CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given for the various sections of the climatological service of the Weather Bureau the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures with dates of occurrence; the stations reporting the greatest and least total precipitation; and other data, as indicated by the several headings.

The mean temperature for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course the number of such records is smaller than the total number of stations.

Summary of temperature and precipitation, by sections, August, 1914.

Section.	Temperature—in degrees Fahrenheit.								Precipitation—in inches and hundredths.					
	Section average.	Departure from the normal.	Monthly extremes.						Section average.	Departure from the normal.	Greatest monthly.		Least monthly.	
			Station.	Highest.	Date.	Station.	Lowest.	Date.			Station.	Amount.	Station.	Amount.
Alabama	79.1	− 0.6	Decatur	105	19	2 stations	59	30	6.41	+ 1.61	Robertsdale	12.89	Opelika	1.93
Arizona	79.9	+ 1.1	Sentinel	118	3	Fort Valley	36	31	2.11	− 0.35	Chiarsons Mill	9.41	4 stations	0.00
Arkansas	78.5	− 0.8	Newport	104	3	2 stations	57	6†	6.81	+ 3.19	Arkadelphia	13.74	Lewisville	2.82
California	72.1	− 0.7	Mojave	118	5	Greenville	24	19†	0.02	− 0.06	Cuyamaca	1.33	238 stations	0.00
Colorado	64.8	− 0.7	Wray	108	17	Dillon	25	13	1.99	+ 0.09	Steamboat Springs	5.36	2 stations	0.45
Florida	81.7	+ 0.6	Federal Point	101	8	Hilliard	60	1	5.70	− 1.72	Pinellas Park	11.51	Merritts Island	0.99
Georgia	79.1	− 0.2	3 stations	99	15†	Blue Ridge	55	16†	5.99	+ 0.39	Quitman	10.30	Hartwell	2.60
Hawaii (for July)	74.1	.....	Kaanapali, Maui	93	16	Honomanu Valley, Maui.	52	23	11.30	.....	Hakalau (Mauka), Hawaii.	62.26	Waiopae Ranch, Maui.	0.00
Idaho	66.8	+ 0.6	Kooskia	109	14	2 stations	24	18†	0.16	− 0.42	Burke	1.30	19 stations	0.00
Illinois	76.0	+ 1.7	2 stations	104	6†	Lanark	42	15	3.43	+ 0.22	Olney	8.28	Equality	0.71
Indiana	74.6	+ 0.8	Hickory Hill	102	22	2 stations	46	5†	4.73	+ 1.44	Paoli	8.05	2 stations	2.40
Iowa	73.7	+ 1.9	Lamoni	103	18	2 stations	40	14†	2.19	− 1.49	Lake Park	4.90	Webster City	0.42
Kansas	78.2	+ 1.0	Alton	108	17	Wallace	47	30	3.31	+ 0.07	Oswego	8.17	Lakin	0.64
Kentucky	76.0	+ 0.3	3 stations	100	2†	3 stations	49	1†	5.94	+ 2.59	Alpha	10.29	Franklin	2.86
Louisiana	80.8	− 1.1	Liberty Hill	106	1	Minden	59	1	7.48	+ 2.84	Lawrence	14.45	St. Gabriel	3.91
Maryland and Delaware.	74.7	+ 1.2	Green Spring Furnace, Md.	102	8	Deer Park, Md.	38	16	4.73	+ 0.37	Annapolis, Md.	9.31	Salisbury, Md.	1.57
Michigan	67.3	+ 0.8	2 stations	100	8†	Watersmeet	29	24	3.91	+ 1.20	Olivet	8.64	Whitefish Point	1.70
Minnesota	66.1	− 0.4	Tracey	101	8	2 stations	29	24†	3.97	+ 0.37	Minneapolis (1)	8.92	Wheaten	1.34
Mississippi	79.8	− 0.6	2 stations	99	11†	Charleston	58	1	6.75	+ 2.65	Columbus	12.02	Bay St. Louis	3.04
Missouri	78.0	+ 1.8	Steffenville	106	7	Unionville	49	11	4.25	+ 0.60	Mexico	8.31	Oregon	1.16
Montana	63.6	− 0.6	2 stations	105	3†	Bowen	15	19	0.95	− 0.25	Babb	4.06	4 stations	0.00
Nebraska	73.8	+ 0.9	2 stations	109	16†	2 sections	39	10†	2.69	− 0.09	Grand Island	7.52	Mitchell	0.29
Nevada	72.5	+ 0.2	Leeland	122	12†	Geyser	14	18†	0.14	− 0.22	San Jacinto	0.90	15 stations	0.00
New England	67.2	+ 0.2	Cornwell, Vt.	96	10	Bloomfield, Vt.	32	25	3.69	− 0.15	Franklin, N. H.	8.50	Patten, Me.	1.00
New Jersey	73.3	+ 1.3	4 stations	98	19†	Culvers Lake	42	26	3.15	− 1.87	Woodbine	6.53	Hightstown	1.04
New Mexico	70.1	− 1.0	Artesia	105	1	Elizabethtown	29	28	2.34	− 0.02	Anchor Mine	7.77	Cundiyo	0.25
New York	67.7	+ 0.7	Fayetteville	103	9	Gabriels	30	25	4.76	+ 1.02	Fayetteville	8.01	Setauket	1.56
North Carolina	76.8	+ 1.0	Greensboro	101	19	Banners Elk	45	31	4.65	− 1.31	Parkersburg	9.85	Rocky Mount	0.80
North Dakota	64.2	− 1.3	4 stations	101	3†	3 stations	26	26	2.18	− 0.14	Energy	5.06	McLeod	0.64
Ohio	72.8	+ 1.4	2 stations	101	19	Akron	41	26	5.08	+ 1.78	Waverly	9.26	Thurman	2.88
Oklahoma	79.6	− 1.0	Newkirk	110	1	Kenton	46	26	5.78	+ 2.76	Durant	12.52	Kenton	0.68
Oregon	66.7	+ 1.4	Blalock	109	13	Cliff	20	17	0.03	− 0.59	Gardners Ranch	0.70	64 stations	0.00
Pennsylvania	71.3	+ 1.3	Hyndman	100	19	West Bingham	34	4	3.85	− 0.32	Wilkes-Barre	7.20	Pocono Pines	0.64
Porto Rico	78.6	− 0.5	Dorado	101	7	2 stations	55	2†	5.76	− 2.01	Lares	14.03	Hacienda Isadora	0.50
South Carolina	79.0	+ 0.2	Allendale	101	28†	Heath Springs	56	1	5.88	− 0.44	Smiths Mills	13.70	Gaston Shoals	2.52
South Dakota	69.5	− 0.5	Murdo	109	7	Eureka	29	26	1.99	− 0.50	Wentworth	4.84	Harveys Ranch	0.25
Tennessee	77.0	+ 0.7	Clarksville	103	2	2 stations	45	15†	5.85	+ 2.20	Johnsonville	13.70	Chattanooga	2.84
Texas	81.0	− 1.7	Brownwood	110	1	3 stations	50	24†	6.37	+ 4.55	Abilene	15.70	Santa Gertrudes	0.00
Utah	70.5	0.0	Springdale	109	15	Scofield	27	23	0.41	− 0.54	Trout Creek	3.62	14 stations	0.00
Virginia	75.0	+ 1.2	Woodstock	102	19	Emory	46	1†	3.24	− 1.38	Speers Ferry	9.25	Danville	0.87
Washington	66.5	+ 0.9	Colfax	113	2	Newport	25	31	0.10	− 0.73	Quiniault	1.12	40 stations	0.00
West Virginia	71.8	+ 0.3	3 stations	100	20†	4 stations	40	16†	4.86	+ 1.24	Bens Run	9.29	Upper Tract	1.38
Wisconsin	67.1	+ 0.2	Osceola	100	8	Long Lake	31	24	4.13	+ 0.47	Minocqua	8.49	Racine	0.88
Wyoming	62.4	+ 0.1	Wheatland	109	8	Willow Creek Cabin	17	17	0.76	− 0.09	Burns	4.45	2 stations	0.00

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

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 such cases *the record is broken at the end of each 50 minutes*, the accumulated amounts being recorded on successive lines until the excessive rate ends.

