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, November, 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	53.0	−1.1	3 stations	86	4†	Florence	9	20	4.13	+1.00	Mobile	10.23	Bridgeport	1.61
Arizona	55.3	+3.2	Sacaton	95	5	Chin Lee	5	23	0.87	+0.01	Casa Grande	2.35	2 stations	0.00
Arkansas	52.6	+1.7	2 stations	88	5†	4 stations	11	20	2.32	−1.56	Arkansas City	5.62	Eureka Springs	0.44
California	54.2	+1.3	Santa Barbara	98	8	Tamarack	−2	30	0.80	−2.01	Weitchpec	7.64	28 stations	0.00
Colorado	38.9	+3.7	Hoehne	89	6	Dillon	−7	16	0.10	−0.76	Silver Lake	0.56	26 stations	0.00
Florida	64.0	−0.7	Brooksville (1)	90	6	Fenholloway	19	21	2.99	+0.80	Pensacola	13.53	Kissimmee	0.60
Georgia	53.6	−1.2	Poulan	90	5	3 stations	12	20	4.99	+2.41	Glennville	9.73	Quitman	1.77
Hawaii (October)	73.4	.....	Waranae, Oahu	93	2	Volcano House, Hawaii.	47	28†	4.60	.....	Kenae Valley, Maui.	24.18	2 stations	0.00
Idaho	37.5	+1.4	Rupert	82	4†	Pierson	−15	30	0.83	−1.00	Prichard	5.61	4 stations	0.00
Illinois	44.9	+3.4	St. Peter	85	7	Dakota	1	20	0.68	−1.90	Chester	1.90	2 stations	T.
Indiana	43.7	+1.3	Rome	81	7	2 stations	3	20†	1.07	−2.06	Salamonia	2.86	Collegeville	T.
Iowa	41.0	+6.0	3 stations	80	2†	7 stations	−4	19	0.22	−1.29	Waverly	0.95	Lake Park	0.00
Kansas	48.3	+5.2	Manhattan	88	3	2 stations	4	19	0.13	−1.07	Chanute	1.86	17 stations	0.00
Kentucky	46.9	+0.9	Earlington	83	2	4 stations	5	20	1.23	−2.36	Weeksbury	2.52	Irvington	0.68
Louisiana	58.2	−0.6	Robeline	92	6	Antioch	17	20	5.25	+1.70	Lakeside	10.70	Lafayette	2.23
Maryland and Delaware.	44.5	−0.3	Cambridge, Md	82	4	Deer Park, Md	0	24	2.03	−0.45	Emmitsburg, Md	3.43	Chewsville, Md	1.04
Michigan	36.5	+1.0	Five Channels	76	1	2 stations	−12	19†	1.84	−0.74	Whitefish Point	5.07	Sandusky	0.27
Minnesota	33.0	+4.0	Fairmont	76	2	Roseau	−16	17	0.38	−0.74	Winton	1.90	5 stations	0.00
Mississippi	54.6	−0.4	2 stations	8	4†	Corinth	11	20	3.92	0.00	Woodville	6.20	Holly Bluff	1.93
Missouri	48.6	+4.0	Crocker	89	7	4 stations	2	19†	0.65	−1.84	Oakfield	2.07	4 stations	T.
Montana	37.7	+5.8	Bridger	84	2	Bowen	−19	16	0.63	−0.40	Belton	5.72	4 stations	0.00
Nebraska	42.6	+6.3	North Loup	87	6	3 stations	−7	19	0.01	−0.67	Wahoo	0.15	43 stations	0.00
Nevada	41.6	+1.5	2 stations	88	2†	Tecoma	−11	22	0.03	−0.67	Gold Creek	0.29	20 stations	0.00
New England	36.7	−0.5	Durham, N. H.	76	1	2 stations (Vt.)	−10	24	2.62	−1.32	Rockport, Mass	4.10	Burlington, Vt.	1.41
New Jersey	43.3	+0.4	3 stations	80	4	Sussex	6	24	2.60	−0.80	Charlotteburg	4.81	Atlantic City	1.21
New Mexico	44.9	+2.3	Fort Sumner	85	4	Elizabethtown	0	18†	0.31	−0.46	Plainview (near)	2.34	73 stations	0.00
New York	36.1	−0.4	Spier Falls	77	1	Indian Lake	−16	24	2.40	−0.62	Old Forge	6.03	Romulus	0.22
North Carolina	48.5	−1.0	Lumberton	83	3	Ramseur	0	21	3.68	+0.68	Highlands	10.98	Hatteras	1.63
North Dakota	30.7	+4.9	Cando	83	2	Westhope	−30	16	0.35	−0.25	Willow City	0.83	Orange	0.00
Ohio	42.1	+1.1	Upper Sandusky	80	7	Bellefontaine	5	20	1.53	−1.11	Kingsville	3.44	Chillicothe	0.40
Oklahoma	53.2	+3.3	Mutual	95	1	4 stations	14	19†	0.69	−1.37	Ravia	4.30	9 stations	0.00
Oregon	42.5	0.0	Powell Butte	76	11	Cliff	−1	21	2.40	−2.18	Astoria	11.26	3 stations	0.00
Pennsylvania	40.6	0.0	Irwin	81	4	Wellsboro	−2	24	1.76	−1.00	Edinboro	4.27	Cheat Haven	0.57
Porto Rico	76.9	+0.1	Corozal	100	11	Maricao	50	3†	8.22	+0.52	Inabon Falls	23.00	Guanica Centrale	1.93
South Carolina	52.4	−1.4	2 stations	86	5	2 stations	17	21	3.33	+0.99	Meriwether	5.89	Darlington	1.63
South Dakota	38.6	+6.1	3 stations	77	1†	Eureka	−16	19	0.04	−0.59	Timber Lake	0.70	18 stations	0.00
Tennessee	48.1	0.0	Johnsonville	88	7	Mountain City	−5	20	1.78	−1.95	Franklin (near)	4.05	New River	0.69
Texas	57.7	+0.8	San Juanito	96	8	2 stations	18	17†	3.78	+1.51	Liberty	10.91	9 stations	0.00
Utah	38.9	+1.1	Low	85	12†	3 stations	−5	20†	0.12	−0.82	Lower Mill Creek	0.59	26 stations	0.00
Virginia	45.7	−0.2	Fredericksburg	82	4	Burkes Garden	7	24	2.53	+0.11	Waynesboro	4.75	Hot Springs	0.58
Washington	41.8	+1.4	Anatone	72	1	Snyders Ranch	2	15	5.08	−0.67	Quiniault	24.29	Eltopia	0.03
West Virginia	42.6	−0.2	2 stations	84	2†	Bayard	2	22	1.32	−1.28	Martinsburg	2.27	St. Marys	0.50
Wisconsin	34.8	+2.5	Prairie du Chien	75	2	Weyerhaeuser (2)	−10	20	1.02	−0.76	Cecil	2.78	Prairie du Chien	T.
Wyoming	36.1	+3.7	Wheatland	86	5	2 stations	−13	15†	0.13	−0.49	Upper Geyser Basin.	1.05	9 stations	0.00

† Other dates also.

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

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

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 night time.

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, November, 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.							39.2	− 0.1										70	2.54	− 1.0										6.0		
Eastport	76	67	85	29.90	29.98	− .03	35.6	− 1.2	58	1	44	12	18	28	33	32	28	75	2.78	− 1.3	10	8,704	sw.	55	ne.	20	5	11	14	6.8	4.5	....
Greenville	1,070	6	....	28.78	29.98	.....	28.4	.....	59	1	37	2	19	20	33	....	....	....	2.10	.....	9	.....	se.	....	....	....	....	....	....	....	9.7	....
Portland, Me.	103	82	117	29.91	30.03	− .01	36.6	− 1.0	72	1	43	14	23	28	34	32	25	66	3.17	− 0.6	9	7,728	sw.	48	se.	16	12	4	14	5.5	7.4	....
Concord	288	70	79	29.73	30.03	− .01	35.0	− 1.8	73	1	45	11	23	25	44	....	....	....	2.27	− 1.1	8	4,271	nw.	30	w.	17	12	6	12	5.3	8.8	2.0
Burlington	404	11	48	29.56	30.01	− .04	33.1	+ 0.2	65	1	42	7	24	26	31	....	....	....	1.41	− 1.2	13	10,125	s.	46	s.	24	3	9	18	7.5	14.9	T.
Northfield	876	12	60	29.06	30.03	− .02	31.5	− 0.5	69	1	41	− 6	24	22	43	28	25	79	2.90	+ 0.3	12	6,228	s.	37	sw.	4	4	7	19	7.4	14.7	T.
Boston	125	115	188	29.90	30.04	− .01	42.7	+ 1.5	74	1	51	20	24	35	28	38	32	69	2.72	− 1.4	6	8,494	w.	43	ne.	19	7	11	12	5.8	T.	....
Nantucket	12	14	90	30.04	30.05	.00	44.4	− 0.8	63	1	51	22	24	38	24	41	36	74	2.32	− 1.0	8	12,835	w.	52	ne.	19	8	14	8	5.5	T.	....
Block Island	26	11	46	30.02	30.05	− .01	44.2	− 1.1	62	2	50	24	23	39	18	41	35	71	2.72	− 1.2	5	16,010	sw.	58	ne.	19	8	6	16	6.4	T.	....
