CONDENSED CLIMATOLOGICAL SUMMARY.

In the following table are given for the various sections of the climatological service of the Weather Bureau the average temperature and rainfall, the stations reporting the highest and lowest temperatures with dates of occurrence, the stations reporting the greatest and least monthly 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.

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION, BY SECTIONS, JULY, 1913.

Section.	Temperature (in °F.).								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	81.1	+ 1.0	Tuscaloosa	106	19	Riverton	51	8	5.00	− 0.33	Robertsdale	14.80	Tuscumbia	1.58
Arizona	78.6	− 2.0	Parker	121	15	Alpine	28	28	1.73	− 0.14	Fairbank	4.75	Sentinel	0.02
Arkansas	81.5	+ 1.6	4 stations	104	6	Dutton	55	21	4.31	+ 0.35	Wynne	11.54	Whitecliffs	0.52
California	73.1	− 0.9	Heber	119	10	Deer Creek	27	14	0.46	+ 0.42	Madeline	4.48	31 stations	0.00
Colorado	65.8	− 0.4	2 stations	109	2†	3 stations	24	12†	2.16	− 0.01	Fort Morgan	5.61	Lay	0.12
Florida	81.8	+ 0.7	Wausau	104	18	Fort Meade	61	10†	5.23	− 1.93	Johnstown	11.59	Malabar	0.26
Georgia	81.3	+ 1.2	Talbotton	110	19	Mineral Bluff	50	8	5.61	+ 0.09	Abbeville	12.43	2 stations	2.64
Hawaii (June)	72.7	.....	Honokaa	91	29	Humuula	36	2	6.78	.....	Olaa	19.99	Waiopae Ranch	0.00
Idaho	65.7	− 2.2	3 stations	105	6†	2 stations	22	14	1.92	+ 1.15	Spring Hill	6.35	Lewiston	0.10
Illinois	78.3	+ 2.7	4 stations	108	17†	Sycamore	41	25	2.12	− 1.54	Riley	6.55	Monmouth	0.05
Indiana	77.8	+ 2.8	4 stations	108	30	Hammond	39	23	3.27	− 0.58	Bluffton	8.83	Veedersburg	0.82
Iowa	76.1	+ 2.7	3 stations	108	16†	Washta	45	10	1.82	− 2.62	Lansing	6.23	2 stations	T.
Kansas	82.1	+ 4.4	Farnsworth	116	13	2 stations	47	12†	1.31	− 2.46	Fort Scott	8.28	Clay Center	0.00
Kentucky	79.9	+ 3.3	Greensburg	109	18	Farmers	48	7	2.54	− 2.07	Blandville	6.67	St. John	0.35
Louisiana	81.6	− 0.2	Liberty Hill	105	28	Walker	52	18†	7.19	+ 0.57	Donaldsonville	19.35	Shreveport	0.70
Maryland and Delaware.	75.9	+ 0.3	2 stations	102	1†	Deer Park, Md.	38	8	2.77	− 1.73	Deer Park, Md.	6.80	Delaware City, Del.	0.53
Michigan	68.4	− 0.1	Holland	102	30	Seney	30	25	3.24	+ 0.14	Pontiac	6.51	Port Austin	0.89
Minnesota	67.3	− 1.3	3 stations	100	29†	Littlefork	33	25	5.56	+ 2.22	Collegeville	15.16	Halstad	2.00
Mississippi	81.4	+ 0.5	Greenwood	104	19	Duck Hill	56	22	5.18	− 0.11	Merrill	10.77	Big Creek	0.69
Missouri	80.2	+ 3.2	2 stations	108	16†	Ironton	47	22	3.13	− 1.47	Cassville	7.68	Unionville	0.03
Montana	63.6	− 2.4	3 stations	102	7†	Bowen	18	14	1.63	+ 0.23	Valentine	4.98	Victor	0.35
Nebraska	75.9	+ 2.0	York	112	16	Curly	33	31	2.31	− 1.07	Curtis	6.33	Du Bois	0.13
Nevada	69.1	− 1.8	Logan	113	6†	San Jacinto	18	13	1.30	+ 0.95	Golconda	4.51	Caliente	T.
New England	69.6	+ 0.6	Franklin, N. H.	102	1	Houlton, Me.	32	25	2.66	− 1.33	St. Johnsbury, Vt.	7.56	Nantucket, Mass.	0.58
New Jersey	74.4	+ 0.6	4 stations	100	2†	Charlotteburg	41	12	2.52	− 2.32	Culvers Lake	4.72	Trenton	1.50
New Mexico	72.3	− 0.3	2 stations	109	11	Elizabethtown	28	28	1.27	− 1.15	Deming	3.95	Laguna	T.
New York	68.7	+ 0.2	3 stations	101	1†	2 stations	33	12	2.23	− 1.90	Port Jervis	6.92	Morrisville	0.42
North Carolina	78.2	+ 1.3	Monroe	106	19	Banners Elk	40	8	4.75	− 0.88	Newbern	10.60	Hot Springs	1.37
North Dakota	65.6	− 2.0	Forman	103	29	2 stations	35	24	2.30	− 0.37	Steele	4.96	Orange	0.89
Ohio	74.5	+ 1.0	3 stations	103	29†	Garrettsville	40	11	5.20	+ 1.11	Zanesville	13.12	Thurman	1.71
Oklahoma	83.9	+ 3.7	Meeker	111	30	2 stations	50	22	2.29	− 0.78	Weatherford	7.86	Hartshorne	0.04
Oregon	65.1	− 0.5	Blalock	109	20	Whitaker	23	13	1.19	+ 0.52	Riverside	4.60	Condon (2)	0.00
Pennsylvania	71.8	− 0.3	4 stations	101	1†	3 stations	40	22	4.16	− 0.33	Claysville	8.00	Lebanon	0.82
Porto Rico	77.5	− 1.2	2 stations	95	18†	Maricao	52	8	4.96	− 1.55	Coloso	17.21	Santa Isabel	0.23
South Carolina	81.9	+ 2.0	2 stations	109	19	Saluda	56	8	4.78	− 0.91	Beaufort	9.81	Effingham	1.15
South Dakota	71.1	− 0.4	Timber Lake	106	7	Pine Ridge	35	31	2.43	+ 0.01	Pearl Creek	5.68	Vale	0.19
Tennessee	80.0	+ 2.3	3 stations	104	18	Mountain City	45	8	3.45	− 0.96	Elizabethton	7.87	Dandridge	0.90
Texas	83.8	+ 1.2	3 stations	110	10†	Romero	49	28	1.29	− 1.62	Greenville	10.95	14 stations	0.00
Utah	69.5	− 2.4	St. George	111	5	Park City	21	7	1.24	+ 0.42	Park City	7.06	2 stations	T.
Virginia	76.0	+ 0.8	Ivor	102	2	Mountain Lake	37	8	4.33	− 0.32	Newport News	10.84	Emory	0.86
Washington	66.8	− 0.5	Hanford	110	23	Wilbur	27	14	0.59	+ 0.15	Goat Lake	4.46	8 stations	0.00
West Virginia	74.2	+ 1.1	Point Pleasant	103	30	Bayard	40	8	5.80	+ 1.17	Glenville	10.07	Madison	2.14
Wisconsin	68.3	− 0.7	Beloit (3)	100	30	Hayward	31	25	6.47	+ 2.57	Prentice	10.81	Plymouth	3.40
Wyoming	61.7	− 1.3	Fort Laramie	103	6	Fountain, Y. N. P.	19	30	2.36	+ 1.00	Lake, Y. N. P.	6.58	Hyattville	0.12

