	− 2.8	88	23	81	43	19	50	40	51	39	49	1.97	+ 0.1	7	7,615	sw.	47	s.	17	19	10	2	3.0	.....	.....
Salt Lake City	4,360	147	189	25.61	29.89	− .02	72.9	− 2.6	95	1	84	51	19	62	31	56	43	40	0.60	− 0.2	7	6,179	se.	37	se.	5	20	8	3	2.7	.....	.....
Grand Junction	4,602	82	96	25.41	29.93	+ .03	72.4	− 3.7	92	1	84	54	31	61	32	57	47	47	2.16	+ 1.1	8	5,632	se.	35	sw.	9	14	13	4	4.0	.....	.....
Northern Plateau.							69.7	− 0.7										43	0.76	+ 0.4										2.6		
Baker	3,471	48	53	26.45	30.01	+0.06	63.6	− 1.3	90	30	80	35	19	47	43	50	41	51	1.08	+ 0.7	6	4,531	se.	28	sw.	12	23	7	1	2.3	.....	.....
Boise	2,739	78	86	27.11	29.91	− .02	70.4	− 1.4	96	31	86	39	19	55	38	54	39	38	0.45	+ 0.3	2	3,442	nw.	31	w.	12	21	7	3	2.4	.....	.....
Lewiston	757	40	48	29.14	29.93	− .02	72.3	− 1.2	100	27	89	45	19	56	4	.....	.....	.....	1.41	+ 1.0	6	1,849	e.	18	nw.	15	22	7	2	2.1	.....	.....
Pocatello	4,477	60	68	25.49	29.90	− .02	68.8	− 1.7	96	1	83	42	20	54	4	51	37	37	0.95	+ 0.4	6	5,880	se.	46	sw.	17	18	9	4	3.4	.....	.....
Spokane	1,929	101	110	27.93	29.94	− .01	69.0	+ 1.1	96	29	81	45	20	54	4	54	43	48	0.4	0.0	3	3,713	sw.	2	sw.	18	19	9	3	3.3	.....	.....
Walla Walla	991	57	65	28.86	29.92	− .04	74.0	+ 0.2	102	28	88	47	19	60	3	57	44	39	0.1	− 0.3	3	3,253	s.	18	sw.	12	22	7	2	2.3	.....	.....
North Pacific Coast Region.							62.6	+ 0.7										76	0.2	− 0.6										4.5		
North Head	211	11	56	29.82	30.04	+0.01	56.8	− 1.1	71	2	60	50	21	54	20	55	54	91	0.3	− 0.3	9	9,020	nw.	37	nw.	14	8	6	17	6.2	.....	.....
Seattle	125	215	250	29.90	30.04	+ .04	63.6	+ 0.5	89	25	72	48	19	55	30	57	52	72	0.1	− 0.4	4	4,477	n.	21	n.	14	15	6	10	4.4	.....	.....
Tacoma	213	113	120	29.81	30.03	+ .01	63.9	+ 0.9	90	25	74	45	19	54	33	57	53	73	0.2	− 0.5	2	3,360	n.	19	w.	7	11	13	7	4.7	.....	.....
Tatoosh Island	109	7	57	29.94	30.04	+ .04	55.2	− 0.1	77	24	59	48	20	51	25	54	53	93	0.1	− 1.9	6	6,734	s.	32	s.	11	12	7	12	5.2	.....	.....
Medford	1,425	4	....	.....	.....	.....	71.3	.....	106	25	90	41	19	52	51	.....	.....	.....	0.60	.....	3	.....	e.	.....	.....	.....	19	8	4	.....	.....	.....
North Yakima	1,071	4	....	.....	.....	.....	70.6	.....	94	24	85	44	19	56	39	.....	.....	.....	T.	.....	0	.....	nw.	.....	.....	.....	23	5	3	.....	.....	.....
Portland, Oreg.	153	68	106	29.83	29.99	− .02	68.0	+ 2.1	96	24	78	46	19	58	32	60	54	65	0.27	− 0.4	3	3,847	nw.	18	nw.	3	13	12	6	4.1	.....	.....
Roseburg	510	9	57	29.46	30.00	.00	68.2	+ 2.0	101	24	84	42	20	53	46	59	53	64	0.3	0.0	2	2,308	n.	15	n.	19	24	5	2	2.4	.....	.....
Middle Pacific Coast Region.							64.5	− 0.3										61	0.12	+ 0.1										3.4		
Eureka	62	73	89	29.95	30.02	+0.02	56.0	+ 0.2	69	31	60	46	18	52	19	53	51	87	0.12	0.0	2	4,229	n.	24	n.	1	7	10	14	6.2	.....	.....
Mount Tamalpais	2,375	11	18	27.51	29.94	+ .01	67.4	+ 1.5	92	23	76	43	17	59	30	54	41	43	0.27	+ 0.3	3	11,048	nw.	66	nw.	17	24	6	1	1.3	.....	.....
Point Reyes Light	490	7	18	29.40	29.92	.....	53.0	− 1.5	74	20	57	46	7	49	25	.....	.....	.....	0.03	.....	1	17,246	nw.	67	nw.	17	7	3	21	7.5	.....	.....
Red Bluff	332	50	56	29.50	29.84	− .02	79.4	− 1.6	112	24	94	56	18	65	43	60	43	35	T.	0.0	0	3,403	se.	22	nw.	17	26	1	4	1.5	.....	.....
Sacramento	69	106	117	29.80	29.87	+ .02	71.8	− 0.3	100	2	87	50	9	56	42	59	50	56	T.	0.0	0	6,048	s.	26	sw.	10	28	2	1	1.2	.....	.....
San Francisco	155	209	213	29.77	29.94	+ .02	58.5	+ 0.5	84	20	65	48	7	52	27	51	51	84	0.29	+ 0.3	3	8,806	sw.	38	sw.	3	13	14	4	3.7	.....	.....
San Jose	141	12	110	29.81	29.96	.....	65.6	− 1.1	92	20	79	44	18	52	43	.....	.....	.....	0.01	0.0	1	4,430	nw.	24	nw.	17	25	6	0	2.1	.....	.....