Narragansett Pier	....	9	....	.....	.....	.....	42.2	− 0.1	64	2	51	16	24	34	28	....	....	....	2.59	.....	7	.....	sw.	....	....	....	17	5	8	....	....	....
Providence	160	215	251	29.88	30.06	− .01	40.8	+ 0.4	70	1	49	18	24	33	29	36	30	66	1.96	− 1.9	8	10,269	nw.	50	nw.	2	11	12	7	5.0	T.	....
Hartford	159	122	140	29.89	30.07	− .01	41.0	+ 1.5	72	4	49	20	23	33	29	35	29	66	2.38	− 1.4	7	6,273	sw.	46	sw.	13	8	12	10	5.8	4.5	....
New Haven	106	117	155	29.95	30.07	.00	42.6	+ 1.3	71	4	51	19	24	34	27	36	30	65	3.28	− 0.3	7	7,572	n.	40	n.	19	12	8	10	4.8	1.4	....
Middle Atlantic States.							44.3	+ 0.5										65	1.91	− 1.0										4.8		
Albany	97	102	115	29.95	30.06	− .02	38.1	− 0.3	71	4	46	13	24	30	30	33	28	70	2.19	− 0.6	10	5,627	s.	42	s.	13	7	9	14	6.5	7.9	T.
Binghamton	871	10	69	29.11	30.06	− .03	38.2	+ 0.6	66	4	46	8	24	30	29	....	....	....	1.10	− 1.2	14	4,377	nw.	28	nw.	13	5	13	12	6.6	4.7	....
New York	314	414	454	29.74	30.08	− .01	44.0	0.0	73	4	52	22	23	36	25	38	30	62	2.08	− 1.4	6	15,325	sw.	65	se.	15	11	9	10	5.5	....	....
Harrisburg	374	94	104	29.72	30.14	+ .03	43.2	+ 1.5	74	4	52	21	24	35	29	36	29	62	1.25	− 1.1	4	5,650	w.	34	sw.	13	7	17	6	5.2	T.	....
Philadelphia	117	123	190	29.99	30.12	+ .02	46.2	+ 1.3	76	4	54	26	21	38	29	40	33	65	1.79	− 1.3	6	8,339	sw.	36	sw.	13	18	6	6	3.9	....	....
Reading	325	81	98	29.76	30.12	.....	43.8	.....	74	4	52	23	24	35	30	37	29	62	2.14	− 1.0	3	5,742	nw.	33	e.	15	10	11	9	5.7	T.	....
Scranton	805	111	119	29.21	30.10	+ .01	40.2	+ 1.1	69	4	48	15	24	32	29	35	30	71	1.12	− 1.2	7	5,170	s.	35	sw.	13	3	17	10	6.1	3.6	....
Atlantic City	52	37	48	30.06	30.12	+ .02	46.0	+ 0.5	70	2	53	22	24	39	26	41	35	68	1.21	− 2.0	6	6,356	nw.	34	s.	15	13	10	7	4.5	....	....
Cape May	18	13	49	30.12	30.14	+ .04	47.3	− 0.1	74	4	54	24	24	40	25	....	....	....	1.76	− 1.5	7	7,311	sw.	40	se.	15	14	13	3	4.2	....	....
Trenton	190	159	183	29.89	30.10	.....	43.5	.....	76	4	52	22	24	35	31	37	31	67	1.62	− 1.8	6	9,506	sw.	46	sw.	13	13	10	7	4.8	T.	....
Baltimore	123	100	113	30.00	30.14	+ .03	47.0	+ 1.2	79	4	56	26	21	38	31	40	32	61	2.18	− 0.7	3	5,367	sw.	37	n.	8	16	7	7	4.1	....	....
Washington	112	62	85	30.00	30.13	+ .01	45.4	+ 0.4	79	4	56	20	24	35	32	39	32	66	2.06	− 0.6	4	5,186	nw.	38	nw.	16	15	5	10	4.4	....	....
Lynchburg	681	153	188	29.39	30.14	+ .01	46.6	+ 0.5	79	4	58	16	24	35	38	39	31	61	2.31	− 0.5	6	5,692	w.	30	nw.	20	14	10	6	5.1	....	....
Mount Weather	1,725	10	75	28.24	30.11	− .01	41.4	+ 1.0	74	4	50	16	21	33	34	35	27	59	2.39	− 0.5	4	14,503	w.	74	nw.	16	11	12	7	5.4	....	....
Norfolk	91	170	205	30.05	30.15	+ .04	51.0	− 0.2	77	4	59	25	21	43	27	44	38	67	2.62	− 0.1	3	9,734	sw.	38	se.	15	17	3	10	4.2	....	....
Richmond	144	11	52	29.99	30.15	+ .03	48.0	− 0.8	80	4	59	21	24	37	33	40	33	63	2.20	− 0.2	6	5,936	sw.	40	sw.	8	17	6	7	3.5	....	....
Wytheville	2,293	40	47	27.75	30.19	+ .06	41.8	− 1.2	70	4	52	12	21	32	37	35	30	73	2.51	− 0.5	6	4,372	w.	24	nw.	16	21	4	5	2.7	1.5	....
South Atlantic States.							53.8	− 0.3										69	3.42	+ 0.4										4.1		
Asheville	2,255	70	84	27.79	30.20	+ .06	44.1	− 1.0	72	7	56	9	20	32	35	37	32	70	4.06	+ 0.8	8	5,323	nw.	40	e.	14	18	4	8	4.0	1.3	....
Charlotte	773	68	76	29.31	30.16	+ .03	50.5	+ 0.1	77	4	60	19	21	41	33	42	35	63	2.45	− 0.4	6	4,651	sw.	27	ne.	29	15	6	9	4.5	T.	....
Hatteras	11	12	50	30.12	30.13	+ .02	55.6	− 1.1	75	8	62	32	21	49	22	51	47	76	1.63	− 3.0	6	10,237	n.	56	se.	15	13	7	10	4.7	....	....
Manteo	12	4	46	.....	.....	.....	51.0	.....	79	4	63	27	22	39	....	....	....	....	2.66	− 2.0	6	.....	sw.	....	....	....	20	3	7	....	....	....
Raleigh	376	103	110	29.74	30.16	+ .03	50.8	+ 0.6	78	4	61	17	21	41	33	42	34	60	3.38	+ 1.0	5	5,600	ne.	25	ne.	9	18	4	8	3.7	3.6	....
Wilmington	78	81	91	30.07	30.16	+ .04	54.4	+ 0.3	79	3	64	24	21	44	31	47	41	70	3.30	+ 0.8	5	5,044	w.	29	e.	14	18	6	6	3.4	T.	....
Charleston	48	11	92	30.09	30.14	+ .02	57.0	− 1.1	79	5	65	27	21	49	26	50	45	70	2.34	− 0.5	6	7,730	n.	38	ne.	28	19	5	6	3.4	....	....
Columbia, S. C.	351	41	57	29.77	30.16	+ .04	53.3	− 0.5	81	5	65	22	21	42	36	44	36	60	3.48	+ 1.2	6	4,508	ne.	25	w.	20	20	2	8	3.4	....	....
Augusta	180	89	97	29.96	30.16	+ .03	53.4	− 0.5	81	5	66	21	20	41	36	46	42	76	4.92	+ 2.0	7	3,941	nw.	37	w.	19	17	4	9	4.6	....	....
Savannah	65	150	194	30.07	30.14	+ .02	58.0	+ 0.5	80	3	67	24	20	49	26	50	45	70	5.55	+ 3.2	8	9,023	ne.	48	nw.	20	15	6	9	4.3	....	....
Jacksonville	43	96	129	30.07	30.12	+ .02	61.1	− 0.2	83	5	70	29	21	53	26	54	51	76	3.87	+ 1.7	7	6,584	ne.	30	w.	20	14	6	10	4.6	....	....
Florida Peninsula.							69.0	− 0.4										76	3.81	+ 1.6										6.2		
Key West	22	10	64	30.00	30.02	.00	73.0	− 1.3	85	15	77	55	21	69	15	67	65	79	2.33	0.0	10	8,477	ne.	34	n.	20	8	9	13	6.2	....	....
Miami	25	71	79	30.01	30.04	.....	70.6	− 1.4	82	9	75	36	21	66	25	65	61	73	7.06	+ 4.5	10	8,563	ne.	31	ne.	24	6	8	16	7.1	....	....
Sand Key	23	39	72	29.96	29.99	− .03	73.3	.....	83	15	76	55	21	71	10	68	65	76	3.20	.....	10	14,539	ne.	42	nw.	20	8	9	13	6.2	....	....
Tampa	35	79	96	30.04	30.08	.00	66.2	+ 0.8	82	8	75	32	21	58	28	59	55	75	2.05	+ 0.3	7	5,512	ne.	30	nw.	20	6	13	11	6.1	....	....
Titusville	44	6	....	30.03	30.08	.....	66.4	+ 0.5	84	15	74	30	21	59	29	....	....	....	1.05	.....	10	.....	nw.	....	....	....	9	13	8	5.3	....	....
East Gulf States.							55.8	0.0										71	2.89	+ 1.3										4.6		
Atlanta	1,174	190	216	28.90	30.16	+ .03	52.4	− 0.5	75	5	61	14	20	44	31	44	35	59	4.89	+ 1.5	7	7,920	nw.	48	nw.	20	15	6	9	4.4	T.	....
