DESCRIPTION OF TABLES AND CHARTS.

Table I gives the data ordinarily needed for climatological studies for about 158 Weather Bureau stations making simultaneous observations at 8 a. m. and 8 p. m., daily, 75th meridian time and for about 41 others making only one observation. The altitudes of the instruments above ground are also given.

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

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

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

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

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

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

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 and (Chart III) the lowest reading reported at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart IV.—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.

TABLE I.—*Climatological data for United States Weather Bureau stations, May, 1915.*

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
New England.							**52.8**	**− 1.7**										**71**	**2.30**	**− 1.0**										**5.6**		
Eastport	76	67	85	29.74	29.82	−0.14	46.6	− 0.3	69	23	54	33	27	40	29	43	39	78	3.14	− 0.7	11	7,433	s.	48	ne.	1	6	10	15	7.0	0.1	....
Greenville	1,070	6	....	28.69	29.85	.....	47.6	.....	79	12	58	22	27	37	41	....	....	....	2.99	.....	13	....	....	....	....	....	....	....	....	....	3.0	....
Portland, Me.	103	82	117	29.76	29.88	− .09	52.2	− 1.3	81	12	61	35	27	44	35	46	39	63	2.05	− 1.6	9	7,438	nw.	36	nw.	28	12	4	15	5.5	....	....
Concord	288	70	73	29.57	29.88	− .10	52.6	− 3.1	78	12	65	32	15	41	41	....	....	....	0.99	− 2.2	9	4,538	nw.	31	nw.	28	14	7	10	4.5	....	....
Burlington	404	11	48	29.46	29.90	− .07	51.2	− 2.7	78	12	61	33	30	42	32	....	....	....	1.73	− 1.1	10	7,258	nw.	40	s.	22	4	17	10	5.9	....	....
Northfield	876	12	60	28.96	29.91	− .06	47.6	− 5.9	76	12	60	27	30	35	42	44	38	67	1.56	− 1.2	14	5,831	s.	34	s.	7	8	9	14	6.2	....	....
Boston	125	115	188	29.75	29.89	− .09	56.0	0.0	80	22	65	39	27	48	28	50	43	63	1.64	− 1.9	9	7,836	w.	31	nw.	13	13	7	11	4.8	....	....
Nantucket	12	14	90	29.88	29.89	− .10	52.6	− 0.4	70	7	59	41	30	46	21	48	45	81	4.01	+ 1.3	12	10,704	sw.	42	n.	26	9	14	8	5.4	....	....
Block Island	26	11	46	29.87	29.90	− .09	52.8	− 0.1	66	11	58	41	2	47	19	50	48	86	3.11	− 0.6	12	11,420	sw.	50	nw.	26	10	9	12	5.5	....	....
Narragansett Pier	....	9	....	....	....	....	55.4	− 1.3	72	9	62	38	27	45	30	....	....	....	3.10	.....	12	....	sw.	....	....	....	16	8	7	....	....	....
Providence	160	215	251	29.72	29.89	− .09	55.8	− 2.7	75	9	65	39	27	47	29	49	42	64	1.82	− 1.6	10	10,087	nw.	48	nw.	26	9	12	10	5.2	....	....
Hartford	159	122	140	29.73	29.91	− .07	55.8	− 1.3	78	31	66	39	27	46	36	49	43	66	2.53	− 1.0	11	5,570	nw.	29	se.	29	9	9	13	5.7	....	....
New Haven	106	117	155	29.80	29.91	− .08	56.7	− 0.9	76	11	66	40	27	48	32	50	44	67	2.72	− 0.9	13	6,409	nw.	36	nw.	26	9	8	14	5.7	....	....
Middle Atlantic States.							**60.0**	**− 1.7**										**70**	**3.18**	**− 0.3**										**5.9**		
Albany	97	102	115	29.80	29.90	− .08	54.8	− 4.1	77	31	64	38	27	46	33	48	41	63	1.92	− 1.1	12	5,605	s.	29	s.	7	12	6	13	5.1	....	....
Binghamton	871	10	69	28.99	29.93	− .05	52.6	− 4.4	76	31	62	34	16	43	35	....	....	....	2.31	− 0.8	14	3,668	nw.	22	nw.	26	6	7	18	6.8	....	....
New York	314	414	454	29.58	29.91	− .08	57.7	− 1.6	76	22	65	41	27	50	26	50	43	62	3.23	0.0	12	11,270	nw.	57	nw.	21	8	9	14	6.3	....	....
Harrisburg	374	94	104	29.55	29.94	− .04	58.4	− 3.3	77	8	67	41	27	50	26	51	45	64	2.84	− 0.8	13	2,815	e.	20	nw.	5	6	10	15	6.6	....	....
Philadelphia	117	123	190	29.82	29.94	− .05	60.9	− 1.3	81	22	69	44	27	53	25	54	49	69	4.12	+ 0.9	13	7,058	nw.	40	n.	26	10	5	16	6.0	....	....
Reading	325	81	98	29.59	29.94	.....	58.3	.....	78	8	67	41	27	49	32	51	44	63	3.46	+ 0.1	12	4,789	nw.	29	nw.	26	6	8	17	6.8	....	....
Scranton	805	111	119	29.08	29.94	− .04	54.6	− 4.2	76	11	64	37	15	46	33	49	43	66	3.30	− 0.1	16	4,629	nw.	24	se.	7	5	10	16	6.6	....	....
Atlantic City	52	37	48	29.88	29.94	− .04	58.1	+ 0.6	79	23	65	44	27	51	24	53	49	75	3.21	+ 0.2	12	5,888	sw.	29	s.	7	6	11	14	6.5	....	....
Cape May	18	13	49	29.94	29.96	− .03	59.0	+ 0.4	70	23	66	43	27	52	20	....	....	....	3.33	+ 0.3	13	6,183	s.	30	e.	30	9	14	8	5.3	....	....
Sandy Hook	22	10	57	29.90	29.92	.....	58.0	.....	77	22	65	46	1	51	24	55	54	92	3.15	.....	14	9,739	w.	58	nw.	26	11	8	12	5.7	....	....
Trenton	199	159	183	29.72	29.92	.....	58.4	.....	79	22	67	42	27	50	30	52	46	67	4.33	+ 0.8	13	7,343	w.	37	w.	9	10	7	14	6.2	....	....
Baltimore	123	100	113	29.81	29.94	− .05	62.2	− 2.0	85	22	70	43	27	54	28	55	49	67	3.19	− 0.4	14	4,876	n.	30	n.	26	6	12	13	6.2	....	....
Washington	112	62	85	29.80	29.92	− .08	62.5	− 1.7	86	22	72	42	27	53	32	54	49	65	2.18	− 1.6	11	4,333	nw.	28	nw.	22	7	12	12	6.3	....	....
Lynchburg	681	153	188	29.18	29.92	− .08	65.4	− 0.5	90	16	76	44	18	55	31	58	55	73	1.99	− 2.0	10	5,513	e.	41	nw.	23	2	21	8	6.2	....	....
Norfolk	91	170	205	29.84	29.94	− .05	66.0	− 0.2	88	16	74	47	28	58	32	59	55	74	4.82	+ 0.8	14	9,251	se.	42	s.	7	8	14	9	5.7	....	....
Richmond	144	11	52	29.78	29.93	− .06	66.0	− 1.3	89	16	76	47	18	56	31	58	54	72	3.00	− 0.8	11	5,843	s.	30	ne.	27	12	10	9	5.0	....	....
Wytheville	2,293	40	47	27.59	29.92	− .07	61.2	− 0.2	84	23	72	38	10	50	37	55	52	75	3.64	− 0.4	16	4,081	w.	26	w.	22	18	10	3	3.6	....	....
South Atlantic States.							**72.0**	**+ 2.2**										**76**	**5.93**	**+ 2.1**										**4.9**		