South Pacific Coast Region.							69.2	− 1.3										68	0.02	0.0										2.5		
Fresno	327	89	98	29.50	29.84	+0.02	78.2	− 3.0	103	3	94	52	18	62	39	59	44	37	0.08	+ 0.1	2	5,751	nw.	26	nw.	17	27	4	0	1.2	.....	.....
Los Angeles	338	159	191	29.5	29.90	+ .02	68.6	0.0	96	1	79	54	8	59	32	61	57	76	T.	0.0	0	3,682	sw.	16	sw.	18	25	5	1	2.2	.....	.....
San Diego	87	62	70	29.8	29.89	.00	67.0	− 1.7	84	1	72	58	21	62	18	62	60	84	0.01	0.0	1	4,378	nw.	17	nw.	1	18	13	0	3.2	.....	.....
San Luis Obispo	201	32	40	29.7	29.96	+ .02	62.9	− 0.6	85	26	75	46	20	51	34	55	52	77	T.	0.0	0	2,619	nw.	20	w.	18	14	17	0	3.5	.....	.....
West Indies.																																
San Juan, P. R.	82	8	54	29.90	29.98	+0.01	80.4	.....	91	15	85	69	29	76	16	.....	.....	.....	7.58	+ 0.2	19	10,922	e.	92	ne.	22	8	16	7	5.5	.....	.....
Panama Canal.																																
Balboa Heights	118	7	97	29.76	29.89	.....	78.1	.....	89	12	83	70	7	73	15	74	73	91	10.53	+ 2.5	23	5,008	s.	36	s.	28	0	24	7	8.3	.....	.....
Colon	25	5	71	29.85	29.88	.....	80.7	.....	90	30	87	73	7	75	16	76	75	90	8.34	− 6.6	21	4,866	se.	32	s.	31	0	11	20	8.3	.....	.....

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 August, 1916, 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.	19			0.39														0.38			
Albany, N. Y.	27	3:42 p. m.	5:15 p. m.	0.91	3:53 p. m.	4:09 p. m.	0.02	0.25	0.47	0.67	0.70										
Alpena, Mich.	6	4:05 p. m.	5:18 p. m.	0.78	4:05 p. m.	4:20 p. m.	0.00	0.15	0.41	0.66											
Amarillo, Tex.	21-22	9:40 p. m.	1:44 a. m.	1.89	10:30 p. m.	11:13 p. m.	0.17	0.25	0.45	0.62	0.81	0.90	0.99	1.08	1.20	1.24					
Anniston, Ala.	12	6:30 p. m.	10:15 p. m.	1.15	6:32 p. m.	6:59 p. m.	0.01	0.19	0.40	0.66	0.79	0.89	0.94								
	13	12:43 p. m.	5:10 p. m.	0.97	12:45 p. m.	1:17 p. m.	0.01	0.10	0.17	0.38	0.61	0.81	0.83	0.92							
	18	3:41 p. m.	4:35 p. m.	0.66	4:04 p. m.	4:18 p. m.	0.01	0.40	0.57	0.61											
Asheville, N. C.	22	1:50 p. m.	3:05 p. m.	1.09	1:57 p. m.	2:23 p. m.	0.01	0.15	0.23	0.65	0.93	1.01	1.04								
Atlanta, Ga.	14	12:12 p. m.	1:40 p. m.	0.45	12:43 p. m.	12:58 p. m.	0.03	0.10	0.25	0.40											
		2:43 p. m.	7:35 p. m.	0.62	2:47 p. m.	2:55 p. m.	0.01	0.25	0.39												
Atlantic City, N. J.	28			0.67														0.39			
Augusta, Ga.	13	5:10 p. m.	8:15 p. m.	0.90	5:14 p. m.	5:31 p. m.	0.01	0.21	0.55	0.73	0.80										
Baker, Oreg.	17			0.73														0.20			
Baltimore, Md.	27			0.33														0.31			
Bentonville, Ark.	3	3:08 p. m.	4:20 p. m.	0.87	3:10 p. m.	3:48 p. m.	0.01	0.12	0.17	0.21	0.29	0.50	0.56	0.64	0.69						
	15-16	9:05 p. m.	12:20 a. m.	1.12	9:08 p. m.	9:53 p. m.	0.01	0.08	0.17	0.28	0.37	0.40	0.49	0.66	0.80	0.89					
Binghamton, N. Y.	26	6:15 p. m.	D. N. p. m.	0.80	6:58 p. m.	7:13 p. m.	0.20	0.16	0.30	0.35											
Birmingham, Ala.	2	3:00 p. m.	5:25 p. m.	0.82	4:00 p. m.	4:25 p. m.	0.03	0.08	0.19	0.42	0.59	0.66									
Bismarck, N. Dak.	20-21			1.25														0.21			
Block Island, R. I.	28			0.27														0.15			
Boise, Idaho.	17			0.41														0.16			
Boston, Mass.	28			1.10														0.64			
Buffalo, N. Y.	27			0.48														0.28			
Burlington, Vt.	23			0.20														0.15			
Cairo, Ill.	22	12:41 p. m.	1:13 p. m.	0.75	12:49 p. m.	1:06 p. m.	0.01	0.32	0.58	0.70	0.73										