Macon	370	78	87	29.74	30.15	+ .02	53.3	0.0	79	5	65	19	20	42	37	46	41	75	3.87	+ 0.8	7	3,996	nw.	35	nw.	19	19	1	10	4.0	....	....
Thomasville	273	8	57	29.82	30.13	+ .01	58.1	− 0.4	82	3	70	23	21	46	37	49	46	78	1.89	− 0.8	7	3,531	ne.	24	nw.	19	14	7	9	4.6	....	....
Pensacola	56	140	182	30.05	30.11	.00	59.3	− 0.3	80	5	67	27	20	52	25	53	48	71	13.53	+ 9.8	7	9,156	ne.	62	se.	27	10	10	10	5.1	....	....
Anniston	741	9	57	29.37	30.18	+ .06	51.0	− 0.9	78	5	62	14	20	38	37	....	....	....	3.20	− 0.2	7	3,961	se.	43	e.	28	16	7	7	3.8	T.	....
Birmingham	700	11	48	29.40	30.18	+ .06	53.0	− 1.1	79	5	64	14	20	42	37	44	36	61	2.28	− 1.1	7	3,908	e.	28	nw.	19	16	7	7	4.2	....	....
Mobile	57	125	161	30.05	30.11	.00	59.0	+ 1.5	82	5	68	28	20	50	28	48	48	73	10.23	+ 6.5	8	6,313	n.	48	e.	14	11	11	8	4.7	....	....
Montgomery	223	100	112	29.90	30.15	+ .03	55.0	− 0.7	81	5	65	18	20	45	35	47	40	65	3.77	+ 0.6	8	4,357	ne.	36	nw.	19	13	9	8	4.7	....	....
Meridian	375	85	93	29.73	30.14	+ .02	54.0	+ 0.8	79	6	65	20	20	43	37	47	44	77	2.14	− 2.0	7	3,260	e.	31	w.	19	14	5	11	5.4	....	....
Vicksburg	247	65	74	29.85	30.14	+ .02	57.1	+ 1.2	83	6	66	23	20	48	32	50	45	72	2.30	− 1.9	9	4,446	e.	32	e.	27	13	3	14	5.2	....	....
New Orleans	51	90	121	30.04	30.09	− .01	61.2	+ 0.6	82	8	68	34	20	55	29	55	52	77	4.65	+ 0.9	9	5,760	ne.	37	ne.	27	9	13	8	5.0	....	....
West Gulf States.							58.4	+ 2.0										74	3.82	+ 0.7										5.5		
Shreveport	249	77	93	29.86	30.13	+ .02	56.8	+ 1.5	82	6	66	28	20	47	38	49	44	71	3.61	− 0.5	7	4,050	se.	35	nw.	19	15	3	12	4.9	....	....
Bentonville	1,303	11	44	28.74	30.13	+ .02	52.0	+ 5.3	80	5	63	16	20	41	33	....	....	....	0.49	− 2.5	3	3,655	s.	18	n.	15	15	4	11	4.6	....	....
Fort Smith	457	79	94	29.63	30.12	+ .01	54.4	+ 4.5	83	4	65	18	20	44	40	45	38	61	0.65	− 2.6	3	4,628	e.	28	nw.	19	16	5	9	4.3	....	....
Little Rock	357	139	147	29.76	30.15	+ .03	54.2	+ 2.7	80	6	64	21	20	44	35	47	40	66	2.36	− 2.2	5	5,325	s.	34	n.	15	14	6	10	4.8	....	....
Brownsville	57	3	40	....	.....	.....	67.2	.....	85	1	76	47	20	59	30	....	....	....	5.13	.....	14	.....	e.	....	....	....	....	....	....	....	....	....
Corpus Christi	20	69	77	30.06	30.08	+ .01	65.0	+ 1.6	81	8	71	45	19	59	21	61	59	86	3.17	+ 0.8	11	5,924	n.	32	n.	15	4	11	15	6.9	....	....
Dallas	512	109	117	29.56	30.12	.....	57.4	.....	83	5	67	30	20	48	40	....	....	....	4.80	.....	8	5,348	se.	30	e.	12	10	11	9	5.3	....	....
Fort Worth	670	106	114	29.38	30.10	.00	57.1	+ 2.0	83	4	66	30	20	48	44	50	46	73	6.44	+ 4.9	9	5,753	s.	25	nw.	15	10	10	10	5.4	....	....
Galveston	54	106	114	30.04	30.10	+ .01	63.1	+ 0.2	75	3	67	45	20	59	14	59	55	79	9.19	+ 5.2	10	8,470	e.	34	e.	25	11	9	10	5.4	....	....
Houston	138	111	121	29.93	30.08	.....	61.8	+ 0.5	81	7	70	39	20	54	26	....	....	....	7.83	.....	10	5,581	e.	29	se.	12	8	7	15	6.2	....	....
Palestine	510	64	72	29.56	30.10	− .01	57.8	+ 0.9	80	3	66	30	20	49	32	52	48	79	4.91	+ 1.3	9	4,155	ne.	26	n.	8	10	8	12	5.8	....	....
San Antonio	701	109	132	29.36	30.09	+ .01	61.2	+ 2.0	81	5	69	38	17	53	27	55	51	79	3.24	+ 1.5	9	3,723	ne.	33	n.	27	8	11	11	5.9	....	....
Taylor	582	55	63	29.50	30.12	+ .04	58.8	+ 1.1	81	5	68	32	20	50	36	....	....	....	4.17	+ 1.5	8	4,774	nw.	23	nw.	27	5	12	13	6.3	....	....

TABLE I.—*Climatological data for United States Weather Bureau stations, November, 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.							**46.6**	**+ 1.6**										**64**	**1.45**	**− 2.0**										**4.6**		
Chattanooga	762	189	213	29.36	30.19	+ .05	50.1	− 0.2	79	4	61	12	20	39	35	42	34	62	3.21	− 0.4	8	4,860	n.	37	nw.	19	13	9	8	4.3	0.5	....
Knoxville	996	93	100	29.10	30.18	+ .05	47.8	+ 0.7	76	4	59	13	29	36	35	41	36	71	1.29	− 2.3	7	3,350	ne.	27	nw.	19	13	8	9	4.6	0.9	....
Memphis	399	76	97	29.75	30.19	+ .07	53.6	+ 2.2	80	6	63	16	20	45	27	46	39	62	2.05	− 2.5	6	5,115	s.	47	nw.	15	18	2	10	4.1	T.	....
Nashville	546	168	191	29.59	30.19	+ .07	49.6	+ 0.9	73	6	61	10	20	38	39	42	34	69	2.13	− 1.7	6	5,311	sw.	42	nw.	15	16	5	9	4.2	T.	....
Lexington	989	75	102	29.07	30.16	+ .04	45.7	+ 1.0	75	7	59	8	20	36	29	....	....	....	1.62	− 1.9	6	7,837	sw.	38	nw.	15	16	6	8	4.2	T.	....
Louisville	525	219	255	29.58	30.16	+ .04	48.5	+ 2.2	77	7	58	10	20	39	30	41	35	65	0.75	− 3.4	4	8,723	s.	38	nw.	15	17	4	9	4.5	T.	....
Evansville	431	72	82	29.68	30.16	+ .04	49.5	+ 3.9	78	7	5	12	20	40	33	41	34	63	0.65	− 3.5	4	5,051	s.	27	sw.	12	17	7	6	4.1	T.	....
Indianapolis	822	154	164	29.22	30.13	+ .03	44.	+ 2.7	74	7	54	8	20	35	31	37	36	64	1.45	− 2.1	6	7,723	sw.	31	sw.	10	16	5	9	4.9	T.	....
Terre Haute	575	96	129	29.43	30.12	.....	46.0	.....	77	7	56	10	20	36	35	39	32	66	1.39	.....	5	7,094	sw.	34	nw.	15	6	18	6	5.4	T.	....
Cincinnati	628	152	169	29.45	30.14	+ .02	46.7	+ 2.1	77	7	57	11	20	37	34	39	31	59	1.29	− 2.0	4	5,305	sw.	25	w.	15	16	8	6	4.2	T.	....
Columbus	824	173	222	29.21	30.13	+ .02	42.9	+ 1.5	74	7	52	11	20	33	30	37	32	70	1.99	− 1.1	5	9,542	sw.	42	nw.	15	12	7	11	4.6	T.	....
Dayton	890	181	216	29.13	30.11	....	44.8	+ 1.7	76	7	53	11	20	34	29	37	31	67	1.11	− 1.8	5	8,217	sw.	34	nw.	15	17	7	6	3.6	T.	....
Pittsburgh	842	353	410	29.20	30.12	+ .02	42.9	0.0	72	7	51	18	21	34	34	37	30	64	1.35	− 1.2	7	9,738	sw.	47	sw.	13	5	13	12	6.2	4.0	....
Elkins	1,949	41	50	28.06	30.18	+ .06	41.4	+ 1.8	71	3	5	8	24	30	43	34	27	64	0.73	− 2.1	7	3,968	w.	21	se.	29	12	7	11	5.2	4.0	....
Parkersburg	638	77	84	29.49	30.16	+ .04	45.4	+ 2.2	76	7	56	16	20	35	38	38	32	66	0.80	− 2.0	6	4,502	sw.	32	nw.	16	15	7	8	4.3	0.8	....