At stations 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.—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 31 years (1873 to 1903) and are published in Weather Bureau Bulletin "R," Washington, 1908. 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. 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 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, August, 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.							**67.2**	**+ 0.1**										**84**	**3.26**	**− 0.6**										**6.2**		
Eastport	76	67	85	29.92	30.00	+0.04	59.8	+ 0.1	77	16	67	46	26	53	24	55	53	81	2.54	− 0.7	10	5,924	s.	38	e.	30	5	13	13	6.8	.....	.....
Greenville	1,070	6	.....	28.86	30.01	.....	61.9	.....	83	7	72	42	26	51	33	.....	.....	.....	2.90	.....	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Portland, Me.	103	82	117	29.90	30.02	+ .04	64.1	− 2.1	81	15	71	47	26	57	23	59	57	81	3.81	+ 0.2	17	5,364	sw.	27	w.	14	6	10	15	6.8	.....	.....
Concord	288	70	79	29.71	30.01	+ .03	66.7	+ 0.1	91	10	77	43	26	57	31	.....	.....	.....	5.91	+ 2.2	12	2,822	nw.	23	w.	14	5	16	10	5.8	.....	.....
Burlington	404	11	48	29.57	29.99	+ .02	66.0	− 0.1	94	10	76	40	26	56	34	.....	.....	.....	2.78	− 1.2	13	6,282	s.	33	s.	23	7	14	10	5.6	.....	.....
Northfield	876	12	60	29.08	30.02	+ .04	62.6	− 0.3	91	10	75	34	26	50	35	59	58	86	3.14	− 0.8	16	4,268	s.	24	sw.	23	4	18	9	6.4	.....	.....
Boston	125	115	188	29.88	30.01	+ .02	70.4	+ 1.5	90	10	78	55	25	63	26	65	62	81	3.20	− 0.8	11	6,031	sw.	22	nw.	22	7	10	14	6.3	.....	.....
Nantucket	12	14	90	30.01	30.02	+ .03	67.6	− 0.4	84	19	74	53	26	62	16	64	64	93	4.42	+ 1.4	11	9,702	sw.	41	sw.	17	4	19	8	5.8	.....	.....
Block Island	26	11	46	29.99	30.02	+ .03	67.8	− 0.9	84	19	73	57	25	63	16	65	64	89	3.71	+ 0.2	11	9,759	sw.	61	w.	17	8	8	15	6.4	.....	.....
Narragansett Pier	.....	9	.....	.....	.....	.....	68.5	0.0	85	24	75	52	27	62	20	.....	.....	.....	4.13	.....	13	.....	sw.	.....	.....	.....	17	4	10	.....	.....	.....
Providence	160	215	251	29.85	30.02	+ .03	70.2	− 0.8	90	9	78	52	27	62	24	65	62	81	2.02	− 2.0	11	6,974	sw.	48	nw.	21	8	11	12	6.0	.....	.....
Hartford	159	122	140	29.84	30.01	+ .02	71.2	+ 2.3	92	9	80	53	26	63	25	65	63	80	1.96	− 2.6	11	4,415	s.	24	sw.	21	7	13	11	6.2	.....	.....
New Haven	106	117	155	29.90	30.01	+ .02	71.7	+ 1.6	89	19	80	55	26	64	23	66	64	80	2.36	− 2.6	11	5,344	s.	29	sw.	11	7	14	10	5.6	.....	.....
Middle Atlantic States.							**74.0**	**+ 1.4**										**77**	**3.80**	**− 0.6**										**5.5**		
Albany	97	102	115	29.89	29.99	+ .01	71.3	+ 1.8	93	8	80	51	25	62	30	64	61	74	5.30	+ 1.3	15	4,388	s.	28	nw.	11	11	9	11	5.3	.....	.....
Binghamton	871	10	69	29.09	30.00	+ .01	68.7	+ 1.2	93	9	79	44	4	58	34	.....	.....	.....	5.50	+ 2.2	14	2,720	nw.	26	nw.	20	6	15	10	5.9	.....	.....
New York	314	414	454	29.68	30.01	+ .01	73.7	+ 1.5	95	19	81	59	1	66	22	67	64	77	2.18	− 2.4	9	8,925	sw.	51	nw.	21	2	15	14	6.9	.....	.....
Harrisburg	374	94	104	29.63	30.02	+ .01	73.6	+ 1.5	93	19	82	60	3	65	26	66	62	71	4.43	+ 0.2	9	3,394	s.	40	w.	20	5	16	10	6.3	.....	.....
Philadelphia	117	123	190	29.90	30.02	+ .02	76.2	+ 2.4	94	19	84	61	1	68	23	69	66	75	2.31	− 2.3	11	6,215	sw.	31	sw.	21	6	14	11	6.3	.....	.....
Reading	325	81	98	29.68	30.02	.....	73.9	.....	94	9	83	59	14	65	27	67	63	74	3.13	− 1.4	9	3,690	se.	23	nw.	21	4	4	13	6.7	.....	.....
Scranton	805	111	119	29.18	30.03	+ .03	70.8	+ 1.5	92	9	81	50	4	61	28	65	62	78	2.56	− 1.7	12	3,817	s.	34	sw.	10	5	19	7	5.7	.....	.....
Atlantic City	52	37	48	29.97	30.02	+ .02	73.6	+ 1.0	92	24	79	61	1	68	22	69	67	83	4.72	+ 0.4	12	5,209	sw.	26	w.	3	7	16	8	5.3	.....	.....
Cape May	18	13	49	30.03	30.05	+ .05	74.1	+ 0.7	94	24	80	58	26	68	24	.....	.....	.....	4.59	+ 0.3	11	5,100	s.	24	s.	17	12	14	5	4.5	.....	.....
Trenton	190	159	183	29.81	30.01	.....	74.4	.....	95	19	84	58	27	65	26	67	64	77	1.63	− 3.7	7	6,444	sw.	38	nw.	2	7	14	10	5.9	.....	.....
Baltimore	123	100	113	29.90	30.02	+ .01	77.0	+ 2.3	97	19	86	57	25	68	26	68	65	73	6.74	+ 2.5	12	4,361	s.	21	n.	2	8	14	9	5.3	.....	.....
Washington	112	62	85	29.90	30.02	+ .01	76.4	+ 1.9	97	19	86	58	26	66	32	69	66	77	6.00	+ 1.6	10	3,542	s.	32	nw.	21	10	13	8	5.1	.....	.....
Lynchburg	681	153	188	29.30	30.02	.00	76.3	+ 1.5	98	19	87	58	1	66	31	68	65	74	2.60	− 1.6	10	4,005	w.	38	nw.	12	11	16	4	5.0	.....	.....
Mount Weather	1,725	10	75	28.24	30.01	.00	71.2	+ 1.8	91	19	78	52	26	64	20	63	59	72	3.55	− 0.1	11	8,202	nw.	34	nw.	29	2	15	14	7.1	.....	.....
Norfolk	91	170	205	29.95	30.05	+ .05	78.2	+ 1.5	95	24	86	61	1	71	22	72	70	83	1.10	− 4.9	9	7,855	sw.	36	sw.	29	9	13	9	5.4	.....	.....
Richmond	144	11	52	29.89	30.04	+ .03	77.6	+ 0.1	101	24	88	57	1	68	28	70	67	78	2.42	− 2.0	12	4,942	s.	35	sw.	10	17	9	5	4.2	.....	.....
Wytheville	2,293	40	47	27.73	30.04	+ .03	71.4	+ 0.9	91	19	82	49	1	60	35	65	63	84	5.83	+ 1.3	12	2,565	w.	18	w.	21	16	13	2	3.3	.....	.....
South Atlantic States.							**79.0**	**+ 1.2**										**83**	**4.77**	**− 1.4**										**6.2**		
Asheville	2,255	70	84	27.78	30.07	+ .05	72.2	+ 1.7	88	20	82	57	6	62	28	65	63	84	5.48	+ 0.7	16	3,743	s.	33	s.	10	4	20	7	5.6	.....	.....
Charlotte	773	68	76	29.24	30.06	+ .04	77.7	+ 1.1	93	19	86	65	2	69	23	70	68	82	2.25	− 3.3	12	4,063	sw.	23	w.	26	3	17	11	6.5	.....	.....
Hatteras	11	12	50	30.05	30.06	+ .06	79.0	+ 0.8	87	22	84	65	1	74	17	75	73	86	2.66	− 3.2	14	7,762	sw.	46	nw.	25	10	15	6	5.0	.....	.....
Manteo	12	12	46	.....	.....	.....	78.2	.....	92	24	85	60	1	71	.....	.....	.....	.....	5.12	.....	11	.....	sw.	.....	.....	.....	13	7	6	.....	.....	.....
Raleigh	376	103	110	29.65	30.04	+ .03	78.2	+ 1.4	94	24	87	62	1	70	24	70	68	81	3.48	− 2.4	11	4,508	sw.	29	w.	11	5	15	11	6.2	.....	.....
Wilmington	78	81	91	29.99	30.07	+ .07	79.0	+ 1.4	92	23	86	65	1	72	21	74	72	86	7.67	+ 1.2	20	4,383	sw.	24	w.	5	2	24	5	6.1	.....	.....
Charleston	48	11	92	30.03	30.08	+ .07	81.3	+ 1.0	95	27	88	71	5	75	17	75	73	80	4.43	− 2.5	12	5,739	s.	26	nw.	2	4	13	14	6.6	.....	.....
Columbia, S. C.	351	41	57	29.69	30.06	+ .05	79.4	− 0.1	94	26	88	67	1	71	22	72	70	84	3.44	− 3.3	13	4,443	s.	28	sw.	29	3	18	10	6.4	.....	.....
Augusta	180	89	97	29.88	30.07	+ .06	79.7	+ 0.8	94	27	88	68	14	71	24	73	71	83	4.93	− 0.6	14	3,617	s.	40	sw.	2	0	15	16	6.9	.....	.....
Savannah	65	150	194	30.01	30.08	+ .07	81.0	+ 1.0	94	26	89	69	21	73	24	74	72	83	4.91	− 2.6	19	6,433	sw.	39	sw.	29	1	18	12	7.1	.....	.....
Jacksonville	43	96	129	30.04	30.09	+ .08	82.0	+ 1.9	95	14	90	68	17	74	26	74	72	81	8.47	+ 2.3	16	5,381	s.	50	sw.	14	9	16	6	5.1	.....	.....
Florida Peninsula.							**82.7**	**+ 0.7**										**74**	**3.57**	**− 3.4**										**4.8**		
Key West	22	10	64	30.02	30.04	+ .06	84.2	+ 0.4	91	4	90	72	11	79	17	76	73	71	1.29	− 3.4	14	7,422	se.	22	se.	25	15	16	0	3.8	.....	.....
Miami	25	37	72	30.04	30.07	.....	81.6	− 0.4	89	4	86	71	8	77	15	76	73	74	3.77	− 3.8	17	6,594	e.	27	se.	8	2	21	8	6.2	.....	.....
Sand Key	23	39	72	29.99	30.02	+ .04	82.2	.....	88	4	85	70	11	80	15	76	74	73	1.10	.....	10	10,462	e.	34	se.	13	20	11	0	3.4	.....	.....
Tampa	35	79	96	30.04	30.07	+ .07	82.2	+ 2.2	94	25	91	70	11	74	22	74	72	80	5.64	− 3.0	17	4,084	ne.	33	se.	13	4	21	6	5.6	.....	.....
Titusville	44	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
East Gulf States.							**79.4**	**+ 0.2**										**84**	**5.98**	**+ 1.1**										**6.2**		
Atlanta	1,174	190	216	28.87	30.09	+ .08	76.8	+ 0.7	91	22	85	64	6	68	22	69	67	80	5.04	+ 0.6	12	5,433	w.	35	nw.	14	4	10	17	6.5	.....	.....
Macon	370	78	87	29.67	30.06	+ .05	79.2	+ 1.0	94	13	88	67	31	71	24	72	71	81	4.19	0.0	16	3,268	s.	30	s.	9	5	14	12	6.7	.....	.....
Thomasville	273	8	57	29.78	30.07	+ .07	81.0	0.0	95	13	91	68	16	71	25	73	72	87	3.96	− 1.1	15	2,678	sw.	23	nw.	15	7	13	11	5.8	.....	.....
Pensacola	56	140	182	30.00	30.06	+ .08	80.4	− 0.6	89	31	86	71	4	75	16	75	73	81	8.23	+ 1.1	16	6,480	s.	36	se.	8	5	11	15	6.6	.....	.....
Anniston	741	9	57	29.30	30.08	+ .09	77.2	+ 0.8	92	19	86	63	31	68	26	.....	.....	.....	3.68	− 0.8	14	2,619	s.	20	sw.	28	6	20	5	5.7	.....	.....
Birmingham	700	11	48	29.32	30.08	+ .09	78.0	− 1.8	91	19	87	65	4	69	21	71	70	84	6.38	+ 1.9	14	3,351	s.	25	s.	28	8	16	7	5.5	.....	.....
Mobile	57	125	161	30.00	30.06	+ .08	80.6	+ 0.9	92	31	87	70	19	74	19	74	73	82	9.78	+ 3.0	16	4,837	sw.	34	nw.	15	9	13	9	5.5	.....	.....
Montgomery	223	100	112	29.82	30.06	+ .07	79.8	+ 0.1	92	19	88	68	6	71	22	72	71	84	5.35	+ 1.1	14	3,653	s.	27	w.	28	4	19	8	5.9	.....	.....
Meridian	375	85	93	29.66	30.04	+ .06	79.4	+ 0.9	92	11	88	68	5	70	22	72	71	84	5.60	+ 2.0	17	2,800	sw.	28	se.	19	1	16	14	7.2	.....	.....
Vicksburg	247	62	74	29.78	30.05	+ .07	79.4	− 0.2	92	5	87	69	19	72	20	73	72	88	5.13	+ 1.6	15	3,763	s.	28	w.	27	5	15	11	6.3	.....	.....
New Orleans	51	90	121	29.99	30.04	+ .06	81.8	+ 0.8	93	2	89	68	16	74	22	75	74	84	8.47	+ 2.9	22	3,726	se.	36	s.	10	1	22	8	6.6	.....	.....
West Gulf States.							**80.6**	**− 0.4**										**80**	**5.94**	**+ 3.0**										**6.1**		
Shreveport	249	77	93	29.75	30.01	+ .04	80.5	− 0.9	94	12	89	69	15	72	22	73	71	83	4.00	+ 1.8	16	4,416	s.	30	s.	11	3	8	20	7.1	.....	.....
Bentonville	1,303	11	44	28.65	29.98	+ .01	76.4	− 0.1	93	6	86	58	20	67	27	.....	.....	.....	4.20	+ 0.2	9	3,255	s.	20	nw.	19	15	10	6	4.4	.....	.....
Fort Smith	457	79	94	29.50	29.97	.00	79.4	0.0	98	21	80	62	29	70	27	71	68	76	5.21	+ 1.0	15	4,452	e.	41	w.	10	7	9	15	6.1	.....	.....
Little Rock	357	139	147	29.64	30.01	+ .03	78.2	− 1.0	92	6	86	65	29	71	21	72	69	80	4.77	+ 1.1	11	5,063	s.	25	s.	9	6	9	16	6.8	.....	.....
Brownsville	57	3	40	.....	.....	.....	85.1	.....	97	31	94	72	16	76	23	.....	.....	.....	0.68	.....	3	.....	se.	.....	.....	.....	.....	.....	.....	.....	.....	.....
Corpus Christi	20	69	77	29.95	29.97	+ .04	83.0	+ 0.9	95	4	88	74	9	79	18	78	77	86	2.96	+ 0.7	8	11,803	se.	38	se.	10	7	18	6	5.2	.....	.....
Dallas	512	109	117	29.44	29.98	.....	80.8	.....	101	1	89	66	28	73	21	.....	.....	.....	6.30	.....	16	6,209	se.	38	nw.	28	3	15	13	7.0	.....	.....
Fort Worth	670	106	114	29.24	29.94	.00	80.0	− 2.9	100	1	88	65	28	72	26	73	70	78	9.02	+ 7.2	14	6,438	s.	34	w.	25	5	10	16	6.7	.....	.....
Galveston	54	106	114	29.96	30.02	+ .06	82.2	− 0.4	88	25	86	69	8	78	16	76	74	79	8.17	+ 3.2	14	7,873	s.	31	s.	8	17	9	5	4.5	.....	.....
Houston	138	111	121	29.85	29.99	.....	82.2	− 0.7	97	3	90	69	7	74	24	.....	.....	.....	9.24	.....	18	5,006	se.	36	se.	5	1	18	12	6.7	.....	.....
Palestine	510	64	72	29.46	29.98	+ .01	80.8	+ 0.3	95	2	89	67	28	73	24	74	72	82	4.09	+ 1.9	12	4,928	s.	30	se.	21	3	11	17	7.1	.....	.....
San Antonio	701	80	91	29.24	29.96	+ .03	82.6	+ 0.6	102	4	92	68	7	74	31	74	71	77	7.80	+ 5.1	9	5,683	sw.	32	ne.	4	3	24	4	5.2	.....	.....
Taylor	582	55	63	29.39	30.00	+ .05	81.3	− 0.4	99	4	90	67	14	73	24	.....	.....	.....	9.13	+ 6.7	13	5,877	s.	33	ne.	21	2	21	8	6.4	.....	.....