Asheville	2,255	70	84	27.62	29.92	− .07	63.8	+ 1.2	85	15	74	46	10	54	33	57	53	73	4.53	+ 0.8	17	6,059	nw.	42	e.	11	9	16	6	4.9	....	....
Charlotte	773	152	161	29.07	29.90	− .09	69.3	+ 0.9	89	16	78	53	20	61	26	62	57	72	5.47	+ 1.6	15	7,282	ne.	36	nw.	7	3	17	11	6.9	....	....
Hatteras	11	12	50	29.92	29.93	− .08	68.3	+ 1.2	83	23	74	54	27	63	19	64	62	83	4.51	+ 0.4	15	10,475	sw.	47	ne.	27	6	17	8	6.2	....	....
Manteo	12	4	46	....	....	.....	67.0	.....	92	16	76	37	28	58	....	....	....	....	6.47	.....	10	....	....	....	....	....	11	13	7	....	....	....
Raleigh	376	103	110	29.52	29.92	− .07	69.0	+ 0.9	91	16	78	52	31	60	28	61	57	72	4.40	− 0.5	18	5,650	sw.	34	w.	4	9	11	11	6.0	....	....
Wilmington	78	81	91	29.85	29.93	− .08	71.9	+ 2.8	94	16	80	55	28	64	25	66	63	81	3.59	− 0.4	13	6,380	sw.	28	ne.	27	7	15	9	5.7	....	....
Charleston	48	11	92	29.88	29.93	− .08	75.5	+ 3.1	96	16	82	60	6	69	23	69	66	78	8.92	+ 5.4	10	8,064	sw.	46	ne.	27	11	8	12	5.5	....	....
Columbia, S. C.	351	41	57	29.55	29.92	− .08	73.1	+ 1.3	95	26	83	56	10	64	29	65	60	70	5.62	+ 2.4	15	4,955	sw.	34	sw.	29	9	12	10	6.0	....	....
Augusta	180	89	97	29.73	29.92	− .07	75.0	+ 2.8	94	15	81	57	6	66	29	67	62	70	7.46	+ 4.2	12	4,811	w.	39	nw.	7	9	10	12	6.0	....	....
Savannah	65	150	164	29.83	29.93	− .07	76.4	+ 3.9	97	26	85	60	6	68	26	70	68	84	11.13	+ 8.1	15	8,943	sw.	52	se.	26	9	10	12	5.9	....	....
Jacksonville	43	249	245	29.90	29.95	− .05	77.8	+ 3.6	95	25	83	62	13	70	27	70	67	78	3.67	− 0.6	13	8,634	sw.	64	sw.	8	7	12	12	6.1	....	....
Florida Peninsula.							**78.9**	**+ 1.2**										**79**	**5.93**	**+ 1.7**										**4.3**		
Key West	22	10	64	29.91	29.93	− .04	80.1	+ 1.1	89	29	86	68	2	75	16	74	72	77	7.61	+ 4.2	10	6,400	se.	39	sw.	13	17	12	2	3.4	....	....
Miami	25	71	79	29.93	29.96	.....	78.0	− 0.6	87	29	83	64	1	73	18	73	71	78	3.32	− 3.0	7	6,562	se.	24	ne.	31	8	14	9	5.5	....	....
Sand Key	23	39	72	29.89	29.92	− 0.5	78.9	.....	88	29	82	69	12	76	19	75	74	84	4.12	.....	8	7,863	se.	60	w.	12	20	8	3	3.0	....	....
Tampa	35	79	96	29.91	29.94	− 0.5	78.7	+ 3.2	92	16	87	65	3	70	23	72	69	76	6.87	+ 4.0	8	4,909	sw.	44	s.	9	9	13	9	5.2	....	....
East Gulf States.							**74.9**	**+ 2.6**										**73**	**6.21**	**+ 2.7**										**4.9**		
Atlanta	1,174	190	216	28.71	29.93	− .06	71.5	+ 2.0	91	26	81	54	28	62	26	63	59	71	6.11	+ 3.0	10	7,860	w.	42	nw.	30	10	11	10	5.6	....	....
Macon	370	78	87	29.52	29.91	− .08	76.0	+ 4.9	95	26	86	56	6	66	30	67	63	72	4.94	+ 2.1	10	4,339	se.	24	s.	7	10	13	8	5.2	....	....
Thomasville	273	8	57	29.63	29.92	− .07	77.8	+ 3.8	98	25	89	56	6	67	33	69	66	78	8.75	+ 4.7	12	3,946	sw.	25	sw.	7	12	10	9	5.1	....	....
Pensacola	56	140	182	29.85	29.91	− .08	75.8	+ 1.0	89	16	82	61	11	70	21	70	68	79	9.92	+ 7.2	8	9,374	sw.	44	sw.	11	13	9	9	5.1	....	....
Anniston	741	9	57	29.14	29.92	− .07	72.5	+ 4.1	92	26	84	50	5	61	30	....	....	....	5.85	+ 2.8	10	4,232	w.	31	n.	7	14	12	5	4.4	....	....
Birmingham	700	11	48	29.17	29.92	− .06	73.1	+ 1.5	97	26	82	52	10	64	28	65	61	70	6.14	+ 3.0	7	4,847	s.	36	se.	6	8	17	6	5.3	....	....
Mobile	57	125	161	29.84	29.90	− .09	76.2	+ 2.6	92	14	84	61	12	68	26	69	66	76	4.67	+ 0.7	9	7,155	sw.	38	se.	6	15	12	4	4.3	....	....
Montgomery	223	100	112	29.67	29.91	− .08	76.6	+ 3.1	96	25	86	60	10	67	28	67	63	69	7.42	+ 3.6	10	4,658	s.	30	w.	27	15	8	8	4.1	....	....
Meridian	375	85	93	29.50	29.89	− .09	73.2	+ 2.1	94	25	83	54	13	63	30	66	63	74	6.90	+ 3.0	9	3,807	sw.	34	se.	6	15	9	7	4.8	....	....
Vicksburg	247	65	74	29.62	29.90	− .07	73.8	+ 0.9	90	26	83	57	8	65	26	66	62	72	3.96	− 0.3	10	5,108	s.	33	nw.	27	11	11	9	5.1	....	....
New Orleans	51	76	84	29.85	29.90	− .07	77.4	+ 2.9	93	25	86	61	7	69	23	69	66	74	3.64	− 0.2	9	5,085	sw.	36	nw.	7	12	12	7	4.4	....	....
West Gulf States.							**73.2**	**+ 0.2**										**75**	**3.60**	**− 0.6**										**5.5**		
Shreveport	249	77	93	29.61	29.87	− .08	74.6	+ 1.4	92	14	84	55	8	65	32	66	61	68	1.81	− 2.4	5	5,803	s.	29	e.	27	11	8	12	5.3	....	....
Bentonville	1,303	11	44	28.49	29.84	− .09	64.7	+ 1.7	88	13	75	41	9	54	32	....	....	....	10.12	+ 4.9	14	4,031	s.	25	w.	20	10	8	13	5.8	....	....
Fort Smith	457	79	94	29.37	29.84	− .09	69.6	− 0.1	92	14	80	46	8	60	31	62	58	73	6.65	+ 1.7	13	5,816	e.	43	se.	21	9	6	16	6.0	....	....
Little Rock	357	139	147	29.50	29.86	− .09	70.4	0.0	91	14	80	47	8	61	30	63	60	73	4.38	− 0.7	11	6,969	s.	50	s.	23	11	13	7	4.8	....	....
Brownsville	57	3	40	....	....	.....	78.8	.....	97	30	88	58	9	70	30	....	....	....	0.50	.....	3	....	....	40	.....	31	....	....	....	....	....	....
Corpus Christi	20	69	77	29.82	29.83	− .07	76.0	− 0.5	86	13	81	62	12	71	23	71	69	81	3.22	+ 0.4	5	11,540	se.	46	nw.	31	5	14	12	6.2	....	....
Dallas	512	109	117	29.30	29.84	.....	73.2	.....	92	29	83	50	8	64	31	....	....	....	1.73	.....	9	7,515	se.	54	s.	30	9	10	12	5.8	....	....
Fort Worth	670	106	114	29.12	29.82	− .09	72.7	− 0.5	92	29	82	48	7	63	34	64	59	68	2.49	− 1.7	10	7,786	s.	42	nw.	29	10	4	17	5.8	....	....
Galveston	54	106	114	29.82	29.88	− .06	75.5	+ 0.1	85	12	80	64	8	71	17	70	67	81	2.70	− 0.5	6	9,613	s.	48	w.	30	10	16	5	4.6	....	....
Houston	138	111	121	29.72	29.86	.....	75.9	+ 0.4	90	14	84	57	8	68	26	....	....	....	1.39	.....	7	7,110	se.	30	sw.	30	10	13	8	5.0	....	....
Palestine	510	64	72	29.32	29.84	− .09	73.3	+ 0.8	96	26	82	53	8	64	28	67	64	78	1.51	− 3.4	9	5,695	s.	37	w.	27	10	8	13	5.6	....	....
San Antonio	701	109	132	29.10	29.82	− .08	75.6	+ 0.8	91	24	85	56	11	66	28	67	63	73	1.89	− 1.1	12	6,400	s.	35	se.	4	8	19	4	5.3	....	....
Taylor	582	55	63	29.26	29.87	− .04	74.4	+ 0.1	92	24	84	53	8	65	30	....	....	....	1.27	− 2.7	6	7,381	se.	34	nw.	30	9	13	9	5.5	....	....