Lower Lake Region.							**39.9**	**+0.8**										**71**	**1.65**	**−1.4**										**6.9**		
Buffalo	767	247	280	29.18	30.03	−.02	40.0	+0.7	64	7	46	19	18	33	26	36	33	80	1.81	−1.5	13	16,425	nw.	84	sw.	13	2	11	17	7.6	2.6	....
Canton	448	10	61	29.51	30.00	.....	34.6	+0.7	64	1	43	4	23	26	35	....	....	....	2.31	−1.1	13	9,701	sw.	60	w.	4	8	6	16	6.9	10.3	....
Oswego	335	76	91	29.04	30.02	−.03	38.5	−0.6	67	1	46	14	18	31	28	35	30	73	3.05	−0.4	16	10,012	nw.	43	nw.	13	2	8	20	7.7	13.6	....
Rochester	523	97	113	29.46	30.05	.00	33.6	+1.7	68	1	47	17	24	32	28	34	29	69	1.40	−1.4	14	8,445	w.	44	w.	13	4	7	19	7.3	4.7	....
Syracuse	597	97	113	29.39	30.05	−.01	38.6	−0.1	66	1	46	15	18	31	29	34	28	70	1.05	−1.6	15	10,555	sw.	50	w.	13	3	9	18	7.3	6.3	....
Erie	714	92	102	29.26	30.05	−.01	41.7	+0.6	72	7	49	19	20	35	36	36	30	67	2.21	−1.4	15	11,362	s.	43	se.	15	2	9	19	7.6	10.5	....
Cleveland	762	190	201	29.24	30.08	+.01	41.8	+1.4	75	7	50	18	20	34	38	36	30	65	1.34	−1.4	8	12,617	sw.	50	w.	13	3	8	19	7.5	0.7	....
Sandusky	629	62	103	29.39	30.08	.00	41.6	+0.8	74	7	50	14	20	33	31	37	32	72	0.98	−1.8	8	11,295	sw.	48	w.	13	9	7	14	6.1	0.6	....
Toledo	628	208	216	29.33	30.09	+.02	41.6	+1.9	71	7	50	16	20	33	32	37	32	74	0.68	−2.0	8	12,913	sw.	55	w.	13	12	7	11	5.2	0.6	....
Fort Wayne	856	113	124	29.15	30.10	.....	41.4	+0.8	70	7	51	11	19	32	27	36	31	72	0.75	.....	6	8,344	sw.	38	sw.	13	12	6	12	5.4	0.4	....
Detroit	730	218	245	29.25	30.06	.00	39.6	+1.0	68	7	47	16	20	32	27	35	30	74	1.65	−1.0	11	11,193	w.	48	w.	13	6	9	15	6.8	0.7	....
Upper Lake Region.							**38.3**	**+1.7**										**73**	**1.74**	**−0.7**										**6.7**		
Alpena	609	13	92	29.30	29.98	−.03	34.6	+0.9	67	1	42	9	19	28	25	32	28	81	2.10	−0.5	16	10,402	w.	52	se.	3	3	14	13	6.8	9.2	....
Escanaba	612	54	60	29.30	29.98	−.05	34.0	+0.3	66	26	41	6	18	27	33	30	25	73	1.85	−0.4	12	7,848	nw.	31	ne.	13	6	7	17	6.7	2.8	....
Grand Haven	632	54	92	29.33	30.03	−.01	40.0	+0.2	61	3	46	17	18	34	22	36	32	73	1.94	−0.6	11	11,624	w.	53	w.	17	10	5	15	5.9	11.0	....
Grand Rapids	707	70	87	29.26	30.01	−.01	39.6	+1.5	64	3	46	18	20	33	22	35	31	75	1.47	−1.1	11	5,823	w.	28	w.	11	3	9	18	7.4	9.2	....
Houghton	684	62	72	29.20	29.91	−.08	32.4	+0.9	61	1	39	3	18	26	28	....	....	....	2.60	−0.2	16	8,515	nw.	43	nw.	17	1	7	22	8.4	11.0	....
Lansing	878	11	62	29.08	30.01	.....	37.6	+0.8	65	3	47	11	19	28	27	33	29	80	1.40	−1.0	13	5,986	sw.	30	nw.	4	11	5	14	5.7	3.5	....
Ludington	637	60	66	29.30	30.00	.....	38.0	.....	58	3	44	18	19	32	23	37	34	85	1.28	.....	12	10,500	nw.	44	sw.	18	5	8	17	7.1	3.6	....
Marquette	734	77	111	29.17	29.99	−.03	33.7	+1.8	64	26	40	1	18	27	34	30	25	73	2.43	−0.4	18	9,285	w.	42	w.	4	1	4	25	8.8	13.4	....
Port Huron	638	70	120	29.32	30.03	−.02	37.7	+0.9	67	7	46	9	20	29	32	34	30	77	1.18	−1.5	9	9,936	w.	44	w.	13	5	11	14	6.7	0.3	....
Saginaw	641	48	82	29.32	30.03	.....	37.4	.....	64	26	45	11	19	29	26	34	31	83	1.53	−0.8	10	8,666	w.	36	w.	4	8	8	14	6.6	1.4	....
Sault Ste. Marie	614	11	61	29.25	29.96	−.05	31.5	+0.8	63	1	37	8	20	29	25	29	27	84	4.08	+1.2	20	8,800	nw.	46	nw.	17	1	5	24	8.8	20.3	T.
Chicago	823	140	310	29.17	30.07	.00	44.4	+5.2	71	1	51	12	20	37	28	38	31	62	0.33	−2.2	6	10,006	w.	34	s.	2	17	3	10	4.2	T.	....
Green Bay	617	103	144	29.33	30.01	−.03	35.8	+3.3	65	1	43	10	19	28	27	31	26	72	1.78	−0.2	8	9,506	w.	37	w.	4	7	13	10	6.4	3.3	....
Milwaukee	681	119	133	29.29	30.04	−.01	40.4	+4.3	68	1	48	8	19	33	29	35	29	68	0.47	−1.5	6	8,576	w.	35	e.	12	9	11	10	5.5	0.2	....
Duluth	1,133	11	47	28.76	30.01	−.03	29.8	+0.5	54	3	37	− 4	19	23	23	27	23	80	1.15	−0.4	7	10,425	w.	46	w.	21	8	13	9	5.5	4.6	....
North Dakota.							**31.9**	**+7.4**										**74**	**0.40**	**−0.4**										**5.1**		
Moorhead	940	8	57	29.01	30.06	−.01	31.1	+6.7	64	2	41	− 6	17	21	40	27	24	80	0.36	−0.6	2	7,333	nw.	32	w.	3	15	8	7	4.0	3.2	....
Bismarck	1,674	8	57	28.26	30.00	+.02	34.6	+8.6	67	1	46	− 9	19	23	33	28	23	72	0.42	−0.3	1	7,845	nw.	46	nw.	3	13	11	6	4.5	3.2	....
Devils Lake	1,482	11	44	28.38	30.01	−.05	29.0	+6.4	63	2	39	−14	19	19	36	24	21	80	0.57	−0.1	5	9,016	w.	40	w.	6	8	13	9	5.7	4.5	....
Williston	1,872	40	47	27.99	30.02	−.01	32.9	+7.7	62	2	45	− 7	17	21	48	27	21	66	0.24	−0.4	4	5,256	sw.	50	nw.	2	5	13	12	6.3	0.6	....
Upper Mississippi Valley.							**42.9**	**+5.2**										**68**	**0.48**	**−1.5**										**4.4**		
Minneapolis	918	10	208	29.02	30.03	.....	36.0	.....	66	2	44	− 1	19	28	31	....	....	....	0.19	−1.0	3	9,514	nw.	39	nw.	4	12	5	13	5.3	0.4	....
St. Paul	837	201	236	29.12	30.05	−.01	36.0	+5.1	66	2	44	0	19	28	31	....	....	....	0.48	−0.8	4	9,940	nw.	48	nw.	4	10	12	8	5.2	0.6	....
La Crosse	714	11	48	29.37	30.06	−.01	37.6	+3.8	68	3	46	2	19	29	30	....	....	....	0.67	−0.8	7	4,544	w.	24	w.	3	9	9	12	5.6	0.1	....
Madison	974	70	78	28.99	30.07	+.01	38.2	+4.0	66	3	46	3	19	30	30	33	27	67	0.70	−1.1	6	8,354	nw.	35	s.	23	9	11	10	5.6	T.	....
Charles City	1,015	10	49	28.98	30.08	.00	37.2	+4.2	70	2	48	0	19	26	34	32	29	81	0.37	−1.0	3	5,357	nw.	25	s.	2	11	13	6	4.5	T.	....
Davenport	606	71	79	29.42	30.09	+.01	43.0	+5.5	72	3	53	5	19	33	32	36	30	67	0.24	−1.5	5	5,818	nw.	26	nw.	16	16	6	8	3.9	T.	....
Des Moines	861	84	97	29.16	30.08	.00	43.2	+6.4	76	2	54	3	19	33	34	37	30	64	0.35	−1.1	5	5,436	nw.	26	sw.	2	10	12	8	4.8	T.	....
Dubuque	698	81	96	29.32	30.09	+.02	40.6	+4.6	69	3	50	4	19	32	30	34	28	65	0.21	−1.6	4	5,227	nw.	28	nw.	18	12	11	7	4.4	T.	....