TABLE I.—*Climatological data for United States Weather Bureau stations, August, 1914*—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.							**75.5**	**+ 0.7**										**73**	**5.19**	**+ 1.8**										**5.5**		
Chattanooga	762	189	213	29.27	30.07	+ .07	76.9	+ 0.4	94	19	86	61	17	68	28	69	67	78	2.84	− 0.9	16	4,350	w.	36	nw.	2	6	14	11	5.9	.....	.....
Knoxville	996	93	100	29.02	30.05	+ .04	76.3	+ 1.6	92	20	86	59	1	67	28	69	67	80	5.69	+ 1.8	13	2,774	sw.	19	n.	2	9	7	15	6.0	.....	.....
Memphis	399	76	97	29.62	30.04	+ .06	78.7	− 0.5	93	6	86	66	29	72	21	73	71	81	7.31	+ 4.1	12	4,982	sw.	42	sw.	28	9	7	15	6.0	.....	.....
Nashville	546	168	191	29.47	30.05	+ .05	77.6	− 0.2	92	2	86	60	30	69	26	70	67	77	8.64	+ 5.2	13	4,509	se.	37	sw.	25	9	8	14	5.9	.....	.....
Lexington	989	75	102	28.98	30.03	+ .02	74.8	+ 0.2	91	19	84	60	30	66	28	.....	.....	.....	4.69	+ 1.1	12	5,541	s.	30	sw.	10	12	10	9	5.0	.....	.....
Louisville	525	219	255	29.46	30.03	+ .03	77.3	+ 0.8	95	6	86	62	16	68	27	68	64	70	6.97	+ 3.5	14	6,767	s.	40	nw.	24	9	8	14	5.9	.....	.....
Evansville	431	72	82	29.55	30.01	+ .02	78.0	+ 1.0	96	6	87	63	29	70	27	69	65	70	3.59	+ 0.4	11	4,695	s.	28	sw.	28	8	10	13	5.8	.....	.....
Indianapolis	822	154	164	29.14	30.02	+ .02	74.6	+ 1.0	94	7	84	57	29	66	27	65	61	68	5.58	+ 2.2	15	6,126	sw.	32	sw.	10	8	15	8	5.3	.....	.....
Terre Haute	575	96	129	29.38	29.99	.....	76.4	.....	96	7	86	59	29	66	27	66	62	69	6.71	.....	12	5,860	s.	32	w.	19	6	16	9	5.9	.....	.....
Cincinnati	628	152	160	29.35	30.01	.00	76.7	+ 1.2	95	19	86	61	16	68	30	67	62	66	4.28	+ 1.0	12	3,711	sw.	23	se.	7	10	9	12	5.6	.....	.....
Columbus	824	173	222	29.16	30.02	+ .01	74.0	+ 1.0	96	19	84	57	4	64	29	65	61	69	4.78	+ 1.6	10	6,464	sw.	27	sw.	10	14	10	7	4.2	.....	.....
Dayton	899	181	216	29.06	29.99	.....	73.8	+ 0.2	93	23	84	57	26	64	32	65	60	68	3.74	+ 0.7	9	6,406	sw.	34	nw.	7	12	12	7	4.9	.....	.....
Pittsburgh	842	353	410	29.13	30.01	.00	73.2	+ 0.7	93	8	82	56	13	64	28	64	59	65	4.52	+ 1.3	10	6,721	sw.	39	nw.	2	6	16	9	5.9	.....	.....
Elkins	1,940	41	50	28.05	30.05	+ .04	69.6	+ 1.2	90	20	82	47	1	57	35	62	61	85	4.96	+ 1.3	13	1,809	w.	13	w.	23	10	14	7	5.4	.....	.....
Parkersburg	638	77	84	29.39	30.04	+ .02	74.9	+ 1.6	97	20	86	57	16	64	35	66	62	72	5.05	+ 1.5	12	3,257	se.	20	nw.	29	11	10	10	5.4	.....	.....
Lower Lake Region.							**70.1**	**+ 0.4**										**72**	**4.66**	**+ 1.7**										**5.0**		
Buffalo	767	247	280	29.18	30.00	+ .01	68.8	0.0	95	9	76	50	25	62	27	63	59	76	4.95	+ 2.0	14	9,616	sw.	54	w.	10	9	15	7	5.4	.....	.....
Canton	448	10	61	29.52	29.99	.....	65.6	− 2.2	91	9	77	35	26	54	41	.....	.....	.....	4.23	+ 1.5	13	5,919	w.	34	sw.	23	14	12	5	3.8	.....	.....
Oswego	335	76	91	29.62	29.98	− .01	67.8	− 1.0	90	7	75	50	26	60	25	62	58	74	3.21	+ 0.5	11	5,431	s.	26	ne.	11	12	9	10	4.9	.....	.....
Rochester	523	97	113	29.45	30.01	+ .02	69.1	+ 0.8	92	7	78	49	4	60	30	61	57	70	5.83	+ 2.9	13	4,601	sw.	24	sw.	18	11	11	9	5.4	.....	.....
Syracuse	597	97	113	29.38	30.01	+ .02	68.4	− 0.2	91	9	77	48	26	60	29	63	59	75	5.23	+ 1.9	13	6,088	s.	34	s.	14	11	9	11	5.2	.....	.....
Erie	714	92	102	29.24	29.99	− .02	70.1	+ 0.2	90	23	77	53	26	63	25	64	60	71	5.98	+ 2.7	15	6,303	s.	28	nw.	23	6	17	8	5.5	.....	.....
Cleveland	762	190	201	29.20	30.01	.00	71.8	+ 1.4	93	23	79	56	26	65	29	63	59	68	3.93	+ 0.8	10	7,920	se.	45	w.	23	8	14	9	5.3	.....	.....
Sandusky	629	62	103	29.33	30.00	− .01	72.9	+ 1.4	96	23	81	58	15	65	31	65	61	71	4.73	+ 1.4	12	7,569	sw.	52	nw.	23	7	16	8	5.7	.....	.....
Toledo	628	208	246	29.34	30.01	+ .01	72.2	+ 1.3	94	23	82	50	25	63	30	64	61	73	4.69	+ 2.0	10	9,331	sw.	55	nw.	23	15	13	3	3.8	.....	.....
Fort Wayne	856	113	124	29.10	30.01	.....	72.5	+ 1.4	95	19	83	52	26	62	29	64	59	69	2.62	.....	10	6,162	sw.	37	sw.	10	9	16	6	4.8	.....	.....
Detroit	730	218	245	29.23	30.01	.00	71.4	+ 1.5	91	23	81	49	25	62	25	63	59	72	3.84	+ 1.1	12	7,429	sw.	46	nw.	13	11	14	6	4.9	.....	.....
Upper Lake Region.							**66.7**	**+ 0.4**										**76**	**3.77**	**+ 0.8**										**5.1**		
Alpena	609	13	92	29.34	30.00	.00	64.6	+ 0.8	87	9	73	43	25	56	27	60	57	80	2.71	− 0.6	12	6,874	se.	49	se.	9	4	24	3	5.3	.....	.....
Escanaba	612	54	60	29.32	30.00	+ .01	63.4	− 1.1	84	6	71	43	24	56	26	59	57	80	4.17	+ 0.6	19	6,085	s.	39	ne.	10	7	14	10	5.8	.....	.....
Grand Haven	632	54	92	29.31	29.98	− .01	68.0	+ 0.2	91	8	76	49	25	60	32	62	59	75	3.73	+ 1.2	10	6,851	s.	32	s.	22	15	14	2	3.7	.....	.....
Grand Rapids	707	70	87	29.24	29.99	− .01	71.0	+ 1.0	93	9	81	48	25	61	30	63	59	71	3.49	+ 0.9	10	3,777	w.	20	w.	23	9	14	8	4.6	.....	.....
Houghton	684	62	72	29.24	29.96	− .01	62.8	− 0.5	90	9	72	42	24	54	27	.....	.....	.....	4.93	+ 2.1	14	5,161	se.	33	nw.	6	9	15	7	5.2	.....	.....
Lansing	878	11	62	29.07	30.00	.....	68.9	+ 0.3	93	8	81	41	25	57	35	62	59	79	3.33	+ 0.7	12	3,222	sw.	20	e.	9	12	9	10	4.9	.....	.....
Ludington	637	60	66	29.29	29.98	.....	66.2	.....	86	8	74	45	25	59	26	61	58	76	2.64	.....	8	6,807	s.	35	s.	23	12	12	7	4.7	.....	.....
Marquette	734	77	111	29.20	30.00	+ .02	63.0	− 0.5	94	9	71	42	28	55	28	57	54	73	2.12	− 0.7	14	6,208	w.	37	s.	8	10	9	12	6.2	.....	.....
Port Huron	638	70	120	29.31	30.00	.00	68.4	+ 1.1	90	6	77	47	4	60	32	62	59	77	4.21	+ 1.6	12	6,774	ne.	27	nw.	21	11	19	1	4.2	.....	.....
Saginaw	641	48	82	29.31	30.00	.....	68.7	.....	91	8	80	45	25	58	30	63	60	77	7.15	+ 4.3	11	5,333	s.	34	nw.	18	10	14	7	4.9	.....	.....
Sault Ste. Marie	614	11	61	29.31	30.00	+ .01	62.7	+ 2.1	93	9	72	42	24	53	29	57	55	80	2.40	− 0.7	11	5,052	e.	25	nw.	21	6	12	13	6.4	.....	.....
Chicago	823	140	310	29.13	30.00	.00	74.2	+ 3.0	96	18	81	61	14	68	24	66	62	69	3.76	+ 0.9	10	8,301	ne.	34	sw.	16	14	13	4	4.0	.....	.....
Green Bay	617	109	144	29.31	29.96	− .03	67.6	+ 0.6	93	8	77	46	24	58	26	61	57	74	5.26	+ 2.2	10	6,827	s.	36	sw.	23	5	11	15	6.5	.....	.....
Milwaukee	681	119	133	29.26	29.99	− .01	70.3	+ 1.6	89	9	78	53	27	63	26	63	59	72	1.34	− 1.5	10	6,706	ne.	49	sw.	16	11	17	3	4.7	.....	.....
Duluth	1,133	11	47	28.76	29.96	− .01	62.0	− 2.9	90	8	70	42	27	54	32	58	55	82	4.20	+ 0.7	11	8,641	ne.	35	w.	29	10	13	8	5.1	.....	.....
North Dakota.							**64.2**	**− 2.6**										**70**	**2.55**	**+ 0.8**										**5.0**		
Moorhead	918	10	208	28.96	29.96	.00	65.0	− 0.9	93	15	77	39	26	53	35	58	55	76	2.89	− 0.2	12	4,860	se.	34	se.	7	18	8	5	3.5	.....	.....
Bismarck	1,674	8	57	28.23	29.99	+ .05	64.5	− 3.6	97	15	77	33	26	52	44	58	54	74	2.02	0.0	13	5,598	se.	37	w.	4	10	14	7	5.3	.....	.....
Devils Lake	1,482	11	44	28.38	29.94	.00	63.2	− 1.9	94	4	76	35	26	51	41	55	49	66	2.06	− 0.7	8	6,971	s.	38	w.	5	9	10	12	5.8	.....	.....
Williston	1,872	40	47	27.99	29.94	+ .01	64.1	− 3.8	99	3	78	33	26	51	47	54	48	63	3.22	+ 1.9	7	4,290	se.	34	se.	24	6	16	9	5.6	.....	.....
Upper Mississippi Valley.							**74.5**	**+ 1.6**										**67**	**3.66**	**+ 0.4**										**4.9**		
Minneapolis	918	10	208	28.97	29.94	.....	69.2	.....	96	8	79	47	26	60	30	.....	.....	.....	8.70	+ 5.0	10	7,388	ne.	45	nw.	22	8	10	13	5.6	.....	.....
St. Paul	837	201	236	29.05	29.95	− .02	68.8	− 0.7	95	8	79	47	26	59	32	.....	.....	.....	4.48	+ 1.0	13	7,715	nw.	44	nw.	9	9	13	9	5.7	.....	.....
La Crosse	714	11	48	29.21	29.96	− .02	70.9	+ 0.9	95	8	81	50	15	60	33	.....	.....	.....	2.92	− 0.5	10	3,092	se.	26	w.	22	10	9	12	5.5	.....	.....
Madison	974	70	78	28.96	29.99	.00	70.3	+ 0.7	93	8	80	52	24	61	28	62	51	67	3.60	+ 0.4	7	5,693	sw.	38	n.	18	11	12	8	5.3	.....	.....
Charles City	1,015	10	49	28.91	29.96	− .01	70.4	− 0.3	96	8	82	46	14	59	37	64	61	76	2.55	− 0.9	9	3,860	s.	27	ne.	16	9	19	3	4.7	.....	.....
Davenport	606	71	79	29.32	29.98	.00	75.0	+ 2.0	96	8	86	53	25	64	31	65	59	63	2.01	− 1.6	7	4,689	e.	22	nw.	23	11	15	5	4.5	.....	.....
Des Moines	861	84	97	29.05	29.93	− .04	75.9	+ 2.9	98	17	87	52	14	65	36	65	59	61	1.77	− 1.8	7	5,647	sw.	35	nw	31	10	16	5	4.6	.....	.....
Dubuque	698	81	96	29.25	29.99	+ .01	72.8	+ 0.8	96	8	83	49	29	63	32	64	59	66	4.01	+ 1.0	6	4,036	s.	31	nw.	16	8	13	10	5.3	.....	.....
Keokuk	614	64	78	29.32	29.98	.00	77.5	+ 2.9	97	18	88	59	28	67	31	66	61	62	2.61	− 0.6	8	4,898	ne.	25	s.	22	12	16	3	3.9	.....	.....
Cairo	356	87	93	29.61	29.98	− .01	78.6	+ 1.6	97	2	87	64	30	70	28	71	68	76	2.52	− 0.4	10	4,810	s.	38	n.	13	10	10	11	5.6	.....	.....
Peoria	609	11	45	29.34	30.00	+ .01	75.4	+ 2.9	98	23	88	53	4	63	39	65	61	69	2.40	− 0.5	7	4,052	s.	23	sw.	17	12	15	4	4.3	.....	.....
Springfield, Ill	644	10	91	29.31	29.98	− .01	77.2	+ 3.2	97	18	88	58	4	66	32	66	62	65	3.32	+ 0.5	9	4,950	s.	30	nw.	13	11	13	7	5.0	.....	.....
Hannibal	534	74	109	29.42	29.98	.00	77.4	+ 2.4	97	18	89	56	15	66	35	.....	.....	.....	4.99	+ 1.6	11	5,843	sw.	31	w.	19	12	13	6	4.5	.....	.....
St. Louis	567	265	303	29.38	29.98	− .01	78.9	+ 1.7	98	6	88	63	29	70	25	68	62	64	5.42	+ 2.8	10	7,807	s.	42	s.	7	13	13	5	4.5	.....	.....
Missouri Valley.							**75.2**	**+ 1.4**										**65**	**2.75**	**− 0.6**										**4.2**		
Columbia, Mo.	781	11	84	29.16	29.97	.00	78.2	+ 3.5	97	8	89	60	15	67	33	.....	.....	.....	7.35	+ 4.3	12	4,876	s.	27	w.	13	11	11	9	5.3	.....	.....
Kansas City	963	161	181	28.95	29.95	− .02	78.0	+ 2.2	98	7	87	58	28	69	26	67	62	64	3.12	− 1.6	7	7,457	s.	33	n.	28	17	10	4	3.6	.....	.....
St. Joseph	967	11	49	28.94	29.94	.....	79.0	.....	99	7	90	58	28	68	30	66	61	62	2.25	.....	7	5,133	ne.	22	sw.	31	15	14	2	3.7	.....	.....
Springfield, Mo.	1,324	98	104	28.61	29.99	+ .02	76.4	+ 1.6	92	6	85	60	28	68	24	68	64	74	4.70	+ 0.4	10	5,929	s.	37	nw..	19	11	15	5	4.2	.....	.....
Iola	984	11	50	28.93	29.95	− .01	78.4	+ 2.1	99	7	90	58	11	66	34	.....	.....	.....	2.74	− 0.7	7	4,440	s.	22	nw.	21	13	14	4	3.7	.....	.....
Topeka	983	85	101	.....	.....	.....	77.6	+ 1.6	98	7	89	60	28	67	31	.....	.....	.....	2.04	− 2.2	9	6,537	s.	32	w.	21	15	15	1	3.5	.....	.....
Lincoln	1,189	11	84	28.69	29.92	− .03	76.6	+ 2.3	100	17	88	55	27	65	34	66	61	67	1.47	− 2.2	8	6,703	s.	41	nw.	9	15	15	1	3.7	.....	.....
Omaha	1,105	115	121	28.79	29.94	− .02	77.0	+ 2.6	100	17	88	55	26	66	29	65	60	64	2.24	− 1.4	9	5,254	n.	25	nw.	23	14	15	2	4.1	.....	.....
Valentine	2,598	47	54	27.28	29.95	+ .01	71.0	− 0.3	101	7	83	46	10	59	40	60	54	63	2.50	− 0.3	10	6,510	e.	40	w.	7	17	11	3	3.7	.....	.....
Sioux City	1,135	94	164	28.75	29.93	− .02	74.0	+ 1.4	100	17	85	50	28	63	31	64	60	68	1.74	− 1.3	11	7,851	s.	52	nw.	4	15	11	5	4.2	.....	.....
Huron	1,306	59	74	28.58	29.96	+ .01	69.2	+ 0.1	98	15	82	39	26	57	40	60	55	68	1.29	− 1.4	8	6,889	se.	38	s.	28	9	17	5	4.7	.....	.....
Pierre	1,572	70	75	28.32	29.96	+ .02	71.9	− 1.2	103	7	84	47	25	60	37	60	52	57	2.19	+ 0.2	8	6,487	se.	37	e.	17	14	10	7	4.5	.....	.....
Yankton	1,233	49	57	28.63	29.92	− .03	73.5	+ 0.7	101	17	85	49	26	62	41	.....	.....	.....	1.58	− 1.5	12	4,629	e.	29	sw.	8	9	15	7	5.5	.....	.....

