DESCRIPTION OF TABLES AND CHARTS.

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

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

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

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

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

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

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

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

Chart IV.—Total precipitation. The scale of shades showing the depth is given on the chart. Where the monthly amounts are too small to justify shading, and over sections of the country where stations are too widely separated or the topography is too diversified to warrant reasonable accuracy in shading, the actual depths are given for a limited number of representative stations. Am unts less than 0.005 inch are indicated by the letter T, and no precipitation by 0.

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

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

The isotherms on the sea-level plane have been constructed by means of the data summarized in chapter 8 of volume 2 of the annual report just mentioned. The correction $t_0 - t$, 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 VII.—Total snowfall. This is based on the reports from regular and cooperative observers and shows the depth in inches and tenths of the snowfall during the month. In general, the depth is shown by lines inclosing areas of equal snowfall, but in special cases figures are also given.

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

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

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

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
New England.							**62.6**	**− 1.0**										**70**	**2.21**	**− 0.9**										**5.3**		
Eastport	76	67	85	29.82	29.90	−0.03	55.4	+ 1.0	86	11	64	39	9	47	32	50	46	77	3.23	0.0	11	6,170	s.	40	nw.	5	8	15	7	5.6		
Greenville	1,670	6		28.75	29.91		56.3		86	24	67	32	4	46	42				3.34		14		se.									
Portland, Me	103	82	117	29.82	29.94	− .01	61.8	− 0.8	91	25	71	43	6	53	42	53	47	62	2.34	− 1.0	7	6,993	nw.	36	nw.	5	11	10	9	5.2		
Concord	288	70	79	29.64	29.94	− .02	62.8	− 1.6	92	24	75	40	7	51	44				2.39	− 1.0	8	4,200	nw.	25	nw.	5	14	7	9	4.8		
Burlington	404	11	48	29.51	29.94	− .02	62.0	− 1.8	90	24	72	42	20	52	37				3.30	0.0	9	6,510	s.	38	s.	19	7	14	9	5.6		
Northfield	876	12	60	29.01	29.95	− .01	58.2	− 4.5	88	24	70	35	7	46	47	55	52	76	2.85	− 0.4	11	5,231	s.	35	n.	24	9	13	8	5.4		
Boston	125	115	188	29.81	29.95	− .01	67.3	+ 1.5	94	25	76	49	9	58	36	58	53	64	1.40	− 1.6	7	7,393	sw.	32	nw.	16	8	16	6	5.2		
Nantucket	12	14	90	29.95	29.96	− .02	60.7	− 0.6	82	11	68	48	9	54	27	56	53	79	2.58	+ 0.2	8	10,650	sw.	37	s.	4	9	16	5	4.8		
Block Island	26	11	46	29.94	29.97	.00	61.8	+ 0.2	82	25	68	49	9	56	20	57	54	81	1.91	− 1.0	8	10,935	sw.	46	nw.	20	9	13	8	5.3		
Narragansett		9					62.7	− 1.5	90	25	71	44	6	54	29				1.12		8		sw.				22	5	3			
Providence	160	215	251	29.79	29.96	− .01	66.0	− 2.3	92	25	76	48	9	56	33	58	52	63	0.58	− 2.6	8	9,211	nw.	52	nw.	16	8	15	7	5.2		
Hartford	159	122	140	29.79	29.96	− .01	66.4	− 0.7	91	24	76	47	20	57	32	58	52	63	1.70	− 1.4	12	5,513	s.	28	nw.	16	8	11	11	5.8		
New Haven	106	117	155	29.86	29.97	.00	66.2	− 0.7	93	25	75	48	20	57	28	58	53	66	2.07	− 1.1	10	5,830	s.	35	nw.	16	9	10	11	5.6		
Middle Atlantic States.							**70.9**	**+ 0.8**										**63**	**2.84**	**− 0.9**										**5.1**		
Albany	97	102	115	29.85	29.95	− .02	66.7	− 1.2	92	24	77	45	20	56	32	58	52	63	1.59	− 2.2	11	5,985	s.	30	s.	19	15	10	5	4.0		
Binghamton	871	10	69	29.06	29.98	+ .01	65.1	− 1.1	90	24	76	40	6	54	39				5.21	+ 1.6	11	3,723	nw.	30	nw.	24	11	13	6	5.2		
New York	314	414	454	29.64	29.97	− .01	67.6	− 0.9	90	25	76	48	20	60	26	59	52	63	1.83	− 1.4	12	11,031	nw.	56	nw.	20	9	8	13	5.9		
Harrisburg	374	94	104	29.60	30.00	+ .01	71.2	+ 0.9	94	8	81	49	20	61	29	61	55	60	3.13	− 0.4	10	4,394	s.	30	n.	24	6	13	11	5.7		
Philadelphia	117	123	190	29.87	30.00	+ .02	72.0	+ 0.8	94	25	81	51	20	63	29	63	57	65	3.70	+ 0.4	10	6,645	nw.	32	nw.	16	9	11	10	5.4		
Reading	325	81	98	29.65	29.99		70.2		93	24	80	47	6	60	32	61	55	61	2.51		10	4,678	se.	33	n.	24	9	8	13	5.8		
Scranton	805	111	119	29.15	30.00	+ .02	66.8	− 0.4	92	24	77	42	6	56	36	61	57	71	3.05	− 0.5	10	4,793	nw.	36	nw.	7	11	12	7	4.7		
Atlantic City	52	37	48	29.94	30.00	+ .02	68.3	+ 1.5	93	12	75	50	6	62	28	61	57	72	2.25	− 0.8	11	5,031	sw.	31	s.	28	8	10	12	5.8		
Cape May	18	13	49	30.00	30.02	+ .04	68.3	+ 0.6	95	12	76	50	6	61	32	63	60	78	2.51	− 0.5	11	5,324	s.	30	se.	28	11	16	3	4.4		
Trenton	190	159	183	29.77	29.97		69.4		92	24	80	49	17	59	31	60	54	65	1.74	− 1.8	10	7,105	nw.	36	w.	30	11	8	11	5.5		
Baltimore	123	100	113	29.87	30.00	+ .01	74.4	+ 1.4	96	12	83	55	17	66	28	64	58	60	1.64	− 2.2	11	4,740	s.	34	n.	24	12	12	6	4.8		
Washington	112	62	85	29.88	29.99	− .01	73.8	+ 1.1	97	24	84	51	3	64	31	64	60	66	6.20	+ 2.0	11	4,477	s.	44	nw.	4	11	13	6	5.0		
Lynchburg	681	153	188	29.27	30.00	− .01	76.6	+ 3.1	101	25	88	51	17	65	35	66	61	64	2.21	− 1.7	7	4,596	w.	36	nw.	27	3	22	5	5.8		
Mount Weather	1,725	10	75	28.21	29.98	− .02	68.9	+ 1.3	92	10	78	48	20	60	32	60	55	70	3.87	− 0.9	12	10,090	nw.	58	w.	27	1	16	13	6.9		
Norfolk	91	170	205	29.92	30.01	+ .01	75.0	+ 0.6	97	12	84	57	6	66	27	67	64	71	3.20	− 1.1	14	8,224	sw.	38	sw.	12	8	18	4	4.7		
