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., 75th meridian time. Within each circle is also given (Chart II) the last three figures of the highest barometric reading and (Chart III) the lowest reading reported at or near the center at that time, and in both cases as reduced to sea level and standard gravity.

Chart IV.—Temperature departures. This chart presents the departures of the monthly mean temperatures from the monthly normals. The normals used in computing the departures were computed for a period of 31 years (1883 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.

[Followed by 35 charts, W. J. H. 1–35 (XLII–29 to XLII–126), illustrating article by Prof. W. J. Humphreys].

TABLE I.—*Climatological data for United States Weather Bureau stations, December, 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.							**27.3**	**− 2.1**										**75**	**3.28**	**− 0.1**										**6.2**		
Eastport	76	67	85	30.04	30.12	+ .14	23.6	− 1.7	53	1	31	−11	26	17	39	21	16	73	1.95	− 2.0	8	9,942	w.	70	se.	14	11	6	14	5.9	9.0	T.
Greenville	1,070	6	....	28.89	30.12	.....	15.8	.....	53	1	25	−19	27	7	30	....	....	....	1.50	.....	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	14.7	9.0
Portland, Me.	103	82	117	30.04	30.17	+ .14	24.4	− 2.7	56	3	32	− 6	26	17	29	21	13	63	2.98	− 0.7	10	7,481	n.	48	se.	14	13	7	11	5.1	8.1	3.1
Concord	288	70	79	29.85	30.18	+ .12	22.4	− 4.0	56	1	32	−20	27	12	34	....	....	....	2.07	− 1.3	10	3,895	w.	28	w.	14	9	8	14	5.7	9.3	6.3
Burlington	404	11	48	29.70	30.17	+ .12	21.2	− 1.3	62	2	29	−17	26	14	27	....	....	....	1.25	− 0.4	9	8,981	n.	48	s.	19	4	11	16	6.8	7.7	4.6
Northfield	876	12	60	29.18	30.17	+ .12	17.9	− 2.6	57	2	29	−32	26	6	47	15	12	82	1.19	− 1.5	7	5,233	s.	29	sw.	30	6	11	14	6.4	14.7	8.8
Boston	125	115	188	30.02	30.16	+ .11	30.4	− 1.2	62	3	37	− 2	26	24	31	27	22	74	3.46	0.0	10	8,555	w.	40	se.	14	6	11	14	6.4	4.1	0.2
Nantucket	12	14	90	30.11	30.12	+ .07	34.7	− 2.0	56	2	40	14	26	30	26	32	29	82	6.73	+ 3.1	13	14,496	ne.	68	ne.	7	5	12	14	6.8	2.2	....
Block Island	26	11	46	30.10	30.13	+ .07	34.0	− 2.6	54	3	39	6	26	29	28	31	28	79	4.98	+ 1.2	12	16,409	w.	71	ne.	7	7	5	19	7.1	1.2	....
Narragansett Pier	....	9	....	.....	.....	.....	31.2	− 1.3	61	3	39	− 1	26	24	34	....	....	....	5.14	.....	12	.....	w.	....	.....	.....	15	4	12	.....	0.4	....
Providence	160	215	251	29.98	30.16	+ .10	29.2	− 2.4	61	3	36	− 2	26	23	30	26	23	79	2.93	− 1.0	12	10,431	nw.	50	se.	14	11	7	13	5.8	1.5	....
Hartford	159	122	140	29.99	30.17	+ .10	28.3	− 1.5	59	3	35	− 8	27	21	27	25	20	73	3.85	+ 0.3	9	5,133	n.	27	sw.	14	8	9	14	6.2	2.5	0.8
New Haven	106	117	155	30.04	30.16	+ .09	30.4	− 1.4	63	3	37	− 1	27	24	31	26	20	68	4.87	+ 1.2	11	8,269	n.	44	ne.	7	11	7	13	5.8	3.0	T.
Middle Atlantic States.							**31.8**	**− 3.2**										**78**	**4.87**	**+ 1.7**										**6.9**		
Albany	97	102	115	30.07	30.19	+ .11	26.1	− 1.4	62	2	34	−18	27	19	35	23	19	76	1.84	− 0.7	12	5,864	s.	35	s.	19	9	8	14	6.2	6.2	0.8
Binghamton	871	10	69	29.19	30.16	+ .07	24.8	− 2.9	68	2	32	−16	27	17	40	....	....	....	2.18	− 0.3	14	4,116	ne.	24	nw.	21	4	9	18	7.3	16.5	4.0
New York	314	414	454	29.81	30.16	+ .07	31.5	− 2.9	61	3	38	4	26	26	35	28	23	70	4.01	+ 0.6	11	12,511	ne.	62	sw.	14	7	7	17	6.9	2.4	....
Harrisburg	374	94	104	29.79	30.21	+ .09	29.4	− 3.4	59	3	35	1	27	24	26	26	22	75	4.63	+ 2.0	12	5,084	w.	24	w.	15	6	5	20	7.0	8.4	2.0
Philadelphia	117	123	190	30.05	30.18	+ .07	33.3	− 2.4	63	3	39	8	27	28	24	30	27	80	7.35	+ 4.3	10	8,520	nw.	31	ne.	5	7	7	17	6.5	1.0	....
Reading	325	81	98	29.82	30.20	.....	29.6	.....	62	3	35	0	27	24	22	27	22	75	5.52	+ 2.2	14	4,913	nw.	28	nw.	21	7	6	18	6.9	5.2	T.
Scranton	805	111	119	29.28	30.18	+ .08	28.0	− 1.8	69	2	35	− 3	27	21	27	25	21	76	4.19	+ 1.6	12	5,160	sw.	30	sw.	14	6	8	17	7.1	12.1	T.
Atlantic City	52	37	48	30.10	30.16	+ .06	34.4	− 2.0	60	3	40	8	26	28	29	32	28	79	8.24	+ 4.5	13	7,028	n.	40	ne.	7	8	4	19	7.1	1.2	....
Cape May	18	13	49	30.16	30.18	+ .07	34.6	− 3.4	55	2	40	10	26	29	26	33	....	....	6.64	+ 2.9	16	7,580	n.	38	ne.	5	6	8	17	7.2	0.7	....
Trenton	190	159	183	29.95	30.16	.....	30.6	.....	63	3	36	4	27	25	28	28	24	78	4.64	+ 1.5	13	9,636	ne.	42	ne.	7	8	6	17	6.6	2.5	....
Baltimore	123	100	113	30.06	30.20	+ .07	33.4	− 3.5	63	3	39	5	27	28	24	30	25	71	4.34	+ 1.3	11	5,747	n.	27	ne.	5	8	5	18	6.5	2.5	....
Washington	112	62	85	30.06	30.19	+ .05	32.8	− 3.3	64	2	38	2	27	27	26	30	25	76	4.49	+ 1.3	12	5,275	nw.	33	nw.	30	8	6	17	7.0	3.5	T.
Lynchburg	681	153	188	29.39	30.16	+ .02	35.0	− 3.3	65	3	42	0	27	28	30	32	27	75	4.68	+ 1.4	14	4,941	ne.	33	nw.	30	7	8	16	7.1	6.2	T.
Mount Weather	1,725	10	75	28.25	30.16	+ .03	27.0	− 4.5	58	2	32	− 1	15	22	26	25	22	83	4.22	+ 1.1	16	11,765	nw.	70	nw.	30	5	9	17	6.9	14.1	6.8
Norfolk	91	170	205	30.05	30.15	+ .02	40.0	− 3.0	67	1	45	19	26	35	25	38	35	84	4.69	+ 1.2	16	10,063	n.	48	se.	13	3	9	19	7.5	2.7	....
Richmond	144	11	52	30.02	30.18	+ .04	35.7	− 5.3	68	1	41	7	27	30	21	33	29	80	4.95	+ 2.0	19	5,343	ne.	25	w.	29	7	6	18	6.8	5.4	T.
Wytheville	2,293	40	47	27.69	30.17	+ .02	30.9	− 4.4	57	1	38	− 5	27	24	33	28	26	85	6.14	+ 2.4	16	3,824	w.	22	w.	22	10	14	7	6.6	16.2	2.0
South Atlantic States.							**44.9**	**− 2.3**										**82**	**4.26**	**+ 0.6**										**7.8**		
Asheville	2,255	70	84	27.72	30.16	.00	36.2	− 1.6	67	2	43	4	16	30	31	33	30	81	6.51	+ 2.4	15	5,891	nw.	34	e.	4	3	9	19	7.5	3.1	....
Charlotte	773	68	76	29.28	30.14	− .02	38.4	− 4.5	63	1	44	15	27	33	19	36	32	81	6.53	+ 2.7	13	4,891	ne.	32	w.	29	5	4	22	8.0	.....	....