TABLE I.—*Climatological data for United States Weather Bureau stations, May, 1915*—Continued.

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.													Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Ohio Valley and Tennessee.							**63.5**	**− 1.6**										**70**	**4.69**	**+ 1.0**										**6.7**		
Chattanooga	762	189	213	29.13	29.92	−0.07	71.0	+ 2.4	91	15	80	52	10	61	28	62	57	67	4.62	+ 1.0	15	6,331	ne.	32	nw.	17	7	17	7	5.6	....	....
Knoxville	996	93	100	28.87	29.91	− .08	69.0	+ 2.5	91	15	80	49	5	59	32	61	56	68	3.59	− 0.1	17	4,236	sw.	30	n.	25	5	14	12	6.3	....	....
Memphis	399	76	97	29.49	29.90	− .06	71.2	+ 0.5	90	26	80	53	8	63	27	63	59	70	5.70	+ 1.4	11	6,592	sw.	44	nw.	23	7	14	10	5.9	....	....
Nashville	546	168	191	29.34	29.91	− .07	70.1	+ 1.3	91	15	80	45	10	60	28	61	56	68	4.94	+ 1.4	9	7,272	w.	46	nw.	22	9	10	12	5.5	....	....
Lexington	989	75	102	28.84	29.89	− .10	62.4	− 1.9	87	15	71	41	18	54	29	....	....	....	7.23	+ 3.7	16	7,196	e.	43	nw.	25	7	9	15	6.2	....	....
Louisville	525	219	255	29.34	29.92	− .06	64.2	− 2.5	89	15	73	46	18	55	29	58	55	75	4.62	+ 1.0	16	8,294	se.	74	nw.	25	5	8	18	7.1	....	....
Evansville	431	72	82	29.42	29.89	− .08	65.2	− 1.9	89	13	74	45	10	56	32	59	55	73	7.96	+ 4.5	20	5,792	ne.	44	sw.	3	6	10	15	6.6	....	....
Indianapolis	822	154	164	29.02	29.90	− .07	59.7	− 3.6	82	15	69	42	1	51	29	53	48	69	3.94	0.0	18	7,658	e.	42	sw.	8	1	11	19	7.6	....	....
Terre Haute	575	96	129	29.27	29.88	....	61.2	....	89	15	70	43	10	52	31	55	51	73	6.23	....	16	7,250	e.	45	nw.	25	2	14	15	7.3	....	....
Cincinnati	628	11	51	29.24	29.91	− .08	60.2	− 4.9	82	21	70	38	10	50	31	55	51	74	5.56	+ 2.0	21	5,410	ne.	30	sw.	21	3	9	19	7.5	....	....
Columbus	824	173	222	29.05	29.92	− .06	58.2	− 3.1	82	21	68	39	27	49	30	52	47	69	2.57	− 1.2	14	8,191	e.	45	w.	4	1	9	21	7.7	....	....
Dayton	899	181	216	28.94	29.89	....	58.8	− 4.1	82	21	68	39	18	49	30	53	49	73	4.76	+ 0.9	16	7,152	ne.	45	se.	7	8	10	13	5.9	....	....
Pittsburgh	842	353	410	29.02	29.92	− .07	58.0	− 4.6	81	21	67	40	27	49	30	51	45	64	3.84	+ 0.5	15	7,899	w.	46	w.	4	4	9	18	7.3	....	....
Elkins	1,940	41	50	27.90	29.92	− .07	58.8	− 0.3	82	21	70	35	11	48	39	52	47	70	2.86	− 1.1	16	3,114	w.	25	w.	4	2	10	19	7.5	....	....
Parkersburg	638	77	84	29.28	29.94	− .05	61.6	− 1.7	86	21	71	40	10	52	32	55	50	70	3.47	0.0	16	4,090	n.	44	nw.	21	6	11	14	6.8	....	....
Lower Lake Region.							**52.9**	**− 4.5**										**71**	**2.62**	**− 0.5**										**6.2**		
Buffalo	767	247	280	29.10	29.93	− .04	51.1	− 3.4	73	11	58	36	19	44	26	46	42	74	1.86	− 1.2	13	11,442	sw.	54	sw.	8	7	10	14	6.4	T.	....
Canton	448	10	61	29.44	29.92	....	50.7	− 5.5	75	12	60	30	16	41	32	....	....	....	1.57	− 1.3	14	8,263	w.	44	sw.	9	13	7	11	4.8	....	....
Oswego	335	76	91	29.55	29.92	− .05	50.2	− 4.5	75	12	57	35	10	43	26	45	40	69	1.38	− 1.5	11	6,822	w.	28	s.	7	11	9	11	5.4	....	....
Rochester	523	97	113	29.37	29.95	− .02	52.6	− 4.1	78	12	61	36	19	44	27	47	40	64	2.10	− 0.8	10	6,263	w.	30	w.	8	11	4	16	5.9	....	....
Syracuse	597	97	113	29.29	29.94	− .04	52.0	− 5.3	73	12	60	37	27	44	27	46	40	66	2.02	− 1.4	10	7,530	w.	38	s.	7	9	6	16	6.1	....	....
Erie	714	130	166	29.16	29.93	− .05	53.7	− 3.6	76	21	61	39	27	46	24	48	44	72	3.20	− 0.2	10	9,346	ne.	48	sw.	21	5	14	12	6.2	....	....
Cleveland	762	190	201	29.11	29.93	− .05	54.2	− 4.3	79	21	61	39	18	47	23	49	44	73	3.13	− 0.1	12	8,821	ne.	46	n.	26	3	17	11	6.6	....	....
Sandusky	629	62	103	29.24	29.92	− .06	54.8	− 4.4	81	21	62	37	18	48	25	50	45	72	3.00	− 0.2	16	9,121	e.	40	w.	8	5	10	16	6.7	....	....
Toledo	628	208	243	29.25	29.93	− .04	54.8	− 4.9	82	12	63	37	19	46	28	50	46	74	4.27	+ 1.0	15	10,919	ne.	61	sw.	21	8	13	10	5.8	....	....
Fort Wayne	856	113	124	29.00	29.92	....	55.2	− 5.0	81	12	65	35	5	46	29	50	46	72	4.60	....	16	7,462	ne.	44	sw.	21	4	6	21	7.3	....	....
Detroit	730	218	245	29.14	29.94	− .03	53.0	− 4.9	79	12	62	35	27	44	28	47	42	70	3.69	+ 0.4	16	9,050	e.	54	sw.	21	4	12	15	6.7	....	....
Upper Lake Region.							**49.3**	**− 3.3**										**73**	**3.26**	**− 0.2**										**6.4**		
Alpena	609	13	92	29.28	29.95	− .02	48.6	− 0.9	74	11	57	29	18	40	34	44	38	68	1.78	− 1.6	7	8,621	se.	40	se.	7	4	17	10	6.1	T.	....
Escanaba	612	54	60	29.28	29.94	− .03	47.6	− 2.4	70	31	55	28	18	40	26	48	37	70	2.54	− 0.9	10	7,753	n.	33	ne.	18	8	8	15	6.1	T.	....
Grand Haven	632	54	92	29.23	29.91	− .05	50.6	− 4.2	73	31	59	34	19	42	31	46	40	72	2.94	− 0.4	17	8,491	e.	34	sw.	7	10	12	9	5.5	T.	....
Grand Rapids	707	70	87	29.16	29.93	− .04	53.3	− 5.7	81	12	63	34	18	44	30	47	41	67	2.61	− 0.7	13	5,364	e.	26	w.	21	6	11	14	6.8	0.2	....
Houghton	684	62	72	29.22	29.95	− .02	46.2	− 3.5	83	11	55	30	19	38	45	....	....	....	3.61	+ 0.3	15	6,642	e.	42	w.	11	9	10	12	5.8	0.3	....
Lansing	878	11	62	28.98	29.93	....	51.5	− 6.4	80	12	62	30	27	41	36	48	44	78	2.74	− 0.8	14	4,671	ne.	30	sw.	21	7	5	19	6.9	0.4	....
Ludington	637	60	66	29.22	29.92	....	49.6	....	73	12	58	32	27	41	31	46	43	79	2.79	....	13	8,056	e.	37	sw.	7	6	12	13	6.4	T.	....
Marquette	734	77	111	29.18	29.99	+ .02	45.6	− 3.4	83	11	53	30	26	38	32	41	36	71	3.12	− 0.2	14	6,343	nw.	40	sw.	11	7	6	18	7.1	0.2	....
Port Huron	638	70	120	29.24	29.93	− .04	50.6	− 3.1	80	21	59	32	19	42	31	45	41	74	1.83	− 1.4	13	7,832	ne.	42	w.	7	5	14	12	6.1	T.	....