Keokuk	614	64	78	29.43	30.12	+.03	45.1	+5.7	77	6	55	6	19	35	35	39	34	72	0.41	−1.4	3	5,449	s.	30	nw.	16	20	6	4	3.4	T.	....
Cairo	356	87	93	29.76	30.15	+.03	51.1	+4.2	80	7	61	11	20	41	33	43	36	64	0.64	−3.4	5	5,600	s.	37	nw.	15	19	4	7	3.8	0.3	....
Peoria	609	11	45	29.44	30.11	+.02	43.4	+5.9	73	3	54	7	20	32	34	36	31	70	0.20	−2.4	4	5,472	s.	25	w.	18	14	11	5	4.3	T.	....
Springfield, Ill.	644	10	91	29.42	30.12	+.02	46.2	+5.5	74	6	56	10	20	37	28	38	32	65	0.49	−2.2	6	6,348	w.	29	nw.	16	15	8	7	4.4	T.	....
Hannibal	534	74	109	29.54	30.13	+.04	48.2	+5.7	80	6	58	8	19	35	37	....	....	....	0.17	−1.8	4	6,791	sw.	29	w.	21	21	6	3	3.0	T.	....
St. Louis	567	265	303	29.51	30.12	+.02	50.3	+6.9	80	6	59	13	19	41	30	43	37	65	1.53	−1.4	5	9,499	sw.	40	sw.	18	21	4	5	3.2	T.	....
Missouri Valley.							**45.0**	**+ 7.5**										**60**	**0.16**	**− 1.1**										**3.6**		
Columbia, Mo.	781	11	84	29.28	30.13	+ .04	48.1	+ 5.7	80	6	59	9	19	37	36	....	....	....	0.32	− 2.0	3	5,824	s.	30	w.	18	18	5	7	3.5	T.	....
Kansas City	963	161	181	29.07	30.12	+ .03	50.2	+ 8.7	80	6	60	9	19	41	29	41	33	57	0.26	− 1.6	3	8,514	sw.	40	nw.	16	22	6	2	2.3	T.	....
St. Joseph	967	11	49	29.06	30.12	.....	48.4	.....	81	2	59	7	19	37	34	40	32	62	0.10	.....	3	5,809	sw.	37	nw.	18	21	6	3	2.9	0.1	....
Springfield, Mo.	1,324	93	104	28.72	30.14	+ .04	50.6	+ 5.2	76	2	60	13	19	42	32	42	35	63	0.71	− 1.9	4	6,723	s.	29	nw.	15	16	9	5	3.5	0.6	....
Iola	984	11	50	29.07	30.13	+ .04	49.5	+ 6.5	80	6	62	14	19	37	37	....	....	....	0.43	− 1.0	1	4,673	s.	26	n.	19	20	6	4	2.7	....	....
Topeka	983	85	101	.....	.....	.....	49.0	+ 7.3	81	2	61	9	19	38	36	....	....	....	0.08	− 1.2	1	6,452	sw.	31	n.	15	21	6	3	2.6	T.	....
Lincoln	1,189	11	84	28.81	30.11	+ .03	44.8	+ 6.8	79	6	58	4	19	32	44	37	30	62	0.04	− 0.8	2	6,414	s.	35	nw.	18	18	9	3	3.0	....	....
Omaha	1,105	115	121	28.99	30.11	+ .03	45.4	+ 7.7	80	6	56	1	19	34	39	37	28	56	0.03	− 1.0	2	5,582	nw.	33	n.	15	16	11	3	3.6	T.	....
Valentine	2,598	47	54	27.33	30.10	+ .02	40.8	+ 7.1	73	1	56	0	19	25	43	31	23	58	0.08	− 0.6	2	6,583	w.	36	s.	27	10	13	7	5.2	0.7	....
Sioux City	1,135	94	164	28.86	30.11	+ .03	41.3	+ 7.0	77	6	52	−1	19	30	40	34	26	60	0.02	− 1.0	1	8,319	nw.	40	nw.	18	13	10	7	4.5	0.2	....
Huron	1,306	59	74	28.67	30.10	+ .02	37.6	+10.2	70	2	50	−7	19	25	43	30	23	66	T.	− 0.6	0	8,184	nw.	39	w.	3	16	11	3	3.6	T.	....
Pierre	1,572	70	75	28.41	30.11	+ .03	41.3	+ 9.7	70	9	54	0	19	29	39	32	22	53	T.	− 0.4	0	6,135	nw.	37	sw.	13	12	14	4	4.4	T.	....
Yankton	1,233	49	57	28.75	30.10	+ .02	41.4	+ .9	75	6	54	−4	19	29	42	....	....	....	T.	− 0.8	0	5,456	nw.	28	nw.	18	7	18	5	5.3	T.	....

TABLE I.—*Climatological data for United States Weather Bureau stations, November, 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.							**39.1**	**+ 7.0**										**61**	**0.21**	**− 0.5**										**5.4**		
Havre	2,505	11	44	27.33	30.01	− .02	36.7	+ 6.1	68	25	48	−1	16	28	35	32	27	74	0.24	− 0.5	3	7,035	sw.	38	sw.	2	5	9	16	6.9	2.3	....
Helena	4,110	87	114	25.83	30.09	− .01	39.0	+ 6.3	62	1	48	5	16	30	27	32	25	61	0.27	− 0.4	3	5,645	sw.	43	w.	13	3	13	14	6.6	T.	....
Kalispell	2,962	11	34	26.98	30.09	+ .02	36.4	+ 3.2	55	9	43	13	16	30	27	33	30	80	1.58	− 0.3	13	2,482	nw.	27	sw.	5	4	7	19	7.8	3.6	T.
Miles City	2,371	26	48	27.51	30.11	+ .04	40.8	+ 9.9	70	25	53	7	16	28	45	33	28	68	0.18	− 0.4	5	3,305	s.	30	w.	9	19	8	3	3.5	1.1	....
Rapid City	3,259	50	58	26.63	30.11	+ .03	42.8	+ 9.2	70	5	56	6	16	29	42	34	23	50	0.04	− 0.4	1	5,930	w.	48	n.	13	7	16	7	5.7	0.5	....
Cheyenne	6,088	84	101	24.06	30.12	+ .05	41.4	+ 6.5	70	5	54	1	16	28	38	30	18	48	0.26	− 0.2	2	9,203	w.	46	w.	14	18	11	1	3.7	2.7	1.4
Lander	5,372	60	68	24.71	30.17	+ .07	37.5	+ 8.8	71	1	55	3	16	20	55	27	16	49	0.00	− 0.6	0	3,108	sw.	74	sw.	13	13	15	2	4.2	....	....
Sheridan	3,790	10	47	26.14	30.14	.....	36.6	.....	69	25	54	−10	16	19	52	28	20	62	0.08	.....	3	3,080	s.	48	nw.	13	5	14	11	6.2	1.0	....
Yellowstone Park	6,200	11	48	23.95	30.18	+ .07	33.8	+ 4.5	57	5	44	0	16	23	35	27	19	56	0.35	− 1.1	5	6,644	s.	43	s.	13	8	12	10	6.1	2.8	0.4
North Platte	2,821	11	51	27.16	30.15	+ .07	43.7	+ 8.6	80	6	61	13	16	27	48	32	23	59	T.	− 0.4	0	4,459	n.	27	n.	12	17	11	2	3.0	T.	....
Middle Slope.							**48.4**	**+ 6.6**										**58**	**0.18**	**− 0.8**										**2.7**		
Denver	5,291	129	172	24.80	30.11	+ .05	46.2	+ 7.0	75	5	61	15	16	31	41	33	19	40	0.30	− 0.2	3	5,701	sw.	28	nw.	17	21	9	0	2.2	2.9	....
Pueblo	4,685	80	86	25.37	30.14	+ .09	43.5	+ 4.2	79	5	62	16	19	25	51	31	20	48	T.	− 0.4	0	3,563	nw.	25	nw.	20	24	6	0	1.5	T.	....
Concordia	1,398	42	50	28.62	30.12	+ .04	47.5	+ 7.6	83	6	62	7	19	33	42	39	32	64	T.	− 0.9	0	4,156	sw.	22	w.	18	13	12	5	4.1	T.	....
Dodge	2,509	11	51	27.48	30.12	+ .05	48.4	+ 7.9	79	2	64	20	19	33	47	38	30	61	T.	− 0.6	0	6,194	s.	30	n.	14	21	7	2	2.4	T.	....
Wichita	1,358	139	158	28.64	30.09	+ .01	50.9	+ 7.1	78	3	62	15	19	39	47	43	35	63	0.11	− 1.1	2	8,782	s.	38	sw.	14	21	7	2	2.5	....	....
Oklahoma	1,214	10	47	28.83	30.13	+ .05	53.6	+ 5.7	82	5	65	23	20	42	37	45	40	69	0.70	− 1.6	2	8,232	s.	46	nw.	7	15	13	2	3.3	....	....
Southern Slope.							**54.0**	**+ 3.0**										**70**	**1.88**	**+ 0.7**										**4.0**		
Abilene	1,738	10	52	28.29	30.12	+ .05	55.4	+ 2.8	78	5	66	29	17	45	39	49	45	78	3.48	+ 2.2	10	4,865	s.	26	ne.	15	11	6	13	5.2	....	....
Amarillo	3,676	10	49	26.35	30.11	+ .06	50.4	+ 6.6	76	14	64	23	17	37	40	41	35	68	T.	− 1.2	0	6,069	sw.	28	s.	17	26	4	0	2.4	....	....