Canton, N. Y.	8	8:03 a. m.	11:42 a. m.	0.43	9:24 a. m.	9:34 a. m.	0.05	0.26	0.34												
Charles City, Iowa.	3	10:27 a. m.	11:55 a. m.	0.61	10:48 a. m.	11:16 a. m.	0.02	0.15	0.22	0.24	0.27	0.44	0.52								
Charleston, S. C.	6	D. N. a. m.	D. N. a. m.	0.76	3:48 a. m.	4:06 a. m.	0.27	0.08	0.17	0.34	0.41										
Charlotte, N. C.	16	6:42 p. m.	8:10 p. m.	1.03	6:46 p. m.	7:31 p. m.	0.01	0.16	0.23	0.41	0.62	0.70	0.77	0.80	0.87	0.97					
	24	7:50 p. m.	8:20 p. m.	0.60	7:53 p. m.	8:13 p. m.	0.01	0.16	0.39	0.49	0.57										
Chattanooga, Tenn.	12			0.37														0.30			
Cheyenne, Wyo.	15	2:50 p. m.	3:50 p. m.	0.64	3:07 p. m.	3:22 p. m.	0.03	0.16	0.41	0.58											
Chicago, Ill.	10	6:03 p. m.	8:25 p. m.	0.71	6:37 p. m.	6:45 p. m.	0.20	0.30	0.36												
Cincinnati, Ohio.	8	8:36 a. m.	9:17 a. m.	0.47	8:42 a. m.	8:53 a. m.	0.02	0.17	0.39	0.43											
Cleveland, Ohio.	22	8:12 p. m.	8:37 p. m.	0.47	8:19 p. m.	8:30 p. m.	0.02	0.19	0.43	0.45											
Columbia, Mo.	25-26			0.45														0.37			
Columbia, S. C.	1-2	11:35 p. m.	D. N. a. m.	1.78	11:42 p. m.	12:48 a. m.	0.01	0.16	0.34	0.58	0.72	0.91	1.08	1.15	1.17	1.25	1.29	1.43	1.70		
	29	12:15 p. m.	3:30 p. m.	1.20	12:42 p. m.	1:08 p. m.	0.01	0.36	0.56	0.68	0.83	0.91	0.96								
Columbus, Ohio.	11	11:29 a. m.	11:56 a. m.	0.59	11:34 a. m.	11:45 a. m.	0.01	0.14	0.57	0.58											
Concord, N. H.	23	3:07 p. m.	D. N. p. m.	2.15	7:06 p. m.	7:35 p. m.	0.91	0.08	0.31	0.70	0.82	0.89	0.95								
Concordia, Kans.	7			0.62														0.48			
Corpus Christi, Tex.	29	6:39 a. m.	8:55 a. m.	2.41	6:39 a. m.	6:48 a. m.	0.00	0.14	0.21	0.31	0.52	0.76	0.99	1.14	1.28	1.46	1.65	1.95	2.14		
Davenport, Iowa.	10			0.87														0.58			
Dayton, Ohio.	5	2:43 p. m.	2:57 p. m.	0.28	2:45 p. m.	2:50 p. m.	0.01	0.26	0.27												
Del Rio, Tex.	27-28	9:25 p. m.	2:45 a. m.	0.53	9:27 p. m.	9:47 p. m.	T.	0.17	0.27	0.37	0.43										
Denver, Colo.	12	5:20 p. m.	6:50 p. m.	0.49	6:08 p. m.	6:24 p. m.	0.06	0.12	0.24	0.36	0.42										
Des Moines, Iowa.	12	1:12 p. m.	4:17 p. m.	1.08	1:49 p. m.	2:17 p. m.	0.02	0.17	0.35	0.41	0.58	0.67	0.71								
Detroit, Mich.	7	7:07 p. m.	9:45 p. m.	1.26	7:21 p. m.	7:39 p. m.	0.02	0.12	0.37	0.72	0.91										
Devils Lake, N. Dak.	3	7:50 p. m.	8:30 p. m.	0.77	7:49 p. m.	8:09 p. m.	0.02	0.23	0.33	0.62	0.71										
Dodge City, Kans.	31	6:05 p. m.	7:45 p. m.	0.61	6:55 p. m.	7:05 p. m.	0.13	0.12	0.31												
Dubuque, Iowa.	10	5:05 p. m.	5:55 p. m.	0.48	5:45 p. m.	5:51 p. m.	0.15	0.32	0.33												
Duluth, Minn.	21-22			1.93														0.50			
Durango, Colo.																					
Eastport, Me.	8	D. N. a. m.	6:20 a. m.	0.46	2:36 a. m.	2:41 a. m.	0.06	0.31													
Elkins, W. Va.	5	D. N. a. m.	6:30 a. m.	0.91	5:53 a. m.	6:08 a. m.	0.34	0.15	0.42	0.52											
El Paso, Tex.	12	7:05 p. m.	7:40 p. m.	0.35	7:09 p. m.	7:19 p. m.	0.01	0.05	0.32												
Erie, Pa.	5	11:05 a. m.	12:15 p. m.	0.54	11:24 a. m.	11:54 a. m.	0.03	0.07	0.13	0.22	0.34	0.44	0.50								
Escanaba, Mich.	18	D. N. a. m.	6:30 a. m.	1.35	4:58 a. m.	5:43 a. m.	0.43	0.09	0.23	0.29	0.42	0.53	0.63	0.79	0.86	0.91					
Eureka, Cal.	17			0.10														0.09			
Evansville, Ind.	12	7:00 a. m.	11:10 a. m.	1.09	8:21 a. m.	8:47 a. m.	0.35	0.11	0.14	0.19	0.26	0.45	0.51								
Flagstaff, Ariz.																					