Saginaw	641	48	82	29.25	29.95	....	51.6	....	79	12	61	34	27	42	31	46	41	71	2.48	− 1.6	13	7,221	ne.	37	sw.	21	6	8	17	6.9	....	....
Sault Ste. Marie	614	11	61	29.26	29.96	+ .01	48.6	+ 0.9	74	31	58	30	27	39	35	43	37	66	1.69	− 1.6	8	6,385	w.	31	se.	7	6	10	15	6.4	T.	....
Chicago	822	140	310	29.02	29.92	− .04	54.1	− 2.4	86	12	60	41	17	48	27	49	45	75	7.04	+ 3.7	18	8,912	ne.	46	sw.	21	6	9	16	6.6	....	....
Green Bay	617	109	144	29.26	29.92	− .03	50.8	− 3.7	81	12	58	32	17	43	31	46	42	76	3.32	− 0.2	13	8,941	ne.	44	ne.	26	6	9	16	7.0	T.	....
Milwaukee	681	119	133	29.18	29.91	− .05	49.8	− 3.8	84	12	56	33	17	44	33	45	41	76	6.79	+ 3.4	17	9,023	ne.	46	sw.	21	5	10	16	6.6	T.	....
Duluth	1,133	11	47	28.74	29.97	+ .01	44.2	− 4.4	78	11	52	27	18	37	41	41	37	80	3.22	− 0.2	13	11,795	ne.	49	ne.	15	7	11	13	6.3	T.	....
North Dakota.							**51.4**	**− 2.8**										**65**	**3.11**	**+ 0.6**										**6.0**		
Moorhead	940	8	57	28.92	29.94	.00	51.7	− 3.1	80	31	62	29	18	41	40	47	42	74	3.93	+ 1.0	17	6,614	e.	40	se.	15	12	6	13	5.3	2.3	....
Bismarck	1,674	8	57	28.17	29.96	+ .04	51.0	− 4.2	83	10	62	24	18	40	38	44	38	67	4.43	+ 1.9	16	8,360	e.	48	e.	14	7	7	17	6.7	T.	....
Devils Lake	1,482	11	44	28.36	29.94	.00	50.7	− 2.0	79	31	63	22	6	39	41	43	36	62	2.13	− 0.1	9	9,360	e.	42	ne.	2	7	9	15	5.9	0.4	....
Williston	1,872	40	47	27.94	29.92	− .01	52.4	− 1.9	80	9	64	22	8	41	46	45	36	58	1.95	− 0.3	8	7,123	se.	36	nw.	7	6	12	13	6.3	....	....
Upper Mississippi Valley.							**57.9**	**− 4.0**										**74**	**6.68**	**+ 2.5**										**6.4**		
Minneapolis	918	10	208	28.90	29.88	....	52.2	....	86	11	61	27	18	44	30	....	....	....	3.98	+ 0.1	19	9,636	e.	48	ne.	17	5	5	21	7.7	2.0	....
St. Paul	837	201	236	28.97	29.88	− .06	52.2	− 6.0	86	11	61	29	18	44	31	....	....	....	3.88	+ 0.3	20	9,496	e.	62	se.	14	2	12	17	7.4	1.0	....
La Crosse	714	11	48	29.10	29.87	− .07	54.1	− 5.4	83	12	63	33	9	45	32	....	....	....	5.23	+ 1.5	17	3,726	e.	19	sw.	7	5	4	22	7.4	T.	....
Madison	974	70	78	28.87	29.92	− .04	51.8	− 5.8	80	12	59	35	18	44	28	47	43	74	5.98	+ 2.4	18	7,473	e.	36	sw.	21	4	4	23	8.0	....	....
Charles City	1,015	10	49	28.79	29.87	− .07	53.2	− 6.3	83	11	62	32	9	44	34	50	47	83	7.87	+ 2.9	18	5,609	e.	27	e.	26	8	11	12	6.3	....	....
Davenport	606	71	79	29.21	29.86	− .09	57.4	− 4.1	91	13	67	38	17	48	35	51	46	70	6.07	+ 1.9	15	7,516	e.	39	e.	26	10	9	12	5.6	....	....
Des Moines	861	84	97	28.93	29.83	− .10	57.3	− 4.3	92	13	67	34	9	48	33	52	47	72	8.21	+ 3.6	17	6,692	e.	30	sw.	11	7	8	16	6.5	....	....
Dubuque	698	81	96	29.15	29.90	− .05	54.8	− 6.0	82	12	63	37	18	46	32	49	44	72	7.61	+ 3.3	18	5,447	e.	24	sw.	21	4	7	20	7.5	....	....
Keokuk	614	64	78	29.19	29.85	− .09	60.1	− 3.1	94	13	70	40	17	50	32	54	50	74	5.79	+ 1.5	13	6,499	sw.	35	w.	16	11	11	9	4.8	....	....
Cairo	356	87	93	29.48	29.86	− .10	68.0	+ 0.5	92	14	77	48	5	59	31	61	57	73	4.13	+ 0.3	11	6,539	sw.	36	n.	25	8	9	14	6.1	....	....
Peoria	609	11	45	29.22	29.88	− .08	58.6	− 3.1	90	13	69	37	9	48	39	53	50	77	11.49	+ 7.2	18	5,511	w.	36	sw.	3	7	9	15	6.3	....	....
Springfield, Ill	644	10	91	29.19	29.87	− .08	60.5	− 3.0	92	13	70	41	19	51	36	54	49	71	9.86	+ 5.4	17	6,654	w.	34	se.	19	10	6	15	6.0	....	....
Hannibal	534	74	109	29.27	29.84	− .10	60.6	− 3.8	92	13	70	38	9	51	34	....	....	....	5.77	+ 0.8	14	7,322	sw.	36	sw.	3	13	4	14	5.5	....	....
St. Louis	567	265	303	29.26	29.86	− .09	64.6	− 1.9	91	13	73	47	5	56	30	57	52	70	7.67	+ 3.4	15	9,514	e.	47	w.	3	14	7	10	5.0	....	....
Missouri Valley.							**58.4**	**− 3.6**										**72**	**5.78**	**+ 1.5**										**5.8**		
Columbia, Mo	781	11	84	29.01	29.83	− .11	62.6	− 1.9	90	13	72	39	9	53	32	....	....	....	6.32	+ 1.5	10	6,104	sw.	32	nw.	25	10	9	12	5.9	....	....
Kansas City	963	161	181	28.81	29.84	− .08	62.4	− 2.1	90	13	71	39	18	54	27	55	49	67	11.00	+ 5.9	12	9,399	s.	48	ne.	26	10	11	10	5.2	....	....
St. Joseph	967	11	49	28.80	29.83	....	61.6	....	93	14	71	37	9	52	36	54	49	70	8.28	....	14	6,882	nw.	36	w.	3	12	10	9	5.3	....	....
Springfield, Mo	1,324	98	104	28.47	29.85	− .08	63.2	− 1.4	86	14	72	42	17	54	30	57	53	73	6.52	+ 1.0	14	7,248	se.	48	nw.	20	16	8	7	3.9	....	....
Iola	984	11	50	28.78	29.81	− .11	62.4	− 2.1	89	15	73	40	9	52	34	....	....	....	7.77	+ 2.7	12	5,208	sw.	26	nw.	23	13	7	11	4.7	....	....
Topeka	983	85	101	....	....	....	61.5	− 3.5	91	14	71	40	18	52	32	....	....	....	9.23	+ 4.4	13	7,853	s.	42	sw.	23	13	9	9	5.2	....	....
Lincoln	1,189	11	84	28.57	29.82	− .09	59.0	− 3.9	96	14	69	33	9	49	42	52	47	71	4.77	+ 0.5	14	9,124	s.	40	nw.	16	10	11	10	5.5	....	....
Omaha	1,105	115	121	28.66	29.84	− .08	58.9	− 3.6	96	14	68	36	18	49	31	53	49	73	6.05	+ 1.6	15	7,276	nw.	34	ne.	26	9	9	13	6.3	....	....
Valentine	2,598	47	54	27.16	29.87	− .03	52.7	− 5.2	93	12	64	27	6	42	41	47	42	75	3.84	+ 0.5	12	8,328	nw.	43	nw.	14	4	12	15	7.2	1.7	....
Sioux City	1,135	94	164	28.63	29.84	− .08	56.4	− 4.4	92	14	66	32	9	47	38	51	46	72	5.05	+ 0.7	17	10,557	e.	64	nw.	7	10	9	12	6.0	....	....
Huron	1,306	59	74	28.51	29.91	− .01	52.7	− 4.6	88	12	63	27	18	43	39	48	46	81	2.05	− 0.9	12	8,963	nw.	40	nw.	7	7	12	12	6.2	....	....
Pierre	1,572	70	75	28.25	29.92	+ .01	53.6	− 5.7	92	12	64	30	18	44	34	47	42	70	2.56	+ 0.4	16	8,418	e.	44	nw.	15	5	12	14	6.7	....	....
Yankton	1,233	49	57	28.53	29.84	− .08	55.7	− 4.3	91	12	65	32	18	46	37	....	....	....	4.14	+ 0.2	14	6,643	nw.	47	ne.	26	2	12	17	7.4	T.	....