Del Rio	944	64	71	29.08	30.08	+ .03	59.8	+ 0.5	77	5	67	38	20	52	30	....	....	....	3.76	+ 2.6	9	4,700	se.	28	nw.	15	10	9	11	5.7	....	....
Roswell	3,566	75	85	26.45	30.10	+ .07	50.2	+ 2.1	77	7	64	23	19	36	44	42	34	63	0.30	− 0.9	4	3,783	n.	21	n.	27	21	5	4	2.7	....	....
Southern Plateau.							**52.7**	**+ 3.8**										**53**	**0.52**	**+ 0.1**										**2.4**		
El Paso	3,762	110	133	.....	30.04	.00	54.7	+ 3.8	74	7	66	34	20	44	33	....	....	....	1.13	+ 0.5	6	5,386	se.	33	n.	11	15	11	4	....	....	....
Santa Fe	7,013	57	62	23.32	30.12	+ .09	43.0	+ 4.8	63	4	55	24	19	31	30	31	19	45	T.	− 0.8	0	4,262	e.	26	n.	12	24	6	0	1.9	....	....
Flagstaff	6,908	8	57	.....	.....	.....	39.0	+ 4.4	62	12	55	14	21	23	44	....	....	....	0.10	.....	2	.....	e.	28	e.	19	19	9	2	....	1.0	....
Phoenix	1,108	76	81	28.82	29.97	− .01	63.9	+ 5.2	84	6	76	42	30	51	32	54	45	56	1.00	0.0	2	3,145	e.	26	ne.	19	19	8	3	2.9	....	....
Yuma	141	9	58	29.81	29.96	− .02	66.2	+ 4.3	90	4	80	45	30	53	33	53	43	52	0.47	+ 0.2	1	3,083	ne.	24	n.	18	27	2	1	0.9	....	....
Independence	3,910	11	42	26.05	30.07	+ .02	49.2	0.0	74	3	66	14	30	32	40	39	32	59	0.00	− 0.3	0	3,471	nw.	25	se.	27	17	9	4	3.8	....	....
Middle Plateau.							**41.0**	**+1.4**										**47**	**0.07**	**−0.8**										**2.4**		
Reno	4,532	74	81	25.57	30.17	+.05	43.4	+2.4	76	4	60	16	20	27	45	34	24	54	T.	−1.1	0	3,863	w.	44	w.	13	19	10	1	2.5	T.	....
Tonopah	6,090	12	20	24.16	30.10	.....	46.6	.....	68	4	55	20	30	38	24	34	17	32	0.00	−0.9	0	4,216	se.	24	nw.	28	22	7	1	1.8	....	....
Winnemucca	4,344	18	56	25.73	30.21	+.07	37.8	+0.3	71	5	57	5	20	18	52	28	17	53	0.02	−0.7	2	4,438	ne.	33	sw.	13	18	5	7	3.2	0.1	....
Modena	5,479	10	43	24.72	30.17	+.09	38.4	−0.6	72	4	58	6	30	19	51	26	11	40	0.00	−0.6	0	6,050	w.	34	sw.	28	20	8	2	2.2	....	....
Salt Lake City	4,360	147	189	25.76	30.19	+.07	43.4	+3.0	72	5	54	24	15	33	28	35	27	56	0.37	−1.0	2	3,815	se.	34	nw.	13	19	7	4	2.8	1.4	1.0
Durango	6,546	10	....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	.....	.....	....	.....	....	....	....	....	....	....	....	....	....	....
Grand Junction	4,602	82	96	25.51	30.14	+.06	42.2	+2.3	68	2	57	17	23	28	35	32	20	46	0.02	−0.5	1	4,059	se.	20	nw.	14	24	6	0	1.8	....	....
Northern Plateau.							**41.5**	**+2.9**										**63**	**0.59**	**−0.8**										**6.4**		
Baker	3,471	48	53	26.56	30.21	+.05	38.8	+3.9	64	5	50	15	15	28	33	32	24	58	0.16	−1.0	6	5,375	se.	31	w.	13	8	16	6	5.0	0.7	T.
Boise	2,739	78	86	27.32	30.23	+.06	41.8	+2.2	73	5	53	19	22	30	35	34	24	51	0.11	−0.8	4	2,773	nw.	29	nw.	13	8	7	15	6.3	T.	....
Lewiston	757	40	48	29.31	30.13	+.01	43.7	+2.8	64	1	52	28	22	36	26	....	....	....	1.03	−0.3	10	2,006	w.	25	w.	13	1	13	16	7.4	0.5	....
Pocatello	4,477	46	54	25.60	30.21	+.07	39.5	+3.2	68	5	53	14	16	26	39	31	23	57	0.23	−0.3	2	5,107	se.	27	sw.	28	13	13	4	3.9	1.8	0.5
Spokane	1,929	101	110	28.03	30.12	+.02	40.8	+3.5	60	8	47	23	15	34	29	37	34	78	1.03	−1.3	10	4,226	sw.	38	sw.	13	0	10	20	8.0	0.3	....
Walla Walla	1,000	57	65	29.05	30.14	+.01	44.6	+1.7	65	3	52	27	17	38	30	40	35	72	1.00	−1.1	8	3,260	s.	36	w.	13	3	7	20	7.9	0.3	....
North Pacific Coast Region.							**46.7**	**+1.6**										**86**	**7.44**	**+0.1**										**8.2**		
North Head	211	11	56	29.83	30.06	+.01	49.4	+1.7	61	20	53	38	29	46	13	48	46	88	9.49	+3.2	23	13,181	se.	84	s.	12	4	3	23	8.4	....	....
Port Crescent	259	8	53	29.75	30.03	+.03	43.4	+1.1	59	8	49	30	15	38	17	....	....	....	8.19	+0.7	24	3,999	s.	22	s.	22	1	2	27	9.0	0.3	....
Seattle	125	215	250	29.94	30.07	+.03	47.2	+2.7	59	24	52	33	18	43	17	45	43	87	5.28	−0.6	19	7,533	s.	64	sw.	13	1	5	24	8.6	T.	....
Tacoma	213	113	120	29.84	30.08	+.04	45.8	+1.7	60	24	52	28	18	40	21	44	42	85	5.45	−3.1	20	4,196	sw.	37	sw.	13	0	9	21	8.6	....	....
Tatoosh Island	109	7	57	29.89	29.99	+.02	47.6	+1.7	56	4	51	34	19	44	14	46	44	88	17.29	+5.2	27	14,179	e.	65	e.	12	2	5	23	8.5	0.1	....
Portland, Oreg.	153	68	106	29.94	30.10	.00	47.0	+1.4	64	4	52	33	19	42	22	44	42	83	3.70	−2.8	15	4,571	s.	30	sw.	1	3	7	20	7.9	....	....
Roseburg	510	9	57	29.58	30.14	+.02	46.8	+1.2	67	2	53	29	21	40	21	44	42	85	2.69	−1.7	11	1,901	s.	22	sw.	13	2	18	10	6.3	....	....
Middle Pacific Coast Region.							**55.2**	**+2.2**										**64**	**1.04**	**−2.1**										**2.9**		
Eureka	62	73	89	30.07	30.14	+.03	50.8	−0.2	66	17	58	36	14	44	27	49	47	88	2.42	−3.2	10	4,180	se.	38	se.	30	11	8	11	5.2	....	....
Mt. Tamalpais	2,375	11	18	27.62	30.09	.00	55.6	+5.0	70	20	61	36	30	51	20	46	35	51	0.95	−2.7	5	11,122	ne.	60	nw.	13	18	9	3	2.9	....	....
Point Reyes Light	490	7	18	29.51	30.03	.....	55.8	+2.8	77	19	61	45	26	50	24	....	....	....	1.48	.....	5	12,509	n.	66	s.	30	19	5	6	3.4	....	....
Red Bluff	332	50	56	29.72	30.08	−.03	55.3	+1.9	79	9	68	34	20	42	37	47	37	55	0.31	−2.9	4	3,659	nw.	27	nw.	14	19	7	4	2.6	....	....
Sacramento	69	106	117	30.00	30.07	−.02	55.6	+2.2	76	8	68	35	30	43	32	48	40	60	0.47	−1.7	4	3,740	n.	24	se.	30	27	1	2	1.6	....	....
San Francisco	155	209	213	29.91	30.08	−.01	59.0	+3.5	77	9	67	45	30	51	23	51	45	67	0.70	−1.8	6	3,649	nw.	36	se.	30	17	11	2	2.4	....	....
San Jose	141	12	110	29.92	30.07	.....	54.6	+0.2	78	9	70	33	21	39	41	....	....	....	1.36	−0.5	4	3,025	nw.	32	se.	30	25	3	2	1.9	....	....
South Pacific Coast Region.							**62.7**	**+5.6**										**58**	**0.32**	**−1.0**										**3.1**		
Fresno	327	89	98	29.71	30.08	+.02	57.4	+2.8	83	5	71	31	30	43	37	47	37	53	0.11	−0.9	1	3,603	nw.	24	nw.	14	20	8	2	2.1	....	....
Los Angeles	338	159	191	29.63	30.00	−.02	67.0	+8.6	91	4	77	48	30	57	29	54	44	55	0.20	−1.3	2	3,826	ne.	23	ne.	9	15	11	4	3.7	....	....