Richmond	144	11	52	29.86	30.00	− .01	75.8	+ 0.7	100	12	87	52	3	64	34	67	62	66	2.76	− 0.8	11	5,068	s.	31	nw.	27	16	11	3	3.7		
Wytheville	2,293	40	47	27.70	29.99	− .01	72.4	+ 3.7	94	26	85	50	3	60	33	65	61	72	0.60	− 3.5	8	3,328	w.	23	w.	28	21	6	3	2.8		
South Atlantic States.							**79.3**	**+ 3.3**										**74**	**3.09**	**− 1.8**										**5.0**		
Asheville	2,255	70	84	27.76	30.03	+ .02	73.1	+ 4.4	92	25	84	51	18	62	28	66	62	75	5.34	+ 1.0	16	4,131	nw.	38	w.	12	9	16	5	5.0		
Charlotte	773	68	76	29.20	30.02	+ .01	79.8	+ 4.3	102	25	90	57	18	69	29	69	64	68	2.12	− 2.3	12	4,332	ne.	34	w.	27	5	18	7	5.8		
Hatteras	11	12	50	30.00	30.01	.00	75.5	+ 1.1	90	24	81	65	19	70	15	70	68	80	2.58	− 1.8	12	9,497	sw.	36	n.	22	10	16	4	4.6		
Manteo	12	12	46				73.6		95	22	84	51	3	63					1.48	− 2.9	6		sw.				21	7	2			
Raleigh	376	103	110	29.61	30.00	− .01	78.6	+ 3.5	100	25	89	59	17	68	29	69	64	69	3.42	− 1.3	11	5,032	sw.	48	w.	22	6	22	2	5.1		
Wilmington	78	81	91	29.95	30.03	+ .02	78.0	+ 3.5	98	23	86	60	3	70	22	71	69	79	1.13	− 4.5	7	5,631	sw.	24	sw.	28	9	17	4	4.9		
Charleston	48	11	92	29.97	30.02	+ .01	80.6	+ 2.1	101	24	87	66	19	74	26	74	72	79	4.33	− 1.1	12	7,108	s.	58	ne.	9	15	8	7	4.5		
Columbia, S. C.	351	41	57	29.64	30.02	+ .01	80.5	+ 2.3	103	24	91	60	18	70	32	70	66	70	6.31	+ 2.1	8	4,844	sw.	48	n.	28	14	12	4	4.4		
Augusta	180	89	97	29.82	30.01	.00	82.6	+ 4.5	104	25	94	62	19	72	28	71	67	66	1.72	− 2.8	9	4,225	s.	36	ne.	28	12	11	7	5.2		
Savannah	65	150	194	29.96	30.03	+ .02	81.6	+ 3.4	101	24	91	65	19	72	26	73	71	80	4.27	− 1.8	12	7,226	sw.	49	e.	9	12	12	6	4.9		
Jacksonville	43	96	129	29.98	30.03	+ .02	82.8	+ 3.8	101	24	92	70	12	74	25	74	71	75	1.32	− 4.2	7	5,780	sw.	37	s.	16	9	16	5	5.4		
Florida Peninsula.							**81.6**	**+ 1.1**										**75**	**2.78**	**− 4.0**										**4.6**		
Key West	22	10	64	30.01	30.03	+ .04	82.3	+ 0.1	90	27	87	71	21	77	18	74	71	71	1.04	− 3.2	9	5,854	se.	24	ne.	21	14	14	2	3.9		
Miami	25	37	72	30.02	30.05		81.2	+ 0.8	90	18	87	68	3	75	17	74	71	72	2.57	− 5.3	9	5,106	se.	23	sw.	30	6	12	12	6.2		
Sand Key	23	39	72	29.98	30.01	+ .02	81.0		88	20	83	71	5	79	9	76	74	79	0.14		2	7,456	e.	35	s.	29	20	9	1	3.1		
Tampa	35	79	96	30.00	30.03	+ .02	81.2	+ 2.5	93	25	89	67	3	73	22	74	72	77	4.73	− 3.6	13	4,169	sw.	29	e.	29	8	16	6	5.3		
Titusville	44	6																														
East Gulf States.							**82.8**	**+ 4.7**										**70**	**2.85**	**− 1.7**										**4.0**		
Atlanta	1,174	190	216	28.83	30.04	+ .03	80.8	+ 5.2	100	25	91	58	19	70	25	69	64	62	2.14	− 1.7	8	6,142	nw.	36	w.	14	19	4	7	3.9		
Macon	370	78	87	29.62	30.00	− .01	82.8	+ 5.7	103	25	94	62	18	71	28	72	68	67	2.18	− 1.4	10	3,674	s.	31	w.	14	13	14	3	4.0		
Thomasville	273	8	57	29.73	30.02	+ .02	83.2	+ 3.7	101	24	96	66	20	71	30	73	70	74	2.62	− 2.1	11	3,398	sw.	32	e.	29	11	15	4	4.6		
Pensacola	56	140	182	29.96	30.02	+ .03	82.2	+ 2.2	94	15	88	71	16	76	23	75	73	77	3.57	− 1.3	5	7,636	sw.	44	e.	16	12	13	5	4.7		
Anniston	741	9	57	29.26	30.04	+ .04	81.2	+ 6.2	103	26	94	61	29	68	39				2.25	− 1.6	11	2,944	s.	34	ne.	10	15	12	3	3.6		
Birmingham	700	11	48	29.28	30.03	+ .04	81.9	+ 3.7	100	26	93	64	19	71	32	71	67	67	4.49	+ 0.6	7	3,474	nw.	33	n.	15	18	8	4	3.7		
Mobile	57	125	161	29.96	30.02	+ .03	83.7	+ 4.6	101	26	92	71	15	75	26	75	72	76	5.78	− 0.2	12	5,801	sw.	44	nw.	15	14	15	1	3.8		
Montgomery	223	100	112	29.77	30.01	+ .01	84.0	+ 4.9	104	26	95	65	19	73	27	73	69	66	1.82	− 2.4	8	3,896	s.	39	ne.	15	18	10	2	3.4		
Meridian	375	85	93	29.62	30.00	+ .02	83.6	+ 6.3	102	26	95	67	1	73	33	73	69	68	0.63	− 4.0	4	3,074	sw.	25	sw.	27	11	14	5	4.8		
Vicksburg	247	62	74	29.75	30.02	+ .05	83.3	+ 4.8	99	10	93	67	17	74	28	74	71	71	2.31	− 2.2	5	3,411	sw.	34	e.	10	23	5	2	2.7		
New Orleans	51	90	121	29.96	30.01	+ .03	84.2	+ 4.6	98	28	93	70	3	76	22	76	73	75	3.51	− 2.6	10	4,683	sw.	33	sw.	3	12	14	4	4.5		
West Gulf States.							**82.4**	**+ 3.4**										**69**	**0.73**	**− 3.0**										**3.4**		
Shreveport	249	77	93	29.74	30.00	+ .04	83.9	+ 4.3	101	30	94	70	1	74	25	74	70	69	2.29	− 1.3	4	4,066	s.	23	e.	10	23	6	1	2.9		
Bentonville	1,303	11	44	28.65	29.98	+ .04	79.1	+ 5.0	97	19	91	59	17	68	35				1.40	− 3.2	5	2,715	s.	25	s.	29	18	10	2	3.1		
Fort Smith	457	79	94	29.49	29.96	+ .02	83.0	+ 6.2	102	28	94	65	17	72	35	71	66	59	0.38	− 3.6	3	4,106	s.	35	w.	29	19	7	4	3.1		
Little Rock	357	139	147	29.61	29.98	+ .02	84.0	+ 6.8	101	27	94	64	17	74	28	72	67	60	0.01	− 4.1	1	6,035	s.	27	s.	15	18	11	1	3.2		
Brownsville	57	3	40				82.6		96	29	91	71	11	74	21				0.63		4		s.									
Corpus Christi	20	69	77	29.98	30.00	+ .09	81.6	+ 1.0	89	10	86	74	11	77	13	76	75	83	0.04	− 2.7	2	9,797	se.	30	se.	22	12	18	0	3.9		
Dallas	512	109	117	29.45	29.98		83.6		101	28	92	69	1	75	24				2.86		3	6,430	se.	27	se.	7	14	15	1	3.8		
Fort Worth	670	106	114	29.25	29.95	+ .03	83.0	+ 2.9	101	28	92	67	16	74	26	71	65	62	2.97	0.0	4	7,204	s.	30	s.	10	12	15	3	3.7		
Galveston	54	106	114	29.97	30.03	+ .08	82.3	+ 1.4	94	29	87	73	22	78	17	75	73	78	0.12	− 4.6	1	6,459	s.	28	n.	18	20	10	0	2.8		
Houston	138	111	131	29.86	30.00		83.2	+ 2.2	98	29	92	72	2	74	24				0.95		7	4,789	se.	25	se.	29	15	13	2	4.0		
Palestine	510	64	72	29.46	29.98	+ .04	82.5	+ 4.1	98	29	92	67	1	73	23	73	70	72	T.	− 4.0	0	4,400	s.	15	s.	7	22	6	2	3.2		
San Antonio	701	80	91	29.27	29.98	+ .08	82.0	+ 1.6	96	29	91	70	13	73	26	73	69	72	0.01	− 3.0	1	4,083	se.	18	se.	30	17	12	1	3.4		
Taylor	583	55	63	29.41	30.02	+ .10	81.6	+ 1.6	98	28	91	68	13	72	26				0.09	− 3.4	1	6,315	s.	26	se.	7	12	16	2	4.3		