Fort Smith, Ark.	*																	*			
Fort Wayne, Ind.	3-4	10:30 p. m.	3:15 a. m.	0.80	2:26 a. m.	2:46 a. m.	0.20	0.12	0.30	0.42	0.56										
Fort Worth, Tex.	22	4:01 p. m.	7:25 p. m.	2.47	4:07 p. m.	4:50 p. m.	0.03	0.49†	0.97†	1.40†	1.71†	1.90†	1.95†	2.09†	2.16†	2.21†					
Fresno, Cal.	28			0.07														0.05			
Galveston, Tex.	5	7:10 a. m.	2:10 p. m.	1.56	11:45 a. m.	11:58 a. m.	0.96	0.24	0.46	0.52											
	8	D. N. a. m.	8:15 a. m.	1.06	4:20 a. m.	4:56 a. m.	0.09	0.05	0.19	0.33	0.46	0.59	0.73	0.76							
	13	10:40 a. m.	12:05 p. m.	0.82	10:43 a. m.	11:05 a. m.	0.01	0.19	0.35	0.55	0.63	0.66									
Grand Haven, Mich.	3	10:13 a. m.	1:38 p. m.	2.10	11:05 a. m.	11:30 a. m.	0.07	0.07	0.16	0.25	0.45	0.66	0.99	1.24							
	10	3:58 p. m.	7:10 p. m.	1.11	5:14 p. m.	5:34 p. m.	0.02	0.21	0.47	0.87	0.95										
Grand Junction, Colo.	3			0.73														0.37			
Grand Rapids, Mich.	3	10:13 a. m.	1:38 p. m.	2.10	11:05 a. m.	11:30 a. m.	0.07	0.07	0.16	0.25	0.45	0.66	0.99	1.24							
					1:19 p. m.	1:29 p. m.	1.65	0.19	0.44												
	10	3:58 p. m.	7:10 p. m.	1.11	5:14 p. m.	5:34 p. m.	0.02	0.21	0.47	0.87	0.95										
Green Bay, Wis.	3			0.36														0.36			
Hannibal, Mo.	12-13	10:05 p. m.	9:18 a. m.	3.11	10:41 p. m.	11:37 p. m.	0.09	0.07	0.23	0.32	0.42	0.51	0.57	0.62	0.74	0.94	1.11	1.30			
	14-15	6:55 p. m.	8:05 a. m.	3.90	12:20 a. m.	1:57 a. m.	0.80	0.22	0.50	0.61	0.63	0.66	0.70	0.74	0.81	1.01	1.11	1.44	1.80	2.04	
					2:42 a. m.	2:02 a. m.	2.96	0.08	0.30	0.40	0.47										
Harrisburg, Pa.	26			0.82														0.42			
Hartford, Conn.	27	4:29 p. m.	7:05 p. m.	1.50	5:30 p. m.	6:47 p. m.	0.11	0.06	0.19	0.26	0.37	0.46	0.51	0.52	0.53	0.62	0.64	0.94	1.35		
Hatteras, N. C.	9	8:20 p. m.	9:00 p. m.	0.61	8:23 p. m.	8:46 p. m.	0.01	0.15	0.21	0.28	0.49	0.58									
	16-17	6:55 p. m.	D. N. a. m.	1.16	7:06 p. m.	7:21 p. m.	0.01	0.23	0.55	0.92											
	29	5:10 a. m.	1:20 p. m.	1.65	5:22 a. m.	5:50 a. m.	0.01	0.35	0.69	0.81	0.94	1.14	1.22								
Havre, Mont.	16			0.12														0.12			
Helena, Mont.	8	12:40 p. m.	4:20 p. m.	0.64	1:56 p. m.	2:06 p. m.	0.18	0.26	0.34												
Houghton, Mich.	6-7	11:00 p. m.	5:00 a. m.	0.91	11:04 p. m.	11:19 p. m.	0.01	0.19	0.44	0.51											
	21	7:18 p. m.	9:00 p. m.	1.05	8:25 p. m.	8:43 p. m.	0.17	0.15	0.53	0.82	0.87										
Houston, Tex.	8	7:30 a. m.	8:45 a. m.	0.92	8:02 a. m.	8:33 a. m.	0.11	0.13	0.26	0.34	0.42	0.63	0.78	0.81							
Huron, S. Dak.	4	6:37 a. m.	10:50 a. m.	0.82	7:21 a. m.	7:40 a. m.	0.07	0.16	0.38	0.60	0.69										
	9	5:50 p. m.	6:30 p. m.	0.95	6:05 p. m.	6:37 p. m.	0.02	0.17	0.35	0.45	0.59	0.71	0.84	0.93							
	20-21	6:18 p. m.	6:05 a. m.	2.42	7:04 p. m.	7:27 p. m.	0.03	0.27	0.39	0.49	0.55	0.62									
Independence, Cal.	28			0.10														0.09			
Indianapolis, Ind.	8	D. N. a. m.	D. N. a. m.	0.79	2:41 a. m.	2:56 a. m.	0.34	0.17	0.25	0.36											
Iola, Kans.	7	5:35 p. m.	7:45 p. m.	1.17	5:51 p. m.	6:17 p. m.	0.01	0.07	0.12	0.23	0.41	0.70	0.73								
Jacksonville, Fla.	5-6	5:45 p. m.	D. N. a. m.	1.69	11:54 p. m.	12:49 a. m.	0.02	0.17	0.22	0.36	0.52	0.65	0.78	1.05	1.27	1.42	1.54				
	11	4:50 p. m.	6:58 p. m.	0.81	5:03 p. m.	5:36 p. m.	0.03	0.20	0.30	0.47	0.60	0.71	0.75								

* Self-register not working. † 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 August, 1916, at all stations furnished with self-registering gages*—Continued.

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive rate began.	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Kalispell, Mont.	9			1.06														0.35			
Kansas City, Mo.	13-14	10:48 p.m.	D. N. a.m.	1.78	11:49 p.m.	12:40 a.m.	0.29	0.13	0.26	0.34	0.42	0.49	0.52	0.58	0.71	0.85	0.89	0.93			
Keokuk, Iowa	7	5:25 p.m.	6:50 p.m.	1.12	6:05 p.m.	6:33 p.m.	0.12	0.16	0.38	0.60	0.77	0.93	0.97								
	10-11	10:10 p.m.	3:10 a.m.	0.90	11:56 p.m.	12:17 a.m.	0.16	0.08	0.14	0.33	0.57	0.61									
	11	4:55 p.m.	6:80 p.m.	1.26	4:55 p.m.	5:18 p.m.	0.00	0.59	0.91	1.01	1.09	1.13									
Key West, Fla.	8	7:25 a.m.	3:15 p.m.	1.53	10:23 a.m.	10.53 a.m.	0.10	0.19	0.35	0.52	0.64	0.84	1.08								
Knoxville, Tenn.	17	2:42 p.m.	3:14 p.m.	0.80	2:49 p.m.	3:11 p.m.	0.01	0.15	0.50	0.72	0.77	0.79									
	23	2:15 p.m.	5:15 p.m.	1.05	3.56 p.m.	4:21 p.m.	0.27	0.09	0.25	0.42	0.61	0.73									
La Crosse, Wis.	4	7:47 p.m.	D. N. p.m.	2.08	8:01 p.m.	8:36 p.m.	0.24	0.27	0.46	0.69	0.78	1.07	1.18	1.29							
					10:34 p.m.	11:02 p.m.	1.54	0.15	0.26	0.36	0.42	0.47	0.53								
Lander, Wyo.	5-6			0.14														0.12			
Lansing, Mich.	7			0.63														0.36			
Lewiston, Idaho	8-9			0.94														0.27			
Lexington, Ky.	15			1.44														0.50			
Lincoln, Nebr.	31-1	11:50 p.m.	6:28 a.m.	1.81	12:47 a.m.	1:02 a.m.	0.13	0.20	0.48	0.60											
	3	1:00 a.m.	4:50 a.m.	0.67	3:22 a.m.	3 34 a.m.	0.07	0.27	0.46	0.54											
	2	6:10 p.m.	10:15 p.m.	0.72	6:25 p.m.	6:56 p.m.	0.01	0.10	0.26	0.34	0.41	0.52	0.57	0.60							
Little Rock, Ark.	22	1:48 p.m.	2:50 p.m.	0.90	1:55 p.m.	2:18 p.m.	0.01	0.16	0.34	0.56	0.73	0.82									
Los Angeles, Cal.	24			T.														T.			