San Diego	87	62	70	29.88	29.97	−.05	64.4	+5.4	89	8	72	47	30	56	30	56	50	69	0.86	0.0	3	3,468	nw.	26	n.	9	18	8	4	3.2	....	....
San Luis Obispo	201	32	40	29.83	30.05	−.01	62.0	+5.7	90	3	77	37	22	47	45	50	40	54	0.12	−1.6	1	2,952	n.	24	ne.	3	17	8	5	3.3	....	....
West Indies.																																
San Juan	82	8	54	29.83	29.92	+.02	78.7	.....	89	9	84	71	11	73	15	....	....	....	9.08	+2.2	19	4,939	s.	30	e.	11	12	12	6	4.6	....	....
Panama.																																
Balboa Heights	118	7	97	29.73	29.85	.....	80.1	.....	91	15	86	71	1	74	17	75	75	94	10.35	−0.1	24	4,392	nw.	29	ne.	17	0	13	17	7.5	....	....
Colon	25	5	71	29.82	29.85	.....	79.9	.....	86	2	84	74	1	76	11	77	76	88	18.35	−3.3	23	5,287	w.	28	w.	24	5	13		6.4	....	....

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 November, 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.	12			1.17														0.38			
Albany, N. Y.	15			0.52														.13			
Alpena, Mich.	15-16			0.59														*			
Amarillo, Tex.	25			T														T			
Anniston, Ala.	15			0.86														.56			
Asheville, N. C.	30			1.24														.36			
Atlanta, Ga.	14-15	10.05 p. m.	6.05 a. m.	1.53	3.33 a. m.	2.56 a. m.	.38	.10	.37	.65	.85	.90									
Atlantic City, N. J.	15			0.48														.24			
Augusta, Ga.	14			1.45														.35			
Baker, Oreg.	13-14			0.08														*			
Baltimore, Md.	15			2.12														.30			
Bentonville, Ark.	8			0.44														*			
Binghamton, N. Y.	16			0.13														.10			
Birmingham, Ala.	29			0.61														.14			
Bismarck, N. Dak.	12			0.42														*			
Block Island, R. I.	19			1.28														.46			
Boise, Idaho	28			0.05														.04			
Boston, Mass.	19			1.66														.32			
Buffalo, N. Y.	15			0.92														.16			
Burlington, Vt.	19			0.68														*			
Cairo, Ill.	28			0.49														.20			
Canton, N. Y.	15-16			0.91														*			
Charles City, Iowa	29-30			0.24														*			
Charleston, S. C.	14			1.68														.60			
Charlotte, N. C.	8-9			0.59														.28			
Chattanooga, Tenn.	8	1.26 p. m.	8.22 p. m.	0.62	2.12 p. m.	2.27 p. m.	.05	.10	.30	.37											
Cheyenne, Wyo.	29			0.24														*			
Chicago, Ill.	24			0.08														.07			
Cincinnati, Ohio	15			0.53														.19			
Cleveland, Ohio	8			0.74														.14			
Columbia, Mo.	7			0.25														.13			
Columbia, S. C.	30			1.16														.37			
Columbus, Ohio	30			0.54														.22			
Concord, N. H.	15-16			0.98														.21			
Concordia, Kans.	7, 18, 30			T														T			
Corpus Christi, Tex.	2	2.40 p. m.	6.20 p. m.	1.19	3.23 p. m.	4.17 p. m.	.07	.06	.13	.21	.24	.27	.32	.41	.64	.82	.95	1.08			
Davenport, Iowa	15			0.10														*			
Dayton, Ohio	8			0.54														.13			
Del Rio, Tex.	1	2.20 a. m.	8.35 a. m.	2.61	3.42 a. m.	4.57 a. m.	.24	.13	.32	.36	.51	.58	.78	.94	1.06	1.22	1.28	1.57	1.88		
Denver, Colo.	14			0.28														*			
Des Moines, Iowa	14			0.28														.11			
Detroit, Mich.	3			0.34														.25			
Devils Lake, N. Dak.	11-12			0.33														*			
Dodge City, Kans.	16			T.														T.			
Do.	29			T.														T.			
Dubuque, Iowa	14-15			0.18														.12			
Duluth, Minn.	2			0.20														.19			
Durango, Colo.																					
Eastport, Me.	13			0.58														.34			
Elkins, W. Va.	16			0.23														.08			
El Paso, Tex.																					
Erie, Pa.	20-21			0.50														*			
Escanaba, Mich.	2			0.35														.28			
Eureka, Cal.	27			0.82														.21			
Evansville, Ind.	29			0.39														.08			
Flagstaff, Ariz.	29			0.09														*			
Fort Smith, Ark.	8			0.24														.17			
Fort Wayne, Ind.	8			0.38														.08			
Fort Worth, Tex.	26			3.06														.54			
Fresno, Cal.	1			0.11														.10			
Galveston, Tex.	12-13	6.30 a. m.	D. N. a. m.	1.89	9.54 p. m.	10.39 p. m.	.91	.05	.26	.35	.49	.59	.64	.71	.76	.81					
Do.	24	8.15 p. m.[1]	8.55 a. m.[2]	6.78	11.20 a. m.	12.20 p. m.	.98	.07	.15	.18	.25	.31	.35	.42	.45	.58	.72	.94			
					1.14 p. m.	1.54 p. m.	2.24	.06	.13	.19	.32	.47	.53	.56	.61						
Grand Haven, Mich.	3			0.18														.18			
Grand Junction, Colo.	29			0.02														.01			
Grand Rapids, Mich.	3			0.23														.22			
Green Bay, Wis.	2			0.35														.35			
Hannibal, Mo.	7-8			0.13														.08			
Harrisburg, Pa.	15			1.03														.18			
Hartford, Conn.	15-16			1.21														*			
Hatteras, N. C.	14			0.47														.27			
Havre, Mont.	13-14			0.22														*			
Helena, Mont.	12-13			0.23														*			
Houghton, Mich.	3-4			1.07														*			
Houston, Tex.	8	11.44 a. m.	12.08 p. m.	0.42	11.49 a. m.	11.59 a. m.	.03	.21	.39												
Huron, S. Dak.	18			T.														T.			
Do.	30			T.														T.			
Independence, Cal.				‡																	
Indianapolis, Ind.	8			0.00														.13			
Iola, Kans.	7			0.43														.24			
Jacksonville, Fla.	29-30	8.12 p. m.	7.50 a. m.	1.55	10.48 p. m.	11.19 p. m.	.35	.17	.34	.52	.69	.85	.97	.99							
Kalispell, Mont.	3			0.29														.15			
Kansas City, Mo.	7			0.24														.11			
Keokuk, Iowa	24			0.21														*			
Key West, Fla.	7			1.15														.28			
Knoxville, Tenn.	8			0.57														*			
La Crosse, Wis.	14			0.25														.11			
Lander, Wyo.	0			0.00														.00			
Lansing, Mich.	3			0.43														.38			
Lewiston, Idaho	3			0.23														.11			
Lexington, Ky.	29-30			1.27														.32			
Lincoln, Nebr.	30			0.03														.01			
Little Rock, Ark.	27			1.50														.19			
Los Angeles, Cal.	9			0.18														.12			
Louisville, Ky.	29			0.28														.11			
Ludington, Mich.	12-13			0.31														*			
Lynchburg, Va.	15			1.26														.42			
Macon, Ga.	29			2.14														.62			
Madison, Wis.	15			0.49														.18			
Marquette, Mich.	18-19			0.54														*			
Memphis, Tenn.	29			0.20														.14			

[1] Nov. 23. [2] Nov. 26.

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 November, 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.
Meridian, Miss	27			0.89														.22			
Miami, Fla	8-9	9.35 p.m.	D. N. a.m.	4.79	9.50 p.m.	11.45 p.m.	.02	.10	.46	.83	1.16	1.47	1.77	2.04	2.23	2.36	2.56	2.96	3.48	3.90	4.59
Milwaukee, Wis	2			0.19														.14			
Minneapolis, Minn	29-30			0.15														*			
Mobile, Ala	13-14	7.10 a.m.	D. N. a.m.	5.27	10.45 p.m.	12.32 a.m.	3.10	.09	.18	.23	.32	.46	.63	.73	.79	.85	.89	.99	1.32	1.77	1.94
Do	27-28	6.55 a.m.	D. N. a.m.	3.65	7.39 p.m.	8.54 p.m.	.80	.06	.14	.18	.21	.25	.30	.36	.43	.57	.71	1.00	1.37		
Modena, Utah	0			0.00														.00			
Montgomery, Ala	28			1.29														.28			
Moorhead, Minn	12			0.32														*			
Mount Tamalpais, Cal	1			1.45														.20			
Mount Weather, Va	15			2.26														.41			
Nantucket, Mass	16			0.49														.37			
Nashville, Tenn	29			1.29														.27			
New Haven, Conn	16			0.79														.25			
New Orleans, La	26-27	5.55 a.m.	12.25 p.m.	2.62	10.13 a.m.	10.39 a.m.	1.84	.05	.13	.30	.59	.72	.76								
New York, N. Y	19			0.94														.16			
Norfolk, Va	15			1.42														.32			
Northfield, Vt	19-20			1.34														*			
North Head, Wash	5			1.31														.28			
North Platte, Nebr	15, 18, 19			T.														T.			