Hatteras	11	12	50	30.08	30.09	− .04	48.0	− 0.8	70	21	53	31	15	43	25	45	43	87	4.71	− 0.4	14	12,947	n.	49	n.	26	2	6	23	8.4	.....	....
Manteo	12	4	46	.....	.....	.....	46.4	.....	68	19	54	26	15	39	....	....	....	....	4.17	− 1.0	9	.....	n.	....	.....	.....	6	7	18	.....	.....	....
Raleigh	376	103	110	29.73	30.15	.00	38.6	− 4.1	68	1	44	15	27	33	20	35	32	80	6.60	+ 3.4	13	5,672	ne.	29	ne.	25	5	4	22	7.9	T.	....
Wilmington	78	81	91	30.03	30.12	− .03	45.6	− 1.6	72	1	53	20	16	39	29	42	39	83	2.39	− 0.7	17	5,698	n.	29	w.	29	4	7	20	7.6	.....	....
Charleston	48	11	92	30.05	30.10	− .05	48.8	− 2.5	68	25	55	28	17	43	24	45	42	81	2.35	− 0.8	13	7,921	n.	31	nw.	29	6	4	21	7.4	.....	....
Columbia, S. C.	351	41	57	29.74	30.14	− .02	43.4	− 3.8	68	1	49	20	17	37	23	40	36	80	3.13	+ 0.2	13	4,750	ne.	25	ne.	26	6	5	20	7.3	.....	....
Augusta	180	89	97	29.93	30.13	− .03	45.4	− 1.6	70	1	52	22	17	39	30	42	39	85	2.76	− 0.7	13	4,650	nw.	29	nw.	29	4	5	22	8.0	.....	....
Savannah	65	150	194	30.04	30.10	− .05	49.8	− 1.5	76	25	56	27	17	43	25	46	42	81	2.49	− 0.6	14	8,133	nw.	40	w.	29	4	7	20	7.7	.....	....
Jacksonville	43	96	129	30.04	30.10	− .04	54.6	− 0.6	78	4	62	32	12	48	23	50	47	84	5.20	+ 2.2	10	6,094	n.	37	sw.	25	3	9	19	7.7	.....	....
Florida Peninsula.							**66.0**	**+ 1.2**										**85**	**5.18**	**+ 3.1**										**8.9**		
Key West	22	10	64	30.00	30.02	− .06	71.4	+ 1.3	83	25	76	56	12	67	19	68	66	88	6.17	+ 4.3	10	6,918	ne.	30	n.	16	8	10	13	6.2	.....	....
Miami	25	71	79	30.02	30.05	.....	69.5	+ 1.5	80	29	75	44	12	64	23	65	64	86	4.43	+ 2.2	14	5,571	nw.	24	w.	14	5	7	19	7.5	.....	....
Sand Key	23	39	72	29.97	30.00	− .08	72.0	.....	80	26	75	57	12	69	18	69	67	83	5.61	.....	11	11,051	ne.	48	ne.	16	8	9	14	6.2	.....	....
Tampa	35	79	96	30.03	30.07	− .05	61.2	+ 1.7	80	1	68	37	12	54	23	57	54	85	4.93	+ 2.9	12	4,843	n.	25	e.	8	3	8	20	8.0	.....	....
Titusville	44	6	....	30.01	30.06	.....	61.8	+ 0.1	85	4	70	36	12	54	31	....	....	....	5.00	.....	20	.....	nw.	....	.....	....	8	4	19	6.8	.....	....
East Gulf States.							**45.6**	**− 3.5**										**79**	**4.28**	**− 0.2**										**7.5**		
Atlanta	1,174	190	216	28.87	30.13	− .03	40.3	− 4.3	68	2	46	11	15	34	24	38	34	80	5.31	+ 0.8	15	8,122	nw.	37	w.	29	3	5	23	8.3	1.2	....
Macon	370	78	87	29.72	30.13	− .03	45.0	− 1.8	72	4	52	18	16	38	26	41	38	82	2.42	− 2.0	11	4,946	nw.	24	ne.	26	4	10	17	7.4	.....	....
Thomasville	273	8	57	29.80	30.11	− .04	50.4	− 2.1	76	4	59	25	12	42	25	46	43	83	4.60	+ 0.9	11	3,873	nw.	19	w.	25	5	7	19	7.1	.....	....
Pensacola	56	140	182	30.05	30.11	− .04	50.8	− 3.1	72	2	58	27	15	43	22	46	42	76	3.73	− 0.4	11	9,841	n.	44	e.	12	3	9	19	7.5	.....	....
Anniston	741	9	57	29.33	30.15	− .01	41.4	− 2.8	72	2	48	12	15	34	29	....	....	....	3.85	− 0.7	18	4,210	nw.	29	se.	13	4	4	23	8.0	0.5	....
Birmingham	700	11	48	29.38	30.17	+ .01	41.9	− 5.4	72	2	49	10	15	35	28	38	34	78	4.65	0.0	14	4,717	n.	31	se.	29	5	7	19	7.5	T.	....
Mobile	57	125	161	30.06	30.12	− .03	49.4	− 2.1	76	29	57	26	16	42	25	45	40	75	4.13	− 0.4	9	7,733	n.	47	se.	12	8	5	18	6.5	.....	....
Montgomery	223	100	112	29.89	30.15	− .01	46.0	− 3.1	75	2	53	19	16	39	32	42	38	77	6.21	+ 1.7	14	5,001	nw.	25	w.	25	2	8	21	7.9	T.	....
Meridian	375	85	93	29.74	30.15	− .01	42.9	− 4.0	69	25	50	18	16	35	38	40	36	81	4.55	− 0.7	9	3,897	ne.	30	w.	29	5	5	21	7.6	.....	....
Vicksburg	247	65	74	29.88	30.17	+ .02	43.2	− 6.2	69	2	50	18	15	37	25	40	37	83	3.69	− 1.3	14	4,669	ne.	26	nw.	28	7	4	20	7.4	T.	....
New Orleans	51	90	121	30.06	30.12	− .01	50.8	− 3.6	76	24	57	29	15	44	30	47	43	79	3.99	− 0.5	10	6,557	ne.	36	se.	12	4	7	20	7.6	.....	....
West Gulf States.							**42.4**	**− 6.7**										**82**	**4.28**	**+ 1.4**										**7.4**		
Shreveport	249	77	93	29.90	30.18	+ .05	41.5	− 7.4	62	2	48	18	15	35	25	39	35	82	7.16	+ 2.8	16	4,893	nw.	28	w.	29	9	4	18	7.0	.....	....
Bentonville	1,303	11	44	28.76	30.17	+ .04	31.2	− 6.3	60	1	38	1	15	25	29	....	....	....	3.60	+ 0.8	17	3,698	n.	17	w.	29	8	2	21	7.6	9.8	....
Fort Smith	457	79	94	29.68	30.18	+ .05	35.8	− 5.9	59	1	41	10	15	30	24	33	29	80	4.06	+ 1.2	14	5,792	e.	35	nw.	29	6	3	22	7.5	1.9	....
Little Rock	357	139	147	29.80	30.20	+ .06	36.9	− 6.6	61	2	42	8	15	31	21	34	31	80	6.88	+ 2.6	14	5,468	e.	34	nw.	29	9	0	22	7.2	6.0	....
Brownsville	57	3	40	.....	.....	.....	54.2	.....	76	1	60	36	15	48	23	....	....	....	2.19	.....	13	.....	n.	....	.....	.....	....	....	....	.....	.....	....
Corpus Christi	20	69	77	30.10	30.12	.00	50.8	− 5.8	76	1	55	32	14	46	18	48	45	85	1.55	+ 0.2	13	8,264	n.	36	s.	1	1	6	24	8.5	T.	....
Dallas	512	109	117	29.62	30.19	.....	40.0	.....	60	1	45	17	14	35	23	....	....	....	3.43	.....	13	6,029	nw.	32	nw.	13	8	6	17	6.7	T.	....
Fort Worth	670	106	114	29.43	30.17	+ .05	39.7	− 7.8	61	1	46	18	15	34	25	37	33	80	4.40	+ 3.2	13	6,332	nw.	32	nw.	29	6	5	20	7.3	T.	....
Galveston	54	106	114	30.07	30.13	+ .01	50.2	− 6.1	68	1	55	28	14	46	19	47	44	82	4.43	+ 0.7	16	9,903	n.	33	se.	2	5	7	19	7.3	.....	....
Houston	138	111	121	29.97	30.12	.....	48.6	− 5.9	71	24	55	26	14	42	24	....	....	....	11.43	.....	17	6,087	ne.	36	se.	2	5	6	20	7.7	.....	....
Palestine	510	64	72	29.60	30.14	+ .02	42.4	− 7.0	61	2	48	19	14	37	27	39	37	85	6.19	+ 2.5	16	4,533	ne.	24	nw.	29	7	4	20	7.3	T.	....