Louisville, Ky.	15	D. N. a.m.	6:15 a.m.	1.25	3:40 a.m.	4:40 a.m.	0 09	0.09	0.11	0.20	0.31	0.42	0.48	0.56	0.66	0.73	0.80	1.09			
Ludington, Mich	7	5:31 p.m.	6:05 p.m.	0.53	5:32 p.m.	5:54 p.m.	T.	0.19	0.22	0.27	0.45	0.50									
Lynchburg, Va.	24	5:05 a.m.	7:35 a.m.	0.52	5:44 a.m.	5:54 a.m.	0.03	0.17	0.46												
Macon, Ga.	4	5:20 p.m.	6:22 p.m.	0.70	5:32 p.m.	5:52 p.m.	0.01	0.21	0.40	0.53	0.60										
Madison, Wis.	4	11:03 a.m.	11:22 p.m.	0.51	11:05 a.m.	11:19 a.m.	0.01	0.20	0.43	0.50											
	4-5	9:20 p.m.	D. N. a.m.	2.01	10:38 p.m.	11:44 p.m.	0.70	0.10	0.28	0.49	0.62	0.74	0.85	0.89	0.91	0.91	0.94	1.17	1.31		
Marquette, Mich.	7			0.39														0.28			
Memphis, Tenn.	9	7:45 p.m.	8:55 p.m.	1.18	7:45 p.m.	8:15 p.m.	0.00	0.14	0.36	0.61	0.83	0.96	1.04								
	13	2:47 p.m.	7:30 p.m.	0.74	2:51 p.m.	3:22 p.m.	0.02	0.10	0.15	0.21	0.38	0.53	0.61	0.64							
Meridian, Miss.	11	12:35 p.m.	1:20 p.m.	0.58	12:37 p.m.	1:07 p.m.	0.01	0.13	0.23	0.34	0.38	0.42	0.53								
Miami, Fla.	4	10:03 a.m.	12:50 p.m.	1.30	10:20 a.m.	10:46 a.m.	0.08	0.17	0.41	0.76	1.00	1.13	1.16								
	25	12:35 p.m.	9:25 p.m.	6.01	12:49 p.m.		0.02	0.08	0.18	0.28	0.47	0.71	0.82	1.00	1.24	1.41	1.63				
								1.93	2.26	2.46	2.60	2.76	3.10	3.35	3.58	3.78	3.88				
								4.07	4.25	4.44	4.59	4.76	4.88	4.94	4.97	5.04	5.16				
						3:35 p.m.		5.26	5.33	5.41	5.45										
Milwaukee, Wis.	3	12:55 p.m.	4:30 p.m.	1.86	1:47 p.m.	3:03 p.m.	0.07	0.19	0.29	0.35	0.39	0.61	0.68	0.70	0.73	0.74	0.88	1.06	1.63		
	10	8:15 a.m.	10:50 a.m.	0.81	8:15 a.m.	8:41 a.m.	0.00	0.16	0.26	0.39	0.52	0.66	0.68								
		3:05 p.m.	5:15 p.m.	0.77	3:15 p.m.	3:28 p.m.	0.01	0.24	0.52	0.58											
Minneapolis, Minn.	10			0.48														0.36			
Mobile, Ala.	4	11:56 a.m.	5:12 p.m.	1.40	3:14 p.m.	3:45 p.m.	0.68	0.13	0.30	0.46	0.54	0.61	0.68	0.71							
Modena, Utah	29	4:52 p.m.	5:30 p.m.	0.39	4:56 p.m.	5:05 p.m.	0.01	0.24	0.36												
Montgomery, Ala.	2-3	9:50 p.m.	D. N. a.m.	0.96	10:57 p.m.	11:28 p.m.	0.01	0.07	0.26	0.44	0.58	0.76	0.82	0.85							
	6	3:55 p.m.	4:18 p.m.	0.63	3:57 p.m.	4:07 p.m.	0.01	0.35	0.60												
Moorhead, Minn.	9			0.66														0.33			
Mount Tamalpais, Cal.	28			0.15														0.10			
Nantucket, Mass.	28			0.58														0.29			
Nashville, Tenn.	1	2:43 p.m.	8:45 p.m.	2.58	2:48 p.m.	3:12 p.m.	0.01	0.17	0.30	0.66	0.83	0.96									
					4:23 p.m.	5:07 p.m.	1.16	0.08	0.13	0.25	0.35	0.43	0.52	0.63	0.84	0.91					
New Haven, Conn.	10	4:20 p.m.	5:08 p.m.	0.85	4:43 p.m.	4:56 p.m.	0.02	0.28	0.65	0.82											
New Orleans, La.	4	9:47 a.m.	2:20 p.m.	0.98	10:08 a.m.	10:32 a.m.	0.01	0.11	0.33	0.42	0.48	0.54									
New York, N. Y.	8			0.32														0.31			
Norfolk, Va.	5			0.64														0.51			
Northfield, Vt.	8-10			0.89														0.33			
North Head, Wash.	1			0.05														0.03			
North Platte, Nebr.	29			0.59														0.34			
Oklahoma, Okla.	27			0.36														0.17			
Omaha, Nebr.	1	2:20 a.m.	2:15 p.m.	1.00	2:27 a.m.	2:52 a.m.	0.01	0.12	0.21	0.33	0.43	0.52									
Oswego, N. Y.	22			0.19														0.19			
Palestine, Tex.	5			0.53														0.46			
Parkersburg, W. Va.	11			0.55														0.44			
Pensacola, Fla.	6	4:50 p.m.	9:55 p.m.	1.57	5:15 p.m.	6:07 p.m.	0.02	0.13	0.28	0.36	0.46	0.52	0.60	0.66	0.84	1.04	1.19	1.27			