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

Districts and stations.	Elevation of instruments. Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Pressure in inches. Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Temperature of the air, in degrees Fahrenheit. Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Precipitation, inches. Total.	Departure from normal.	Days with 0.01 or more.	Wind. Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Direction.	Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Ohio Valley and Tennessee.							76.5	+ 3.3										63	2.85	− 1.4										4.7		
Chattanooga	762	189	213	29.23	30.02	+ .02	80.5	+ 5.1	98	26	92	58	19	70	28	69	64	64	2.25	− 2.1	8	4,889	sw.	37	n.	1	10	17	3	4.5		
Knoxville	996	93	100	28.98	30.01	+ .01	79.4	+ 6.0	99	27	90	56	18	68	27	69	64	65	3.91	− 0.3	8	3,191	sw.	32	n.	12	12	12	6	4.9		
Memphis	399	76	97	29.60	30.02	+ .05	84.2	+ 6.5	99	27	93	64	17	75	23	72	67	60	0.12	− 4.2	1	5,277	sw.	32	nw.	15	20	8	2	2.5		
Nashville	546	168	191	29.45	30.02	+ .03	81.8	+ 5.5	100	25	93	60	18	71	32	70	64	61	2.95	− 1.4	7	5,024	sw.	65	nw.	15	15	12	3	4.0		
Lexington	989	75	102	28.96	30.00	.00	75.8	+ 2.6	99	27	86	53	17	65	29				4.77	+ 0.8	8	5,982	sw.	40	nw.	25	14	13	3	4.0		
Louisville	525	219	255	29.44	30.02	+ .04	78.9	+ 3.9	101	27	89	55	17	68	28	68	63	61	2.20	− 2.0	5	7,301	sw.	34	n.	1	9	17	4	4.7		
Evansville	431	72	82	29.53	29.99	+ .02	80.0	+ 4.7	100	24	90	57	16	70	28	69	64	63	3.99	− 0.2	8	4,679	sw.	46	ne.	13	9	20	1	4.5		
Indianapolis	822	154	164	29.13	30.00	+ .03	74.8	+ 2.4	97	24	85	49	16	64	31	64	58	58	3.65	− 0.7	8	6,484	sw.	35	sw.	4	7	20	3	5.2		
Terre Haute	575	96	129	29.38	29.98		77.2		100	24	88	48	16	66	29	66	60	59	1.41		5	6,506	sw.	29	sw.	21	3	24	3	5.7		
Cincinnati	628	152	160	29.34	30.00	+ .01	76.2	+ 2.5	100	27	87	52	20	66	31	66	60	61	2.20	− 1.8	9	4,697	sw.	27	nw.	25	11	16	3	4.6		
Columbus	824	173	222	29.16	30.01	+ .02	72.6	+ 1.6	97	24	84	45	20	61	35	63	58	64	2.03	− 1.5	7	6,994	sw.	55	nw.	4	11	12	7	4.7		
Dayton	899	181	216	29.06	29.99		73.0	+ 0.8	97	27	84	46	20	62	37	64	58	65	2.17	− 1.8	9	6,654	ne.	45	n.	4	10	11	9	5.4		
Pittsburgh	842	353	410	29.11	30.00	+ .01	71.0	− 0.1	93	24	81	45	17	61	31	61	54	59	3.31	− 0.6	7	7,316	nw.	53	nw.	27	10	10	10	5.3		
Elkins	1,940	41	50	28.02	30.01	+ .01	69.5	+ 2.9	95	10	83	37	17	56	44	61	58	72	4.23	− 0.8	11	2,498	w.	29	w.	22	6	14	10	5.9		
Parkersburg	638	77	84	29.38	30.03	+ .03	73.4	+ 1.9	97	25	85	48	20	62	38	64	59	66	2.16	− 2.5	8	3,698	n.	57	nw.	22	15	12	3	4.0		
Lower Lake Region.							66.1	− 0.9										67	2.51	− 1.1										4.8		
Buffalo	767	247	280	29.17	30.00	+ .03	63.2	− 1.9	80	18	70	43	20	56	26	58	54	74	1.72	− 1.4	10	9,640	sw.	46	w.	24	10	12	8	5.2		
Canton	448	10	61	29.48	29.95		61.0	− 4.8	87	24	72	38	6	50	42				2.29	− 1.1	10	7,338	sw.	28	nw.	19	20	5	5	3.4		
Oswego	335	76	91	29.60	29.96	− .01	61.3	− 2.5	86	24	69	44	20	54	30	55	51	71	1.36	− 2.1	9	6,490	w.	28	sw.	24	14	9	7	4.5		
Rochester	523	86	102	29.43	30.00	+ .03	65.4	− 0.7	92	9	75	41	20	56	32	57	50	61	1.71	− 1.4	13	5,812	w.	27	w.	24	15	6	9	4.5		
Syracuse	597	97	113	29.35	29.99	+ .02	64.4	− 2.5	88	24	73	41	20	56	30	58	53	68	4.40	+ 0.5	13	7,626	nw.	49	sw.	24	17	6	7	4.1		
Erie	714	92	102	29.24	30.00	+ .02	66.0	− 1.0	92	24	73	45	17	59	24	59	55	68	1.17	− 2.6	9	6,107	w.	25	n.	29	8	16	6	5.0		
Cleveland	762	190	201	29.20	30.01	+ .03	68.3	+ 0.4	93	24	76	48	20	60	29	61	57	69	2.80	− 0.9	9	7,805	se.	42	n.	15	6	19	5	5.1		
Sandusky	629	62	103	29.34	30.01	+ .03	69.8	+ 1.0	95	9	78	50	17	61	34	62	57	65	3.13	− 0.7	11	7,531	sw.	37	ne.	15	5	16	9	5.7		
Toledo	628	208	246	29.34	30.02	+ .05	69.9	+ 0.5	95	8	79	45	20	60	29	61	56	64	3.29	− 0.1	12	8,924	sw.	37	sw.	24	13	12	5	4.1		
Fort Wayne	856	113	124	29.09	30.00		70.4	+ 1.9	96	21	82	43	20	59	35	63	58	67	2.39		9	5,849	sw.	41	nw.	26	7	18	5	5.2		
Detroit	730	218	258	29.23	30.01	+ .04	68.0	+ 0.2	94	8	77	43	20	59	27	59	53	63	3.25	− 0.6	11	7,592	w.	35	w.	24	8	13	9	5.6		
Upper Lake Region.							62.5	− 0.1										71	4.75	+ 1.4										5.3		
Alpena	609	13	92	29.35	30.02	+ .06	59.6	− 0.7	94	9	69	36	20	50	33	55	50	72	2.79	− 0.8	10	7,606	nw.	46	e.	28	2	20	8	5.8		
Escanaba	612	54	60	29.34	30.00	+ .06	59.0	− 1.6	92	9	68	36	20	50	30	54	50	74	4.35	+ 0.8	11	7,494	s.	40	ne.	28	10	10	10	5.8		
Grand Haven	632	54	92	29.32	29.99	+ .03	63.8	− 0.9	82	27	73	41	16	55	30	58	53	70	8.16	+ 5.6	10	6,710	w.	33	nw.	28	13	8	9	4.5		
Grand Rapids	707	70	87	29.25	30.00	+ .03	67.6	− 0.5	91	8	78	42	16	57	32	60	55	65	6.13	+ 3.6	10	4,020	w.	32	w.	24	8	13	9	5.6		
Houghton	684	62	72	29.26	29.98	+ .04	59.1	− 0.3	94	8	69	39	20	49	32				3.97	+ 0.5	13	6,496	se.	40	e.	27	11	12	7	4.8		
Lansing	878	11	62	29.08	30.00		66.0	− 1.4	93	8	78	37	20	54	34	59	55	69	4.11	+ 0.7	10	3,306	sw.	19	se.	26	10	11	9	5.3		
Ludington	637	60	66	29.31	30.00		60.2		79	9	69	38	20	52	27	56	52	73	7.39		14	6,852	s.	46	w.	24	10	12	8	5.0		
Marquette	734	77	111	29.22	30.03	+ .09	58.8	+ 0.3	97	7	69	34	19	49	36	52	46	65	4.21	+ 0.7	10	6,443	nw.	36	nw.	11	9	8	13	5.8		