San Antonio	701	109	132	29.40	30.14	+ .03	46.3	− 6.8	72	1	53	26	15	40	25	42	39	79	1.43	− 0.1	12	5,729	ne.	32	ne.	25	8	7	16	7.0	.....	....
Taylor	582	55	63	29.54	30.17	+ .06	42.7	− 7.9	73	1	48	20	14	37	24	....	....	....	3.08	+ 0.5	12	5,634	n.	25	nw.	2	7	6	18	7.2	T.	....

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

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Precipitation, inches.			Wind.						Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.						
Ohio Valley and Tennessee.							31.4	− 5.4										82	4.72	+ 1.3											7.8		
Chattanooga	762	189	213	29.34	30.18	+ .02	38.4	− 4.2	62	1	44	6	15	33	20	35	31	76	8.17	+ 3.8	16	5,330	ne.	30	sw.	29	3	4	24	8.3	5.2	....
Knoxville	996	93	100	29.07	30.16	.00	36.8	− 2.9	64	1	43	5	15	31	24	34	32	82	7.86	+ 3.7	14	3,405	ne.	22	sw.	29	2	7	22	8.4	8.0	....
Memphis	399	76	97	29.78	30.22	+ .07	36.2	− 7.3	65	2	42	11	15	31	19	34	30	80	6.35	+ 2.0	17	5,385	n.	36	nw.	29	7	4	20	7.2	8.7	....
Nashville	546	168	191	29.59	30.19	+ .04	35.8	− 5.3	63	1	42	4	15	29	25	33	31	84	5.06	+ 1.2	12	6,130	ne.	34	w.	21	4	3	24	8.0	4.2	....
Lexington	989	75	102	29.06	30.17	+ .03	30.4	− 6.0	62	1	36	− 7	15	24	23	....	....	....	4.40	+ 1.1	16	7,135	w.	34	w.	13	3	6	22	8.0	10.7	....
Louisville	525	219	255	29.60	30.20	+ .06	31.1	− 7.0	62	2	37	0	15	25	25	30	28	86	4.06	+ 0.3	14	7,622	n.	38	ne.	25	3	7	21	8.0	5.7	T.
Evansville	431	72	82	29.71	30.20	+ .07	31.0	− 5.4	64	2	36	3	15	26	24	29	26	79	3.62	− 0.2	16	4,850	ne.	21	ne.	25	5	5	21	7.7	4.7	....
Indianapolis	822	154	164	29.27	30.19	+ .05	25.8	− 6.8	62	1	32	− 7	15	19	23	24	22	84	3.37	+ 0.3	16	5,058	ne.	30	sw.	29	6	2	23	7.7	11.1	1.7
Terre Haute	575	96	129	29.55	30.20	.....	25.8	.....	62	1	33	− 5	26	19	25	24	22	86	2.29	.....	15	6,774	nw.	29	w.	29	2	11	18	7.7	8.5	0.5
Cincinnati	628	152	160	29.48	30.19	+ .06	30.2	− 6.2	62	1	36	− 3	15	24	26	29	26	82	3.14	+ 0.2	14	5,582	w.	30	sw.	29	7	3	21	7.6	4.4	....
Columbus	824	173	222	29.27	30.18	+ .06	27.6	− 5.2	59	1	34	− 4	15	22	26	25	22	80	2.91	+ 0.2	17	8,721	w.	44	sw.	30	6	1	24	7.7	6.0	T.
Dayton	899	181	216	29.16	30.16	.....	26.6	− 6.5	62	1	33	− 5	15	20	23	25	23	85	2.86	+ 0.2	16	7,709	ne.	39	w.	30	8	6	17	6.9	5.6	T.
Pittsburgh	842	353	410	29.24	30.18	+ .07	29.9	− 4.8	62	2	36	− 2	15	24	27	27	23	77	4.37	+ 1.6	19	8,808	w.	46	w.	30	5	3	23	7.9	15.7	0.1
Elkins	1,940	41	50	28.04	30.20	+ .06	28.7	− 3.8	59	2	37	−10	16	21	39	26	24	86	5.16	+ 1.7	20	3,081	w.	24	sw.	30	4	6	21	8.0	9.4	T.
Parkersburg	638	77	84	29.51	30.19	+ .05	30.6	− 4.6	64	1	37	− 5	16	24	32	28	26	83	4.75	+ 2.0	18	4,104	sw.	24	nw.	30	4	3	24	8.0	7.1	....
Lower Lake Region.							24.9	− 4.3										80	3.01	+ 0.1											7.9		
Buffalo	767	247	280	29.28	30.15	+ .09	26.0	− 4.1	59	1	31	2	26	21	26	24	22	84	3.49	+ 0.1	16	15,488	w.	78	sw.	21	2	6	23	8.6	28.2	4.0
Canton	448	10	61	29.64	30.14	.....	20.6	− 2.1	58	2	28	−29	26	13	34	....	....	....	2.15	− 1.4	11	10,065	sw.	53	w.	21	7	4	20	7.3	20.1	4.5
Oswego	335	76	91	29.77	30.15	+ .09	25.4	− 3.8	59	2	31	− 9	26	20	35	24	21	82	4.34	+ 0.8	15	9,469	s.	42	w.	21	2	5	24	8.4	41.7	10.5
Rochester	523	97	113	29.57	30.17	+ .11	26.4	− 2.5	60	1	32	− 1	26	21	24	24	20	75	2.31	− 0.6	14	7,910	sw.	42	w.	21	7	2	22	7.8	16.1	3.0
Syracuse	597	97	113	29.50	30.17	+ .10	25.4	− 2.9	64	2	31	−12	26	19	31	23	18	75	3.16	+ 0.5	14	9,163	s.	48	s.	21	5	5	21	7.3	15.8	3.0
Erie	714	92	102	29.35	30.15	+ .08	27.6	− 4.1	62	1	33	0	26	22	29	25	21	77	3.42	+ 0.4	23	9,444	sw.	36	s.	21	1	4	26	8.7	18.2	0.9
Cleveland	762	190	201	29.32	30.17	+ .08	27.0	− 4.1	55	1	32	− 1	15	22	31	25	20	77	1.57	− 1.0	18	10,160	sw.	42	w.	21	0	11	20	8.3	6.9	0.1
Sandusky	629	62	103	29.47	30.18	+ .09	25.4	− 6.7	55	1	31	− 4	15	20	27	24	21	83	3.08	+ 0.7	17	10,751	sw.	37	sw.	14	4	5	22	7.5	12.8	2.5
Toledo	628	208	246	29.48	30.19	+ .11	24.1	− 6.4	56	1	30	− 5	15	18	26	23	20	84	4.18	+ 1.9	15	12,261	sw.	41	sw.	14	8	2	21	7.1	18.5	5.7
Fort Wayne	856	113	124	29.22	30.19	.....	22.6	− 4.7	57	1	29	−10	15	16	27	22	19	85	3.58	.....	15	7,720	sw.	33	sw.	29	6	3	22	7.6	22.0	4.8
Detroit	730	218	245	29.34	30.17	+ .10	23.8	− 5.7	57	1	30	− 1	15	18	24	22	20	83	2.42	0.0	15	10,731	sw.	39	w.	21	2	8	21	8.2	15.1	5.0
Upper Lake Region.							19.8	− 4.7										81	1.43	− 0.7											7.5		
Alpena	609	13	92	29.45	30.15	+ .13	21.8	− 3.0	48	1	28	− 3	25	16	22	20	17	82	0.86	− 1.4	9	9,762	w.	36	nw.	22	2	2	12	17	7.4	15.2	7.1
Escanaba	612	54	60	29.47	30.17	+ .14	16.8	− 4.8	45	1	23	− 7	23	11	20	15	11	75	0.38	− 1.3	8	7,903	nw.	37	ne.	8	9	10	12	5.7	4.0	2.5
Grand Haven	632	54	92	29.46	30.17	+ .12	25.3	− 4.8	54	1	30	7	14	21	23	23	20	81	2.05	− 0.5	20	10,296	w.	43	sw.	21	2	3	26	8.8	18.2	12.0
Grand Rapids	707	70	87	29.37	30.18	+ .13	24.6	− 4.2	56	1	29	7	17	20	23	23	20	82	1.89	− 0.6	19	5,694	ne.	24	w.	21	1	3	27	9.2	17.6	7.0