TABLE I.—*Climatological data for United States Weather Bureau stations, May, 1915*—Continued.

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Northern Slope.							50.5	− 2.5										67	2.75	+ 0.4										6.6		
Havre	2,505	11	44	27.26	29.88	−0.02	52.7	− 1.4	80	9	64	25	6	41	45	46	40	67	1.95	− 0.1	7	6,594	e.	42	sw.	9	10	13	8	5.6	T.	....
Helena	4,110	87	114	25.70	29.88	− .05	50.7	− 0.9	74	8	60	33	4	42	34	43	36	62	1.74	− 0.2	13	5,922	sw.	40	sw.	9	3	14	14	7.3	T.	....
Kalispell	2,962	11	34	26.83	29.87	− .01	51.4	+ 0.4	78	8	61	32	16	41	34	45	40	73	3.68	+ 1.6	17	2,835	nw.	32	sw.	9	4	10	17	7.1	....	....
Miles City	2,371	26	48	27.39	29.93	− .08	56.2	− 0.5	86	24	67	34	6	46	40	47	39	60	0.78	− 1.2	10	5,067	e.	40	w.	15	6	11	14	6.3	....	....
Rapid City	3,259	50	58	26.52	29.93	+ .03	50.2	− 4.0	80	24	59	28	18	42	34	45	40	70	3.41	+ 0.5	14	6,579	n.	36	n.	7	4	11	16	7.1	T.	....
Cheyenne	6,088	84	101	23.91	29.85	.00	46.4	− 4.4	79	13	57	21	18	36	35	39	33	66	2.21	− 0.2	13	8,988	nw.	52	w.	14	3	16	12	6.9	8.2	....
Lander	5,372	60	68	24.55	29.87	− .01	49.0	− 3.0	82	13	61	27	4	37	39	40	32	60	3.14	+ 0.2	15	4,232	sw.	34	n.	8	6	15	10	6.2	11.0	....
Sheridan	3,790	10	47	26.02	29.90	.....	50.5	.....	87	13	62	27	8	39	41	44	38	67	3.98	.....	17	6,117	nw.	48	se.	18	7	9	15	6.5	T.	....
Yellowstone Park	6,200	11	48	23.78	29.87	− .04	42.8	− 4.6	67	13	53	21	6	33	34	38	34	75	2.33	+ 0.4	19	5,720	s.	38	sw.	9	2	6	23	7.5	0.1	....
North Platte	2,821	11	51	26.97	29.88	.00	55.2	− 3.8	95	14	67	31	18	44	38	48	42	69	5.55	+ 2.5	10	6,006	ne.	37	nw.	14	15	3	13	5.2	4.9	....
Middle Slope.							59.0	− 3.8										67	4.49	+ 0.6										5.1		
Denver	5,291	129	172	24.62	29.85	+ .01	52.8	− 3.9	90	13	65	25	18	41	37	43	35	59	2.99	+ 0.4	10	6,674	sw.	50	nw.	14	7	12	12	6.0	6.4	....
Pueblo	4,685	80	86	25.17	29.82	− .01	55.6	− 3.9	92	13	68	27	7	43	42	43	33	51	1.75	+ 0.1	11	5,562	se.	46	w.	1	13	9	9	5.0	T.	....
Concordia	1,392	42	50	28.37	29.83	− .08	60.0	− 3.7	93	13	70	38	17	50	36	53	49	72	4.73	0.0	12	6,092	n.	29	nw.	3	7	15	9	5.6	....	....
Dodge	2,509	11	51	27.29	29.86	− .01	59.4	− 4.1	91	13	70	33	6	49	32	52	47	71	5.43	+ 2.1	9	8,266	s.	36	e.	18	14	7	10	4.8	0.7	....
Wichita	1,358	139	158	28.40	29.81	− .09	61.2	− 4.7	86	25	70	39	6	52	28	56	51	74	8.34	+ 3.4	11	10,213	s.	46	nw.	20	16	4	11	4.5	....	....
Oklahoma	1,214	10	47	28.58	29.84	− .05	65.3	− 2.8	88	15	75	42	7	56	28	59	55	74	3.69	− 2.1	10	9,436	s.	54	sw.	2	10	13	8	4.7	....	....
Southern Slope.							68.2	− 2.4										57	1.54	− 1.2										3.6		
Abilene	1,738	10	52	28.04	29.81	− .06	70.3	− 1.6	92	29	82	41	7	58	35	61	55	64	2.12	− 1.6	9	7,944	s.	40	nw.	29	12	11	8	4.5	....	....
Amarillo	3,676	10	49	26.14	29.81	− .05	61.5	− 2.8	92	25	75	30	7	48	41	52	46	64	1.70	− 2.0	9	9,263	s.	44	nw.	27	21	5	5	3.0	....	....
Del Rio	944	64	71	28.82	29.78	− .07	76.2	− 0.7	98	26	86	51	10	66	33	....	....	....	1.16	− 1.2	6	7,472	se.	39	sw.	29	12	14	5	4.4	....	....
Roswell	3,566	75	85	26.22	29.76	− .06	64.8	− 4.6	93	14	80	35	7	49	42	50	35	42	1.18	0.0	5	6,371	sw.	36	sw.	1	22	8	1	2.4	....	....
Southern Plateau.							61.4	− 4.5										38	0.29	− 0.1										2.7		
El Paso	3,762	110	133	26.04	29.72	− .06	69.6	− 2.5	95	13	83	45	3	56	38	49	26	24	T.	− 0.4	0	9,230	w.	45	w.	18	22	9	0	1.8	....	....
Santa Fe	7,013	57	62	23.16	29.76	− .05	52.3	− 4.4	79	13	63	28	3	41	30	41	29	46	0.83	− 0.3	10	6,706	sw.	34	se.	17	12	14	5	4.8	1.2	....
Flagstaff	6,908	8	57	....	....	....	45.2	− 5.5	76	31	59	7	3	31	41	....	....	....	2.20	.....	7	....	sw.	46	sw.	17	13	15	3	....	8.5	....
Phoenix	1,108	76	81	28.64	29.78	.00	70.8	− 4.0	102	12	85	42	2	57	38	53	38	37	0.17	+ 0.1	1	4,321	e.	25	se.	1	22	7	2	2.3	T.	....
Yuma	141	9	58	29.64	29.79	.00	72.6	− 4.2	104	28	89	39	2	56	44	57	45	43	T.	0.0	0	4,752	w.	30	w.	17	29	2	0	0.7	....	....
Independence	3,910	11	42	25.83	29.77	− .07	57.9	− 6.6	92	31	72	27	1	44	42	....	....	....	0.43	+ 0.3	3	5,543	se.	34	se.	12	14	15	2	3.7	1.5	....
Middle Plateau.							54.0	− 2.5										53	1.02	− 0.2										5.8		
Reno	4,532	74	81	25.36	29.86	− .05	52.1	− 1.5	83	27	64	27	2	41	41	41	32	54	0.52	− 0.3	7	6,481	w.	33	w.	17	9	12	10	5.7	1.7	....
Tonopah	6,090	12	20	23.95	29.81	.....	50.3	.....	81	31	61	18	1	40	29	40	31	54	0.35	− 1.0	5	7,666	se.	43	nw.	19	8	16	7	5.4	3.9	....
Winnemucca	4,344	18	56	25.50	29.86	− .05	52.3	− 2.1	82	30	66	24	2	39	41	42	34	61	1.08	0.0	11	4,498	sw.	34	nw.	31	9	10	12	5.9	5.2	....
Modena	5,479	10	43	24.49	29.80	− .02	50.8	− 3.7	81	31	64	25	1	38	39	40	30	54	0.97	+ 0.1	9	8,639	sw.	59	sw.	17	6	13	12	6.0	2.8	....
Salt Lake City	4,360	147	189	25.47	29.80	− .06	56.7	− 1.6	83	31	67	33	3	47	33	46	36	50	1.97	0.0	13	5,892	nw.	34	se.	17	5	11	15	6.3	T.	....
Grand Junction	4,602	82	96	25.24	29.77	− .06	58.1	− 3.5	88	13	70	29	2	46	34	45	32	44	1.23	+ 0.3	10	5,919	se.	47	w.	14	9	12	10	5.6	T.	....
Northern Plateau.							54.8	− 2.1										63	3.24	+ 1.5										7.0		
Baker	3,471	48	53	26.35	29.92	− .04	49.8	− 0.9	75	7	60	28	2	40	37	43	37	68	3.18	+ 1.4	18	4,273	se.	23	w.	10	4	17	10	6.6	T.	....
Boise	2,739	78	86	27.05	29.90	− .04	55.0	− 2.6	79	30	64	33	1	46	35	47	40	62	4.26	+ 3.0	16	4,134	nw.	28	nw.	31	5	6	20	7.3	T.	....
Lewiston	757	40	48	29.07	29.88	− .08	58.7	− 2.1	86	8	69	39	4	48	36	....	....	....	2.85	+ 1.2	19	2,126	e.	22	nw.	10	3	13	15	7.1	....	....
Pocatello	4,477	46	54	25.35	29.84	− .05	51.6	− 3.9	77	31	62	28	5	41	34	43	36	62	3.31	+ 1.1	18	4,949	se.	34	sw.	28	4	10	17	7.1	T.	....
Spokane	1,929	101	110	27.85	29.89	− .05	55.6	− 0.5	79	8	65	35	1	46	32	48	41	62	3.36	+ 1.7	15	4,574	s.	26	sw.	10	2	9	20	7.2	T.	....
Walla Walla	1,000	57	65	28.81	29.88	− .08	58.0	− 2.7	83	7	68	35	2	48	33	50	43	63	2.48	+ 0.6	19	3,355	s.	26	sw.	16	5	12	14	6.6	....	....
North Pacific Coast Region.							54.3	+ 1.2										78	3.20	+ 0.6										6.9		
North Head	211	11	56	29.72	29.95	− .08	52.5	+ 1.3	70	4	56	43	1	49	17	50	49	90	3.93	+ 1.5	21	12,217	se.	56	se.	24	4	9	18	7.2	....	....
Port Crescent	259	8	53	29.66	29.94	− .08	50.4	+ 1.3	73	4	58	35	16	43	35	....	....	....	2.70	+ 0.4	17	3,428	s.	18	n.	28	3	13	15	7.1	....	....
Seattle	125	215	250	29.81	29.94	− .07	56.0	+ 1.0	78	5	63	44	1	48	27	51	48	78	1.72	− 0.6	12	6,315	s.	34	sw.	14	3	9	19	7.3	....	....
Tacoma	213	113	120	29.71	29.94	− .08	55.4	+ 0.9	79	6	64	41	2	47	29	50	44	71	3.01	+ 0.5	20	4,235	sw.	26	sw.	9	4	15	12	6.5	....	....
Tatoosh Island	109	7	57	29.81	29.91	− .10	51.9	+ 2.3	65	16	56	43	1	48	19	49	47	85	5.08	+ 1.0	23	8,971	s.	42	e.	16	5	4	22	7.4	....	....
Portland, Oreg.	153	68	106	29.77	29.92	− .11	57.7	+ 0.9	81	5	66	36	1	49	30	51	46	70	2.59	+ 0.2	19	4,452	sw.	22	sw.	21	8	5	18	6.6	....	....
Roseburg	510	9	57	29.40	29.95	− .08	56.4	+ 0.4	78	5	66	33	1	46	37	50	45	72	3.36	+ 1.3	22	2,305	s.	17	w.	21	2	20	9	6.3	....	....
Middle Pacific Coast Region.							56.1	− 1.4										75	2.95	+ 1.6										5.9		
Eureka	62	73	89	29.94	30.01	− .04	53.6	+ 1.5	66	9	58	42	3	49	15	50	48	85	2.07	− 0.5	19	5,627	sw.	36	n.	1	3	13	15	7.2	....	....
Mount Tamalpais	2,375	11	18	27.49	29.97	− .03	49.3	− 4.4	80	27	55	34	1	44	19	45	42	81	5.08	+ 3.6	15	16,153	nw.	78	nw.	18	8	11	12	6.2	T.	....
Point Reyes Light	490	7	18	29.42	29.94	.....	52.6	+ 1.0	60	27	56	43	1	49	9	....	....	....	2.82	.....	13	19,362	nw.	70	nw.	28	8	9	14	6.3	....	....
Red Bluff	332	50	56	29.56	29.92	− .03	62.0	− 4.5	90	29	71	43	2	53	33	53	47	66	1.92	+ 0.6	11	4,361	se.	27	se.	10	8	11	12	6.1	....	....
Sacramento	69	106	117	29.86	29.93	− .01	59.8	− 3.1	89	27	69	42	2	51	30	53	48	69	2.75	+ 1.8	10	6,160	s.	26	s.	17	13	9	9	4.9	....	....
San Francisco	155	209	213	29.80	29.97	− .02	57.6	+ 2.1	81	27	63	46	2	52	27	52	48	75	3.17	+ 2.4	11	6,913	sw.	29	sw.	31	12	6	13	5.2	....	....
San Jose	141	12	110	29.84	29.91	.....	58.1	− 2.6	88	27	67	41	2	49	36	....	....	....	2.69	+ 2.0	10	5,005	nw.	26	se.	3	11	7	13	5.7	....	....
South Pacific Coast Region.							60.7	− 0.9										73	1.02	+ 0.4										4.9		
Fresno	327	89	98	29.58	29.93	+ .01	63.0	− 5.4	93	27	75	40	2	51	36	53	46	62	0.99	+ 0.4	7	6,569	nw.	31	nw.	19	9	13	9	5.0	....	....
Los Angeles	338	159	191	29.56	29.93	− .02	61.5	+ 1.0	95	27	70	41	1	53	31	55	50	74	0.88	+ 0.4	4	4,732	sw.	28	nw.	19	10	15	6	4.8	....	....
San Diego	87	62	70	29.84	29.93	− .02	60.6	− 0.2	84	27	66	45	3	55	24	55	52	78	0.28	− 0.1	6	5,677	w.	27	sw.	1	10	19	2	4.4	....	....
San Luis Obispo	201	32	40	29.78	30.00	.00	57.8	+ 1.1	90	27	68	35	1	48	33	51	48	78	1.91	+ 1.0	9	3,805	w.	24	w.	19	10	8	13	5.4	....	....
West Indies.																																
San Juan	82	8	54	29.88	29.97	− .02	78.8	.....	88	17	84	69	3	74	14	....	....	....	4.62	− 0.1	14	9,280	e.	31	e.	18	13	11	7	4.7	....	....
Panama.																																
Balboa Heights	116	7	97	29.68	29.80	.....	81.2	.....	93	3	87	72	26	75	19	77	76	89	6.42	− 2.2	19	5,096	n.	47	sw.	26	0	17	14	6.9	....	....
Colon	25	5	71	29.78	29.81	.....	82.0	.....	89	6	86	74	27	78	13	78	77	88	7.75	− 4.9	20	6,404	se.	23	sw.	15	3	14	14	7.3	....	....