TABLE I.—*Climatological data for United States Weather Bureau stations, August, 1914*—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.							**66.2**	**− 0.6**										**54**	**1.54**	**+ 0.3**										**4.3**		
Havre	2,505	11	44	27.35	29.94	+ .03	64.4	− 2.5	99	3	78	35	25	50	44	54	47	61	2.43	+ 1.2	8	4,512	sw.	46	nw.	30	12	13	6	4.8	.....	.....
Helena	4,110	87	114	25.84	29.95	+ .01	65.6	− 0.5	95	2	80	39	19	52	39	51	39	45	0.21	− 0.5	3	6,312	s.	30	sw.	6	14	14	3	4.0	.....	.....
Kalispell	2,962	11	34	26.93	29.94	+ .01	63.1	+ 0.2	94	2	80	35	9	47	44	50	41	53	1.31	+ 0.4	2	3,071	w.	26	sw.	4	15	13	3	4.0	.....	.....
Miles City	2,371	26	48	27.47	29.96	+ .03	68.9	− 2.6	101	3	84	38	25	54	46	56	50	60	2.51	+ 1.5	9	3,634	n.	34	n.	17	13	14	4	4.2	.....	.....
Rapid City	3,259	50	58	26.62	29.97	+ .04	68.3	− 0.5	99	7	81	41	26	56	36	56	46	51	1.95	− 0.2	6	5,627	n.	39	w.	21	12	14	5	4.5	.....	.....
Cheyenne	6,088	84	101	24.11	29.95	+ .03	65.4	− 0.4	89	16	78	45	11	53	38	52	44	56	1.67	+ 0.2	12	7,753	nw.	40	sw.	16	4	19	8	5.8	.....	.....
Lander	5,372	60	68	24.71	29.95	+ .03	66.4	+ 0.7	94	6	83	39	29	50	44	51	39	46	0.15	− 0.4	3	4,286	sw.	36	sw.	6	14	14	3	4.0	.....	.....
Sheridan	3,790	10	47	26.14	29.98	.....	65.1	.....	97	7	82	38	27	48	49	52	43	56	0.65	.....	5	3,895	nw.	36	nw.	31	12	14	5	4.2	.....	.....
Yellowstone Park	6,200	11	48	23.97	29.96	+ .03	59.4	− 1.5	85	6	75	34	25	44	41	46	35	48	0.20	− 0.8	4	5,387	nw.	33	s.	27	17	13	1	3.4	.....	.....
North Platte	2,821	11	51	27.09	29.96	+ .02	74.0	+ 1.8	105	16	88	48	10	60	47	62	56	64	3.45	+ 1.0	12	4,597	s.	25	w.	18	17	11	3	3.9	.....	.....
Middle Slope.							**76.4**	**+ 1.1**										**63**	**2.40**	**0.0**										**4.2**		
Denver	5,291	129	172	24.81	29.97	+ .05	71.0	+ 0.6	96	16	84	51	26	57	37	56	48	56	2.43	+ 1.1	15	5,704	sw.	43	n.	1	12	17	2	4.2	.....	.....
Pueblo	4,685	80	86	25.35	29.95	+ .04	72.6	+ 0.5	98	17	88	50	30	58	41	57	50	57	2.18	+ 0.6	10	3,874	nw.	40	w.	26	17	11	3	3.8	.....	.....
Concordia	1,398	42	50	28.50	29.93	− .02	79.3	+ 2.8	102	17	92	58	11	67	32	66	60	60	2.11	− 0.7	5	4,796	s.	24	w.	9	9	19	3	4.8	.....	.....
Dodge	2,509	11	51	27.42	29.96	+ .03	77.1	+ 0.6	98	20	90	58	28	65	32	65	60	66	1.23	− 1.4	6	6,978	s.	35	nw.	4	16	13	2	3.5	.....	.....
Wichita	1,358	139	158	28.52	29.92	− .03	78.6	+ 1.1	98	20	89	60	28	68	28	67	62	65	3.68	+ 0.6	10	8,497	s.	36	se.	5	18	9	4	3.5	.....	.....
Oklahoma	1,214	10	47	28.70	29.94	.00	79.6	+ 1.1	101	2	90	62	29	69	27	70	66	73	2.76	− 0.4	7	8,130	s.	36	n.	27	7	18	6	5.5	.....	.....
Southern Slope.							**78.3**	**− 0.8**										**68**	**5.93**	**+ 3.8**										**4.6**		
Abilene	1,738	10	52	28.18	29.95	+ .03	78.0	− 3.2	97	2	86	66	16	70	25	70	68	77	15.70	+13.7	16	5,826	s.	24	nw.	23	8	9	14	6.1	.....	.....
Amarillo	3,676	10	49	26.30	29.95	+ .03	75.6	+ 1.0	94	31	88	57	28	63	33	64	60	68	2.97	+ 0.2	7	6,559	s.	31	sw.	31	19	11	1	3.5	.....	.....
Del Rio	944	64	71	28.94	29.90	.00	82.8	− 1.2	99	1	92	67	14	74	24	.....	.....	.....	3.71	+ 1.2	6	6,601	e.	42	ne.	6	9	20	2	4.7	.....	.....
Roswell	3,566	75	85	26.39	29.92	+ .04	76.8	+ 0.2	97	1	90	58	15	64	34	63	57	58	1.33	− 0.1	7	4,964	s.	40	ne.	5	12	17	2	4.0	.....	.....
Southern Plateau.							**77.4**	**0.0**										**47**	**0.93**	**− 0.2**									3	**2.7**		
El Paso	3,762	110	133	26.19	29.86	+ .02	78.5	− 0.1	98	17	90	63	15	67	33	63	56	56	1.85	+ 0.1	11	6,597	e.	55	ne.	10	14	16		3.8	.....	.....
Santa Fe	7,013	57	62	23.38	29.91	+ .02	66.8	− 0.2	86	17	78	49	27	56	29	53	46	55	2.51	+ 0.2	13	4,885	n.	30	s.	21	10	18	1	4.6	.....	.....
Flagstaff	6,908	8	57	.....	.....	.....	63.1	+ 0.3	85	16	78	39	31	48	40	.....	.....	.....	2.30	.....	9	.....	nw.	32	w.	28	10	19	3	.....	.....	.....
Phoenix	1,108	76	81	28.68	29.79	.00	89.2	+ 0.2	110	3	102	69	31	77	30	68	57	38	0.30	− 0.7	2	3,853	w.	30	s.	21	22	6	2	2.7	.....	.....
Yuma	141	9	58	29.63	29.77	+ .01	91.1	+ 1.0	115	3	106	67	31	76	38	73	64	48	0.00	− 0.4	0	4,584	s.	34	s.	13	31	0	0	0.3	.....	.....
Independence	3,910	11	42	25.96	29.87	+ .06	75.5	− 0.9	100	5	92	50	21	59	39	58	45	39	T.	− 0.1	0	3,928	w.	24	se.	12	27	4	0	2.0	.....	.....
Middle Plateau.							**72.4**	**+ 0.8**										**34**	**0.50**	**− 0.2**										**2.5**		
Reno	4,532	74	81	25.50	29.90	+ .06	71.2	+ 4.2	98	5	90	42	20	53	47	52	37	36	0.38	+ 0.1	1	4,888	w.	37	sw.	16	29	1	1	1.2	.....	.....
Tonopah	6,090	12	20	24.13	29.91	.....	73.4	.....	94	5	85	52	28	62	30	52	32	26	0.02	− 0.4	2	4,772	w.	31	e.	6	16	15	0	3.1	.....	.....
Winnemucca	4,344	18	56	25.62	29.93	+ .05	70.6	− 0.2	100	13	90	40	21	51	48	49	32	29	T.	− 0.2	0	3,877	sw.	24	sw.	15	28	3	0	1.0	.....	.....
Modena	5,479	10	43	24.67	29.89	+ .03	69.8	+ 1.2	93	15	86	41	29	53	39	51	35	34	0.73	− 1.1	4	7,962	sw.	50	sw.	16	18	12	1	2.9	.....	.....
Salt Lake City	4,360	147	189	25.62	29.88	− .03	75.6	+ 0.1	97	14	87	56	28	64	33	57	45	35	0.24	− 0.5	3	5,492	se.	34	e.	4	21	7	3	3.1	.....	.....
Durango	6,546	18	56	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Grand Junction	4,602	82	96	25.41	29.93	+ .03	74.7	− 1.4	96	16	88	51	27	62	32	57	45	42	1.74	+ 0.7	9	6,829	se.	34	se.	20	20	9	2	3.5	.....	.....
Northern Plateau.							**71.5**	**+ 1.2**										**34**	**0.02**	**− 0.4**										**2.6**		
Baker	3,471	48	53	26.47	30.00	+ .05	66.4	+ 1.5	96	14	83	39	17	50	42	50	35	36	0.01	− 0.4	1	4,453	nw.	18	n.	16	26	5	0	1.7	.....	.....
Boise	2,739	78	86	27.12	29.92	− .01	72.8	+ 1.0	101	14	88	48	18	57	39	54	37	32	0.04	− 0.1	1	3,436	nw.	26	w.	3	24	5	2	2.2	.....	.....
Lewiston	757	40	48	29.14	29.93	− .02	74.6	+ 1.1	105	14	91	48	24	58	47	.....	.....	.....	T.	− 0.4	0	2,408	w.	31	nw.	16	16	12	3	3.0	.....	.....
Pocatello	4,477	46	54	25.49	29.91	− .01	69.9	− 0.6	94	13	86	42	18	54	41	51	34	34	0.06	− 0.5	2	5,443	se.	32	sw.	17	20	10	1	2.8	.....	.....
Spokane	1,929	101	110	27.94	29.94	− .01	70.0	+ 3.1	100	2	85	44	31	55	41	52	37	36	0.01	− 0.5	1	4,232	sw.	24	sw.	15	17	9	5	3.2	.....	.....
Walla Walla	1,000	57	65	28.89	29.94	− .02	75.2	+ 1.4	101	13	88	53	24	62	38	56	38	30	T.	− 0.4	0	3,283	s.	20	w.	16	22	8	1	2.6	.....	.....
North Pacific Coast Region.							**60.8**	**− 0.2**										**75**	**0.20**	**− 0.6**										**4.3**		
North Head	211	11	56	29.88	30.11	+ .08	55.2	− 2.7	65	18	58	50	10	53	11	54	52	92	0.21	− 0.4	5	10,688	nw.	40	nw.	29	7	8	16	6.6	.....	.....
Port Crescent	259	8	53	29.83	30.11	+ .09	54.2	− 2.0	76	12	62	38	31	48	36	.....	.....	.....	0.11	− 0.6	3	3,338	nw.	14	nw.	7	9	18	4	4.6	.....	.....
Seattle	125	215	250	29.95	30.08	+ .08	63.2	+ 0.1	88	13	72	48	31	54	29	57	53	73	0.01	− 0.5	1	4,670	n.	24	s.	6	12	11	8	4.8	.....	.....
Tacoma	213	113	120	29.85	30.07	+ .05	62.8	− 0.2	89	13	73	47	9	52	33	56	51	68	T.	− 0.7	0	3,474	n.	21	sw.	6	15	12	4	4.0	.....	.....
Tatoosh Island	109	7	57	29.99	30.09	+ .09	53.9	− 1.4	67	12	58	46	24	50	19	53	52	96	1.09	− 1.0	5	7,466	s.	36	s.	13	10	8	13	5.8	.....	.....
Portland, Oreg.	153	68	106	29.85	30.03	+ .02	68.0	+ 2.1	93	12	79	49	31	57	33	59	54	64	0.01	− 0.6	1	4,325	nw.	19	n.	16	19	10	2	2.7	.....	.....
Roseburg	510	9	57	29.48	30.02	+ .02	68.6	+ 2.4	101	12	84	46	17	53	45	56	48	57	T.	− 0.3	0	2,522	n.	16	n.	8	22	7	2	1.9	.....	.....
Middle Pacific Coast Region.							**64.6**	**− 0.3**										**62**	**0.00**	**0.0**										**3.5**		
Eureka	62	73	89	29.97	30.04	+ .04	54.6	− 1.2	62	6	58	48	17	51	12	52	51	90	T.	− 0.1	0	4,111	nw.	22	n.	6	2	7	22	8.0	.....	.....
Mount Tamalpais	2,375	11	18	27.53	29.96	+ .03	68.6	+ 2.7	91	1	76	45	31	61	31	54	40	39	0.00	0.0	0	9,154	nw.	48	nw.	28	29	2	0	0.7	.....	.....
Point Reyes Light	490	7	18	29.44	29.96	.....	53.6	− 0.9	66	1	57	48	2	50	17	.....	.....	.....	0.00	0.0	0	14,208	nw.	48	nw.	28	6	3	22	7.6	.....	.....
Red Bluff	332	50	56	29.52	29.86	.00	79.7	− 1.3	105	4	96	52	31	63	43	61	46	37	0.00	0.0	0	2,880	s.	17	n.	17	31	0	0	0.3	.....	.....
Sacremento	69	106	117	29.81	29.88	+ .03	71.2	− 0.9	99	5	87	48	20	56	39	60	35	60	0.00	0.0	0	6,656	s.	22	s.	30	31	0	0	0.1	.....	.....
San Francisco	155	200	204	29.79	29.96	+ .04	58.2	+ 0.2	83	1	63	51	23	53	30	54	52	86	0.00	0.0	0	8,646	w.	33	w.	4	9	12	10	5.2	.....	.....
San Jose	141	12	110	29.82	29.97	.....	66.2	− 0.5	94	1	79	48	20	54	42	.....	.....	.....	0.00	0.0	0	4,262	nw.	19	se.	18	27	4	0	2.3	.....	.....
South Pacific Coast Region.							**69.8**	**− 0.7**										**66**	**0.00**	**0.0**										**2.8**		
Fresno	327	89	98	29.52	29.86	+ .04	80.3	− 0.9	106	5	97	54	31	64	39	60	44	35	T.	0.0	0	5,793	nw.	21	nw.	8	30	1	0	0.4	.....	.....
Los Angeles	338	159	191	29.58	29.94	+ .06	68.2	− 0.4	88	16	78	56	9	59	26	61	57	76	0.00	0.0	0	3,777	sw.	15	s.	8	17	14	0	3.1	.....	.....
San Diego	87	62	70	29.85	29.94	+ .05	66.2	− 2.5	78	16	70	60	5	62	14	61	59	80	0.00	0.0	0	4,943	nw.	21	nw.	1	20	7	4	3.6	.....	.....
San Luis Obispo	201	47	54	29.77	29.99	+ .05	64.5	+ 1.0	91	16	75	50	21	54	36	56	52	75	T.	0.0	0	2,310	nw.	12	w.	3	12	17	2	4.1	.....	.....
West Indies.																																
San Juan	82	8	54	29.95	30.03	+ .06	79.6	.....	87	19	84	72	15	75	14	.....	.....	.....	4.71	− 2.7	26	10,312	ne.	38	ne.	30	11	19	1	3.9	.....	.....
Panama.																																
Ancon	92	6	69	29.71	29.80	.....	81.8	.....	94	3	90	70	28	74	21	76	75	90	6.09	− 1.4	24	5,555	nw.	35	ne.	7	0	9	22	8.2	.....	.....
Culebra	404	5	62	29.42	29.83	.....	80.4	.....	91	30	87	69	28	74	20	75	75	94	9.73	− 0.8	22	5,694	nw.	31	ne.	28	0	5	26	8.6	.....	.....
Colon	10	5	71	29.83	29.84	.....	81.0	.....	88	5	84	74	12	78	11	78	77	88	16.01	+ 0.9	25	7,983	n.	28	w.	23	2	10	19	7.7	.....	.....