Houghton	684	62	72	29.40	30.16	+ .14	17.2	− 3.7	48	1	22	− 5	31	12	20	....	....	....	2.35	− 0.1	15	7,803	w.	36	w.	21	1	6	24	8.6	24.0	15.7
Lansing	878	11	62	29.18	30.16	.....	21.6	− 5.2	59	1	28	−15	26	15	31	20	18	87	1.57	− 0.5	20	5,319	sw.	20	sw.	21	3	7	21	8.0	14.4	7.1
Ludington	637	60	66	29.44	30.16	.....	24.6	.....	54	1	30	4	14	20	21	23	20	81	1.77	.....	20	9,651	w.	38	w.	21	1	2	28	9.2	18.0	10.0
Marquette	734	77	111	29.33	30.18	+ .16	18.4	− 4.5	50	1	24	− 5	23	13	23	16	11	75	0.85	− 1.7	9	9,406	sw.	42	sw.	18	2	7	22	8.0	9.2	4.4
Port Huron	638	70	120	29.44	30.16	+ .10	22.8	− 4.5	54	1	29	− 7	20	17	28	21	18	83	1.35	− 0.8	13	9,203	sw.	32	w.	14	3	14	14	7.2	13.4	8.8
Saginaw	641	48	82	29.44	30.17	.....	22.0	.....	57	1	28	−12	26	16	27	21	19	90	1.36	− 0.6	15	7,955	ne.	30	ne.	8	3	8	20	7.9	11.6	10.4
Sault Ste. Marie	614	11	61	29.41	30.15	+ .15	18.8	− 1.7	44	1	25	− 9	25	12	22	17	13	80	2.16	− 0.2	19	7,171	sw.	46	nw.	22	2	12	17	7.5	21.5	14.8
Chicago	823	140	310	29.27	30.20	+ .12	24.1	− 5.2	58	1	30	− 4	26	18	24	22	17	71	2.33	+ 0.3	15	10,253	w.	36	ne.	5	6	7	18	6.8	8.4	3.7
Green Bay	617	109	144	29.49	30.19	+ .15	16.3	− 5.0	50	1	22	−18	26	10	29	14	10	75	0.99	− 0.8	13	9,610	sw.	42	n.	8	8	5	18	6.9	11.4	7.2
Milwaukee	681	119	133	29.42	30.19	+ .13	20.4	− 5.6	54	1	27	− 8	26	14	26	19	16	83	1.55	− 0.4	14	8,953	w.	35	e.	5	10	5	16	6.1	8.9	4.0
Duluth	1,133	11	47	28.92	30.22	+ .17	9.4	− 8.3	40	1	17	−20	25	2	26	8	6	89	0.30	− 0.9	6	10,481	sw.	53	nw.	29	11	6	14	5.4	5.4	1.8
North Dakota.							6.4	− 5.5										84	0.34	− 0.3											5.8		
Moorhead	940	8	57	29.19	30.27	+ .19	7.7	− 3.0	42	4	17	−27	25	−2	32	5	2	83	0.34	− 0.4	8	6,293	nw.	30	nw.	13	17	6	8	4.0	3.4	2.5
Bismarck	1,674	8	57	28.38	30.28	+ .20	7.4	− 7.6	44	2	18	−30	25	−3	54	6	3	85	0.34	− 0.3	7	6,202	nw.	40	w.	31	7	11	13	6.1	4.7	4.0
Devils Lake	1,482	11	44	28.53	30.21	+ .15	3.6	− 4.4	32	31	13	−27	25	−6	35	2	0	88	0.36	0.0	6	7,308	w.	34	n.	13	9	5	17	6.1	4.8	3.0
Williston	1,872	40	47	28.11	30.21	+ .15	6.7	− 6.9	40	3	16	−30	25	−3	38	6	3	81	0.33	− 0.3	8	3,994	n.	48	nw.	31	5	6	20	7.1	3.1	2.5
Upper Mississippi Valley.							20.5	− 6.9										84	1.60	− 0.2											7.0		
Minneapolis	918	10	208	29.17	30.20	.....	12.2	.....	44	1	19	−20	26	6	32	....	....	....	0.37	− 0.6	9	8,254	w.	33	nw.	29	9	6	16	6.3	8.4	3.4
St. Paul	837	201	236	29.30	30.26	+ .18	12.1	− 7.2	48	1	19	−22	26	5	32	....	....	....	0.50	− 0.6	8	8,417	nw.	36	nw.	21	8	5	18	6.8	7.0	4.0
La Crosse	714	11	48	29.43	30.25	+ .17	15.2	− 7.6	49	1	22	−24	26	8	35	....	....	....	0.99	− 0.3	11	4,157	w.	20	sw.	22	7	10	14	6.7	10.8	4.5
Madison	974	70	78	29.11	30.23	+ .15	16.4	− 6.3	51	1	23	−16	26	10	28	15	12	82	1.76	0.0	8	8,272	nw.	36	ne.	8	7	8	16	6.6	10.8	8.8
Charles City	1,015	10	49	29.10	30.25	+ .15	12.8	− 6.2	41	5	21	−24	26	5	37	12	10	90	0.94	− 0.3	9	4,670	nw.	24	nw.	29	8	8	15	6.6	10.2	4.6
Davenport	606	71	79	29.53	30.24	+ .14	19.8	− 7.4	53	1	27	−15	26	12	32	19	17	88	1.67	0.0	11	5,808	nw.	24	nw.	29	6	9	16	6.7	10.5	5.0
Des Moines	861	84	97	29.28	30.23	+ .12	18.7	− 7.0	51	1	26	−15	26	11	35	17	14	82	1.28	0.0	9	5,249	nw.	26	nw.	29	6	6	19	7.2	10.7	4.2
Dubuque	698	81	96	29.46	30.25	+ .15	18.4	− 6.1	52	1	25	−20	26	11	34	18	13	83	1.83	+ 0.1	8	4,944	nw.	20	nw.	13	7	8	16	6.7	14.6	8.4
Keokuk	614	64	78	29.52	30.23	+ .11	22.6	− 6.8	55	1	30	−12	26	15	33	21	18	83	1.55	− 0.3	13	5,797	n.	30	nw.	29	6	8	17	6.5	13.0	5.0
Cairo	356	87	93	29.79	30.19	+ .04	32.4	− 6.1	60	2	38	4	15	27	22	30	28	83	3.51	+ 0.2	14	6,232	nw.	33	n.	25	7	1	23	7.7	6.3	....
Peoria	609	11	45	29.53	30.22	+ .11	20.8	− 7.3	57	1	29	−19	26	13	33	20	18	89	1.81	− 0.6	12	5,769	s.	24	nw.	29	5	6	20	7.6	14.4	4.5
Springfield, Ill.	644	10	91	29.49	30.21	+ .09	24.2	− 7.1	59	1	31	− 7	26	18	24	23	20	84	2.29	− 0.2	18	6,501	nw.	27	w.	29	5	7	19	7.6	8.6	0.9
Hannibal	534	74	109	29.62	30.23	+ .11	23.9	− 7.4	58	1	31	− 8	26	17	30	....	....	....	1.72	+ 0.1	14	6,122	nw.	26	nw.	29	7	5	19	7.3	10.6	2.0
St. Louis	567	265	303	29.57	30.20	+ .07	28.6	− 6.9	60	1	34	2	26	23	21	27	23	80	2.23	+ 0.1	17	8,619	nw.	37	nw.	29	4	7	20	7.7	2.4	....
Missouri Valley.							19.6	− 7.3										83	1.16	+ 0.1											6.6		
Columbia, Mo.	781	11	84	29.34	30.22	+ .10	25.4	− 7.5	55	1	32	− 6	26	19	31	....	....	....	1.86	− 0.2	12	5,713	n.	30	w.	29	4	5	22	7.9	5.8	1.2
Kansas City	963	161	181	29.15	30.23	+ .11	24.2	− 7.3	54	1	31	− 4	14	18	30	22	17	74	1.52	+ 0.2	12	8,049	n.	36	nw.	29	6	6	19	6.9	11.8	2.0
St. Joseph	967	11	49	29.16	30.24	.....	21.6	.....	52	1	29	− 8	14	14	28	20	17	83	1.08	.....	12	5,286	nw.	31	nw.	29	7	6	18	6.9	11.2	2.7
Springfield, Mo.	1,324	98	104	28.74	30.20	+ .07	27.4	− 8.1	56	1	33	− 2	14	22	24	26	24	86	2.90	+ 0.2	16	7,182	nw.	28	w.	29	5	5	21	7.7	2.3	....
Iola	984	11	50	29.13	30.24	+ .12	26.2	− 6.3	57	1	33	− 1	14	19	29	....	....	....	0.82	− 0.1	9	5,148	n.	27	ne.	24	3	9	19	7.6	3.9	T.