Port Huron	633	70	120	29.32	30.01	+ .04	64.3	+ 0.5	94	8	74	39	20	55	30	58	54	69	1.60	− 1.6	8	6,614	sw.	36	n.	19	10	14	6	5.1		
Saginaw	641	48	82	29.32	30.01		65.6		94	8	77	40	16	55	32	61	58	75	3.89	+ 1.2	9	5,398	w.	32	nw.	24	12	10	8	5.1		
Sault Ste. Marie	614	11	61	29.33	30.02	+ .06	58.0	+ 0.4	92	8	70	35	20	46	35	52	46	69	2.72	0.0	12	5,923	w.	34	nw.	15	10	11	9	5.2		
Chicago	823	140	310	29.13	30.00	+ .04	70.2	+ 3.9	95	9	78	51	16	62	28	62	58	69	3.53	− 0.1	12	8,532	ne.	40	nw.	21	11	13	6	4.5		
Green Bay	617	109	144	29.32	29.98	+ .03	64.3	− 0.8	88	8	73	42	16	56	31	58	54	72	8.68	+ 5.1	15	7,703	s.	48	sw.	24	6	11	13	6.6		
Milwaukee	681	125	139	29.27	30.00	+ .05	64.4	+ 0.9	90	9	73	45	16	56	33	58	53	71	6.05	+ 2.4	14	5,755	ne.	39	nw.	24	9	12	9	5.4		
Duluth	1,133	11	47	28.77	29.98	+ .06	57.0	− 0.7	82	10	66	39	20	48	28	54	51	81	6.28	+ 1.8	17	9,373	ne.	62	ne.	27	8	15	7	5.2		
North Dakota.							63.2	− 0.5										74	7.94	+ 4.2										5.8		
Moorhead	940	8	57	28.93	29.93	+ .03	64.8	+ 0.5	85	7	75	41	19	54	35	60	57	78	8.92	+ 4.8	17	5,612	se.	38	e.	26	13	10	7	4.5		
Bismarck	1,674	8	57	28.16	29.92	+ .05	64.0	− 0.2	84	2	74	40	19	54	32	58	54	74	9.90	+ 6.4	19	7,447	e.	53	e.	25	9	9	12	5.7		
Devils Lake	1,482	11	44	28.35	29.90	+ .02	61.6	− 1.0	85	2	72	38	19	51	34	56	51	72	5.84	+ 2.3	15	8,282	ne.	50	sw.	6	7	11	12	6.3		
Williston	1,872	40	47	27.92	29.87	+ .01	62.2	− 1.3	89	2	73	42	10	52	34	55	51	72	6.68	+ 3.1	17	5,858	se.	50	n.	3	3	15	12	6.6		
Upper Mississippi Valley.							73.6	+ 2.7										66	4.56	+ 0.2										5.1		
Minneapolis	918	102	208				66.8		88	3	76	45	19	58	29				8.63	+ 4.6	21	8,426	se.	67	nw.	23	9	8	13	6.0		
St. Paul	837	201	236	29.03	29.93	+ .01	66.2	− 1.2	88	3	75	46	19	57	28	60	56	72	6.49	+ 2.1	20	8,971	se.	56	nw.	23	6	15	9	5.7		
La Crosse	714	11	48	29.19	29.95	+ .02	68.3	+ 0.1	89	3	78	49	20	59	30				9.78	+ 5.4	17	3,371	se.	36	nw.	24	6	8	16	6.5		
Madison	974	70	78	28.96	29.99	+ .05	66.6	− 0.7	87	23	76	42	20	58	29	61	56	71	3.46	− 0.6	14	6,251	sw.	39	n.	24	8	12	10	6.0		
Charles City	1,015	10	49	28.89	29.94	+ .03	69.2	+ 0.4	91	21	79	46	17	59	30	63	60	76	5.85	+ 0.8	18	5,332	se.	30	ne.	5	8	19	3	5.0		
Davenport	606	71	79	29.31	29.96	+ .02	72.4	+ 1.5	96	21	82	45	20	62	38	64	60	66	8.84	+ 4.7	12	5,952	e.	40	w.	27	9	11	10	5.5		
Des Moines	861	84	97	29.02	29.91	− .01	74.4	+ 4.0	95	24	84	52	20	64	38	65	60	65	3.89	− 1.1	10	6,764	sw.	48	sw.	6	6	18	6	5.6		
Dubuque	698	81	96	29.24	29.98	+ .05	69.8	+ 0.2	90	8	79	45	20	61	28	63	59	70	5.81	+ 1.3	15	4,615	s.	34	nw.	24	6	15	9	6.0		
Keokuk	614	64	78	29.30	29.96	+ .02	76.8	+ 4.3	100	26	87	49	20	66	39	68	63	66	3.33	− 1.0	9	5,853	s.	32	w.	27	9	19	2	4.4		
Cairo	356	87	93	29.60	29.97	.00	81.7	+ 6.5	100	27	92	62	16	72	26	70	66	63	0.92	− 3.4	5	5,310	sw.	30	nw.	11	15	9	6	4.2		
Peoria	609	11	45	29.33	29.99	+ .04	74.2	+ 3.3	99	21	86	47	20	63	40	65	60	64	2.45	− 1.8	8	4,859	s.	26	w.	27	14	11	5	4.2		
Springfield, Ill	644	10	91	29.30	29.97	+ .02	77.3	+ 5.0	100	26	89	50	16	66	39	66	60	58	1.69	− 2.6	7	6,010	sw.	25	w.	27	7	17	6	5.2		
Hannibal	534	74	109	29.40	29.96	+ .01	78.4	+ 5.1	99	26	89	53	20	68	39				2.60	− 0.9	7	7,139	sw.	36	sw.	27	14	11	5	4.2		
St. Louis	567	265	303	29.37	29.96	+ .01	81.1	+ 6.0	101	26	91	57	20	71	36	68	62	54	0.10	− 4.4	3	8,999	sw.	44	sw.	27	19	9	2	3.4		
Missouri Valley.							74.6	+ 3.6										68	5.86	+ 1.5										4.4		
Columbia, Mo.	784	11	84	29.15	29.96	+ .01	78.8	+ 4.3	98	26	90	50	17	68	39				3.14	− 1.2	9	5,817	s.	28	w.	27	9	13	8	5.0		
Kansas City	963	161	181	28.92	29.92	.00	78.4	+ 5.4	96	26	88	58	17	69	34	68	63	63	5.51	+ 0.8	11	8,648	s.	48	n.	21	15	10	5	3.9		
St. Joseph	967	11	49	28.91	29.91		78.2		97	20	88	55	17	69	35	68	64	67	5.40		8	6,431	s.	38	nw.	14	14	8	8	4.4		
Springfield, Mo.	1,324	98	104	28.62	29.98	+ .03	78.8	+ 6.5	97	19	89	57	16	69	30	68	62	61	1.48	− 3.7	5	6,944	s.	27	nw.	30	21	7	2	2.6		
Iola	984	11	50	28.91	29.92	− .01	79.6	+ 6.2	98	26	90	57	17	69	36				3.94	− 0.8	7	5,536	s.	34	nw.	30	17	10	3	3.4		
Topeka	983	85	101				78.2	+ 4.7	98	20	88	57	17	68	35				8.50	+ 3.7	10	8,333	s.	34	s.	8	13	11	6	4.0		
Lincoln	1,189	11	84	28.65	29.87	− .03	75.2	+ 3.6	98	26	86	55	28	65	33	67	63	72	10.71	+ 6.4	17	8,197	s.	52	nw.	14	11	14	5	4.7		
Omaha	1,105	115	121	28.74	29.89	− .02	75.2	+ 3.6	97	25	85	56	28	66	33	67	63	69	7.01	+ 2.0	12	6,104	s.	36	n.	25	10	15	5	4.4		
Valentine	2,598	47	54	27.22	29.89	+ .03	69.8	+ 2.7	95	3	82	48	29	57	41	60	54	65	3.94	+ 0.1	14	7,860	se.	56	e.	12	17	8	5	3.6		
Sioux City	1,135	94	164	28.69	29.87	− .03	72.6	+ 3.2	94	23	83	53	1	62	30	65	61	69	3.91	0.0	15	9,896	s.	67	s.	23	8	14	8	5.3		
Huron	1,306	59	74	28.52	29.89	+ .01	68.0	+ 1.4	94	3	78	49	1	58	31	62	58	76	11.56	+ 7.8	15	8,432	se.	58	nw.	3	7	16	7	5.4		
Pierre	1,572	70	75	28.26	29.89	+ .02	68.8	− 0.1	95	18	80	51	28	58	38	61	57	69	5.72	+ 2.6	16	8,068	e.	56	w.	26	7	19	4	4.9		
Yankton	1,233	49	57	28.58	29.87	− .02	71.7	+ 2.3	94	21	82	50	28	61	34				4.84	+ 0.6	10	6,789	ne.	46	w.	4	3	20	7	6.0		