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 May, 1915, 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.	29	8:50 p.m.	D.N. p.m.	1.37	8:52 p.m.	9:23 p.m.	0.01	0.08	0.24	0.55	0.85	1.12	1.23	1.26							
Albany, N. Y.	21			0.38														0.22			
Alpena, Mich.	12			1.29														.44			
Amarillo, Tex.	16	2:37 p.m.	3:05 p.m.	0.39	2:46 p.m.	3:03 p.m.	.01	.17	.28	.35	.38										
Anniston, Ala.	6–7	11:00 p.m.	3:30 p.m.	3.10	6:39 a.m.	7:05 a.m.	.44	.07	.22	.73	1.19	1.43	1.48								
Asheville, N. C.	7			1.18														.34			
Atlanta, Ga.	7	6:05 a.m.	5:25 p.m.	3.69	7:09 a.m.	7:51 a.m.	.04	.27	.51	.62	.78	.98	1.18	1.39	1.59	1.62					
					8.44 a.m.	9:07 a.m.	1.85	.18	.34	.43	.63	.73									
Atlantic City, N. J.	22			0.89														.43			
Augusta, Ga.	23–24	11:00 p.m.	D.N. a.m.	3.66	11:07 p.m.		.24	.51	.70	.90	1.14	1.32	1.58	1.79	1.89	1.97					
							2.00	2.08	2.22	2.33	2.34	2.34	2.35	2.35	2.54	2.58					
						1:24 a.m.	2.64	2.93	3.00	3.05	3.20	3.31	3.36	3.41							
Baker, Oreg.	28			0.44														.23			
Baltimore, Md.	22			0.93														.33			
Bentonville, Ark.	19	2:10 p.m.	5:35 p.m.	1.80	3:20 p.m.	5:20 p.m.	.19	.10	.16	.22	.39	.60	.62	.63	.66	.79	.85	.92	1.03	1.33	1.61
	20	5:23 p.m.	9:22 p.m.	1.36	5:46 p.m.	6:21 p.m.	.01	.17	.48	.66	.79	.93	1.10	1.17							
	26–27	7:50 p.m.	12:45 a.m.	1.85	8:07 a.m.	8:27 p.m.	T.	.38	.72	.87	.95										
	27	5:25 p.m.	10:15 p.m.	0.97	8:28 p.m.	8:40 p.m.	.34	.33	.55	.62											
Binghamton, N. Y.	20–21			0.72														.36			
Birmingham, Ala.	6–7	8:20 p.m.	1:47 p.m.	3.76	5:29 a.m.	6:30 a.m.	.67	.37	.95	1.24	1.32	1.48	1.51	1.61	1.67	1.71	1.79	2.01	2.09		
Bismarck, N. Dak.	14–15	7:30 p.m.	6:35 a.m.	1.36	10:14 p.m.	10:36 p.m.	.34	.07	.22	.40	.54	.58									
Block Island, R. I.	21–22			1.39														(*)			
Boise, Idaho.	12–14			1.51														.33			
Boston, Mass.	21–22			0.49														.26			
Buffalo, N. Y.	7			0.57														.15			
Burlington, Vt.	26			0.66														(*)			
Cairo, Ill.	23	8:05 a.m.	10:40 a.m.	1.24	9:43 a.m.	10:03 a.m.	.46	.12	.34	.61	.68										
Canton, N. Y.	21			0.28														.28			
Charles City, Iowa.	2			1.83														.41			
Charleston, S. C.	7	6:40 p.m.	D.N. p.m.	0.95	7:10 p.m.	7:46 p.m.	.22	.11	.12	.14	.24	.34	.42	.56	.61						
	8	D.N. a.m.	6:15 a.m.	0.80	3:30 a.m.	3:43 a.m.	.02	.31	.56	.63											
	12	7:42 a.m.	1:20 p.m.	4.08	7:48 a.m.	8:38 a.m.	.01	.17	.37	.51	.59	.71	.82	.96	1.18	1.44	1.67				
					10:28 a.m.	11:01 a.m.	2.53	.12	.32	.44	.59	.81	.94	.98							
Charlotte, N. C.	7	6:43 a.m.	8:15 p.m.	2.58	2:31 p.m.	2:42 p.m.	1.58	.48	.86	.90											
Chattanooga, Tenn.	6–7			2.36														.35			
Cheyenne, Wyo.	17–18			1.17														(*)			
Chicago, Ill.	15	5:19 p.m.	9:40 p.m.	1.41	6:07 p.m.	6:30 p.m.	.07	.08	.25	.31	.40	.48									
Cincinnati, Ohio.	26	1:53 a.m.	6:40 a.m.	1.58	3:26 a.m.	4:12 a.m.	.11	.09	.19	.36	.55	.62	.75	.85	1.06	1.22	1.24				
Cleveland, Ohio.	21	D.N. a.m.	7:26 a.m.	0.60	6:18 a.m.	6:50 a.m.	.05	.13	.19	.28	.32	.44	.52	.55							
Columbia, Mo.	26–27			2.60														.67			
Columbia, S. C.	7	11:50 a.m.	12:50 p.m.	0.33	12:20 p.m.	12:33 p.m.	.05	.11	.25	.43											
		2:30 p.m.	3:12 p.m.	0.43	2:33 p.m.	2:47 p.m.	.01	.15	.27	.35											
Columbus, Ohio.	30			0.73														(*)			
Concord, N. H.	13			0.28														.27			
Concordia, Kans.	26			0.93														.40			
Corpus Christi, Tex.	31	6:24 a.m.	9:35 a.m.	1.98	6:38 a.m.	7:03 a.m.	.06	.14	.49	.85	1.33	1.53									
Davenport, Iowa.	25	7:25 a.m.	10:25 a.m.	0.97	8:08 a.m.	8:20 a.m.	.04	.29	.60	.67											
Dayton, Ohio.	29–30			1.24														57			
Del Rio, Tex.	31	1:00 a.m.	2:10 a.m.	0.68	1:03 a.m.	1:33 a.m.	.01	.08	.20	.39	.51	.57	.64								
Denver, Colo.	18–20			1.03														(*)			
Des Moines, Iowa.	2	7:20 p.m.	8:15 p.m.	0.53	7:42 p.m.	8:01 p.m.	.02	.08	.30	.44	.51										
	27–28	5:50 p.m.	2:20 p.m.	3.03	6:45 p.m.	7:07 p.m.	.29	.14	.18	.29	.53	.58									
					8:08 p.m.	10:08 p.m.	.99	.05	.10	.15	.27	.38	.52	.68	.76	.84	.97	1.12	1.30	1.53	1.74
Detroit, Mich.	15–16			1.10														.40			
Devils Lake, N. Dak.	14–15			1.52														(*)			
Dodge City, Kans.	18			2.44														.55			
Dubuque, Iowa.	27–29			2.30														(*)			
Duluth, Minn.	15–16			1.54														.22			
Eastport, Me.	8			0.61														.13			
Elkins, W. Va.	12			0.58														.17			
El Paso, Tex.	31			T.														T.			
Erie, Pa.	21	1:27 p.m.	3:35 p.m.	0.44	2:43 p.m.	2:52 p.m.	.01	.24	.39												
Escanaba, Mich.	6–7			0.92														.12			
Eureka, Cal.	17			0.24														.09			
Evansville, Ind.	23	7:08 a.m.	2:45 p.m.	2.07	7:37 a.m.	8:00 a.m.	.02	.19	.47	.64	.79	.85									
					1:06 p.m.	2:00 p.m.	1.22	.05	.13	.33	.47	.48	.49	.55	.59	.62	.64	.83			
	25	2:43 p.m.	5:00 p.m.	0.64	2:48 p.m.	3:18 p.m.	.01	.11	.33	.42	.47	.52	.56								
Flagstaff, Ariz.	17–18			0.68														(*)			
Fort Smith, Ark.	21–22	8:58 p.m.	D.N. a.m.	1.68	10:06 p.m.	10:38 p.m.	.04	.33	.52	.76	1.06	1.27	1.35								
	26	2:35 p.m.	6:16 p.m.	1.05	4:02 p.m.	4:44 p.m.	.11	.06	.10	.15	.22	.40	.47	.57	.75	.84					
	26–27	7:36 p.m.	D.N. a.m.	1.04	7:42 p.m.	8:02 p.m.	.01	.11	.32	.47	.55										
Fort Wayne, Ind.	24	D.N. a.m.	D.N. a.m.	0.74	1:44 a.m.	2:28 a.m.	.02	.18	.25	.30	.34	.39	.48	.54	.63	.67					
Fort Worth, Tex.	19			0.75														.70			
Fresno, Cal.	17			0.44														.13			
Galveston, Tex.	31	5:55 p.m.	7:20 p.m.	0.63	6:10 p.m.	6:33 p.m.	.05	.16	.38	.45	.54	.58									
Grand Haven, Mich.	15			0.54														.21			
Grand Junction, Colo.	18–20			0.85														.17			
Grand Rapids, Mich.	25			0.63														.21			
Green Bay, Wis.	20			0.55														.27			
Hannibal, Mo.	2	10:33 a.m.	11:55 a.m.	0.63	10:53 a.m.	11:09 a.m.	.01	.26	.43	.52	.54										
	25	9:10 a.m.	12:35 p.m.	0.91	9:18 a.m.	9:42 a.m.	.02	.08	.28	.43	.51	.57									
Harrisburg, Pa.	21	8:30 p.m.	10:10 p.m.	0.94	9:05 p.m.	9:30 p.m.	.08	.13	.28	.36	.71	.79									
Hartford, Conn.	21–22			1.09														.67			
Hatteras, N. C.	24–25	9:57 p.m.	D. N. a.m.	1.58	10:11 p.m.	10:37 p.m.	.05	.10	.24	.38	.48	.57	.60								
					11:31 p.m.	11:51 p.m.	.80	.17	.36	.68	.73										
	27	12:17 a.m.	D. N. a.m.	0.92	12:20 a.m.	12:34 a.m.	.01	.29	.68	.78											
Havre, Mont.	13–14			0.95														.24			
Helena, Mont.	14			0.28														.20			
Houghton, Mich.	11	2:40 a.m.	5:30 a.m.	0.72	2:48 a.m.	2:59 a.m.	.02	.23	.51	.56											
Houston, Tex.	27			0.53														.45			
Huron, S. Dak.	2			0.96														.43			
Independence, Cal.	5			0.19														.09			
Indianapolis, Ind.	6–7			0.81														(*)			
Iola, Kans.	18–19	9:03 p.m.	4:28 p.m.	2.49	9:36 a.m.	10:16 a.m.	1.62	.13	.18	.21	.26	.36	.42	.51	.60						
	26	12:01 p.m.	1:33 p.m.	1.14	12:42 p.m.	1:07 p.m.	.01	.19	.49	.74	.97	1.10									
Jacksonville, Fla.	13	4:50 p.m.	6:20 p.m.	0.40	5:41 p.m.	5:48 p.m.	.01	.25	.33												
Kalispell, Mont.	21			0.66														.28			

(*) Self-register not working.