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during August, 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.	10	6.48 a.m.	10.50 a.m.	2.25	7.02 a.m.	7.52 a.m.	0.01	0.16	0.33	0.46	0.68	0.98	1.19	1.35	1.45	1.55	1.62				
	11	D. N. a.m.	9.00 a.m.	2.05	5.49 a.m.	6.39 a.m.	.08	.09	.25	.43	.67	.95	1.22	1.36	1.47	1.54	1.61				
	13	D. N. a.m.	12 noon.	3.67	4.26 a.m.	5.01 a.m.	.18	.08	.13	.22	.38	.50	.63	.77							
					9.03 a.m.	9.53 a.m.	2.10	.12	.23	.29	.43	.70	.86	.96	1.08	1.17	1.24				
	24	6.00 a.m.	10.11 a.m.	1.64	7.01 a.m.	7.24 a.m.	.41	.13	.32	.46	.65	.72									
	26	3.10 a.m.	9.00 a.m.	2.02	4.05 a.m.	4.48 a.m.	.49	.18	.35	.38	.45	.58	.66	.66	.81	.90					
Albany, N. Y.	11	1.42 p.m.	3.02 p.m.	1.85	1.54 p.m.	2.49 p.m.	.02	.05	.31	.68	1.05	1.40	1.58	1.60	1.66	1.67	1.67	1.82			
	19-20	11.40 p.m.	D. N. a.m.	0.68	12.05 a.m.	12.27 a.m.	.01	.21	.42	.53	.61	.65									
	21	11.20 a.m.	1.40 p.m.	0.77	11.38 a.m.	11.38 a.m.	.01	.57	.66												
Alpena, Mich.	10			0.71														.41			
Amarillo, Tex.	9-10	10.25 p.m.	3.30 a.m.	0.74	9.19 p.m.	9.33 p.m.	.01	.13	.33	.53											
Anniston, Ala.	10			0.71														.67			
Asheville, N. C.	11	4.45 p.m.	6.18 p.m.	0.69	5.17 p.m.	5.35 p.m.	.01	.23	.38	.56	.68										
	13	7.30 p.m.	9.45 p.m.	0.75	8.40 p.m.	9.08 p.m.	.10	.41	.62	.64	.64	.77	.85								
	25	11.08 p.m.	11.45 p.m.	0.85	11.10 a.m.	11.37 a.m.	.01	.06	.24	.51	.66	.77	.83								
		4.30 p.m.	5.00 p.m.	0.76	4.40 p.m.	4.48 p.m.	.05	.45	.71												
Atlanta, Ga.	20	9.37 a.m.	11.10 a.m.	3.26	9.54 a.m.	10.45 a.m.	.02	.50	.90	1.02	1.33	1.67	1.96	2.44	2.89	3.03	3.19				
Atlantic City, N. J.	3	12 mid. a.m.	6.15 a.m.	1.00	4.25 a.m.	4.40 a.m.	.31	.37	.53	.60											
Augusta, Ga.	2	3.30 p.m.	7.05 p.m.	0.67	3.45 p.m.	4.10 p.m.	.01	.16	.23	.35	.46	.53									
Baker, Oreg.	3			0.01														.01			
Baltimore, Md.	10	4.27 p.m.	5.10 p.m.	0.71	4.30 p.m.	4.46 p.m.	.01	.24	.55	.66	.69										
	24	4.40 p.m.	6.30 p.m.	0.87	4.28 p.m.	5.09 p.m.	.01	.08	.20	.43	.54	.58									
	29	3.45 p.m.	4.20 p.m.	0.79	3.51 p.m.	4.11 p.m.	.01	.27	.48	.66	.77										
Bentonville, Ark.	19-20	11.45 p.m.	3.30 a.m.	0.86	12.38 a.m.	1.08 a.m.	.02	.19	.40	.48	.51	.56	.66								
	30	12.55 a.m.	5.10 a.m.	1.07	1.10 a.m.	1.56 a.m.	.04	.09	.14	.21	.24	.25	.35	.47	.51	.70	.75				
Binghamton, N. Y.	20	4.20 p.m.	7.15 p.m.	0.72	4.33 p.m.	4.53 p.m.	.01	.07	.25	.45	.56										
Birmingham, Ala.	1	7.06 a.m.	8.25 a.m.	0.76	7.36 a.m.	8.02 a.m.	.14	.06	.21	.27	.39	.51	.55								
	12	2.19 p.m.	5.32 p.m.	1.12	2.39 p.m.	3.34 p.m.	.07	.07	.10	.16	.30	.44	.56	.63	.64	.70	.87	.95			
Bismark, N. Dak.	2			0.44														.28			
Block Island, R. I.	21			0.98														.45			
Boise, Idaho.	3			0.04														.04			
Boston, Mass.	20			1.30														.57			
Buffalo, N. Y.	29			1.11														.50			
Burlington, Vt.	11	12.03 p.m.	12.35 p.m.	0.66	12.09 p.m.	12.27 p.m.	.01	(*)	(*)	(*)	(*)	(*)	.65								
Cairo, Ill.	10			0.93														.45			
Canton, N. Y.	18			0.49														.43			
Charles City, Iowa.	16	12.05 a.m.	1.40 a.m.	0.82	12.14 a.m.	12.49 a.m.	.04	.05	.13	.21	.30	.39	.47	.55							
	31	4.15 p.m.	5.18 p.m.	0.80	4.32 p.m.	5.07 p.m.	.02	.05	.13	.24	.40	.57	.68	.76							
Charleston, S. C.	4-5			1.73														.55			
Charlotte, N. C.	26-27			0.79														.40			
Chattanooga, Tenn.	2	4.23 p.m.	7.24 p.m.	0.83	4.31 p.m.	4.46 p.m.	.01	.24	.60	.72											
Cheyenne, Wyo.	25	6.25 p.m.	7.45 p.m.	0.75	6.31 p.m.	6.53 p.m.	.01	.07	.10	.37	.62	.68									
Chicago, Ill.	9	2.19 p.m.	3.50 p.m.	1.01	2.52 p.m.	3.11 p.m.	.09	.08	.35	.70	.91										
	13	11.35 a.m.	2.40 p.m.	0.82	11.41 a.m.	12.06 p.m.	.01	.08	.22	.41	.58	.68									
Cincinnati, Ohio.	28	12.15 a.m.	11.00 a.m.	1.37	4.24 a.m.	4.55 a.m.	.30	.12	.23	.29	.37	.48	.56	.59							
Cleveland, Ohio.	23			1.56														.66			
Columbia, Mo.	9	12.40 p.m.	1.30 p.m.	0.59	12.46 p.m.	1.16 p.m.	.01	.07	.15	.23	.40	.51	.56								
	19	6.00 p.m.	D. N. p.m.	1.75	6.05 p.m.	6.45 p.m.	.01	.17	.32	.68	1.06	1.37	1.56	1.64	1.70						
	25	D. N. a.m.	10.00 a.m.	2.47	4.53 a.m.	6.23 a.m.	.21	.08	.12	.15	.18	.23	.27	.44	.64	.79	.91	1.13	1.91	2.11	
Columbia, S. C.	14	2.12 a.m.	D. N. a.m.	0.81	2.17 a.m.	2.38 a.m.	.01	.21	.33	.49	.58	.62									
Columbus, Ohio.	20			0.86														.49			
Concord, N. H.	17			1.23														.96			
Concordia, Kans.	9	5.32 p.m.	8.17 p.m.	1.42	5.40 p.m.	6.06 p.m.	.01	.17	.48	.81	1.01	1.11	1.13								
Corpus Christi, Tex.	9	4.20 a.m.	6.20 a.m.	0.98	5.04 a.m.	5.44 a.m.	.06	.16	.21	.34	.55	.60	.67	.75	.82						
	16	9.21 a.m.	10.32 a.m.	0.70	9.21 a.m.	9.58 a.m.	.00	.09	.18	.24	.29	.31	.48	.59	.64						
Davenport, Iowa.	5-6	10.44 p.m.	About 2.20 a.m.	0.67	1.51 a.m.	2.06 a.m.	.29	.12	.23	.35											
Dayton, Ohio.	21			0.60														.54			
Del Rio, Tex.	5-6	9.40 p.m.	12.30 a.m.	2.49	9.42 p.m.	11.02 p.m.	T	.19	.35	.41	.46	.57	.72	.78	.83	1.00	1.12	1.20	1.44		
Denver, Colo.	1	4.18 p.m.	5.07 p.m.	1.09	4.21 p.m.	4.48 p.m.	.01	.34	.86	.95	.98	1.04	1.07								
Des Moines, Iowa.	31	6.55 p.m.	D. N. p.m.	0.98	8.05 p.m.	8.25 p.m.	.09	.30	.55	.67	.73										
Detroit, Mich.	10	1.40 p.m.	4.20 p.m.	0.57	1.46 p.m.	2.07 p.m.	.01	.05	.11	.38	.47	.51									
Devils Lake, N. Dak.	22			0.68														.29			
Dodge City, Kans.	19			0.58														.55			
Dubuque, Iowa.	31-1[1]	8.05 p.m.	D. N. a.m.	3.18	8.10 p.m.	9.00 p.m.	.01	.41	.72	1.03	1.23	1.25	1.30	1.38	1.51	1.57	1.63				
					10.52 p.m.	11.36 p.m.	2.03	.19	.32	.36	.39	.43	.51	.60	.69	.74					
Duluth, Minn.	9			1.30														.56			
Durango, Colo.																					
Eastport, Me.	1			1.24														.47			
Elkins, W. Va.	24	4.48 p.m.	7.36 p.m.	1.42	4.48 p.m.	5.11 p.m.	.00	.11	.30	.44	.54	.59									
					6.08 p.m.	6.29 p.m.	.83	.21	.35	.43	.51										
El Paso, Tex.	19			0.60														.57			
Erie, Pa.	18	10.27 p.m.	D. N. a.m.	1.16	11.05 p.m.	11.50 p.m.	.01	.08	.27	.41	.49	.52	.65	.83	.92	1.02					
	20	11.45 a.m.	12.25 p.m.	0.60	11.53 a.m.	12.08 p.m.	.01	.27	.50	.56											
Escanaba, Mich.	13	D. N. a.m.	6.40 a.m.	0.77	4.44 a.m.	4.55 a.m.	.03	.35	.58	.61											
	20	6.10 a.m.	6.42 a.m.	0.55	6.13 a.m.	6.26 a.m.	.01	.32	.41	.53											
Eureka, Cal.	25, 31			T														T			
Evansville, Ind.	25			0.87														.48			
Flagstaff, Ariz.	29			0.98														(*)			
Fort Smith, Ark.	10	3.06 p.m.	8.06 p.m.	1.15	3.15 p.m.	3.40 p.m.	.01	.20	.44	.66	.83	.89									
Fort Wayne, Ind.	19			0.58														.25			
Fort Worth, Tex.	5	2.15 p.m.	3.50 p.m.	1.48	2.47 p.m.	3.21 p.m.	.11	.09	.39	.93	.92	1.14	1.29	1.35							
	12-13	6.11 p.m.	4.22 a.m.	1.17	6.31 p.m.	6.58 p.m.	.11	.18	.30	.38	.46	.58	.66								
	15	12.57 a.m.	8.35 a.m.	2.50	2.02 a.m.	2.37 a.m.	.37	.09	.13	.21	.35	.48	.65	.79							
					4.16 a.m.	4.48 a.m.	1.48	.06	.12	.17	.37	.49	.56	.61							
	25	5.22 p.m.	6.30 p.m.	0.58	5.32 p.m.	5.47 p.m.	.01	.18	.34	.54											
	28	12.11 a.m.	4.15 a.m.	1.05	1.25 a.m.	1.52 a.m.	.03	.09	.17	.31	.42	.50	.55								
Fresno, Cal.	7			T														T			
Galveston, Tex.	6	6.30 a.m.	12.40 p.m.	1.59	7.53 a.m.	8.12 a.m.	.20	.38	.66	.84	.91										
	8	6.10 a.m.	3.40 p.m.	3.01	7.54 a.m.	9.05 a.m.	.22	.08	.23	.39	.64	.95	1.26	1.48	1.69	1.94	2.14	2.36	2.65		
	22	8.10 a.m.	8.55 a.m.	0.80	8.14 a.m.	8.37 a.m.	.01	.16	.30	.51	.68	.75									
Grand Haven, Mich.	16	7.15 p.m.	D. N. p.m.	1.39	10.20 p.m.	11.08 p.m.	.14	.15	.32	.44	.57	.58	.60	.61	1.03	1.20	1.25				
	30	D. N. a.m.	8.00 a.m.	0.79	5.27 a.m.	5.47 a.m.	.01	.28	.43	.50	.56										
Grand Junction, Colo.	22	5.20 p.m.	6.05 p.m.	0.59	5.23 p.m.	5.36 p.m.	.01	.24	.54	.58											
Grand Rapids, Mich.	16-17	8.00 p.m.	D. N. a.m.	1.33	10.30 p.m.	11.13 p.m.	.21	.09	.12	.24	.30	.38	.51	.68	.83	.89					
Green Bay, Wis.	17-18	9.00 p.m	D. N. a.m.	1.71	10.23 p.m.	11.26 p.m.	.24	.14	.15	.15	.24	.46	.60	.86	.98	1.05	1.11	1.25	1.30		
Hannibal, Mo.	31			1.45															.52		
Harrisburg, Pa.	10	9.40 p.m.	10.30 p.m.	0.57	9.50 p.m.	10.15 p.m.	.02	.08	.20	.33	.47	.53									
	20	5.26 p.m.	9.00 p.m.	0.80	7.42 p.m.	8.22 p.m.	.66	.30	.61	.73	.77	.80	.84	.90	1.00						
Hartford, Conn.	20			0.45														.45			