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

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Precipitation, inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
	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.				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.						
Northern Slope.							**61.9**	**− 0.2**										**62**	**2.70**	**+ 0.4**										**5.2**		
Havre	2,505	11	44	27.27	29.87	+ .02	60.7	− 1.7	93	1	72	39	11	49	40	54	48	67	4.07	+ 1.2	14	5,989	nw.	40	w.	22	12	8	10	5.7	.....	....
Helena	4,110	87	114	25.77	29.90	+ .05	58.3	− 2.3	91	18	69	38	6	48	37	49	43	62	3.63	+ 1.5	14	6,375	sw.	35	sw.	21	8	8	14	6.1	.....	....
Kalispell	2,962	11	34	26.89	29.92	+ .04	57.3	− 1.5	91	17	70	35	5	44	41	48	42	65	2.51	+ 0.8	10	3,272	w.	22	w.	1	8	16	6	5.3	.....	....
Miles City	2,371	26	48	27.40	29.90	+ .05	66.7	+ 0.7	94	1	80	41	7	54	37	57	50	63	3.44	+ 0.7	13	4,136	s.	34	n.	13	8	16	6	5.1	.....	....
Rapid City	3,259	50	58	26.55	29.89	+ .04	66.6	+ 2.8	91	18	79	48	7	55	33	56	49	59	3.07	− 0.5	16	6,571	n.	50	sw.	25	11	9	10	5.3	.....	....
Cheyenne	6,088	84	101	24.03	29.86	+ .02	61.4	− 0.1	85	19	74	41	7	48	40	50	41	53	0.25	− 1.3	7	8,697	s.	58	w.	26	8	17	5	5.3	.....	....
Lander	5,372	60	68	24.63	29.87	+ .02	60.8	− 0.5	91	18	76	29	7	45	45	48	36	47	0.18	− 0.9	7	4,764	w.	44	w.	20	12	15	3	4.5	.....	....
Sheridan	3,790	10	47	26.06	29.90	.....	61.1	.....	90	18	76	33	7	46	44	53	48	66	1.65	.....	12	4,503	nw.	40	nw.	28	9	13	8	4.9	.....	....
Yellowstone Park	6,200	11	48	23.89	29.91	+ .05	53.4	− 2.6	80	1	66	32	22	41	37	44	38	63	2.48	+ 0.8	19	5,877	s.	42	sw.	5	8	11	11	5.8	T.	....
North Platte	2,821	11	51	27.03	29.89	+ .03	72.1	+ 3.7	98	10	85	48	9	59	39	63	59	70	4.63	+ 1.4	14	5,591	s.	27	sw.	4	18	8	4	3.5	.....	....
Middle Slope.							**75.9**	**+ 4.0**										**59**	**2.33**	**− 0.8**										**3.7**		
Denver	5,291	129	172	24.72	29.86	+ .02	68.6	+ 2.2	93	28	83	43	9	54	41	53	43	48	1.67	+ 0.2	8	5,599	sw.	33	sw.	6	18	9	3	3.2	.....	....
Pueblo	4,685	80	86	25.27	29.84	+ .01	70.6	+ 1.6	96	28	84	43	9	57	42	55	44	46	1.90	+ 0.4	4	4,644	nw.	31	w.	8	19	8	3	3.1	.....	....
Concordia	1,398	42	50	28.45	29.88	− .02	78.6	+ 5.9	102	26	90	54	17	68	37	68	63	64	2.73	− 2.2	12	6,092	s.	38	s.	6	7	16	7	5.4	.....	....
Dodge City	2,509	11	51	27.33	29.86	− .01	77.3	+ 4.2	98	28	88	58	27	66	36	67	62	67	3.82	+ 0.5	9	8,986	s.	47	se.	5	14	14	2	4.2	.....	....
Wichita	1,358	139	158	28.49	29.88	− .03	79.6	+ 5.3	99	19	90	58	17	69	33	69	64	65	3.83	− 0.9	7	11,178	s.	50	nw.	5	21	7	2	2.8	.....	....
Oklahoma	1,214	10	47	28.69	29.93	+ .02	80.8	+ 5.1	100	28	91	62	17	70	35	70	65	63	0.02	− 3.0	2	10,846	s.	42	se.	6	15	14	1	3.6	.....	....
Southern Slope.							**78.0**	**+ 0.8**										**62**	**1.84**	**− 1.0**										**3.8**		
Abilene	1,738	10	52	28.18	29.94	+ .06	79.3	+ 1.1	96	29	89	65	10	70	27	69	65	65	1.10	− 2.1	4	7,373	s.	32	s.	7	16	6	8	3.8	.....	....
Amarillo	3,676	10	49	26.27	29.90	+ .05	76.2	+ 4.2	99	26	88	57	17	64	33	64	58	62	0.84	− 2.2	4	10,429	sw.	40	s.	7	24	6	0	3.0	.....	....
Del Rio	944	64	71	28.96	29.93	+ .08	80.7	− 1.4	96	29	89	68	16	72	24	.....	.....	.....	3.98	+ 0.9	8	6,340	se.	36	n.	16	13	15	2	3.6	.....	....
Roswell	3,566	75	85	26.35	29.87	+ .07	75.8	− 0.5	98	29	88	58	1	64	31	63	56	60	1.45	− 0.6	7	6,394	s.	32	s.	7	14	13	3	4.6	.....	....
Southern Plateau.							**76.7**	**− 0.9**										**40**	**0.65**	**+ 0.3**										**2.8**		
El Paso	3,762	110	133	.....	.....	.....	78.9	− 0.7	100	29	90	59	1	68	29	.....	.....	.....	1.47	+ 0.9	8	7,063	e.	58	se.	1	16	13	1	.....	.....	....
Santa Fe	7,013	57	62	23.32	29.81	.00	67.0	+ 0.8	87	29	79	49	9	55	31	52	40	43	1.72	+ 0.7	5	5,676	se.	34	sw.	6	13	17	0	4.1	.....	....
Flagstaff	6,907	8	57	.....	.....	.....	58.5	.....	86	27	74	31	3	43	46	.....	.....	.....	1.29	.....	8	.....	sw.	48	sw.	6	16	7	7	.....	.....	....
Phoenix	1,108	76	81	28.65	29.76	+ .02	84.6	+ 0.2	110	27	98	60	8	71	37	63	48	32	0.05	− 0.1	2	4,142	e.	28	ne.	30	20	5	5	2.7	.....	....
Yuma	141	9	58	29.62	29.76	+ .02	85.6	+ 0.9	114	27	102	58	8	69	41	66	54	41	T.	0	0	3,655	w.	21	s.	4	30	0	0	0.4	.....	....
Independence	3,910	11	42	25.95	29.88	+ .10	67.5	− 5.9	101	28	83	39	6	52	42	53	41	45	0.01	− 0.1	1	3,070	nw.	34	sw.	19	18	7	5	4.2	.....	....
Middle Plateau.							**63.3**	**− 1.9**										**46**	**1.43**	**+ 0.9**										**3.8**		
Reno	4,532	74	81	25.44	29.89	+ .03	61.6	+ 0.6	95	28	76	33	5	47	45	47	34	44	0.29	0.0	3	5,592	w.	36	w.	18	18	8	4	3.2	T.	....
Tonopah	6,090	12	20	24.05	29.86	.....	62.2	.....	92	29	74	30	5	50	33	47	32	41	0.58	+ 0.1	7	5,712	w.	40	nw.	25	14	14	2	4.2	.....	....
Winnemucca	4,344	18	56	25.58	29.91	+ .03	61.2	− 2.1	95	18	76	31	6	46	42	48	37	50	2.17	+ 1.5	9	4,159	ne.	25	sw.	4	13	7	10	4.4	0.1	....
Modena	5,479	10	43	24.59	29.84	+ .02	61.6	− 1.6	93	28	77	34	6	46	50	46	30	40	1.50	+ 1.1	6	9,103	sw.	52	sw.	24	17	7	6	3.2	T.	....
Salt Lake City	4,360	147	189	25.57	29.87	+ .02	64.9	− 3.4	92	18	76	32	6	54	32	53	43	51	2.68	+ 1.9	11	5,713	nw.	35	se.	24	17	10	3	3.8	2.0	....
Durango	6,546	18	56	23.71	29.88	+ .06	61.2	− 1.5	92	28	79	34	9	44	53	48	38	52	1.72	+ 0.9	6	.....	nw.	28	ne.	30	15	11	4	3.3	.....	....
Grand Junction	4,602	82	96	25.35	29.88	+ .05	69.2	− 3.4	95	29	82	44	7	57	35	52	39	41	1.10	+ 0.7	12	6,207	se.	55	sw.	6	14	9	7	4.2	.....	....
Northern Plateau.							**61.7**	**− 3.2**										**54**	**1.44**	**+ 0.3**										**5.3**		
Baker	3,471	48	53	26.44	30.01	+ .06	55.3	− 3.3	92	17	67	30	5	43	40	47	40	64	1.67	+ 0.5	10	4,042	S.	19	n.	20	11	6	13	5.1	0.4	....
Boise	2,739	78	86	27.12	29.94	+ .03	63.0	− 3.0	96	18	75	35	5	51	36	50	40	51	0.82	− 0.1	8	3,844	nw.	24	nw.	4	11	4	15	5.4	T.	....
Lewiston	757	40	48	29.13	29.94	.00	65.6	− 3.5	96	17	78	40	5	54	39	.....	.....	.....	0.96	− 0.1	9	2,492	e.	23	nw.	18	11	6	13	5.1	.....	....
Pocatello	4,477	46	54	25.45	29.91	+ .04	60.4	− 3.8	90	18	73	32	5	48	38	49	40	55	3.23	+ 2.2	14	5,398	se.	33	sw.	4	12	10	8	4.7	1.0	....
Spokane	1,929	101	110	27.92	29.95	+ .01	60.9	− 2.5	90	16	72	40	5	50	36	50	40	53	0.86	− 0.8	8	4,982	sw.	25	sw.	21	9	6	15	6.1	.....	....
Walla Walla	1,000	57	65	28.90	29.96	.00	64.9	− 3.3	95	16	76	43	5	54	34	53	42	49	1.12	− 0.1	10	3,724	s.	20	sw.	3	10	7	13	5.3	.....	....
North Pacific Coast Region.							**56.8**	**− 0.8**										**77**	**1.94**	**− 0.1**										**5.7**		
North Head	211	11	56	29.86	30.08	+ .09	53.1	− 1.9	60	27	56	44	4	51	11	51	50	90	2.35	+ 0.6	15	11,973	nw.	46	s.	5	4	15	11	6.3	.....	....
Port Crescent	259	8	53	29.79	30.08	+ .05	52.2	− 1.2	76	14	60	37	4	44	29	.....	.....	.....	1.52	− 0.3	10	3,504	w.	14	ne.	6	5	17	8	5.8	.....	....
Seattle	125	215	250	29.92	30.05	+ .05	58.9	− 1.2	87	15	67	43	5	51	26	53	48	73	1.75	0.0	11	6,781	s.	36	sw.	21	6	11	13	6.0	.....	....
Tacoma	213	113	120	29.82	30.04	+ .01	58.6	− 0.8	88	15	67	40	4	50	31	52	48	71	1.77	− 0.4	8	4,821	n.	24	sw.	3	6	16	8	5.4	.....	....
Tatoosh Island	109	7	57	29.95	30.05	+ .03	52.2	− 0.8	63	14	56	44	4	49	16	50	49	92	2.94	− 1.2	15	7,566	s.	36	e.	6	8	10	12	6.1	.....	....
Portland, Oreg.	153	68	106	29.87	30.03	− .01	61.4	+ 0.1	94	15	70	42	4	52	33	54	50	70	1.52	− 0.3	11	4,565	nw.	21	w.	3	8	8	14	5.9	.....	....
Roseburg	510	9	57	29.50	30.04	+ .01	61.3	+ 0.4	94	14	73	38	21	49	45	53	47	67	1.76	+ 0.7	7	2,597	n.	20	nw.	4	12	13	5	4.2	.....	....
Middle Pacific Coast Region.							**60.5**	**− 2.1**										**68**	**0.79**	**+ 0.4**										**3.9**		
Eureka	62	73	89	30.01	30.08	+ .03	52.8	− 1.8	63	23	56	45	5	49	13	50	49	88	1.73	+ 0.7	9	5,756	n.	34	n.	3	6	8	16	6.6	.....	....
Mount Tamalpais	2,375	11	18	27.52	29.97	+ .02	60.2	− 3.9	89	28	68	39	5	52	31	51	42	55	0.45	0.0	2	11,470	nw.	74	nw.	4	19	8	3	2.7	.....	....
Point Reyes Light	490	7	18	29.43	29.95	.....	51.2	− 1.6	62	26	54	44	5	48	13	.....	.....	.....	0.42	.....	3	19,573	nw.	94	nw.	4	8	16	16	6.4	.....	....
Red Bluff	332	50	56	29.54	29.89	+ .01	72.8	− 2.9	108	17	86	47	5	60	39	57	45	45	1.43	+ 1.0	5	4,156	se.	23	se.	6	20	7	3	2.6	.....	....
Sacramento	69	106	117	29.84	29.90	+ .01	67.1	− 1.8	101	29	80	49	8	54	37	57	49	62	0.60	+ 0.4	4	6,933	s.	32	nw.	4	25	3	2	1.8	.....	....
San Francisco	155	200	204	29.80	29.97	+ .01	56.6	− 0.4	84	27	63	48	6	50	26	51	48	79	0.29	+ 0.1	3	7,974	w.	35	w.	29	12	13	5	4.1	.....	....
San Jose	141	12	110	29.83	29.98	.....	62.5	− 2.5	93	28	75	44	9	50	39	.....	.....	.....	0.25	+ 0.2	4	4,620	nw.	26	nw.	4	18	10	2	3.3	.....	....
South Pacific Coast Region.							**65.6**	**− 0.5**										**68**	**0.14**	**0.0**										**3.4**		
Fresno	327	89	98	29.54	29.89	+ .04	73.6	− 2.2	106	29	89	50	8	58	39	57	43	4.2	+0.23	+ 0.1	2	6,826	nw.	30	nw.	5	21	7	2	2.4	.....	....
Los Angeles	338	159	191	29.58	29.94	+ .04	64.8	+ 0.3	88	28	74	52	12	56	27	58	54	76	0.09	0.0	1	3,850	s.	17	s.	5	15	8	7	4.3	.....	....
San Diego	87	62	70	29.84	29.94	+ .02	63.8	0.0	79	27	69	55	26	59	18	59	56	80	T.	0.0	0	4,804	w.	19	se.	5	24	5	1	2.8	.....	....
San Luis Obispo	201	47	54	29.78	30.00	+ .05	60.4	0.0	96	27	71	42	12	50	36	53	49	74	0.22	+ 0.1	2	4,053	nw	24	nw.	9	14	12	4	4.1	.....	....
West Indies.																																
San Juan	82	8	54	29.94	30.03	+ .04	78.6	.....	88	26	83	71	1	74	16	.....	.....	.....	5.14	− 0.7	18	9,794	e.	32	ne.	29	5	12	13	6.2	.....	....
Panama.																																
Ancon	92	6	69	29.71	29.81	.....	81.0	.....	94	22	89	70	6	73	20	76	75	89	7.28	− 0.8	21	4,649	nw.	24	n.	8	1	11	18	7.6	.....	....
Culebra	404	5	62	29.42	29.83	.....	80.0	.....	90	27	87	70	6	73	19	75	74	94	8.06	− 0.8	23	4,270	nw.	28	e.	18	0	4	26	8.8	.....	....
Colon	10	5	71	29.82	29.84	.....	80.5	.....	88	17	84	74	18	77	11	77	76	87	16.30	+ 2.9	25	5,892	w.	33	w.	8	1	11	18	7.6	.....	....