	8	5:35 a.m.	1:50 p.m.	3.08	6:41 a.m.	7:12 a.m.	0.25	0.27	0.65	1.00	1.38	1.81	1.90	1.93							
	18	8:15 p.m.	9:30 p.m.	0.65	8:36 p.m.	8:59 p.m.	0.01	0.08	0.28	0.38	0.49	0.55									
Peoria, Ill.	7	2:22 p.m.	3:55 p.m.	0.85	2:32 p.m.	3:01 p.m.	0.05	0.20	0.38	0.49	0.63	0.69	0.75								
	10-11	10:08 p.m.	4:00 a.m.	3.68	10:15 p.m.	10:44 p.m.	0.01	0.13	0.41	0.73	0.94	1.03	1.15								
					11:16 p.m.	11:50 p.m.	1.20	0.20	0.27	0.29	0.43	0.63	0.80	0.91							
					12:50 a.m.	1:40 a.m.	2.22	0.05	0.18	0.30	0.33	0.42	0.59	0.87	1.05	1.17	1.27				
Philadelphia, Pa.	11-12			0.39														0.25			
Phoenix, Ariz.	12			0.12														0.10			
Pierre, S. Dak.	20-21			3.77														0.69			
Pittsburgh, Pa.	5	3:05 p.m.	5:40 p.m.	1.81	3:11 p.m.	4:16 p.m.	0.01	0.06	0.26	0.44	0.45	0.45	0.45	0.45	0.57	0.71	0.94	1.52	1.67		
	8	1:12 p.m.	4:45 p.m.	0.76	1:15 p.m.	1:32 p.m.	0.02	0.18	0.32	0.52	0.58										
Pocatello, Idaho	15	2:48 p.m.	4:10 p.m.	0.74	3:30 p.m.	3:49 p.m.	0.08	0.07	0.21	0.48	0.61										
Point Reyes Light, Cal.	13			0.03														0.01			
Port Huron, Mich.	7	5:35 p.m.	8:30 p.m.	1.34	5:42 p.m.	6:40 p.m.	0.01	0.16	0.28	0.40	0.45	0.45	0.45	0.45	0.57	0.58	0.70	1.08			
Portland, Me.	23	5:07 p.m.	5:48 p.m.	0.65	5:21 p.m.	5:35 p.m.	0.01	0.24	0.55	0.63											
Portland, Oreg.	17			0.10														0.08			
Providence, R. I.	27			0.23														0.21			
Pueblo, Colo.	20			1.39														0.58			
Raleigh, N. C.	23-24	10:02 p.m.	D.N. a.m.	2.61	10:12 p.m.	10:44 p.m.	0.01	0.37	0.76	1.22	1.41	1.62	1.74	1.81							
	28	3:57 p.m.	4:17 p.m.	1.05	3:57 p.m.	4:15 p.m.	0.00	0.26	0.70	0.96	1.05										
Rapid City, S. Dak.	16	4:22 p.m.	5:35 p.m.	1.00	4:48 p.m.	5:12 p.m.	0.02	0.15	0.46	0.70	0.85	0.98									
Reading, Pa.	28	8:09 a.m.	8:27 a.m.	0.44	8:09 a.m.	8:16 a.m.	0.00	0.38	0.44												
Red Bluff, Cal.	14			T.														*			
Reno, Nev.	28			0.04														0.01			
Richmond, Va.	16	D.N. a.m.	7:47 a.m.	0.50	3:10 a.m.	3:22 a.m.	0.01	0.23	0.29	0.35											
Rochester, N. Y.	11	6:13 p.m.	7:00 p.m.	0.58	6:17 p.m.	6:37 p.m.	0.02	0.21	0.33	0.46	0.53										
	30	1:42 p.m.	2:30 p.m.	0.56	2:03 p.m.	2:28 p.m.	0.01	0.14	0.20	0.39	0.45	0.55									
Roseburg, Oreg.	17			0.35														0.07			
Roswell, N. Mex.	8	12:52 p.m.	6:55 a.m.	5.57	2:01 a.m.	4:10 a.m.	2.01	0.08	0.19	0.34	0.53	0.72	0.82	0.90	0.97	1.05	1.14	1.40	1.93	2.40	2.78
Sacramento, Cal.	28			T.														T.			
Saginaw, Mich.	18			0.50														0.39			
St. Joseph, Mo.	13-14	7:05 p.m.	6:30 a.m.	2.35	3:01 a.m.	3:22 a.m.	0.82	0.25	0.49	0.54	0.62	0.66									
					5:14 a.m.	5:52 a.m.	1.61	0.15	0.29	0.34	0.37	0.43	0.47	0.56	0.64						
St. Louis, Mo.	11	8:03 p.m.	10:15 p.m.	0.94	8:10 p.m.	8:25 p.m.	0.01	0.27	0.62	0.88											
	12-13	8:38 p.m.	D.N. a.m.	1.97	8:42 p.m.	9:25 p.m.	0.01	0.12	0.35	0.73	1.14	1.36	1.52	1.65	1.78	1.83					
	14	D.N. a.m.	12:20 p.m.	1.52	6:41 a.m.	7:15 a.m.	0.49	0.12	0.39	0.60	0.63	0.67	0.69	0.81							
	14-15	12:25 p.m.	7:30 a.m.	3.88	10:44 p.m.	11:30 p.m.	0.01	0.19	0.62	0.86	0.97	1.07	1.30	1.49	1.72	1.94	1.98				
St. Paul, Minn.	10			0.52														0.42			

[1] July. * Self-register not working. † Record partly estimated. ‡ No precipitation occured 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 August, 1916, 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.