Topeka	983	85	101	.....	.....	.....	22.8	− 8.3	51	1	30	− 5	26	16	33	....	....	....	1.08	+ 0.2	9	5,707	n.	33	nw.	29	7	6	18	6.9	15.6	1.9
Lincoln	1,189	11	84	28.92	30.26	+ .14	18.1	− 8.8	50	1	26	− 9	14	10	33	16	14	87	0.91	+ 0.2	11	6,029	n.	37	nw.	29	10	6	15	6.1	7.2	4.0
Omaha	1,105	115	121	29.01	30.26	+ .15	18.2	− 8.9	46	1	25	− 7	16	11	28	17	14	85	1.38	+ 0.5	12	5,700	nw.	31	nw.	29	11	5	15	6.4	10.5	4.5
Valentine	2,598	47	54	27.37	30.23	+ .13	15.8	− 8.7	52	3	27	−23	16	4	37	14	10	85	0.68	+ 0.1	7	6,550	nw.	33	s.	26	10	12	9	5.6	6.9	1.5
Sioux City	1,135	94	164	28.97	30.26	+ .14	15.0	− 7.6	46	1	24	−14	14	6	32	14	12	87	1.44	+ 0.7	11	7,454	nw.	40	nw.	29	9	8	14	6.1	12.7	3.4
Huron	1,306	59	74	28.79	30.28	+ .16	11.6	− 4.1	49	3	22	−20	16	1	35	10	6	80	0.30	− 0.3	8	7,622	se.	32	se.	26	11	12	8	5.2	7.2	1.2
Pierre	1,572	70	75	28.51	30.28	+ .18	15.1	− 5.0	58	3	26	−20	16	5	41	12	8	79	0.22	− 0.3	6	6,555	se.	40	nw.	26	9	10	12	5.7	3.0	T.
Yankton	1,233	49	57	28.87	30.27	+ .16	15.1	− 7.1	51	4	25	−16	16	5	33	....	....	....	0.76	0.0	7	5,070	w.	26	nw.	29	8	8	15	6.6	7.6	1.5

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

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.									Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Precipitation, inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.				Total.	Departure from normal.	Days with 0.01 or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.						
Northern Slope.							17.2	− 6.5										86	0.41	− 0.5										5.7		
Havre	2,505	11	44	27.42	30.20	+ .15	10.8	−10.4	43	3	20	−25	16	2	41	11	9	91	0.66	0.0	9	4,765	w.	32	sw.	31	6	9	16	6.8	6.7	6.4
Helena	4,110	87	114	25.81	30.19	+ .06	20.0	− 4.8	45	31	27	− 6	16	13	22	17	14	79	0.25	− 0.6	7	4,104	sw.	30	w.	22	6	9	16	6.6	4.3	0.1
Kalispell	2,962	11	34	27.00	30.20	+ .13	19.0	− 4.9	44	3	26	− 4	18	12	22	17	14	83	0.40	− 1.4	8	2,322	nw.	11	nw.	20	8	10	13	6.1	4.0	1.8
Miles City	2,371	26	48	27.57	30.26	+ .16	15.2	− 5.8	47	2	24	−20	16	6	36	13	9	79	0.49	− 0.1	8	3,041	w.	18	ne.	26	12	10	9	5.0	4.5	T.
Rapid City	3,259	50	58	26.64	30.25	+ .16	19.8	− 6.2	54	2	30	−11	16	10	36	16	11	73	0.46	0.0	5	5,013	n.	36	n.	31	9	11	11	5.8	4.2	0.3
Cheyenne	6,088	84	101	23.94	30.18	+ .09	20.2	− 8.8	45	4	30	− 6	16	10	33	17	12	74	0.16	− 0.2	4	7,883	w.	56	w.	31	13	10	8	5.1	1.8	T.
Lander	5,372	60	68	24.62	30.24	+ .09	15.2	− 4.0	49	31	28	−15	17	2	39	10	3	63	0.31	− 0.4	5	1,956	sw.	19	se.	23	7	18	6	5.4	3.5	T.
Sheridan	3,790	10	47	26.13	30.24	.....	14.2	.....	48	31	28	−21	17	0	42	10	7	81	0.14	.....	5	2,655	s.	24	n.	14	9	12	10	4.8	2.3	T.
Yellowstone Park	6,200	11	48	23.82	30.21	+ .05	17.0	− 4.6	38	4	26	−10	16	8	31	13	8	71	0.07	− 1.8	6	4,610	s.	25	sw.	21	11	4	16	6.1	0.7	0.2
North Platte	2,821	11	51	27.18	30.28	+ .18	18.0	− 8.6	52	3	28	−11	16	7	34	14	10	80	0.87	+ 0.4	11	4,384	nw.	24	n.	20	15	5	11	4.9	7.4	1.9
Middle Slope.							24.9	− 8.1										78	0.95	+ 0.2										5.9		
Denver	5,291	129	172	24.70	30.16	+ .08	24.4	− 7.8	54	31	35	− 7	21	13	42	20	14	70	0.72	+ 0.1	5	4,390	sw.	28	nw.	28	15	8	8	4.5	9.7	0.3
Pueblo	4,685	80	86	25.28	30.15	+ .07	24.6	− 7.1	55	31	38	−16	21	11	45	19	13	66	0.59	+ 0.1	8	3,150	nw.	25	w.	11	18	7	6	3.9	8.2	....
Concordia	1,398	42	50	28.71	30.26	+ .15	19.9	− 9.6	52	3	29	− 8	16	11	38	18	16	86	0.57	+ 0.1	10	3,546	n.	23	nw.	29	5	6	20	7.5	5.4	1.9
Dodge	2,509	11	51	27.48	30.21	+ .11	23.4	− 8.2	54	4	33	− 6	21	14	39	20	15	76	0.46	− 0.1	6	6,029	nw.	30	ne.	15	11	8	12	5.5	6.4	T.
Wichita	1,358	139	158	28.71	30.21	+ .10	25.7	− 8.5	53	4	33	2	14	18	31	24	21	84	0.61	− 0.2	8	7,874	n.	44	nw.	29	6	8	17	7.0	3.3	T.
Oklahoma	1,214	10	47	28.88	30.21	+ .10	31.4	− 7.2	52	1	38	5	26	25	27	29	26	84	2.74	+ 1.0	12	9,553	n.	46	nw.	29	7	7	17	7.0	9.0	....
Southern Slope.							37.0	− 6.8										80	1.25	+ 0.4										6.2		
Abilene	1,738	10	52	28.31	30.17	+ .06	38.7	− 6.3	60	5	47	16	14	31	30	35	31	81	1.61	+ 0.5	9	5,698	n.	23	sw.	26	9	3	19	6.6	T.	....
Amarillo	3,676	10	49	26.30	30.15	+ .06	30.4	− 6.0	62	18	40	10	21	21	36	27	24	82	1.17	+ 0.3	6	7,450	sw.	35	e.	24	13	11	7	4.7	11.6	....
Del Rio	944	64	71	29.10	30.11	+ .01	45.6	− 6.8	73	1	52	25	15	39	29	....	....	....	0.45	− 0.4	7	5,651	se.	30	nw.	25	6	6	19	7.0	T.	....
Roswell	3,566	75	85	26.41	30.12	+ .05	33.1	− 8.1	64	18	42	12	14	24	35	30	26	77	1.78	+ 1.2	11	4,288	s.	36	ne.	24	8	8	15	6.7	7.1	....
Southern Plateau.							37.1	− 5.0										76	2.10	+ 1.5										4.7		
El Paso	3,762	110	133	26.18	30.01	− .02	42.8	− 2.0	62	18	51	22	15	34	27	38	32	70	3.94	+ 3.4	10	7,338	se.	46	nw.	28	14	9	8	4.7	T.	....
Santa Fe	7,013	57	62	23.18	30.10	− .04	26.0	− 4.3	46	23	34	6	15	18	27	22	19	78	1.70	+ 0.9	7	4,253	ne.	22	n.	30	6	15	10	5.9	13.9	2.0
Flagstaff	6,908	8	57	.....	.....	.....	23.6	− 4.8	48	3	36	−13	15	11	47	22	....	....	1.88	.....	9	.....	e.	30	e.	21	9	14	8	....	20.7	4.5
Phoenix	1,108	76	81	28.81	29.98	− .06	50.3	− 1.6	68	30	59	28	15	41	32	45	40	72	3.09	+ 2.5	11	3,206	e.	29	e.	22	9	5	17	6.2	....	....
Yuma	141	9	58	29.84	30.00	− .05	51.0	− 4.7	68	31	61	33	15	40	31	44	37	66	0.98	+ 0.5	4	3,750	n.	30	n.	21	22	3	6	2.9	....	....
Independence	3,910	11	42	25.95	30.03	− .09	29.0	−12.6	50	4	40	3	20	17	30	27	26	92	0.78	0.0	3	3,887	nw.	32	nw.	22	18	6	7	3.8	9.5	....