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

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Abilene, Tex.	15	3.55 p.m.	4.13 p.m.	0.67	3.58 p.m.	4.12 p.m.	.01	.24	.46	.66											
Albany, N. Y.	19			0.24														.20			
Alpena, Mich.	24			0.55														.52			
Amarillo, Tex.	20	10.40 p.m.	11.45 p.m.	0.65	10.50 p.m.	11.18 p.m.	.01	.12	.15	.34	.54	.60	.63								
Anniston, Ala.	3	8.40 p.m.	D. N. p.m.	0.70	10.37 p.m.	10.54 p.m.	.09	.30	.45	.52	.57										
Asheville, N. C.	12	4.10 p.m.	5.40 p.m.	1.17	4.15 p.m.	4.46 p.m.	.01	.70	.89	.91	.94	1.02	1.09	1.12							
	28	2.20 p.m.	2.55 p.m.	0.76	2.34 p.m.	2.54 p.m.	.01	.20	.44	.67	.74										
Atlanta, Ga.	18			0.86														.48			
Atlantic City, N. J.	8			0.65														.40			
Augusta, Ga.	18			0.99														.44			
Baker, Oreg.	7			0.22														.19			
Baltimore, Md.	25			0.50														.48			
Bentonville, Ark.	30			0.84														.33			
Binghamton, N. Y.	7	6.15 p.m.	7.55 p.m.	1.04	6.35 p.m.	7.12 p.m.	.08	.21	.30	.44	.57	.70	.81	.90	.93						
	24	6.55 p.m.	7.40 p.m.	0.82	7.08 p.m.	7.18 p.m.	.08†	.32†	.60†												
	28	8.13 p.m.	9.10 p.m.	0.57	8.18 p.m.	8.47 p.m.	.01	.14	.30	.39	.46	.50	.55								
Birmingham, Ala.	15	7.39 p.m.	D. N. p.m.	1.43	7.42 p.m.	7.59 p.m.	.01	.36	.89	1.18	1.25										
	17	12.26 p.m.	4.20 p.m.	1.38	1.16 p.m.	2.17 p.m.	.03	.09	.28	.39	.51	.72	.83	.88	.94	.99	1.05	1.16	1.22		
Bismarck, N. Dak.	4	9.05 p.m.	D. N. p.m.	1.01	9.09 p.m.	9.39 p.m.	.01	.24	.33	.41	.49	.58	.67								
	26–27	1.40 p.m.	6.44 a.m.	3.22	6.23 p.m.	6.51 p.m.	.20	.37	.73	1.00	1.12	1.23	1.31								
	29	2.08 p.m.	3.18 p.m.	0.56	2.15 p.m.	2.37 p.m.	.01			.40	.49	.52									
Block Island, R. I.	4			1.11														.21			
Boise, Idaho.	24			0.28														.16			
Boston, Mass.	20			0.35														.29			
Buffalo, N. Y.	19			0.53														.36			
Burlington, Vt.	19			1.32														.78			
Cairo, Ill.	1			0.37														.31			
Canton, N. Y.	19			0.64														.24			
Charles City, Iowa.	13	4.25 a.m.	2.08 p.m.	1.94	6.18 a.m.	6.44 p.m.	.12	.21	.32	.48	.67	.77	.80								
Charleston, S. C.	18–19	6.40 p.m.	D. N. a.m.	1.68	6.45 p.m.	8.12 p.m.	.02	.09	.16	.23	.28	.37	.39	.42	.47	.52	.65	.79	1.21	1.42	
Charlotte, N. C.	10	4.32 p.m.	5.42 p.m.	0.92	4.34 p.m.	5.18 p.m.	.01	.17	.36	.43	.50	.54	.67	.73	.83	.89					
Chattanooga, Tenn.	13			0.23														.23			
Cheyenne, Wyo.	1			0.13														.08			
Chicago, Ill.	4			1.16														.58			
Cincinnati, Ohio.	5			0.62														.43			
Cleveland, Ohio.	21			0.46														.44			
Columbia, Mo.	30–1 [1]	6.50 p.m.	D. N. a.m.	1.85	8.23 p.m.	9.41 p.m.	.08	.10	.16	.23	.31	.35	.40	.45	.50	.57	.67	.78	1.03		
Columbia, S. C.	5	5.20 p.m.	9.30 p.m.	1.56	5.50 p.m.	6.33 p.m.	.03	.30	.60	.90	1.01	1.11	1.21	1.31	1.40	1.43					
	18	10.25 a.m.	Noon.	0.68	11.30 p.m.	11.54 p.m.	.04	.10	.26	.38	.51	.64									
	28	3.55 p.m.	6.40 p.m.	2.67	5.02 p.m.	5.52 p.m.	.33	.12	.35	.60	1.01	1.29	1.57	1.84	2.02	2.11	2.18				
Columbus, Ohio.	4			0.88														.46			
Concord, N. H.	28–29			1.02														(*)			
Concordia, Kans.	15			0.99														.34			
Corpus Christi, Tex.	6			0.02														.02			
Dallas, Tex.	17	11.00 a.m.	11.59 a.m.	1.76	11.15 a.m.	11.53 a.m.	.08	.07	.11	.14	.36	.74	.98	1.43	1.68						
Davenport, Iowa.	4–5	7.22 p.m.			7.40 p.m.	8.02 p.m.	.05	.08	.30	.74	1.12	1.19									
					8.41 p.m.	9.27 p.m.	1.38	.21	.42	.54	.56	.59	.67	.73	.85	.93	.97				
					2.21 a.m.	3.00 a.m.	2.67	.21	.32	.41	.48	.59	.61	.66	.73						
			7.35 a.m.	4.33	4.08 a.m.	4.30 a.m.	3.48	.08	.27	.46	.57	.60									
Do.	24	6.58 p.m.	about 10.00 p.m.	1.59	7.07 p.m.	7.40 p.m.	.01	.12	.33	.41	.43	.71	1.09	1.23							
Dayton, Ohio.	10	4.35 p.m	5.45 p.m.	0.84	4.43 p.m.	5.25 p.m.	.04	.05	.10	.17	.23	.32	.43	.58	.76	.79					
Del Rio, Tex.	16	2.50 p.m.	8.45 p.m.	2.54	2.53 p.m.	3.33 p.m.	.01	.39	.72	1.16	1.54	1.80	1.94	2.00	2.05						
Denver, Colo.	14–15			1.06														.28			
Des Moines, Iowa.	25	D. N. a.m.	4.45 a.m.	1.22	1.42 a.m.	2.15 a.m.	.14	.19	.37	.50	.59	.67	.77	.84							
Detroit, Mich.	4			1.18														.57			
Devils Lake, N. Dak.	6	10.18 p.m.	D. N. p.m.	0.81	10.18 p.m.	10.37 p.m.	.00	.17	.47	.66	.72										
Dodge City, Kans.	1	4.10 p.m.	6.30 p.m.	1.13	6.18 p.m.	6.28 p.m.	.80	.24	.32												
Dubuque, Iowa.	4–5	5.58 p.m.	4.00 a.m.	1.85	7.19 p.m.	7.43 p.m.	.16	.12	.31	.59	.77	.82									
Duluth, Minn.	8			0.95														.57			
Durango, Colo.	1			1.05														(*)			
Eastport, Me.	4–5			1.65														.33			
Elkins, W. Va.	25	D. N. a.m.	D. N. a.m.	1.00	2.18 a.m.	2.53 a.m.	.01	.17	.33	.46	.50	.67	.89	.97							
El Paso, Tex.																					
Erie, Pa.	3–4			0.50														.22			
Escanaba, Mich.	24	D. N. a.m.	5.45 a.m.	1.10	2.29 a.m.	3.09 a.m.	.02	.08	.14	.17	.26	.46	.64	.81	.86						
	27	12.20 p.m.	3.00 p.m.	0.90	12.40 p.m.	1.14 p.m.	.06	.11	.25	.39	.45	.54	.60	.67							
Eureka, Cal.	24			0.26														.11			
Evansville, Ind.	5	6.12 p.m.	7.28 p.m.	0.66	6.34 p.m.	6.53 p.m.	.06	.10	.30	.44	.51										
	13	5.39 p.m.	6.22 p.m.	0.97	5.41 p.m.	6.28 p.m.	.01	.17	.41	.61	.77	.93	.95								
	25	1.38 p.m.	3.09 p.m.	1.56	1.40 p.m.	2.41 p.m.	.01	.06	.41	.70	.85	1.02	1.17	1.23							
Flagstaff, Ariz.	18			0.51														(*)			
Fort Smith, Ark.	16			0.32														.28			
Fort Wayne, Ind.	26			0.56														.48			
Forth Worth, Tex.	16	3.08 a.m.	6.48 a.m.	0.91	4.29 a.m.	5.06 a.m.	.04	.09	.15	.24	.39	.54	.70	.84	.85						
	17	10.52 a.m.	12.25 p.m.	1.71	10.52 a.m.	11.12 a.m.	.00	.28	.69	.97	1.11										
Fresno, Cal.	19			0.08														.08			
Galveston, Tex.	22			0.12														.11			
Grand Haven, Mich.	3–4	8.58 p.m.	8.45 a.m.	2.18	9.01 p.m.	9.21 p.m.	.01	.22	.50	.76	.85										
					6.13 a.m.	6.23 a.m.	1.50	.17	.35												
	21	4.50 p.m.	8.00 p.m.	2.57	5.08 p.m.	5.42 p.m.	.01	.15	.42	.74	.88	1.14	1.43	1.54							
					7.16 p.m.	7.40 p.m.	2.01	.08	.17	.33	.48	.55									
Do.	22	D. N. a.m.	8.20 a.m.	0.76	6.49 a.m.	7.24 a.m.	.02	.06	.10	.16	.34	.57	.65	.70							
Grand Junction, Colo.	15			0.14														.13			
Grand Rapids, Mich.	21	11.00 a.m.	9.00 p.m.	2.47	4.32 p.m.	5.08 p.m.	.36	.09	.19	.26	.34	.41	.47	.56	.59						
					5.49 p.m.	6.49 p.m.	1.03	.22	.34	.40	.56	.70	.74	.80	.86	.99	1.12	1.29			
Green Bay, Wis.	3–4	1.38 p.m.	9.10 a.m.	3.74	4.50 p.m.	6.26 p.m.	.55	.06	.11	.20	.25	.34	.51	.67	.68	.73	.83	1.33	1.63	2.08	
	6–7	6.05 p.m.	D. N. a.m.	1.12	9.51 p.m.	10.15 p.m.	.49	.05	.19	.35	.42	.46									
	27	12.35 a.m.	5.05 a.m.	1.13	3.15 a.m.	4.03 a.m.	.35	.13	.16	.20	.23	.26	.39	.56	.62	.73	.76				
Hannibal, Mo.	9			0.39														.38			
Harrisburg, Pa.	28			0.86														.41			
Hartford, Conn.	20			0.40														.33			
Hatteras, N. C.	19			1.57														.47			
Havre, Mont.	5			0.98														.39			
Helena, Mont.	24	5.22 p.m.	7.40 p.m.	0.78	5.26 p.m.	5.40 p.m.	.01	.27	.47	.54											
Houghton, Mich.	27	9.25 a.m.	1.40 p.m.	1.60	10.51 a.m.	11.11 a.m.	.27	.06	.13	.36	.51										
Houston, Tex.	17			0.34														.34			

[1] July 1.