Salt Lake City, Utah	5			0.24														0.21			
San Antonio, Tex	29	4:16 p.m.	6:25 p.m.	2.28	4:20 p.m.	4:57 p.m.	0.02	0.21	0.78	1.31	1.63	1.88	2.10	2.18	2.22						
San Diego, Cal	24			0.01														0.01			
Sand Key, Fla	2	7:35 a.m.	2:45 p.m.	0.84	8:07 a.m.	8:41 a.m.	0.10	0.06	0.21	0.32	0.39	0.44	0.60	0.69							
Sandusky, Ohio	11	D. N. a. m.	D. N. a. m.	0.81	2:20 a.m.	2:47 a.m.	0.06	0.06	0.08	0.10	0.27	0.48	0.52								
San Francisco, Cal	13-14			0.22														0.12			
San Jose, Cal	26			0.01														0.01			
San Luis Obispo, Cal	27			T.														T.			
Santa Fe, N. Mex	15	7:30 p.m.	8:35 p.m.	0.47	7:35 p.m.	7:56 p.m.	0.01	0.17	0.30	0.35	0.41	0.43									
Sault Ste. Marie, Mich	7	6:35 a.m.	9:00 a.m.	1.07	6:42 a.m.	6:55 p.m.	0.01	0.61	0.85	0.92											
	31	3:30 p.m.	4:45 p.m.	0.68	3:50 p.m.	4:04 p.m.	0.04	0.25	0.45	0.54											
Savannah, Ga	24	4:13 p.m.	5:26 p.m.	1.84	4:18 p.m.	5:18 p.m.	0.01	0.19	0.50	0.57	0.58	0.70	0.89	1.05	1.13	1.27	1.39	1.81			
	28	2:54 p.m.	6:30 p.m.	1.95	3:33 p.m.	4:37 p.m.	0.01	0.08	0.12	0.32	0.62	0.79	1.00	1.09	1.25	1.40	1.54	1.76	1.88		
Scranton, Pa	27			0.10														0.08			
Seattle, Wash	18			0.06														0.04			
Sheridan, Wyo	8			0.05														0.05			
Shreveport, La	23			0.24														0.16			
Sioux City, Iowa	6-7	9:00 p.m.	D. N. a. m.	1.17	9:10 p.m.	9:30 p.m.	0.05	0.23	0.54	0.76	0.84										
	9-10	12:20 p.m.	D. N. a. m.	0.58	10:29 p.m.	10:47 p.m.	0.03	0.10	0.26	0.35	0.41										
Spokane, Wash	8			0.34														0.14			
Springfield, Ill	3	3:40 p.m.	6:35 p.m.	0.55	3:51 p.m.	4:00 p.m.	0.01	0.24	0.49												
	7	5:45 p.m.	D. N. p. m.	0.92	5:50 p.m.	6:26 p.m.	0.01	0.11	0.20	0.21	0.28	0.48	0.62	0.71	0.72						
Springfield, Mo	2	3:17 p.m.	5:40 p.m.	1.85	3:44 p.m.	4:31 p.m.	0.01	0.16	0.23	0.43	0.57	0.73	0.90	1.08	1.43	1.70	1.78				
	9	12:25 p.m.	1:45 p.m.	1.11	12:31 p.m.	1:30 p.m.	0.01	0.15	0.35	0.63	0.64	0.64	0.65	0.74	0.80	0.82	0.90	1.08			
	9	3:02 p.m.	7:30 p.m.	0.90	3:40 p.m.	3:55 p.m.	0.12	0.25	0.51	0.62											
Syracuse, N. Y	8			0.61														0.55			
Tacoma, Wash	17			0.18														0.09			
Tampa, Fla	4	4:55 p.m.	8:15 p.m.	1.67	5:02 p.m.	6:19 p.m.	0.01	0.16	0.39	0.52	0.65	0.73	0.87	1.00	1.10						
	6	2:20 p.m.	4:45 p.m.	1.64	2:39 p.m.	3:39 p.m.	0.02	0.19	0.43	0.52	0.56	0.58	0.63	0.73	0.84	0.98	1.24	1.50			
	9	2:02 p.m.	6:05 p.m.	1.88	2:06 p.m.	2:46 p.m.	0.01	0.05	0.30	0.73	1.07	1.31	1.55	1.66	1.71						
Tatoosh Island, Wash	2			0.05														0.05			
Taylor, Tex	22	5:25 p.m.	6:40 p.m.	0.85	5:59 p.m.	6:19 p.m.	0.02	0.18	0.57	0.71	0.79										
Terre Haute, Ind	14-15	7:05 p.m.	8:20 a.m.	1.54	4:48 a.m.	5:05 a.m.	0.78	0.10	0.26	0.36	0.42										
Thomasville, Ga	6	9:48 a.m.	11:20 a.m.	0.60	9:52 a.m.	10:10 a.m.	0.01	0.16	0.31	0.31	0.40										
Toledo, Ohio	8	12:03 a.m.	12:11 a.m.	0.55	1:15 a.m.	12:34 a.m.	0.03	0.12	0.24	0.36	0.43	0.49									
Tonopah, Nev	27			0.39														0.14			
Topeka, Kans	14			0.19														0.16			
Valentine, Nebr	20-21	3:55 p.m.	D. N. a. m.	3.33	4:19 p.m.	4:36 p.m.	0.03	0.12	0.44	0.59	0.64										
Vicksburg, Miss	8	5:20 p.m.	9:20 p.m.	2.13	6:31 p.m.	7:20 p.m.	0.02	0.17	0.23	0.30	0.51	0.86	1.12	1.19	1.27	1.33	1.40				
Walla Walla, Wash	17			0.12														0.08			
Washington, D. C	*6	1:20 p.m.	3:10 p.m.	1.46														1.13*			*1.46
	27	4:25 p.m.	5:30 p.m.	0.42	4:29 p.m.	4:38 p.m.	0.01	0.13	0.38												
Wichita, Kans	16			0.91														0.51			
Williston, N. Dak	1	8:55 p.m.	9:27 p.m.	0.38	9:08 p.m.	9:18 p.m.	0.01	0.27	0.37												
Wilmington, N. C	24	2:10 p.m.	3:04 p.m.	0.51	2:52 p.m.	3:02 p.m.	0.05	0.19	0.45												
Winnemucca, Nev	17			0.05														0.04			
Wytheville, Va	6	6:41 p.m.	8:25 p.m.	2.62	6:45 p.m.	7:48 p.m.	0.02	0.08	0.18	0.22	0.25	0.32	0.57	0.95	1.23	1.51	1.83	2.43	2.59		
	16	12:14 p.m.	1:24 p.m.	0.96	12:20 p.m.	12:45 p.m.	0.01	0.18	0.35	0.41	0.53	0.71									
	22	2:40 p.m.	5:00 p.m.	2.50	2:42 p.m.	3:20 p.m.	0.01	0.21	0.47	1.02	1.57	1.95	2.18	2.31	2.40						
Yankton, S. Dak	6-7	11:10 p.m.	12:10 a.m.	0.61	11:15 p.m.	11:35 p.m.	0.01	0.10	0.22	0.44	0.58										
Yellowstone Park, Wyo	7-8			0.46														0.18			

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

TABLE III.—*Data furnished by the Canadian Meteorological Service, August, 1916.*

Stations.	Altitude above M. S. L.* Jan. 1, 1916.	Pressure.			Temperature of the air.						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	29.67	29.80	−0.16	59.2	−0.6	67.8	50.6	80	42	2.25	−1.83	.....