Middle Plateau.							24.4	− 6.9										75	0.50	− 0.5										5.6		
Reno	4,532	74	81	25.43	30.11	− .04	26.8	− 6.9	50	1	37	4	21	17	30	24	20	78	0.70	− 1.0	11	2,668	w.	32	se.	2	8	9	14	6.2	9.2	0.2
Tonopah	6,090	12	20	23.99	30.11	.....	24.8	.....	42	25	30	6	20	20	16	22	17	70	0.52	− 0.3	2	5,985	se.	33	se.	2	14	6	11	4.9	5.5	....
Winnemucca	4,344	18	56	25.62	30.17	− .01	18.9	−11.8	48	1	32	−10	14	5	39	17	13	79	0.57	− 0.4	8	3,543	ne.	20	ne.	17	9	6	16	6.2	7.8	1.0
Modena	5,479	10	43	24.57	30.10	− .02	21.2	−10.5	46	2	34	− 6	15	8	38	18	14	75	0.46	− 0.1	5	5,444	w.	31	sw.	28	7	12	12	5.8	5.0	0.6
Salt Lake City	4,360	147	189	25.64	30.12	− .03	29.0	− 3.1	52	4	36	12	22	22	20	25	20	70	0.39	− 0.9	6	3,753	se.	25	se.	3	13	11	7	4.9	4.6	1.2
Durango	6,546	10	....	.....	.....	.....	.....	.....	....	....	....	....	....	....	....	....	....	....	.....	.....	....	.....	....	....	....	....	....	....	....	....	....	....
Grand Junction	4,602	82	96	25.41	30.09	− .01	26.2	− 2.0	49	3	35	6	15	17	28	22	18	76	0.26	− 0.2	5	3,475	e.	24	se.	22	11	9	11	5.3	4.2	T.
Northern Plateau.							23.8	− 8.2										78	0.65	− 1.1										6.4		
Baker	3,471	48	53	26.50	30.21	− .05	20.8	− 6.6	39	3	30	− 4	16	11	28	18	13	73	0.56	− 1.0	7	4,676	se.	19	se.	3	11	13	7	4.6	4.9	0.7
Boise	2,739	78	86	27.27	30.24	+ .04	24.0	− 8.2	51	3	32	3	17	16	23	21	17	74	0.47	− 1.2	5	2,586	nw.	22	se.	5	7	9	15	6.0	2.7	....
Lewiston	757	40	48	29.35	30.20	+ .07	28.4	− 9.1	52	2	36	8	21	21	29	....	....	....	0.32	− 1.2	5	1,951	e.	16	ne.	30	8	9	14	6.6	0.9	....
Pocatello	4,477	46	54	25.50	30.21	+ .02	19.5	− 8.9	48	3	29	− 7	22	10	28	17	14	81	0.56	− 0.3	10	3,518	se.	24	sw.	28	7	13	11	5.8	6.9	3.5
Spokane	1,929	101	110	28.06	30.19	+ .11	24.4	− 6.4	45	1	30	1	17	18	20	22	19	78	1.46	− 1.2	12	2,681	ne.	21	sw.	3	5	12	14	6.7	11.5	6.6
Walla Walla	1,000	57	65	29.06	30.18	+ .06	26.0	−10.0	55	1	30	8	21	22	22	24	22	86	0.53	− 1.6	6	2,342	s.	26	se.	1	2	6	23	8.4	0.6	T.
North Pacific Coast Region.							39.1	− 2.5										81	2.36	− 5.6										6.7		
North Head	211	11	56	29.80	30.03	.00	42.0	− 2.3	54	31	46	30	16	38	14	40	37	85	4.62	− 2.9	14	10,042	e.	52	se.	31	10	5	16	6.3	T.	....
Port Crescent	259	8	53	29.76	30.05	+ .07	37.4	− 0.9	48	9	43	23	13	32	17	....	....	....	1.17	− 5.7	9	5,005	se.	28	ne.	19	2	11	18	7.5	0.2	....
Seattle	125	215	250	29.94	30.08	+ .07	39.7	− 1.5	54	9	45	24	13	35	15	37	33	79	1.39	− 4.6	11	5,214	se.	35	se.	7	7	7	17	6.8	T.	....
Tacoma	213	113	120	29.84	30.07	+ .06	37.8	− 2.5	51	9	44	22	18	32	18	35	31	77	1.62	− 5.7	9	2,968	s.	20	w.	28	6	8	17	6.7	T.	....
Tatoosh Island	109	7	57	29.91	30.01	+ .05	42.9	− 1.0	50	31	46	36	14	40	9	41	38	83	3.61	−11.0	15	15,314	e.	57	e.	7	7	10	14	6.3	....	....
Portland, Oreg.	153	68	106	29.90	30.07	.00	36.8	− 4.5	51	31	42	22	21	32	18	34	30	75	2.56	− 4.8	14	4,459	e.	30	e.	7	8	5	18	6.5	T.	....
Roseburg	510	9	57	29.48	30.04	− .07	37.0	− 4.9	60	31	42	19	21	32	25	35	33	88	1.53	− 4.4	13	1,608	s.	13	se.	25	1	18	12	6.7	0.5	....
Middle Pacific Coast Region.							45.2	− 3.2										81	5.30	+ 0.9										6.0		
Eureka	62	73	89	29.94	30.01	− .11	45.3	− 2.7	62	22	52	32	21	39	26	43	40	81	7.09	− 0.2	14	4,524	se.	25	s.	6	8	8	15	6.6	....	....
Mount Tamalpais	2,375	11	18	27.50	30.00	− .12	40.6	− 7.0	57	22	44	29	16	37	14	38	34	82	5.79	+ 1.9	14	12,269	ne.	58	n.	21	7	7	17	6.8	6.0	....
Point Reyes Light	490	7	18	29.44	29.96	.....	49.4	− 1.2	68	22	54	37	17	45	18	....	....	....	4.30	.....	15	11,147	s.	64	s.	9	8	11	12	5.5	....	....
Red Bluff	332	50	56	29.68	30.05	− .09	42.2	− 4.2	67	23	49	28	26	35	30	39	35	80	6.23	+ 1.7	15	3,908	nw.	24	n.	20	10	5	16	6.0	....	....
Sacramento	69	106	117	29.96	30.04	− .10	43.8	− 2.5	65	22	50	30	8	37	31	42	39	84	3.44	− 0.1	15	5,110	se.	27	se.	1	11	8	12	5.2	....	....
San Francisco	155	209	213	29.85	30.02	− .10	48.7	− 2.2	67	22	53	41	15	44	19	45	41	79	5.49	+ 1.2	15	4,934	ne.	31	se.	9	6	8	17	6.4	....	....
San Jose	141	12	110	29.87	30.02	.....	46.2	− 2.3	65	22	55	29	14	38	29	....	....	....	3.73	+ 0.7	14	4,397	se.	35	e.	16	11	9	11	5.2	....	....
South Pacific Coast Region.							50.8	− 2.2										76	3.43	+ 1.3										5.8		
Fresno	327	89	98	29.68	30.05	− .08	44.7	− 2.1	60	9	52	27	22	37	27	42	38	80	1.76	+ 0.2	8	3,587	e.	26	s.	1	6	14	11	6.2	....	....
Los Angeles	338	159	191	29.63	30.00	− .07	53.4	− 3.1	74	30	61	40	14	46	25	48	44	74	3.73	+ 0.8	10	4,590	ne.	31	ne.	16	10	9	12	5.7	....	....
San Diego	87	62	70	29.89	29.99	− .08	54.6	− 1.1	70	31	62	39	14	47	22	49	44	72	2.21	+ 0.4	16	3,950	e.	33	s.	1	15	6	10	4.8	....	....
San Luis Obispo	201	32	40	29.82	30.04	− .07	50.3	− 2.5	68	23	60	33	14	41	31	46	42	78	6.01	+ 3.7	15	2,411	n.	22	ne.	21	7	10	14	6.3	....	....
West Indies.																																
San Juan	82	8	54	29.91	30.00	+ .03	78.0	.....	86	9	84	70	19	72	14	....	....	....	1.66	− 4.5	19	8,017	se.	37	e.	30	17	13	1	3.6	....	....
Panama.																																
Balboa Heights	118	7	97	29.70	29.82	.....	81.2	.....	92	5	88	72	28	74	17	76	75	92	8.28	+ 3.8	20	4,669	nw.	36	se.	26	3	15	13	6.4	....	....
Colon	25	5	71	29.80	29.82	.....	81.5	.....	89	11	85	75	13	78	11	78	77	89	8.88	− 3.2	20	8,187	ne.	29	ne.	10	6	17	8	5.9	....	....