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 May, 1915, 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.
Kansas City, Mo	27	12:55 p.m.	9:00 p.m.	1.75	3:10 p.m.	3:30 p.m.	.63	.11	.19	.46	.63										
Keokuk, Iowa	25-26	6:30 p.m.	6:50 a.m.	1.88	10:36 a.m.	10:46 a.m.	.53	.28	.47												
Key West, Fla	12	9:20 p.m.	10:30 p.m.	0.79	9:45 p.m.	10:04 p.m.	.05	.23	.34	.63	.70										
	23	12:42 p.m.	1:20 p.m.	0.71	12:51 p.m.	1:08 p.m.	.02	.25	.48	.65	.69										
Knoxville, Tenn	7			1.04														(*)			
La Crosse, Wis	2			0.82														.44			
Lander, Wyo	25			0.46														.14			
Lansing, Mich	16			0.50														.20			
Lewiston, Idaho	21			0.26														.26			
Lexington, Ky	6-7	7:05 p.m.	D. N. a.m.	1.79	12:58 a.m.	1:16 a.m.	.46	.32	.39	.44	.48										
Lincoln, Nebr	26-27			1.43														(*)			
Little Rock, Ark	5-6	10:25 p.m.	D. N. a.m.	1.02	2:44 a.m.	3:11 a.m.	.12	.20	.44	.51	.61	.69	.76								
Los Angeles, Cal	1-2			0.57														(*)			
Louisville, Ky	20			0.89														.36			
Ludington, Mich	15-16			0.69														.22			
Lynchburg, Va	23	6:30 p.m.	7:20 p.m.	0.40	6:51 p.m.	7:02 p.m.	.01	.24	.36	.38											
Macon, Ga	12	11:35 a.m.	12:25 p.m.	0.56	11:55 a.m.	12:19 p.m.	.02	.05	.13	.29	.36	.54									
Madison, Wis	2-3	9:50 p.m.	D. N. a.m.	1.07	12:56 a.m.	1:25 a.m.	.57	.10	.26	.33	.41	.46	.50								
	14-15	9:05 p.m.	D. N. a.m.	0.94	10:33 p.m.	11:13 p.m.	.08	.17	.31	.42	.47	.51	.53	.55	.66						
Marquette, Mich	11-12			0.90														.20			
Memphis, Tenn	6	2:50 a.m.	5:10 a.m.	0.64	3:26 a.m.	3:38 a.m.	.05	.22	.52	.56											
	6	12:19 p.m.	D. N. p.m.	1.70	6:46 p.m.	7:11 p.m.	.93	.09	.15	.26	.44	.60									
	21	5:06 a.m.	6:20 a.m.	0.79	5:34 a.m.	6:02 a.m.	.02	.20	.36	.52	.59	.70	.74								
Meridian, Miss	6	4:25 p.m.	7:45 p.m.	1.19	4:50 p.m.	5:19 p.m.	.10	.12	.18	.18	.23	.46	.50								
	7	6:03 a.m.	8:35 a.m.	0.95	6:58 a.m.	7:30 a.m.	.01	.12	.31	.44	.54	.67	.79	.84							
	18	8:38 a.m.	11:50 a.m.	0.80	8:40 a.m.	8:59 a.m.	.01	.23	.43	.62	.67										
Miami, Fla	29	4:50 p.m.	D. N. p.m.	1.38	6:12 p.m.	6:24 p.m.	.13	.13	.31	.39											
					8:11 p.m.	8:37 p.m.	.69	.28	.41	.49	.63	.65	.69								
Milwaukee, Wis	28			1.62														(*)			
Minneapolis, Minn	2-3			0.58														.39			
Mobile, Ala	7	11:15 a.m.	1:55 p.m.	0.78	11:42 a.m.	12:22 p.m.	.10	.07	.12	.27	.36	.45	.49	.56	.63						
Modena, Utah	5			0.29														.08			
Montgomery, Ala	7	9:20 a.m.	2:05 p.m.	2.03	11:36 a.m.	12:27 p.m.	.14	.08	.34	.60	.85	1.02	1.26	1.36	1.41	1.58	1.72				
	26	5:25 p.m.	7:40 p.m.	1.37	6:30 p.m.	7:10 p.m.	.27	.10	.49	.62	.77	.83	.99	1.07							
Moorhead, Minn	2-4			1.54														.32			
Mount Tamalpais, Cal	8-12			2.63														.26			
Nantucket, Mass	12-13			1.24														.45			
Nashville, Tenn	22	5:40 a.m.	8:30 a.m.	0.93	5:40 a.m.	5:49 a.m.	.00	.42	.50												
	23	4:10 p.m.	8:20 p.m.	0.78	5:00 p.m.	5:22 p.m.	.01	.13	.19	.26	.49	.52									
	27	3:45 p.m.	3:45 p.m.	0.88	6:15 p.m.	6:45 p.m.	.16	.20	.27	.30	.40	.46	.54								
New Haven, Conn	21-22	7:15 a.m.	D. N. a.m.	1.10	10:47 p.m.	11:18 p.m.	.20	.14	.19	.22	.36	.43	.52	.54							
New Orleans, La	28	4:15 a.m.	7:10 a.m.	1.25	4:45 a.m.	5:45 a.m.	.06	.07	.31	.57	.70	.76	.79	.80	.85	.86	.90	1.08			
New York, N. Y	21-22			1.19														.46			
Norfolk, Va	7	2:47 p.m.	3:48 p.m.	0.95	3:11 p.m.	3:41 p.m.	.01	.25	.34	.45	.65	.85	.94								
	12	7:20 a.m.	7:10 p.m.	1.68	3:27 p.m.	3:47 p.m.	.39	.12	.31	.47	.70										
Northfield, Vt	8			0.32														.22			
North Head, Wash	21-22			0.60														.20			
North Platte, Nebr	26-27			2.66														(*)			
Oklahoma, Okla	22	6:50 p.m.	7:15 p.m.	0.36	6:53 p.m.	6:58 p.m.	.01	.26													
Omaha, Nebr	25	1:45 a.m.	6:15 a.m.	1.64	3:32 a.m.	4:15 a.m.	.62	.05	.18	.36	.52	.61	.67	.75	.83	.86					
Oswego, N. Y	21			0.25														.21			
Palestine, Tex	27			0.73														.61			
Parkersburg, W. Va	20-21			1.34														(*)			
Pensacola, Fla	7-8	11:50 a.m.	12:35 a.m.	5.47	2:04 p.m.	2:52 p.m.	.12	.14	.27	.44	.61	.79	.83	1.02	1.29	1.40	1.46				
					7:35 p.m.	8:19 p.m.	2.12	.07	.21	.73	1.22	1.50	1.86	2.03	2.16	2.30					
	11	4:00 a.m.	9:05 p.m.	1.62	7:21 a.m.	7:51 a.m.	.34	.38	.66	.78	.82	.95	1.03								
	30-31	7:10 p.m.	12:45 a.m.	1.08	8:41 p.m.	9:02 p.m.	.05	.09	.26	.50	.72	.74									
Peoria, Ill	13	7:16 p.m.	8:25 p.m.	1.15	7:25 p.m.	8:04 p.m.	.01	.12	.30	.66	.94	.99	1.03	1.09	1.13						
	20-21	7:05 p.m.	D.N. a.m.	1.92	10:40 p.m.	11:21 p.m.	.45	.21	.54	.63	.69	.77	.92	1.08	1.24	1.26					
	25	9:53 a.m.	11:55 a.m.	0.87	9:53 a.m.	10:09 a.m.	.00	.24	.53	.73	.74										
	28	4:10 p.m.	D.N. p.m.	4.47	6:36 p.m.	8:21 p.m.	.64	.09	.21	.34	.52	.68	.83	.94	1.05	1.14	1.17	1.28	1.65	1.92	2.23
Philadelphia, Pa	20-22			1.49														.34			
Phoenix, Ariz	1			0.17														.15			
Pierre, S. Dak	26-27			1.14														(*)			
Pittsburgh, Pa	29-30			1.46														.35			
Pocatello, Idaho	19	5:36 p.m.	9:45 p.m.	0.73	5:45 p.m.	6:75 p.m.	0.04	.13	.22	.26	.37	.50	.64								
Point Reyes Light, Cal	8-11			1.72														.19			
Port Huron, Mich	3			0.40														.14			
Portland, Me	8			0.88														.35			
Portland, Oreg	9-10			0.49														(*)			
Providence, R. I	21-22			0.79														.46			
Pueblo, Colo	5-6			0.85														(*)			
Raleigh, N. C	7	11:23 a.m.	11:46 a.m.	0.59	11:28 a.m.	11:41 a.m.	.01	.12	.33	.58											
Rapid City, S. Dak	25-27			1.24														(*)			
Reading, Pa	20-22			1.11														.50			
Red Bluff, Cal	11-13			0.76														.17			
Reno, Nev	3-4			0.33														.07			
Richmond, Va	12	8:15 a.m.	12:16 p.m.	1.15	10:50 a.m.	11:17 a.m.	.50	.08	.34	.45	.54	.59	.63								
Rochester, N. Y	21	4:35 p.m.	5:25 p.m.	0.41	4:41 p.m.	4:48 p.m.	.01	.29	.34												
Roseburg, Oreg	12			0.20														.16			
Roswell, N. Mex	23			0.93														.70			
Sacramento, Cal	11-12			1.33														.39			
Saginaw, Mich	3-4			0.87														.40			
St. Joseph, Mo	23	7:50 a.m.	9:45 a.m.	0.83	8:10 a.m.	8:37 a.m.	.01	.08	.17	.32	.50	.58	.62								
St. Louis, Mo	19-20	5:10 p.m.	D.N. a.m.	2.15	9:51 p.m.	10:26 p.m.	.91	.08	.22	.43	.58	.67	.77	.84							
St. Paul, Minn	2-3			0.54														.34			
Salt Lake City, Utah	17-18			0.79														.15			
San Antonio, Tex	30	12:45 a.m.	2:00 a.m.	0.72	12:52 a.m.	1:09 a.m.	.05	.14	.39	.62	.66										
San Diego, Cal	4			0.10														.06			
Sand Key, Fla	12	8:46 p.m.	10:10 p.m.	0.99	9:21 p.m.	9:46 p.m.	.01	.08	.38	.70	.86	.95									
Sandusky, Ohio	15-16			0.82														.32			
San Francisco, Cal	11			1.05														.29			
San Jose, Cal	3-5			1.56														.16			
San Luis Obispo, Cal	4			1.02														.36			
Santa Fe, N. Mex	6			0.30														(*)			
Sault Ste. Marie, Mich	7			0.82														.24			

(*) Self-register not working.