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 June, 1914, at all stations furnished with self-registering gages*—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
Huron, S. Dak.	4	3.40 p.m.	6.15 p.m.	1.96	4.44 p.m.	5.58 p.m.	.03	.12	.18	.23	.41	.55	.67	.74	.84	.94	1.12	1.45	1.92		
	6-7	9.15 p.m.	D. N. a.m.	2.68	9.45 p.m.	11.01 p.m.	.05	.18	.23	.44	.65	.85	1.07	1.25	1.30	1.41	1.58	1.67	1.99		
					1.05 a.m.	11.33 a.m.	2.06	.09	.14	.21	.41	.51	.58								
Do.	7	7.40 p.m.	D. N. p.m.	1.80	8.47 p.m.	9.07 p.m.	.27	.14	.29	.51	.58										
					10.53 p.m.	11.01 p.m.	1.44	.23	.34												
Do.	13-14	D. N. p.m.	D. N. a.m.	0.82	11.38 p.m.	12.00 mid.	.21	.06	.14	.38	.57	.61									
Independence, Cal.	2			0.01														(*)			
Indianapolis, Ind.	10	2.19 p.m.	3.22 p.m.	0.76	2.24 p.m.	3.00 p.m.	.01								.75†						
Iola, Kans.	[1]30-1	7.30 p.m.	1.15 p.m.	1.39	8.15 p.m.	8.48 p.m.	.01	.07	.16	.38	.53	.66	.81	.86							
Jacksonville, Fla.	14			0.49														.34			
Kalispell, Mont.	25			0.80														.22			
Kansas City, Mo.	21-22	8.50 p.m.	D. N. a.m.	1.62	9.57 p.m.	10.55 p.m.	.30	.08	.12	.34	.44	.50	.57	.63	.70	.73	.78	.94			
Keokuk, Iowa.	13	7.20 a.m.	11.00 a.m.	1.75	7.36 a.m.	8.41 a.m.	.01	.09	.14	.27	.33	.35	.41	.45	.50	.58	.73	1.31	1.62		
Key West, Fla.	10-11			0.60														.54			
Knoxville, Tenn.	17-18	D. N. p.m.	9.55 a.m.	2.95	6.10 a.m.	7.27 a.m.	1.15	.09	.14	.18	.22	.26	.39	.45	.49	.58	.64	.80	1.18		
La Crosse, Wis.	4	1.35 a.m.	D. N. a.m.	0.61	2.28 a.m.	2.47 a.m.	.01	.23	.41	.48	.55										
	6	4.28 p.m.	5.20 p.m.	0.64	4.30 p.m.	5.00 p.m.	.01	.13	.32	.42	.43	.55	.62								
	26-27	10.52 p.m.	D. N. a.m.	2.82	11.47 p.m.	1.22 a.m.	.03	.25	.56	.87	1.09	1.15	1.21	1.26	1.30	1.36	1.49	1.80	2.33	2.79	
Lander, Wyo.	6			0.04														.03			
Lansing, Mich.	26			0.47														.44			
Lewiston, Idaho.	27			0.19														.11			
Lexington, Ky.	1	4.29 p.m.	5.30 p.m.	1.07	4.32 p.m.	5.07 p.m.	.01	.09	.34	.55	.72	.88	.98	1.05							
	4	11.10 p.m.	12 mid.	0.63	11.25 p.m.	11.36 p.m.	.01	.25	.55	.60											
	5	12.45 a.m.	8.50 a.m.	2.34	1.04 a.m.	1.28 a.m.	.03	.09	.17	.52	.62	.72									
					2.23 a.m.	3.02 a.m.	.76	.18	.33	.38	.44	.55	.80	.91	.98						
Lincoln, Nebr.	5	8.20 p.m.	11.20 p.m.	3.70	8.54 p.m.	11.00 p.m.	0.06	.05	.14	.35	.65	.94	1.29	1.58	1.81	1.93	2.07				
								2.20	2.32	2.57	2.80	2.90	2.92	2.92	2.93	2.93	2.93				
								3.03	3.26	3.35	3.40	3.57	3.61								
	14	2.55 a.m.	5.35 a.m.	1.09	3.00 a.m.	3.16 a.m.	0.01	.42	.72	.82	.84										
Little Rock, Ark.	15			0.01														.01			
Los Angeles, Cal.	7			0.09														.02			
Louisville, Ky.	5	2.05 a.m.	7.35 a.m.	1.38	3.15 a.m.	3.32 a.m.	.39	.21	.40	.48	.52										
Ludington, Mich.	3-4	3.15 p.m.	10.40 a.m.	2.76	3.28 p.m.	3.44 p.m.	.02	.14	.31	.45	.50										
	6-7	10.02 p.m.	D. N. a.m.	2.22	10.35 p.m.	11.05 p.m.	.06	.25	.38	.55	.68	.88	1.21								
Lynchburg, Va.	26	9.35 p.m.	11.20 p.m.	1.50	9.43 p.m.	10.13 p.m.	.01	.19†	.48†	.70†	.97†	1.21†	1.39†								
Macon, Ga.	18			1.37														.63			
Madison, Wis.	19			0.49														.39			
Marquette, Mich.	27			2.55														.63			
Memphis, Tenn.	17			0.12														.12			
Meridian, Miss.	18			0.24														.24			
Miami, Fla.	11	8.07 a.m.	9.30 a.m.	1.10	8.17 a.m.	8.47 a.m.	.02	.07	.14	.32	.52	.83	.98								
Milwaukee, Wis.	22	2.35 p.m.	4.50 p.m.	1.23	3.35 p.m.	4.03 p.m.	.05	.14	.27	.54	.76	1.09	1.17								
Minneapolis, Minn.	3	1.12 a.m.	6.40 a.m.	1.48	2.26 a.m.	3.46 a.m.	.15	.06	.15	.19	.21	.34	.38	.40	.50	.64	.80	.94	1.16		
	26	7.30 p.m.	11.30 p.m.	1.60	9.04 p.m.	9.31 p.m.	.21	.07	.15	.67	1.14	1.31	1.35								
Mobile, Ala.	14	5.46 p.m.	6.40 p.m.	0.63	5.55 p.m.	6.19 p.m.	0.02	.14	.25	.35	.47	.56									
	15	2.54 p.m.	4.00 p.m.	1.05	3.01 p.m.	3.23 p.m.	0.04	.24	.51	.83	.95	1.01									
	17	4.58 p.m.	7.20 p.m.	1.77	5.55 p.m.	6.50 p.m.	0.01	.13	.22	.23	.27	.30	.32	.33	.50	.62	.70	.76			
Modena, Utah.	29			0.32														.22			
Montgomery, Ala.	17	11.21 a.m.	12.10 p.m.	0.57	11.30 a.m.	11.46 a.m.	.01	.19	.36	.51	.54										
Moorhead, Minn.	8	2.55 p.m.	10.00 p.m.	2.90	3.44 p.m.	4.33 p.m.	.11	.15	.19	.48	.73	.85	1.05	1.33	1.59	1.77	1.87				
	26	3.15 p.m.	9.05 p.m.	1.82	7.30 p.m.	8.50 p.m.	.27	.09	.13	.19	.30	.42	.61	.76	.84	.90	1.00	1.28	1.51		
Mount Tamalpais, Cal.	6			0.43														.05			
Mount Weather, Va.	27	1.07 p.m.	2.15 p.m.	0.90	1.11 p.m.	1.29 p.m.	.01	.23	.47	.78	.86										
Nantucket, Mass.	4-5			1.18														.45			
Nashville, Tenn.	15	2.13 p.m.	4.00 p.m.	1.71	2.15 p.m.[2]	2.45 p.m.[2]	T.[3]						[3]1.71								
New Haven, Conn.	4			0.88														.23			
New Orleans, La.	6	2.55 p.m.	3.35 p.m.	0.56	2.58 p.m.	3.17 p.m.	.01	.15	.35	.53	.55										
New York, N. Y.	24			0.26														.26			
Norfolk, Va.	12	4.30 p.m.	7.10 p.m.	0.69	5.12 p.m.	5.23 p.m.	.07	.35	.58	.61											
Northfield, Vt.	19			0.56														.42			
North Head, Wash.	23			0.87														.32			
North Platte, Nebr.	12	8.02 p.m.	10.15 p.m.	1.17	8.05 p.m.	8.30 p.m.	.01	.32	.65	.91	1.02	1.07									
	20-21	11.50 p.m.	D. N. a.m.	0.65	11.57 p.m.	12.18 a.m.	.01	.24	.39	.47	.52										
Oklahoma, Okla.	1-3			0.01														.01			
Omaha, Nebr.	5-6	9.25 p.m.	12.15 a.m.	1.08	10.16 p.m.	10.47 p.m.	.02	.11	.27	.39	.51	.66	.80	.81							
	13	12.35 a.m.	6.20 a.m.	1.44	2.34 a.m.	3.18 a.m.	.32	.10	.22	.27	.40	.61	.77	.87	.91	.98					
	14	2.35 a.m.	6.15 a.m.	1.03	2.44 a.m.	3.08 a.m.	.03	.13	.35	.47	.57	.63									
Oswego, N. Y.	7			0.35														.34			
Palestine, Tex.	18-23			T.														T.			
Parkersburg, W. Va.	4			0.70														.41			
Pensacola, Fla.	16	11.15 a.m.	12.15 p.m.	1.05	11.29 a.m.	12.04 p.m.	.01	.10	.15	.31	.60	.78	.99	1.03							
	17	6.30 p.m.	8.05 p.m.	0.68	7.23 p.m.	7.51 p.m.	.01	.07	.14	.28	.54	.64	.67								
	18	10.40 a.m.	12.40 p.m.	0.92	12.14 p.m.	12.25 p.m.	.30	.24	.60	.62											
Peoria, Ill.	27	3.20 a.m.	4.00 a.m.	0.56	3.29 a.m.	3.55 a.m.	.01	.10	.22	.24	.40	.54	.55								
Philadelphia, Pa.	27	3.18 p.m.	4.20 p.m.	1.61	3.21 p.m.	4.15 p.m.	.01	.15	.37	.58	.79	.93	1.02	1.03	1.05	1.27	1.47	1.60			
		5.40 p.m.	8.10 p.m.	0.56	7.18 p.m.	7.43 p.m.	.05	.10	.20	.32	.42	.50									
Phoenix, Ariz.	1-2			0.05														.02			
Pierre, S. Dak.	4	8.03 p.m.	8.45 p.m.	0.86	8.07 p.m.	8.29 p.m.	.03	.10	.25	.46	.74	.81									
Pittsburgh, Pa.	27-28	9.55 p.m.	2.40 a.m.	1.72	10.09 p.m.	10.39 p.m.	.01	.09	.23	.26	.38	.52	.61								
					1.58 a.m.	2.18 a.m.	.94	.19	.63	.71	.76										
Pocatello, Idaho.	12			0.29														.29			
Point Reyes Light, Cal.	6			0.20														.06			
Port Huron, Mich.	3			0.59														.17			
Portland, Me.	29			0.54														.45			
Portland, Oreg.	5-6			0.80														.07			
Providence, R. I.	20			0.13														.13			
Pueblo, Colo.	11	6.02 p.m.	6.38 p.m.	0.54	6.02 p.m.	6.27 p.m.	.00	.13	.16	.19	.43	.51									
Raleigh, N. C.	21			0.53														.48			
Rapid City, S. Dak.	16	12.40 p.m.	2.20 p.m.	1.28	1.20 p.m.	1.51 p.m.	.04	.33	.63	.81	.89	1.04	1.20	1.22							
Reading, Pa.	24			0.59														.56			
Red Cliff, Cal.	24			0.83														.37			
Reno, Nev.	19			0.26														.07			
Richmond, Va.	25	8.46 p.m.	11.45 p.m.	1.50	9.10 p.m.	9.52 p.m.	.02	.08	.19	.45	.76	.98	1.14	1.24	1.31	1.35					
Rochester, N. Y.	19			0.64														.40			
Roseburg, Oreg.	24	3.10 p.m.	3.50 p.m.	0.45	3.26 p.m.	3.41 p.m.	.02	.07	.32	.43											
Roswell, N. Mex.	2			0.87														.48			
Sacramento, Cal.	24			0.23														.11			
Saginaw, Mich.	26	11.18 a.m.	1.12 p.m.	0.70	11.35 a.m.	11.56 a.m.	.06	.16	.28	.40	.49	.53									

[1] July 1. [2] About; eye observation; top of gage blown off. [3] Stick measurement.