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 December, 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.	24			0.76														0.16			
Albany, N. Y.	13-14			0.67														(*)			
Alpena, Mich.	29-30			0.36														(*)			
Amarillo, Tex.	24-25			0.73														(*)			
Anniston, Ala.	24-25			1.40														(*)			
Asheville, N. C.	4			1.30														.35			
Atlanta, Ga.	3-4	8.55 a. m.[1]	7.55 a. m.[3]	2.41	11.07 p. m.[1]	11.31 p. m.[1]	0.48	0.13	0.36	0.43	0.46	0.54									
Atlantic City, N. J.	21			1.26														.38			
Augusta, Ga.	1			0.56														.25			
Baker, Oreg.	28			0.17														(*)			
Baltimore, Md.	29			0.49														.24			
Bentonville, Ark.	1			0.93														.42			
Binghamton, N. Y.	13			0.64														.12			
Birmingham, Ala.	25			1.59														.50			
Bismarck, N. Dak.	7			0.09														(*)			
Block Island, R. I.	7			1.18														(*)			
Boise, Idaho	3-4			0.20														(*)			
Boston, Mass.	29			0.39														.25			
Buffalo, N. Y.	16-17			1.03														(*)			
Burlington, Vt.	13-14			0.50														(*)			
Cairo, Ill.	19			0.67														.20			
Canton, N. Y.	13-14			0.89														(*)			
Charles City, Iowa	7-8			0.38														(*)			
Charleston, S. C.	19			0.50														.25			
Charlotte, N. C.	4			1.09														.30			
Chattanooga, Tenn.	3			2.13														.67			
Cheyenne, Wyo.	6-7			0.08														(*)			
Chicago, Ill.	29			0.70														(*)			
Cincinnati, Ohio	4			0.71														.23			
Cleveland, Ohio	7-8			0.51														(*)			
Columbia, Mo.	28-29			0.63														(*)			
Columbia, S. C.	29			0.59														.30			
Columbus, Ohio	3-4			0.69														(*)			
Concord, N. H.	13-14			1.15														(*)			
Concordia, Kans.	20			0.38														(*)			
Corpus Christi, Tex.	2			0.34																	
Davenport, Iowa	28-29			0.84														(*)			
Dayton, Ohio	4			1.19														0.17			
Del Rio, Tex.	24			0.30														.18			
Denver, Colo.	7-8			0.44														(*)			
Des Moines, Iowa	20			0.41														(*)			
Detroit Mich.	29			0.53														(*)			
Devils Lake, N. Dak.	1			0.22														(*)			
Dodge City, Kans.	20			0.25														(*)			
Dubuque, Iowa	28-29			0.86														(*)			
Duluth, Minn.	26			0.17														(*)			
Durango, Colo.																					
Eastport, Me.	19			0.38														.12			
Elkins, W. Va.	3			0.17														.15			
El Paso, Tex.	24			1.48														.48			
Erie, Pa.	14-15			0.71														(*)			
Escanaba, Mich.	20-21			0.12														(*)			
Eureka, Cal.	5			0.58														.33			
Evansville, Ind.	29			0.50														.18			
Flagstaff, Ariz.	17-18			0.69														(*)			
Fort Smith, Ark.	2			0.54														.21			
Fort Wayne, Ind.	29			0.64														.16			
Fort Worth, Tex.	1-2	4.12 a. m.[2]	3.15 a. m.[4]	2.25	7.30 a. m.[3]	7.42 a. m.[3]	0.27	0.25	0.53	0.61											
Fresno, Cal.	10			0.61														.19			
Galveston, Tex.	28			0.46														.39			
Grand Haven, Mich.	29			0.80														(*)			
Grand Junction, Colo.	7			0.10														(*)			
Grand Rapids, Mich.	29			0.55														(*)			
Green Bay, Wis.	29			0.39														(*)			
Hannibal, Mo.	28-29			0.55														(*)			
Harrisburg, Pa.	7			1.52														.21			
Hartford, Conn.	13-14			1.46														(*)			
Hatteras, N. C.	13	11.35 a. m.	7.35 p. m.	1.50	7.02 p. m.	7.14 p. m.	1.09	.07	.30	.41											
	28	11.07 a. m.	3.55 p. m.	0.71	3.25 p. m.	3.39 p. m.	0.34	.07	.30	.35											
Havre, Mont.	6-7			0.25														(*)			
Helena, Mont.	28			0.14														(*)			
Houghton, Mich.	14-15			0.82														(*)			
Houston, Tex.	1-2	4.20 p. m.[3]	5.45 a. m.[4]	7.40	6.18 p. m.[3]	7.46 p. m.	.11	.08	.27	.47	.77	1.12	1.33	1.62	1.90	2.08	2.25	2.54	3.21	3.42	
					8.46 p. m.	8.58 p. m.	3.69	.13	.36	.40											
					9.58 p. m.	11.06 p. m.	4.52	.08	.16	.30	.37	.43	.52	.59	.65	.70	.75	.93	1.14		
					4.23 a. m.[4]	4.44 a. m.	6.74	.10	.24	.44	.55	.59									
Do.	28	8.03 a. m.	7.20 p. m.	1.02	6.07 p. m.	6.43 p. m.	.27	.05	.28	.32	.44	.50	.53	.61	.65						
Huron, S. Dak.	7-8			0.14														(*)			
Independence, Cal.	16			0.44														(*)			
Indianapolis, Ind.	2			0.12														.11			
Iola, Kans.	20			0.44														(*)			
Jacksonville, Fla.	13			2.01														.67			
Kalispell, Mont.	26			0.19														(*)			
Kansas City, Mo.	11-12			0.41														(*)			
Keokuk, Iowa	29			0.56														(*)			
Key West, Fla.	16			1.85														.65			
Knoxville, Tenn.	24-25			2.68														(*)			
La Crosse, Wis.	20			0.21														(*)			
Lander, Wyo.	7-8			0.25														(*)			
Lansing, Mich.	29			0.46														(*)			
Lewiston, Idaho	28			0.17														.06			
Lexington, Ky.	19			0.83														.25			
Lincoln, Nebr.	20			0.44														(*)			
Little Rock, Ark.	12			1.59														.62			
Los Angeles, Cal.	1			0.76														.44			
Louisville, Ky.	29			0.61														.25			
Ludington, Mich.	29			0.54														(*)			
Lynchburg, Va.	29			0.51														.28			
Macon, Ga.	29			1.18														.45			

[1] Dec. 3. [2] Dec. 4. [3] Dec. 1. [4] Dec. 2. * Self-register not working.

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during December, 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.