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during August, 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.
Hatteras, N. C.	13	2.10 a. m.	4.05 a. m.	0.71	2.46 a. m.	3.10 a. m.	.11	.10	.16	.26	.42	.53									
Havre, Mont.	18			0.60														.43			
Helena, Mont.	18			0.12														.07			
Houghton, Mich.	9			0.71														.48			
Houston, Tex.	5	3.50 p. m.	6.10 p. m.	1.13	5.08 p. m.	5.36 p. m.	.09	.20	.48	.69	.83	.89	.93								
	7	D. N. a. m.	11.00 a. m.	2.61	5.12 a. m.	5.59 a. m.	.20	.15	.34	.60	.84	.96	1.01	1.05	1.15	1.25	1.30				
					6.35 a. m.	7.01 a. m.	1.65	.22	.27	.35	.52	.63	.67								
	11	12.53 p. m.	2.40 p. m.	1.10	1.08 p. m.	1.43 p. m.	.04	.16	.33	.43	.64	.77	.81	.90							
Huron, S. Dak.	24			0.24														.23			
Independence, Cal.	2, 9			T.														T.			
Indianapolis, Ind.	10	4.10 p. m.	5.38 p. m.	0.66	4.12 p. m.	4.24 p. m.	.01	.27	.56	.59											
	28-29	6.20 a. m.	D. N. a. m.	2.46	2.15 p. m.	2.55 p. m.	.86	.11	.26	.36	.40	.50	.59	.71	.76						
					4.30 p. m.	4.59 p. m.	1.68	.27	.30	.34	.37	.41	.52								
Iola, Kans.	24			0.66														.54			
Jacksonville, Fla.	4	9.20 p. m.	11.25 p. m.	0.81	9.20 p. m.	9.35 p. m.	.00	.09	.41	.53											
	14	3.59 p. m.	6.20 p. m.	1.33	4.03 p. m.	4.52 p. m.	.01	.10	.21	.42	.74	.83	.85	.92	1.02	1.16	1.23				
	17	4.47 p. m.	7.15 p. m.	1.40	4.57 p. m.	5.22 p. m.	.01	.17	.73	1.00	1.18	1.30									
	21	12.23 p. m.	1.20 p. m.	0.95	12.44 p. m.	12.58 p. m.	.01	.41	.70	.91											
Kalispell, Mont.	17			1.25														.39			
Kansas City, Mo.	21	3.27 p. m.	4.08 p. m.	0.57	3.49 p. m.	4.01 p. m.	.03	.19	.45	.54											
Keokuk, Iowa	31	10.30 a. m.	1.00 p. m.	0.61	10.37 a. m.	11.06 a. m.	.04	.05	.14	.19	.33	.47	.50								
Key West, Fla.	10			0.35														.24			
Knoxville, Tenn.	3	5.59 p. m.	D. N. p. m.	1.71	6.07 p. m.	6.41 p. m.	.01	.38	.85	1.06	1.19	1.33	1.42	1.47							
	13	7.35 a. m.	12.02 p. m.	0.96	9.14 a. m.	9.38 a. m.	.34	.05	.11	.35	.52	.56									
La Crosse, Wis.	9-10			0.94														.69			
Lander, Wyo.	1			0.09														.07			
Lansing, Mich.	10			0.69														.53			
Lewiston, Idaho	14			T.														T.			
Lexington, Ky.	24	1.38 p. m.	4.10 p. m.	0.81	2.07 p. m.	2.28 p. m.	.21	.19	.37	.44	.50	.54									
Lincoln, Nebr.	9			0.55														.52			
Little Rock, Ark.	25	8.58 p. m.	11.15 p. m.	1.67	9.03 p. m.	10.23 p. m.	.01	.08	.17	.24	.26	.30	.34	.40	.44	.56	.69	1.09	1.57		
Los Angeles, Cal.				(‡)																	
Louisville, Ky.	13	8.25 p. m.	9.50 p. m.	0.67	8.28 p. m.	8.47 p. m.	.02	.18	.37	.50	.56										
	20	12.02 p. m.	1.00 p. m.	0.68	12.12 p. m.	12.24 p. m.	.01	.12	.48	.57											
Ludington, Mich.	17-18	D. N. p. m.	5.55 a. m.	1.12	12.50 a. m.	1.04 a. m.	.04	.07	.37	.51											
Lynchburg, Va.	21	1.35 p. m.	2.30 p. m.	1.03	1.48 p. m.	2.14 p. m.	.01	.28	.45	.72	.90	.97	1.00								
Macon, Ga.	4			0.75														.63			
Madison, Wis.	18	5.10 p. m.	8.10 p. m.	0.99	5.26 p. m.	6.08 p. m.	.09	.09	.24	.37	.45	.51	.62	.66	.73	.76					
	31-Sept. 1	9.55 p. m.	D. N. a. m.	1.77	11.24 p. m.	12.03 a. m.	.36	.08	.21	.42	.62	.81	.92	.97	1.03						
Marquette, Mich.	20			0.35														.21			
Memphis, Tenn.	20	1.05 p. m.	4.57 p. m.	0.96	1.05 p. m.	1.41 p. m.	.00	.06	.24	.37	.46	.51	.61	.83							
	26	8.05 a. m.	1.45 p. m.	1.14	12.11 p. m.	12.27 p. m.	.44	.12	.37	.60	.64										
Meridian, Miss.	3-4	D. N. p. m.	D. N. a. m.	1.66	11.11 p. m.	12.16 a. m.	.02	.07	.17	.18	.38	.44	.71	.89	1.00	1.10	1.16	1.32	1.50		
Miami, Fla.	15	D. N. a. m.	D. N. a. m.	0.57	5.18 a. m.	5.31 a. m.	.04	.24	.46	.53											
Milwaukee, Wis.	30			0.32														.24			
Minneapolis, Minn.	9	3.05 p. m.	8.20 p. m.	3.32	4.30 p. m.	5.20 p. m.	.37	.16	.30	.33	.39	.49	.59	.61	.64	.65	.71				
					5.20 p. m.	6.10 p. m.		.93	1.20	1.43	1.62	1.85	2.00	2.08	2.17	2.28	2.38				
					6.10 p. m.	6.45 p. m.		2.39	2.42	2.44	2.47	2.58	2.73	2.78							
	22	7.25 p. m.	10.40 p. m.	2.68	7.31 p. m.	8.10 p. m.	.01	.30	.57	.83	1.03	1.40	1.93	2.15	2.21						
	31	3.16 p. m.	5.50 p. m.	1.30	3.20 p. m.	3.57 p. m.	.01	.07	.26	.41	.59	.70	.90	1.09	1.13						
Mobile, Ala.	4	6.15 a. m.	9.05 a. m.	1.08	6.31 a. m.	6.55 a. m.	.01	.19	.49	.58	.75	.86									
	8	1.35 p. m.	4.35 a. m.	1.62	2.03 p. m.	2.33 p. m.	.01	.36	.70	.96	1.26	1.43	1.55								
	16	10.55 a. m.	4.20 p. m.	2.14	10.59 a. m.	12.00 Noon	.01	.10	.23	.41	.58	.76	.96	1.09	1.25	1.42	1.51	1.67	1.81		
	21	5.38 a. m.	7.18 a. m.	1.10	5.45 a. m.	6.21 a. m.	.01	.17	.34	.53	.68	.82	.96	1.04							
Modena, Utah	30			0.42														.37			
Montgomery, Ala.	17			0.58														.58			
Moorhead, Minn.	28	6.30 p. m.	7.40 p. m.	1.03	6.30 p. m.	7.16 p. m.	.00	.27	.43	.46	.48	.48	.55	.68	.81	.99	1.01				
Mount Tamalpais, Cal.				(‡)																	
Mount Weather, Va.	25-26			1.21														.60			
Nantucket, Mass.	15	11.20 a. m.	11.55 a. m.	0.79	11.32 a. m.	11.50 a. m.	.01	.15	.57	.75	.78										
		12.25 p. m.	1.50 p. m.	1.18	12.27 p. m.	12.55 p. m.	.01	.31	.53	.66	.84	.99	1.06								
Nashville, Tenn.	3	6.03 p. m.	9.35 p. m.	1.21	6.13 p. m.	7.00 p. m.	.01	.17	.33	.48	.61	.73	.83	.90	.96	1.01	1.06				
	14	2.50 a. m.	4.00 a. m.	0.73	3.09 a. m.	3.24 a. m.	.05	.35	.54	.62	.64										
	26	2.03 p. m.	3.20 p. m.	0.63	2.07 p. m.	2.40 p. m.	.01	.15	.28	.35	.40	.43	.51	.55							
New Haven, Conn.	21			0.75														.43			
New Orleans, La.	10	1.08 p. m.	2.15 p. m.	0.61	1.13 p. m.	1.38 p. m.	.01	.16	.17	.19	.39	.53									
	16	1.30 p. m.	1.55 p. m.	0.62	1.34 p. m.	1.46 p. m.	.01	.19	.58	.61											
	18	3.35 p. m.	6.15 p. m.	0.66	3.38 p. m.	4.03 p. m.	.02	.10	.25	.36	.46	.54									
	21	10.55 a. m.	12.10 p. m.	0.81	11.23 a. m.	11.46 a. m.	.02	.06	.22	.43	.59	.76									
	26	1.38 p. m.	2.20 p. m.	0.59	1.38 p. m.	1.55 p. m.	.00	.18	.40	.57	.51										
	31	2.30 p. m.	3.30 p. m.	1.40	2.26 p. m.	3.01 p. m.	.01	.31	.65	.98	1.16	1.24	1.31	1.37							
New York, N. Y.	21	3.29 p. m.	6.10 p. m.	1.11	3.36 p. m.	4.01 p. m.	T.	.20	.45	.72	.79	.92									
Norfolk, Va.	4			0.38														.18			
Northfield, Vt.	29			1.04														.24			
North Head, Wash.	6			0.10														.04			
North Platte, Nebr.	25			0.62														.54			
Oklahoma, Okla.	29			0.82														.45			
Omaha, Nebr.	31			0.95														(*)			
Oswego, N. Y.	29			0.44														.39			
Palestine, Tex.	13	2.10 p. m.	3.05 p. m.	0.87	2.20 p. m.	2.32 p. m.	.03	.34	.70	.80											
	14	1.47 p. m.	3.25 p. m.	1.14	2.00 p. m.	2.26 p. m.	.06	.18	.42	.58	.76	.85	.87								
	15	7.55 p. m.	10.25 p. m.	0.77	8.10 p. m.	8.25 p. m.	.02	.19	.43	.51											
Parkersburg, W. Va.	10	1.02 p. m.	1.50 p. m.	0.63	1.15 p. m.	1.46 p. m.	.03	.13	.29	.29	.36	.49	.58	.60							
Pensacola, Fla.	7	6.25 a. m.	10.50 a. m.	0.91	6.30 a. m.	6.47 a. m.	.01	.33	.51	.66	.71										
	10	8.05 a. m.	6.45 a. m.	0.75	5.11 a. m.	5.32 a. m.	.01	.09	.19	.39	.52	.57									
	21	1.20 a. m.	4.15 a. m.	0.88	1.28 a. m.	2.03 a. m.	.02	.07	.27	.52	.69	.74	.77								
	30	12.35 p. m.	2.30 p. m.	1.81	1.12 p. m.	1.44 p. m.	.05	.38	.72	1.10	1.41	1.58	1.70	1.75							
Peoria, Ill.	10	10.42 a. m.	12.25 p. m.	1.00	11.22 a. m.	12.10 p. m.	.04	.06	.21	.40	.42	.44	.45	.57	.80	.89	.93				
Philadelphia, Pa.	21	3.25 p. m.	4.15 p. m.	1.18	3.30 p. m.	3.52 p. m.	.01	.21	.59	.98	1.10	1.14									
Phoenix, Ariz.	29			0.29														.20			
Pierre, S. Dak.	4	4.55 p. m.	5.40 p. m.	0.94	5.06 p. m.	5.33 p. m.	.01	.13	.28	.37	.55	.82	.92								
Pittsburgh, Pa.	11	8.55 a. m.	5.45 p. m.	1.82	10.12 a. m.	11.12 a. m.	.29	.06	.22	.29	.39	.41	.42	.42	.46	.53	.58	.82			
Pocatello, Idaho	1			0.03														.03			
Point Reyes Light, Cal.				(‡)																	
Port Huron, Mich.	10	2.09 p. m.	4.10 p. m.	0.95	2.12 p. m.	2.38 p. m.	.01	.21	.46	.69	.78	.88	.91								
Portland, Me.	11			0.43														.37			
Portland, Oreg.	3			0.01														.01			
Providence, R. I.	21	2.49 p. m.	7.44 p. m.	1.17	2.49 p. m.	3.22 p. m.	.00	.10	.24	.44	.51	.63	.73	.77							
Pueblo, Colo.	2	3.39 p. m.	4.40 p. m.	0.65	3.47 p. m.	4.07 p. m.	.02	.17	.40	.49	.56										
	20	2.25 p. m.	4.10 p. m.	0.82	3.32 p. m.	3.49 p. m.	.09	.11	.25	.45	.52										