Oklahoma, Okla	7			0.55														.29			
Omaha, Nebr	30			0.02														.01			
Oswego, N. Y	22-23			0.80														*			
Palestine, Tex	12			2.07														.59			
Parkersburg, W. Va	8			0.18														.11			
Pensacola, Fla	13	2.30 a.m.	6.20 a.m.	1.36	3.23 a.m.	3.42 a.m.	.33	.11	.21	.38	.57										
					2.27 a.m.		3.53	.11	.21	.31	.36	.37	.40	.47	.52	.64	.79				
Do	13-14	7.10 a.m.	6.35 a.m.	7.52				.95	1.26	1.77	2.25	2.83	2.90	2.90	2.91	2.92	2.94				
						4.30 a.m.		3.04	3.31	3.47	3.59	3.67									
Peoria, Ill	15			0.16														.11			
Philadelphia, Pa	15			1.37														.22			
Phoenix, Ariz	10			0.84														.28			
Pierre, S. Dak	18			T.														T.			
Pittsburgh, Pa	8			0.40														.12			
Pocatello, Idaho	28			0.13														.08			
Point Reyes Light, Cal	30			0.97														.41			
Port Huron, Mich	3			0.46														.30			
Portland, Me	19			1.47														.44			
Portland, Oreg	28			0.63														.24			
Providence, R. I	19			0.82														.23			
Pueblo, Colo	16			T.														T.			
Raleigh, N. C	15			1.62														.40			
Rapid City, S. Dak	18			0.04														*			
Reading, Pa	15			1.94														.29			
Red Bluff, Cal	27			0.26														.25			
Reno, Nev	1, 28, 29			T.														T.			
Richmond, Va	15			1.29														.21			
Rochester, N. Y	13			0.20														.10			
Roseburg, Oreg	13			0.52														.20			
Roswell, N. Mex	25			0.16														.05			
Sacramento, Cal	1			0.26														.15			
Saginaw, Mich	3			0.41														.34			
St. Joseph, Mo	15			0.08														.08			
St. Louis, Mo	7			0.67														.24			
St. Paul, Minn	29-30			0.38														*			
Salt Lake City, Utah	29			0.22														*			
San Antonio, Tex	23-24	10.45 p.m.	6.05 a.m.	1.02	11.33 p.m.	11.54 p.m.	.26	.12	.27	.40	.50	.54									
San Diego, Cal	9			0.80														.20			
Sand Key, Fla	7			1.83														.44			
Sandusky, Ohio	15			0.39														.13			
San Francisco, Cal	30			0.35														*			
San Jose, Cal	30			0.81														.36			
San Luis Obispo, Cal	1			0.12														*			
Santa Fe, N. Mex	2			T.														T.			
Sault Ste. Marie, Mich	16-17			0.95														*			
Savannah, Ga	13	2.17 p.m.	7.30 p.m.	0.51	3.18 p.m.	3.38 p.m.	.05	.08	.18	.31	.40										
Scranton, Pa	8			0.34														.08			
Seattle, Wash	11			0.52														.21			
Sheridan, Wyo	15			0.06														*			
Shreveport, La	27			1.37														.32			
Sioux City, Iowa	18			0.02														*			
Spokane, Wash	12-13			0.45														*			
Springfield, Ill	7			0.17														.17			
Springfield, Mo	8			0.44														.16			
Syracuse, N. Y	19-20			0.37														*			
Tacoma, Wash	2			0.78														.28			
Tampa, Fla	9	7.25 a.m.	8.55 a.m.	0.76	8.03 a.m.	8.31 a.m.	.04	.05	.14	.35	.53	.64	.68								
Tatoosh Island, Wash	1			1.61														.53			
Taylor, Tex	12			2.30														.59			
Terre Haute, Ind	8			0.74														.18			
Thomasville, Ga	29			0.92														.55			
Toledo, Ohio	8			0.21														.07			
Tonopah, Nev				‡																	
Topeka, Kans	7			0.08														.05			
Valentine, Nebr	7			0.06														*			
Vicksburg, Miss	8			0.27														.25			
Walla Walla, Wash	11			0.54														.22			
Washington, D. C	15			1.64														.24			
Wichita, Kans	7			0.10														.09			
Williston, N. Dak	12			0.14														.09			
Wilmington, N. C	15			2.30														.69			
Winnemucca, Nev	28			0.01														.01			
Wytheville, Va	30			0.81														.20			
Yankton, S. Dak	18			T.														T.			
Yellowstone Park, Wyo	12-13			0.28														*			

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

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

Stations.	Pressure in inches.			Temperature.						Precipitation.		
	Station reduced to mean of 24 hours.	Sea level reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.
	Inches.	*Inches.*	*Inches.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*Inches.*	*Inches.*	*Inches.*
St. Johns, N. F.	29.70	29.84	−.10	36.6	+ 0.1	42.3	30.9	59	18	6.90	+1.33	T.
Sydney, C. B. I.	29.90	29.94	−.01	38.0	+ 0.9	45.1	31.0	60	20	3.06	−2.38	7.0
Halifax, N. S.	29.88	29.99	−.02	36.6	− 0.7	47.3	26.0	62	9	3.41	−2.25	0.1
Yarmouth, N. S.	29.94	30.01	−.01	39.7	− 0.2	46.1	33.3	58	15	2.93	−1.63	0.5
Charlottetown, P. E. I.	29.91	29.95	−.01	35.6	+ 0.1	41.6	29.7	55	12	2.77	−1.20	4.1
Chatham, N. B.	29.94	29.96	−.01	30.4	− 0.6	37.9	22.9	57	2	3.01	−0.74	9.2
Father Point, Que.	29.89	29.91	−.05	26.6	− 2.3	32.8	20.5	45	0	2.79	−0.32	17.6
Quebec, Que.	29.62	29.96	−.06	26.8	− 2.2	33.5	20.0	50	− 2	4.80	+1.04	20.9
Montreal, Que.	29.76	29.98	−.05	31.2	− 0.6	37.9	24.5	62	3	4.14	+0.40	20.3
Stonecliffe, Ont.	29.30	29.93	−.08	26.8	− 2.3	35.3	18.2	60	− 4	4.29	+1.71	26.9
Ottawa, Ont.	29.73	30.07	+.05	30.2	− 1.5	36.9	23.4	65	0	3.32	+0.78	13.2
Kingston, Ont.	29.70	30.02	−.02	35.8	+ 0.8	43.9	27.7	59	10	2.45	−0.79	3.2
Toronto, Ont.	29.60	29.99	−.05	38.1	+ 2.5	45.4	30.8	62	13	2.83	−0.31	3.3
White River, Ont.	28.54	29.89	−.09	20.9	+ 0.4	30.7	11.1	47	−26	1.75	−0.10	3.2
Port Stanley, Ont.	29.37	30.03	−.02	38.0	+ 1.2	46.5	29.5	65	14	2.80	−0.57	1.0
Southampton, Ont.	29.28	.....	.....	36.6	+ 1.6	43.8	29.3	58	15	2.69	−1.01	8.3
Parry Sound, Ont.	29.27	29.98	−.03	31.7	− 0.4	40.7	22.7	60	1	5.90	+1.53	33.5
Port Arthur, Ont.	29.23	29.96	−.04	29.2	+ 5.2	37.3	21.2	51	− 7	1.16	−0.17	1.7
Winnipeg, Man.	29.12	29.98	−.06	26.0	+ 8.0	33.5	18.4	55	−13	0.72	−0.36	6.2
Minnedosa, Man.	28.11	30.00	−.04	23.5	+ 1.2	32.4	14.6	60	−22	1.87	+0.87	18.6
Qu'Appelle, Sask.	27.62	29.92	−.08	26.4	+ 7.6	34.8	17.9	57	−22	1.05	+0.16	9.8
Medicine Hat, Alberta	27.63	30.04	+.04	37.2	+ 9.8	46.9	27.6	62	0	0.23	−0.69	2.3
Swift Current, Sask.	27.31	29.92	−.10	32.6	+ 9.4	41.6	23.5	65	− 7	0.92	+0.23	7.9
Calgary, Alberta	26.31	29.91	−.07	32.0	+ 6.2	41.7	22.2	58	−10	2.72	+1.84	27.2
Banff, Alberta	25.29	29.98	+.02	28.7	+ 2.9	35.3	22.1	52	−15	2.59	+0.32	24.6
Edmonton, Alberta	27.54	29.87	−.10	29.8	+ 6.9	37.5	22.0	54	− 6	0.85	+0.27	7.2
Prince Albert, Sask.	28.31	29.92	−.09	22.0	+ 6.6	26.6	17.5	45	−12	1.10	+0.27	5.4
Battleford, Sask.	28.16	29.94	−.08	27.8	+11.5	36.8	18.8	55	−15	0.74	+0.16	6.0
Kamloops, B. C.	28.76	30.00	+.04	37.7	+ 4.3	42.9	32.6	56	16	1.01	−0.45	4.8
Victoria, B. C.	29.76	29.86	−.13	45.0	+ 1.8	48.4	41.5	54	33	5.83	−1.14	.....
Barkerville, B. C.	25.52	29.88	−.02	26.6	+ 3.0	32.5	20.7	46	− 2	4.51	+1.22	36.5
Hamilton, Bermuda	29.97	30.13	+.08	68.0	− 0.7	73.5	62.5	77	59	1.04	−3.34	.....

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