Sydney, C. B. I.	48	29.90	*29.94*	− *.01*	65.3	+2.0	76.3	54.4	88	45	3.42	−0.20	.....
Halifax, N. S.	88	29.86	*29.96*	*.00*	65.5	+1.9	76.2	54.9	89	44	1.31	−3.04	.....
Yarmouth, N. S.	65	29.89	29.96	− .01	60.6	−0.4	68.2	53.1	79	42	1.42	−2.59	.....
Charlottetown, P. E. I.	38	29.88	29.92	− .02	66.3	+2.0	74.2	58.3	82	47	1.64	−2.10	.....
Chatham, N. B.	28	29.89	*29.91*	− *.02*	67.5	+4.3	78.3	56.8	94	43	2.85	−1.19	.....
Father Point, Que.	20	29.86	29.88	− .03	57.3	+1.7	65.7	48.9	77	44	2.18	−0.87	.....
Quebec, Que.	296	29.62	29.94	+ .01	66.6	+3.5	75.9	57.4	89	47	1.96	−1.87	.....
Montreal, Que.	187	29.73	29.93	+ .02	70.2	+3.8	79.3	61.2	92	54	1.46	−2.11	.....
Stonecliffe, Ont.	489	29.34	*29.94*	− *.02*	67.2	+4.0	80.4	54.1	96	42	2.75	−0.20	.....
Ottawa, Ont.	230	29.68	*29.94*	− *.02*	69.3	+4.5	80.2	58.3	94	46	1.81	−1.22	.....
Kingston, Ont.	285	29.66	29.96	− .02	68.6	+1.6	76.9	60.3	88	47	2.67	+0.29	.....
Toronto, Ont.	379	29.58	*29.97*	− *.02*	71.9	+5.9	83.9	60.0	98	46	1.56	−1.20	.....
White River, Ont.	1,244	28.62	*29.91*	− *.05*	58.9	+2.5	73.7	44.2	90	24	2.97	−0.33	.....
Port Stanley, Ont.	592	29.38	30.01	+ .01	69.3	+3.4	79.5	59.2	89	47	5.86	−3.44	.....
Southampton, Ont.	656	29.30	.....	.....	68.5	+4.7	77.2	59.9	91	46	1.76	−0.49	.....
Parry Sound, Ont.	688	29.29	29.97	− .01	69.6	+6.1	81.9	57.3	98	45	2.00	−0.72	.....
Port Arthur, Ont.	644	29.24	29.95	− .01	63.0	+3.5	73.0	53.0	84	39	5.54	+2.79	.....
Winnipeg, Man.	760	29.09	29.91	− .03	64.8	+1.4	76.3	53.4	93	38	2.35	−0.32	.....
Minnedosa, Man.	1,620	28.13	29.92	− .02	60.7	+1.3	73.8	47.7	91	34	1.18	+0.08	.....
Qu'Appelle, Sask.	2,115	27.66	29.88	− .05	60.8	−0.7	74.6	47.0	89	33	2.99	+1.35	.....
Medicine Hat, Alberta.	2,144	27.64	*29.88*	− *.04*	65.2	−0.5	79.7	50.8	90	38	1.69	+0.02	.....
Swift Current, Sask.	2,392	27.36	*29.89*	− *.04*	60.6	−3.4	75.1	46.1	88	32	2.54	+0.63	.....
Calgary, Alberta.	3,428	26.45	*29.93*	+ *.02*	60.5	+1.1	73.7	47.2	85	39	2.03	−0.11	.....
Banff, Alberta.	4,521	25.42	29.93	+ .02	55.4	−0.9	70.1	40.7	80	33	3.30	−0.77	1.0
Edmonton, Alberta.	2,150	27.64	*29.88*	− *.01*	58.1	−0.7	70.0	46.2	81	32	3.70	+1.57	.....
Prince Albert, Sask.	1,450	28.34	*29.87*	− *.05*	60.2	+1.3	73.0	47.4	85	30	1.66	−0.49	.....
Battleford, Sask.	1,592	28.18	*29.90*	− *.01*	60.3	−2.3	72.5	48.1	84	34	4.70	+2.34	.....
Kamloops, B. C.	1,262	28.71	*29.97*	+ *.06*	68.2	−0.4	83.2	53.2	94	45	0.39	−0.70	.....
Victoria, B. C.	230	29.76	30.01	.00	59.1	+0.4	67.2	51.1	86	48	T.	−0.60	.....
Barkerville, B. C.	4,180	25.77	30.07	+ .17	52.3	+4.0	65.0	39.6	76	30	0.56	−2.54	.....
Hamilton, Bermuda.	151	29.94	30.10	.00	78.1	−1.5	83.1	73.1	85	69	5.42	−0.66	.....

* The altitudes given were furnished by the Director, Canadian Meteorological Service, Mar. 9, 1916, and refer to cisterns of barometers at the respective stations. Where sea-level pressures and departures are *italicized* new reduction factors are in course of computation.—C. A., jr.