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during August, 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.
Raleigh, N. C.	14			0.95														.45			
Rapid City, S. Dak.	19			0.58														.54			
Reading, Pa.	29	7.36 p. m.	8.48 p. m.	0.81	7.44 p. m.	8.04 p. m.	.02	.16	.60	.67	.78										
Red Bluff, Cal.				(‡)																	
Reno, Nev.	2			0.38														.35			
Richmond, Va.	10			0.52														.52			
Rochester, N. Y.	10	1.34 p. m.	2.18 p. m.	0.59	1.41 p. m.	1.58 p. m.	.01	.16	.39	.52	.56										
	18	4.55 a. m.	6.55 a. m.	1.24	5.33 a. m.	6.49 a. m.	.16	.14	.38	.48	.55	.59	.61	.62	.70	.73	.83	.87	1.07		
	24	1.55 a. m.	6.15 a. m.	1.17	2.39 a. m.	3.04 a. m.	.18	.09	.21	.43	.56	.65									
Roseburg, Oreg.	3			T.														T.			
Roswell, N. Mex.	30			0.49														.28			
Sacramento, Cal.				(‡)																	
Saginaw, Mich.	10	4.18 p. m.	6.40 p. m.	1.79	4.20 p. m.	5.28 p. m.	.01	.08	.20	.37	.45	.47	.58	.64	.76	.83	1.18	1.47	1.74		
	18	D. N. a. m.	8.07 a. m.	2.91	4.03 a. m.	4.45 a. m.	.80	.14	.29	.43	.58	.67	.78	.89	1.04	1.09					
	18–19	9.15 p. m.	D. N. a. m.	0.80	10.03 p. m.	10.30 p. m.	.03	.31	.42	.47	.54	.62	.66								
St. Joseph, Mo.	31	1.10 a. m.	3.30 a. m.	0.68	3.02 a. m.	3.22 a. m.	.01	.35	.55	.66											
St. Louis, Mo.	19	1.50 p. m.	2.38 p. m.	1.00	1.50 p. m.	2.16 p. m.	.00	.20	.43	.61	.82	.92									
	31	3.05 a. m.	4.50 a. m.	0.64	3.24 a. m.	3.39 a. m.	.06	.26	.48	.57											
St. Paul, Minn.	9	3.53 p. m.	8.35 p. m.	1.46	5.51 p. m.	6.52 p. m.	.14	.22	.35	.46	.69	.75	.77	.78	.78	.81	.89	1.15	1.21		
	22	7.35 p. m.	10.45 p. m.	1.30	7.52 p. m.	8.20 p. m.	.11	.13	.14	.26	.63	.82	.90								
Salt Lake City, Utah	3			0.22														.21			
San Antonio, Tex.	5	2.24 p. m.	4.45 p. m.	0.69	2.40 p. m.	3.09 p. m.	.01	.11	.28	.42	.68	.56									
	6	3.15 a. m.	6.38 a. m.	2.38	4.06 a. m.	5.08 a. m.	.11	.09	.22	.48	.92	1.05	1.15	1.28	1.49	1.61	1.99	2.13			
San Diego, Cal.				‡																	
Sand Key, Fla.	11			0.26														.26			
Sandusky, Ohio	17			1.04														.72			
San Francisco, Cal.				‡																	
San Jose, Cal.				‡																	
San Luis Obispo, Cal.	7			T.														T.			
Santa Fe, N. Mex.	10	2.47 p. m.	3.26 p. m.	0.95	2.51 p. m.	3.26 p. m.	.01	.21	.42	.55	.62	.73	.87	.94							
Sault Ste. Marie, Mich.	13			0.56														.46			
Savannah, Ga.	16	7.40 p. m.	10.55 p. m.	0.74	8.01 p. m.	8.19 p. m.	.04	.16	.25	.47	.59										
	21	6.50 p. m.	9.02 p. m.	0.76	6.54 p. m.	7.17 p. m.	.01	.17	.34	.50	.59	.63									
Scranton, Pa.	10			0.48														.46			
Seattle, Wash.	16			0.01														.01			
Sheridan, Wyo.	1			0.25														.14			
Shreveport, La.	11	1.10 p. m.	1.45 p. m.	0.55	1.22 p. m.	1.36 p. m.	.03	.25	.40	.51											
Sioux City, Iowa	4			0.47														.35			
Spokane, Wash.	6			0.01														.01			
Springfield, Ill.	13			0.47														.42			
Springfield, Mo.	24–25			2.00														(*)			
Syracuse, N. Y.	20			0.91														.77			
Tacoma, Wash.	6			T.														T.			
Tampa, Fla.	11	5.05 p. m.	6.15 p. m.	0.64	5.23 p. m.	5.47 p. m.	.05	.18	.32	.42	.49	.54									
	13	3.28 p. m.	4.35 p. m.	0.59	3.28 p. m.	3.39 p. m.	.00	.31	.52	.54											
	19	4.46 p. m.	7.15 p. m.	0.88	5.08 p. m.	5.33 p. m.	.01	.15	.34	.52	.68	.75									
Tatoosh Island, Wash.	6			0.47														.17			
Taylor, Tex.	7	D. N. a. m.	4.05 p. m.	2.27	12.35 p. m.	1.34 p. m.	1.13	.09	.16	.24	.32	.41	.49	.57	.64	.75	.89	1.04			
	14–15	6.06 p. m.	D. N. a. m.	1.94	6.39 p. m.	7.07 p. m.	.15	.12	.28	.55	.84	.99	1.04								
Terre Haute, Ind.	9	12.25 p. m.	1.20 p. m.	0.72	12.33 p. m.	1.07 p. m.	.01	.15	.28	.40	.48	.50	.56	.68							
	25	D. N. a. m.	10.40 a. m.	1.28	5.10 a. m.	5.45 a. m.	.37	.11	.33	.46	.55	.61	.66	.71							
Thomasville, Ga.	10	12.44 p. m.	4.35 p. m.	0.76	12.57 p. m.	1.13 p. m.	.03	.28	.54	.62	.64										
	24	1.27 p. m.	2.20 p. m.	0.63	1.35 p. m.	1.55 p. m.	.01	.25	.38	.49	.55										
Toledo, Ohio	10	3.22 p. m.	3.53 p. m.	0.60	3.32 p. m.	3.47 p. m.	.01	.19	.46	.57											
		4.35 p. m.	8.40 p. m.	1.25	5.22 p. m.	6.04 p. m.	.04	.33	.56	.65	.72	.80	.84	.90	.99	1.03					
Tonopah, Nev.	6,14			0.01														.01			
Topeka, Kans.	27			1.20														.54			
Valentine, Nebr.	1	6.03 a. m.	7.45 a. m.	0.72	6.54 a. m.	7.23 a. m.	.05	.05	.11	.31	.46	.54	.61								
	20	6.14 a. m.	8.50 a. m.	0.99	6.41 a. m.	6.56 a. m.	.05	.22	.48	.62											
Vicksburg, Miss.	9	5.01 p. m.	5.55 p. m.	0.82	5.04 p. m.	5.28 p. m.	.01	.24	.48	.59	.67	.72									
	29	3.40 a. m.	4.55 a. m.	0.70	3.46 a. m.	4.12 a. m.	.01	.28	.40	.48	.50	.64	.67								
Walla Walla, Wash.	6			T.														T.			
Washington, D. C.	11	5.43 p. m.	7.00 p. m.	1.01	5.52 p. m.	6.20 p. m.	.01	.13	.24	.47	.60	.86	.92								
	28–29	7.19 p. m.	12.39 a. m.	2.71	8.45 p. m.	9.11 p. m.	.06	.08	.17	.44	.75	.95	.98								
					9.37 p. m.	10.24 p. m.	1.09	.12	.17	.18	.23	.33	.48	.65	1.03	1.28	1.31				
Wichita, Kans.	19	12.24 p. m.	12.52 p. m.	0.75	12.27 p. m.	12.47 p. m.	.01	.16	.35	.63	.74										
	27	4.21 p. m.	7.45 p. m.	1.25	5.00 p. m.	5.37 p. m.	.06	.08	.17	.31	.45	.60	.81	1.07	1.13						
Williston, N. Dak.	24			2.04														.46			
Wilmington, N. C.	7	2.02 p. m.	2.45 p. m.	1.00	2.06 p. m.	2.20 p. m.	.01	.32	.78	.98											
	13	1.55 p. m.	6.10 p. m.	1.80	2.15 p. m.	3.27 p. m.	.03	.21	.33	.44	.59	.73	.92	1.05	1.13	1.25	1.38	1.49	1.64		
Winnemucca, Nev.	27, 28			T.														T.			
Wytheville, Va.	21	12.27 p. m.	12.50 p. m.	0.58	12.29 p. m.	12.45 p. m.	.01	.25	.40	.52	.57										
Yankton, S. Dak.	4			0.58														.53			
Yellowstone Park, Wyo.	28			0.04														.04			