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 May, 1915, 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.
Savannah, Ga	8	D. N. a.m.	1:10 p.m.	1.32	2:36 a.m.	2:55 a.m.	.02	.31	.51	.62	.69										
	11	10:30 a.m.	8:35 p.m.	4.60	1:48 p.m.	2:28 p.m.	1.38	.43	.77	.92	1.08	1.20	1.26	1.36	1.42						
	26	5:22 p.m.	7:40 p.m.	0.91	5:27 p.m.	5:41 p.m.	.01	.20	.55	.69											
	31	5:15 p.m.	7:10 p.m.	0.70	6:42 p.m.	6:57 p.m.	.01	.13	.43	.69											
Scranton, Pa	21	7:25 p.m.	9:30 p.m.	1.01	8:04 p.m.	8:38 p.m.	.05	.11	.17	.23	.36	.52	.72	.78							
Seattle, Wash	26–28			0.88														(*)			
Sheridan, Wyo	[1] 30–3			2.71														.19			
Shreveport, La	27	6:00 a.m.	8:00 a.m.	1.44	6:58 a.m.	7:29 a.m.	.06	.11	.37	.70	1.02	1.18	1.33	1.36							
Sioux City, Iowa	25–26	9:50 p.m.	12:20 a.m.	1.13	11:12 p.m.	11:37 p.m.	.25	.07	.23	.40	.73	.83									
Spokane, Wash	17–19			1.91														.19			
Springfield, Ill	25–26	10:38 p.m.	D. N. a.m.	2.40	11:00 p.m.	12:59 a.m.	.14	.08	.13	.20	.34	.40	.40	.43	.46	.51	.70	1.00	1.37	1.81	2.13
	26	D. n. a.m.	9:40 a.m.	2.34	4:34 a.m.	4:58 a.m.	.05	.20	.37	.49	.74	.87									
					5:48 a.m.	6:39 a.m.	.95	.10	.27	.37	.46	.55	.63	.89	1.04	1.11	1.17	1.24			
Springfield, Mo	19	11:55 a.m.	6:10 p.m.	1.36	5:33 p.m.	6:01 p.m.	.72	.06	.14	.24	.39	.58	.63								
	20	10:47 a.m.	12:12 p.m.	1.01	10:46 a.m.	11:14 a.m.	.01	.08	.12	.24	.32	.50	.55								
Syracuse, N. Y	13			0.51														.51			
Tacoma, Wash	26–27			1.09														(*)			
Tampa, Fla	9	5:00 a.m.	5:50 p.m.	2.39	9:20 a.m.	9:38 a.m.	.31	.21	.61	1.00	1.19										
	13	4:30 a.m.	5:50 a m.	0.81	5:05 a.m.	5:29 a.m.	.01	.15	.19	.38	.59	.78									
	31	9:17 a.m.	11:20 a.m.	1.86	9:41 a.m.	10:41 a.m.	.05	.17	.33	.64	.88	1.07	1.18	1.30	1.40	1.47	1.60	1.70			
Tatoosh Island, Wash	9–11			2.12														.27			
Taylor, Tex	30	D. N. a.m.	D. N. a.m	0.89	2:51 a.m.	3:12 a.m.	.01	.08	.29	.45	.56	.59									
Terre Haute, Ind	25	1:22 p.m.	3:20 p.m.	0.97	1:25 p.m.	1:38 p.m.	.01	.52	.72	.77											
Thomasville, Ga	29	5:22 a.m.	7:36 a.m.	1.03	5:49 a.m.	5:59 a.m.	.07	.21	.49												
Toledo, Ohio	23–24			1.57														.47			
Tonopah, Nev	2			0.15														(*)			
Topeka, Kans	23	6:50 a.m.	9:10 a.m.	0.81	7:13 a.m.	7:19 a.m.	.01	.39	.51												
	26	7:25 a.m.	11:10 a.m.	1.44	9:37 a.m.	10:33 a.m.	.10	.19	.22	.23	.25	.31	.39	.46	.68	.97	1.14	1.29			
	27	1:38 p.m.	6:15 p.m.	1.16	2:24 p.m.	2:32 p.m.	.10	.41	.64												
Valentine, Nebr	26–28			1.41														(*)			
Vicksburg, Miss	27	10:46 a.m.	4:08 p.m.	1.82	11:12 a.m.	11:49 a.m.	.04	.16	.29	.34	.52	.64	.72	.85	.91						
Walla Walla, Wash	17–19			0.66														(*)			
Washington, D. C	22			0.70														(*)			
Wichita, Kans	18–19	7:35 p.m.	7:15 a.m.	3.79	9:26 p.m.	10:14 p.m.	0.56	.12	.18	.26	.37	.43	.53	.59	.66	.71	.75				
					11:26 p.m.	11:55 p.m.	1.64	.07	.16	.29	.40	.51	.62								
Williston, N. Dak	15			0.68														.28			
Wilmington, N. C	29			0.57														.45			
Winnemucca, Nev	28			0.15														.13			
Wytheville, Va	23	5:42 p.m.	9:30 p.m.	1.17	5:42 p.m.	5:53 p.m.	.00	.27	.58	.62											
Yankton, S. Dak	25–26	9:15 p.m.	12:45 a.m.	1.06	9:46 p.m.	10:21 p.m.	.06	.11	.17	.27	35.	.41	.47	.55							
Yellowstone Park, Wyo	21			0.40														(*)			

(*) Self-register not working.

[1] Apr. 30.

TABLE III.—*Data furnished by the Canadian Meteorological Service, May, 1915.*

Stations.	Pressure.			Temperature.						Precipitation.		
	Station, reduced to mean of 24 hours.	Sea-level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.
	Inches.	*Inches.*	*Inches.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*Inches.*	*Inches.*	*Inches.*
St. Johns, N. F	29.52	29.66	−0.32	40.2	−2.7	45.9	34.1	64	30	5.27	+1.61	T.
Sydney, C. B. I	29.73	29.77	− .20	44.4	−0.8	53.8	35.0	70	26	1.62	−2.15	.....
Halifax, N. S	29.70	29.80	− .18	48.0	−0.4	56.9	39.1	72	31	6.80	+2.54	T.
Yarmouth, N. S	29.76	29.83	− .15	46.2	−1.4	53.0	39.4	65	34	3.48	−0.32	.....
Charlottetown, P. E. I	29.75	29.79	− .17	45.0	−1.9	52.6	37.5	64	31	4.01	+1.10	2.5
Chatham, N. B	29.81	29.83	− .12	46.6	−1.9	55.3	37.8	72	32	6.44	+3.23	7.5
Father Point, Que	29.81	29.83	− .10	43.4	−0.6	49.7	37.2	64	29	4.47	+1.89	0.1
Quebec, Que	29.53	29.84	− .10	49.9	0.0	59.8	40.0	77	32	3.40	+0.32	.....
Montreal, Que	29.66	29.87	− .07	52.3	−2.4	61.0	43.6	76	35	2.32	−0.63	.....
Stonecliffe, Ont	29.31	29.92	− .01	49.2	−3.1	62.1	36.2	79	26	1.04	−1.47	.....
Ottawa, Ont	29.64	29.96	+ .02	51.6	−3.3	61.6	41.6	75	33	2.38	−0.21	.....
Kingston, Ont	29.62	29.93	− .03	49.8	−3.1	58.0	41.7	72	30	1.83	−0.85	.....
Toronto, Ont	29.52	29.90	− .08	52.1	−1.1	61.7	42.6	74	33	1.60	−1.44	.....
White River, Ont	28.63	29.96	+ .01	43.3	−2.4	57.0	29.6	75	17	1.63	−0.32	0.5
Port Stanley, Ont	29.29	29.93	− .04	49.6	−3.5	58.4	40.8	69	30	3.04	−0.14	.....
Southampton, Ont	29.24			48.3	−2.4	58.2	38.4	76	28	1.19	−1.25	T.
Parry Sound, Ont	29.23	29.93	− .02	49.8	−1.3	60.8	38.9	74	26	0.95	−1.98	.....
Port Arthur, Ont	29.27	29.98	+ .02	47.5	+1.6	57.0	38.0	68	27	2.09	−0.06	.....
Winnipeg, Man	29.16	29.99	+ .03	52.8	+1.2	66.0	39.6	81	24	0.82	−1.46	1.1
Minnedosa, Man	28.17	29.98	+ .02	51.1	+2.7	64.3	37.9	80	24	1.71	+0.26	2.5
Qu'Appelle, Sask	27.68	29.91	− .03	50.6	+0.8	64.4	36.9	78	14	3.10	+1.45	.....
Medicine Hat, Alberta	27.59	29.86	− .03	56.5	+2.4	69.9	43.1	82	28	2.72	+1.41	.....
Swift Current, Sask	27.32	29.88	− .04	52.3	+1.6	64.8	39.7	78	22	4.29	+2.53	.....
Calgary, Alberta	26.31	29.82	− .06	49.6	+0.6	61.4	37.9	78	31	3.13	+1.36	.....
Banff, Alberta	25.32	29.88	0	46.4	−0.6	56.6	36.1	70	28	2.24	+0.20	1.1
Edmonton, Alberta	27.62	29.90	+ .02	52.2	+1.4	64.4	40.0	77	27	1.30	−0.25	.....
Prince Albert, Sask	28.38	29.93	− .02	51.0	+3.4	62.6	39.4	78	27	0.92	−0.34	.....
Battelford, Sask	28.22	29.95	+ .03	54.8	+3.8	68.9	40.7	80	30	1.61	−0.01	.....
Kamloops, B. C	28.62	29.90	+ .01	58.5	−0.6	70.1	46.9	85	37	2.28	+1.04	.....
Victoria, B. C	29.65	29.90	− .10	53.9	+1.4	60.4	47.5	72	42	1.26	−0.22	.....
Barkerville, B. C	25.51	29.77	− .07	47.0	+1.5	58.5	35.4	72	28	3.74	+1.22	5.7
Hamilton, Bermuda	29.88	30.04	− .02	69.6	+0.2	75.5	63.7	80	59	1.82	−2.84	.....