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 June, 1914, at all stations furnished with self-registering gages*—Continued.

Stations.	Date.	Total duration.		Total amount of precipitation.	Excessive rate.		Amount before excessive rate began.	Depths of precipitation (in inches) during periods of time indicated.													
		From—	To—		Began—	Ended—		5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	35 min.	40 min.	45 min.	50 min.	60 min.	80 min.	100 min.	120 min.
St. Joseph, Mo.	30	2.28 p.m.	9.30 p.m.	2.44	4.58 p.m.	5.57 p.m.	.51	.09	.28	.39	.49	.58	.62	.66	.73	.91	1.35	1.52			
St. Louis, Mo.	12			0.07														.05			
St. Paul, Minn.	3	1.15 a.m.	6.15 a.m.	1.54	3.16 a.m.	4.06 a.m.	.50	.07	.19	.21	.26	.31	.36	.53	.62	.76	.85				
	5	10.00 p.m.	11.30 p.m.	0.73	10.03 p.m.	10.25 p.m.	.01	.20	.24	.30	.45	.51									
Salt Lake City, Utah	3-4			0.81														.20			
San Antonio, Tex.	1			0.01														.01			
San Diego, Cal.	1			T.														T.			
Sand Key, Fla.	22			0.10														.10			
Sandusky, Ohio	21	5.58 p.m.	6.35 p.m.	0.57	6.18 p.m.	6.30 p.m.	.01	.34	.53	.56											
San Francisco, Cal.	23			0.14														.03			
San Jose, Cal.	19			0.12														.06			
San Luis Obispo, Cal.	6-7			0.22														(*)			
Santa Fe, N. Mex.	16	7.13 p.m.	8.50 p.m.	1.00	7.33 p.m.	8.05 p.m.	.05	.07	.17	.26	.54	.80	.85	.89							
Sault Ste. Marie, Mich.	27			1.00														.28			
Savannah, Ga.	18			1.05														.63			
Scranton, Pa.	27			0.55														.44			
Seattle, Wash.	6			0.21														.21			
Sheridan, Wyo.	26			0.76														.65			
Shreveport, La.	13	3.15 p.m.	3.40 p.m.	1.02	3.17 p.m.	3.37 p.m.	.01	.32	.53	.78	1.01										
	17	10.10 a.m.	10.50 a.m.	0.59	10.14 a.m.	10.28 a.m.	.01	.28	.39	.53											
Sioux City, Iowa	10	8.27 p.m.	D.N.a.m.	1.20	8.30 p.m.	8.43 p.m.	.01	.24	.52	.62											
	17	2.56 p.m.	6.28 p.m.	0.86	5.46 p.m.	6.06 p.m.	.32	.07	.28	.46	.51										
Spokane, Wash.	2			0.16														.16			
Springfield, Ill.	13	12.24 p.m.	1.35 p.m.	0.71	12.26 p.m.	12.35 p.m.	.01	.47	.53												
Springfield, Mo.	15-16			0.95														(†)			
Syracuse, N. Y.	28	1.17 p.m.	2.50 p.m.	1.36	1.35 p.m.	2.18 p.m.	.03	.12	.34	.49	.66	.80	.97	1.07	1.16	1.24					
Tacoma, Wash.	24			0.60														.27			
Tampa, Fla.	30			1.12														.78			
Tatoosh Island, Wash.	24			0.51														.16			
Taylor, Tex.	1			0.09														.09			
Terre Haute, Ind.	13	2.15 p.m.	8.10 p.m.	0.61	2.42 p.m.	2.52 p.m.	.05	.14	.32												
Thomasville, Ga.	17	5.08 p.m.	7.20 p.m.	1.04	5.21 p.m.	5.59 p.m.	.02	.11	.41	.66	.74	.78	.86	.91	.94						
Toledo, Ohio	4	1.29 p.m.	3.35 p.m.	1.00	1.31 p.m.	1.46 p.m.	.01	.44	.74	.91											
Tonopah, Nev.	7			0.22														.14			
Topeka, Kans.	9	7.41 p.m.	10.00 p.m.	1.11	8.40 p.m.	8.56 p.m.	.25	.23	.39	.46	.50										
	15	2.25 a.m.	7.48 a.m.	1.27	2.36 a.m.	3.04 a.m.	.03	.10	.28	.48	.62	.76	.82								
	21	7.46 p.m.	11.20 p.m.	2.16	8.02 p.m.	8.50 p.m.	.01	.09	.23	.35	.69	.99	1.21	1.24	1.35	1.47	1.52				
Valentine, Nebr.	12	4.25 p.m.	7.20 p.m.	0.72	5.39 p.m.	5.59 p.m.	.16	.08	.26	.39	.47										
	29-30	10.00 p.m.	D.N.a.m.	0.75	12.21 a.m.	12.35 a.m.	.16	.18	.36	.48											
Vicksburg, Miss.	10	2.33 p.m.	3.20 p.m.	1.02	2.36 p.m.	3.09 p.m.	.01	.08	.12	.30	.51	.80	.93	1.00							
Walla Walla, Wash.	13			0.33														.18			
Washington, D. C.	25	12.35 a.m.	3.20 a.m.	0.89	12.38 a.m.	12.53 a.m.	.01	.34	.74	.85											
	28	4.34 p.m.	10.37 p.m.	2.41	5.07 p.m.	6.11 p.m.	.04	.07	.18	.32	.62	.86	1.00	1.12	1.23	1.38	1.48	1.57	1.64		
Wichita, Kans.	1			0.99														.60			
Williston, N. Dak.	3	1.55 p.m.	4.45 p.m.	1.50	2.08 p.m.	3.02 p.m.	.02	.11	.25	.58	.82	1.00	1.09	1.12	1.17	1.21	1.33	1.44			
Wilmington, N. C.	18-19			0.46														.24			
Winnemucca, Nev.	19-20			1.56														.52			
Wytheville, Va.	5-6			0.37														.22			
Yankton, S. Dak.	5-6	6.20 p.m.	12.15 a.m.	1.67	8.48 p.m.	9.17 p.m.	.50	.10	.22	.36	.49	.61	.69								
	10	4.45 p.m.	5.40 p.m.	0.73	5.04 p.m.	5.23 p.m.	.03	.08	.29	.58	.69										
Yellowstone Park, Wyo.	11-12			0.64														.28			

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

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

Stations.	Pressure in inches.			Temperature (°F.).						Precipitation in inches.		
	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.
St. Johns, N. F.	29.72	29.86	−.05	51.4	−0.2	60.2	42.6	75	32	2.49	−1.11	
Sydney, C. B. I.	29.86	29.90	−.05	52.4	−3.0	62.7	42.2	78	34	2.12	−1.11	
Halifax, N. S.	29.81	29.92	−.03	55.9	−1.8	67.8	43.9	87	32	5.36	+1.60	
Yarmouth, N. S.	29.86	29.93	−.02	53.6	−1.4	61.1	46.2	69	35	3.92	+1.16	
Charlottetown, P. E. I.	29.83	29.87	−.05	55.0	−2.4	64.0	46.1	79	37	5.32	+2.65	
Chatham, N. B.	29.84	29.86	−.03	57.0	−3.0	68.2	45.7	88	30	5.39	+1.93	2.0
Father Point, Que.	29.82	29.84	−.03	51.6	−1.4	59.8	43.4	76	32	2.16	− .82	0.1
Quebec, Que.	29.57	29.89	−.03	58.2	−3.0	68.0	48.0	86	32	2.99	− .66	
Montreal, Que.	29.70	29.90	−.04	62.1	−2.8	71.1	53.1	88	40	2.90	− .63	
Stonecliffe, Ont.	29.35	29.95	+.01	60.0	−1.6	73.4	46.5	96	30	3.25	+ .09	
Ottawa, Ont.	29.68	30.00	+.06	62.2	−3.1	72.0	52.4	85	39	2.92	.00	
Kingston, Ont.	29.65	29.96	−.01	63.8	+0.4	69.7	57.9	85	45	2.91	+ .48	
Toronto, Ont.	29.58	29.95	−.02	64.4	+1.0	74.8	54.0	91	38	2.17	− .63	
White River, Ont.	28.66	29.96	+.02	54.3	−4.4	71.0	37.6	91	22	0.70	−1.52	
Port Stanley, Ont.	29.37	30.01	+.04	62.1	-1.7	71.8	52.4	88	36	2.27	− .46	
Southampton, Ont.	29.31			59.5	−9.9	69.5	49.5	89	33	2.29	− .06	
Parry Sound, Ont.	29.30	29.98	+.02	60.4	−1.3	72.7	48.1	93	35	1.91	− .51	
Port Arthur, Ont.	29.29	30.00	+.06	58.0	+1.6	70.6	45.5	85	36	1.30	−1.43	
Winnipeg, Man.	29.11	29.93	+.04	63.2	+1.0	75.3	51.0	89	35	1.46	−1.83	
Minnedosa, Man.	28.14	29.93	+.04	59.4	−0.2	71.9	47.0	89	31	1.39	−1.61	
Qu'Appelle, Sask.	27.65	29.87	.00	58.9	+1.0	70.7	47.1	90	38	3.34	− .08	
Medicine Hat, Alberta	27.58	29.82	−.03	64.0	+2.0	78.7	49.4	96	41	2.00	− .76	
Swift Current, Sask.	27.30	29.82	−.05	60.0	0.0	72.9	47.2	91	37	2.31	− .36	
Calgary, Alberta	26.35	29.82	−.02	57.7	+1.7	71.4	44.1	89	31	2.64	+ .19	
Banff, Alberta	25.35	29.88	+.04	52.5	+1.0	64.7	40.3	79	33	1.81	−1.52	
Edmonton, Alberta	27.60	29.86	+.02	57.5	+0.6	68.1	46.9	84	39	8.53	+5.67	T.
Battleford, Sask.	28.15	29.86	.00	61.4	+1.9	73.1	49.6	88	40	2.47	− .84	
Kamloops, B. C.	28.68	28.88	+.01	63.9	+0.1	76.8	51.1	92	41	0.54	− .88	
Victoria, B. C.	29.78	29.98	−.03	55.9	−0.4	62.7	49.0	78	42	1.67	+ .47	
Barkerville, B. C.	25.64	29.92	+.05	50.4	−0.3	61.9	39.0	75	30	4.39	+ .91	
Hamilton, Bermuda	30.01	30.17	+.05	73.2	−1.8	78.3	68.1	81	61	2.08	−3.87	

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