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

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

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.*	
St. Johns, N. F.	29.77	29.90	−.06	60.4	+0.6	67.4	53.4	82	48	3.71	−0.37	.....
Sydney, C. B. I.	29.95	29.99	+.04	63.6	+0.3	73.0	54.1	84	40	2.40	−1.22	.....
Halifax, N. S.	29.91	30.01	+.05	63.5	−0.1	73.2	53.7	84	42	5.12	+ .77	.....
Yarmouth, N. S.	29.95	30.02	+.05	60.0	−0.2	66.2	53.9	73	44	3.79	− .22	.....
Charlottetown, P. E. I.	29.94	29.98	+.04	64.5	+0.2	73.0	56.0	85	47	2.01	−1.63	.....
Chatham, N. B.	29.95	29.97	+.04	64.2	+1.0	75.1	53.4	90	43	3.03	−1.01	.....
Father Point, Que.	29.91	29.93	+.02	56.6	+1.0	65.2	48.0	88	42	1.22	−1.83	.....
Quebec, Que.	29.65	29.97	+.04	63.1	0.0	72.6	53.6	90	41	3.93	+ .10	.....
Montreal, Que.	29.78	29.98	+.03	66.1	−0.3	74.6	57.6	91	48	4.81	+1.24	.....
Stonecliffe, Ont.	29.39	29.99	+.03	62.2	−1.0	74.6	49.7	94	36	2.45	− .50	.....
Ottawa, Ont.	29.73	30.05	+.09	68.7	+3.9	73.7	53.7	85	42	2.52	− .51	.....
Kingston, Ont.	29.69	29.99	+.01	69.2	+2.2	75.2	63.2	91	54	2.17	− .21	.....
Toronto, Ont.	29.58	29.94	−.05	68.1	+2.1	77.7	58.4	92	48	5.19	+2.43	.....
White River, Ont.	29.65	29.95	−.01	56.0	−0.4	71.5	40.0	86	22	1.77	−1.53	.....
Port Stanley, Ont.	29.35	29.98	−.02	67.1	+1.2	76.2	58.0	84	46	6.92	+4.50	.....
Southampton, Ont.	29.31	.....	.....	65.0	+1.2	73.3	56.6	87	41	3.32	+1.07	.....
Parry Sound, Ont.	29.31	29.99	+.01	65.2	+1.7	76.3	54.2	99	40	2.76	+ .04	.....
Port Arthur, Ont.	29.26	29.97	+.01	59.6	+0.1	68.6	50.7	79	34	4.48	+ .73	.....
Winnipeg, Man.	29.12	29.94	.00	62.7	−0.7	74.3	51.2	95	38	2.05	− .62	.....
Minnedosa, Man.	28.16	29.95	+.01	61.8	+2.4	76.4	47.3	98	32	0.82	−1.28	.....
Qu'Appelle, Sask.	27.69	29.90	−.03	59.8	−1.7	73.4	46.3	88	32	1.81	+ .17	.....
Medicine Hat, Alberta	27.66	29.87	−.05	68.8	+3.1	84.6	53.0	102	37	0.66	−1.01	.....
Swift Current, Sask.	27.37	29.87	−.06	63.4	−0.6	79.8	47.0	100	32	0.51	−1.40	.....
Calgary, Alberta	26.44	29.90	−.01	61.8	+2.4	76.6	47.0	96	36	2.18	+ .04	.....
Banff, Alberta	25.44	29.96	+.05	57.0	+0.7	73.4	40.5	89	28	0.59	−1.94	.....
Edmonton, Alberta	27.65	29.90	−.02	60.4	+1.6	72.9	48.0	85	41	2.52	+ .39	.....
Prince Albert, Sask.	28.34	29.88	−.04	57.4	−1.5	67.5	47.4	82	35	0.80	−1.35	.....
Battleford, Sask.	28.20	29.94	+.03	63.0	+0.4	76.2	49.9	90	35	2.30	− .06	.....
Kamloops, B. C.	28.74	29.93	+.02	68.7	+0.1	83.9	53.6	95	43	0.38	− .71	.....
Victoria, B. C.	29.81	30.06	+.05	59.4	+0.7	67.3	51.6	82	46	0.18	− .42	.....
Barkerville, B. C.	25.75	30.04	+.14	51.9	−4.4	65.3	38.5	72	28	0.96	−2.14	.....
Hamilton, Bermuda	30.05	30.21	+.11	78.8	−0.8	84.7	73.0	87	69	4.78	−1.30	.....

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