Madison, Wis	29			0.93														(*)			
Marquette, Mich	29-30			0.32														(*)			
Memphis, Tenn	28			0.71														.37			
Meridian, Miss	24-25	7.30 p. m.	9.30 a. m.	0.99	2.19 a. m.	2.49 a. m.	.01	.05	.11	.21	.26	.46	.61								
Miami, Fla	13-14	11.01 p. m.	D. N. a. m.	0.84	1.30 a. m.	1.41 a. m.	.23	.18	.34	.39											
Milwaukee, Wis	29			0.56														(*)			
Minneapolis, Minn	20-21			0.11														(*)			
Mobile, Ala	28-29	5.20 p. m.	6.30 a. m.	2.12	3.45 a. m.	4.10 a. m.	.69	.30	.68	.99	1.16										
Modena, Utah	17			0.21														(*)			
Montgomery, Ala	3	5.28 p. m.	10.15 p. m.	1.64	6.04 p. m.	7.07 p. m.	.10	.10	.20	.36	.57	.82	.95	1.04	1.16	1.21	1.26	1.39	1.49		
	25	6.31 a. m.	11.50 a. m.	1.30	6.36 a. m.	7.12 a. m.	.01	.19	.38	.45	.48	.52	.57	.68	.72						
Moorhead, Minn	20			0.08														(*)			
Mount Tamalpais, Cal	9			1.26														.40			
Mount Weather, Va	13			0.80														(*)			
Nantucket, Mass	19			0.44														.36			
Nashville, Tenn	3			0.91														.46			
New Haven, Conn	13			1.76														.42			
New Orleans, La	29			0.62														.53			
New York, N. Y	21			0.96														0.24			
Norfolk, Va	28			0.42														.14			
Northfield, Vt	13-14			0.56														(*)			
North Head, Wash	7			0.64														.21			
North Platte, Nebr	19-20			0.38														(*)			
Oklahoma, Okla	24-25			1.67														(*)			
Omaha, Nebr	20			0.60														(*)			
Oswego, N. Y	13-14			1.54														(*)			
Palestine, Tex	24			1.63														.55			
Parkersburg, W. Va	4			1.29														.17			
Pensacola, Fla	12-13	7.02 p. m	5.05 a. m.	2.90	1.36 a. m.	3.14 a. m.	1.46	.09	.11	.17	.25	.35	.45	.58	.69	.80	.87	.98	1.14	1.33	
Peoria, Ill	18-19			0.50														(*)			
Philadelphia, Pa	7-8			4.22														(*)			
Phoenix, Ariz	21			0.30														.19			
Pirrre, S. Dak	7-8			0.17														(*)			
Pittsburgh, Pa	7-8			1.16														(*)			
Pocatello, Idaho	28			0.15														(*)			
Point Reyes Light, Cal	6			0.26														.21			
Port Huron, Mich	29			0.32														(*)			
Portland, Me	21			1.51														.26			
Portland, Oreg	25			0.65														.09			
Providence, R. I	13-14			0.90														(*)			
Pueblo, Colo	18-19			0.35														(*)			
Raleigh, N. C	4			0.58														.30			
Rapid City, S. Dak	6-7			0.34														(*)			
Reading, Pa	29			0.62														.34			
Red Bluff, Cal	9			1.61														.23			
Reno, Nev	9-10			0.21														(*)			
Richmond, Va	13			1.04														.28			
Rochester, N. Y	13-14			0.94														(*)			
Roseburg, Oreg	26			0.44														.19			
Roswell, N. Mex	24			0.72														(*)			
Sacramento, Cal	26			0.62														.20			
Saginaw, Mich	29-30			0.52														(*)			
St. Joseph, Mo	12			0.35														(*)			
St. Louis, Mo	3-4			0.55														(*)			
St. Paul, Minn	23			0.20														(*)			
Salt Lake City, Utah	11			0.18														(*)			
San Antonio, Tex	1			0.24														.11			
San Diego, Cal	1			0.54														0.37			
Sand Key, Fla	16			1.28														.54			
Sandusky, Ohio	8			0.75														(*)			
San Francisco, Cal	17			1.02														.35			
San Jose, Cal	16			0.62														.23			
San Luis Obispo, Cal	1			0.94														.50			
Santa Fe, N. Mex	19-20			0.72														(*)			
Sault Ste. Marie, Mich	14-15			0.59														(*)			
	19			0.43														(*)			
Savannah, Ga	29			0.77														.19			
Scranton, Pa	7-8			2.47														(*)			
Seattle, Wash	30			0.29														.23			
Sheridan, Wyo	7			0.07														(*)			
Shreveport, La	2			1.32														.49			
Sioux City, Iowa	20			0.56														(*)			
Spokane, Wash	27-28			0.45														(*)			
Springfield, Ill	29			0.67														(*)			
Springfield, Mo	1			0.88														.34			
Syracuse, N. Y	13-14			1.33														(*)			
Tacoma, Wash	30			0.29														.16			
Tampa, Fla	8	10.31 a. m.	1.27 p. m.	1.09	12.26 p. m.	1.09 p. m.	.12	.11	.19	.33	.35	.47	.69	.82	.87	.96					
	25-26	10.03 p. m.	D. N. a. m.	1.00	10.13 p. m.	10.33 p. m.	.01	.17	.45	.68	.75										
Tatoosh Island, Wash	29			0.51														.14			
Taylor, Tex	1			0.76														.31			
Terre Haute, Ind	3-4			0.57														(*)			
Thomasville, Ga	25	11.28 a. m.	4.20 p. m.	0.93	1.52 p. m.	2.15 p. m.	0.29	.05	.20	.34	.50	.53									
	29	6.55 a. m.	3.14 p. m.	2.00	10.34 a. m.	11.14 a. m.	0.95	.07	.11	.18	.29	.39	.49	.60	.75						
Toledo, Ohio	8-9			1.06														(*)			
Tonopah, Nev	16-17			0.52														(*)			
Topeka, Kans	20			0.39														(*)			
Valentine Nebr	7-8			0.38														(*)			
Vicksburg, Miss	28			1.16														.43			
Walla Walla, Wash	26-27			0.39														(*)			
Washington, D. C	29			0.54														.35			
Wichita, Kans	20			0.38														(*)			
Williston, N. Dak	24			0.11														(*)			
Wilmington, N. C	13			0.72														.31			
Winnemucca, Nev	4-5			0.27														(*)			
Wytheville, Va	4			1.79														.33			
Yankton, S. Dak	7-8			0.35														(*)			
Yellowstone Park, Wyo	11-12			0.03														(*)			

* Self-register not working.

TABLE III.—*Data furnished by the Canadian Meteorological Service, December, 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.*	*Inches.*
St. Johns, N. F	29.73	29.87	+0.07	24.8	−3.9	30.2	19.4	47	6	1.76	−3.27	8.0
Sydney, C. B. I	30.00	30.04	+ .05	26.3	−1.9	32.6	20.0	52	4	1.92	−2.71	11.0
Halifax, N. S	30.00	30.11	+ .15	22.4	−5.2	34.6	10.1	55	−14	4.32	−0.80	8.8
Yarmouth, N. S	30.04	30.11	+ .13	29.2	−1.5	35.5	22.8	53	6	3.80	−1.24	15.3
Charlottetown, P. E. I	30.02	30.06	+ .12	23.2	−1.1	28.9	17.4	47	− 9	1.58	−2.08	5.5
Chatham, N. B	30.09	30.12	+ .18	17.4	+0.4	26.3	8.5	49	−24	1.63	−1.59	9.6
Father Point, Que	30.05	30.08	+ .13	16.0	+0.6	22.6	9.4	44	−13	1.24	−1.59	10.4
Quebec, Que	29.78	30.12	+ .11	14.4	−0.8	21.3	7.5	44	−23	2.26	−1.43	16.0
Montreal, Que	29.94	30.16	+ .13	18.6	+0.3	24.8	12.3	48	−16	3.30	−0.35	27.8
Stonecliffe, Ont	29.51	30.14	+ .13	14.7	−0.3	23.0	6.4	43	−40	2.10	−0.39	19.0
Ottawa, Ont	29.89	30.24	+ .22	16.8	−0.2	25.0	8.6	45	−24	2.75	−0.16	19.1
Kingston, Ont	29.84	30.18	+ .14	23.8	+0.1	30.2	17.3	51	−20	2.47	−0.77	17.1
Toronto, Ont	29.74	30.14	+ .09	25.7	−1.3	31.5	20.0	54	− 7	1.76	−1.15	15.2
White River, Ont	28.70	30.09	+ .12	4.2	−5.5	18.2	−10.0	41	−46	1.50	−0.21	13.0
Port Stanley, Ont	29.48	30.15	+ .08	24.4	−4.0	31.3	17.6	54	−25	2.32	−0.10	17.2
Southampton, Ont	29.39	.....	.....	24.2	−2.5	29.5	18.9	53	− 2	3.91	−0.07	36.4
Parry Sound, Ont	29.40	30.14	+ .13	20.5	−0.7	29.3	11.7	51	−24	3.94	−0.54	38.5
Port Arthur, Ont	29.43	30.18	+ .19	11.5	−1.7	20.0	3.0	44	−20	0.23	−0.64	1.3
Winnipeg, Man	29.33	30.23	+ .21	1.2	−2.9	9.0	− 6.6	29	−27	1.40	+0.49	14.0
Minnedosa, Man	28.27	30.21	+ .19	2.2	−3.5	10.2	− 5.8	25	−32	0.33	−0.29	3.3
Qu'Appelle, Sask	27.77	30.16	+ .16	3.2	−4.2	10.7	− 4.4	26	−36	0.41	−0.11	4.1
Medicine Hat, Alberta	27.77	30.17	+ .20	13.0	−5.2	21.3	4.6	42	−12	0.90	+0.35	9.0
Swift Current, Sask	27.44	30.16	+ .17	9.6	−6.4	17.2	2.0	42	−16	0.97	+0.19	9.7
Calgary, Alberta	26.40	30.12	+ .18	13.0	−5.2	21.6	4.5	38	−10	0.75	+0.16	7.5
Banff, Alberta	25.35	30.20	+ .26	9.7	−9.4	18.1	1.3	31	−18	0.28	−0.93	2.8
Edmonton, Alberta	27.73	30.16	+ .23	9.0	−4.1	16.6	1.3	34	−20	1.49	+0.79	14.9
Prince Albert, Sask	28.51	30.18	+ .17	0.2	−2.6	4.0	− 3.6	22	−40	0.56	−0.18	5.6
Battleford, Sask	28.35	30.20	+ .21	5.9	+0.5	12.6	− 0.9	33	−28	0.82	+0.50	8.2
Kamloops, B. C	28.92	30.19	+ .25	21.5	−7.4	26.2	16.8	45	2	0.58	−0.20	5.8
Victoria, B. C	29.79	29.99	+ .02	29.6	−1.6	43.0	36.2	49	30	0.59	−7.39	1.0
Barkerville, B. C	25.61	30.09	+ .21	11.8	−9.1	16.9	6.7	32	− 8	3.10	−0.07	31.0
Hamilton, Bermuda	29.98	30.14	+ .02	67.0	+2.3	72.3	61.6	76	56	10.46	+5.97	.....