TABLE I.—*Climatological data for United States Weather Bureau stations, July, 1913.*

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.						
New England.							**69.8**	**+1.0**										**72**	**2.06**	**− 1.5**										**5.0**		
Eastport	76	67	85	29.80	29.88	−0.05	62.0	+ 2.2	87	4	71	48	1	53	33	57	54	79	2.68	− 0.7	13	5,876	s.	29	s.	10	7	16	8	6.1		
Greenville	1,070	6		28.74	29.89		64.4		90	4	75	43	9	54	34				5.01		14											
Portland, Me.	103	82	117	29.80	29.92	− .03	68.6	+ 0.6	101	1	78	52	9	60	38	61	56	67	2.27	− 1.0	10	7,037	s.	31	s.	23	13	8	10	5.3		
Concord	288	70	79	29.61	29.91	− .05	70.0	+ 0.9	99	1	83	45	12	57	43				1.25	− 2.5	10	3,966	nw.	28	w.	13	12	13	6	4.7		
Burlington	404	11	48	29.47	29.90	− .04	68.5	+ 0.3	94	4	79	46	12	58	34				2.83	− 1.0	14	7,353	s.	37	s.	9	5	13	13	6.0		
Northfield	876	12	60	28.99	29.92	− .02	65.3	− 1.3	95	1	78	42	26	52	42	60	56	70	3.37	− 0.3	13	5,132	s.	29	sw.	9	5	17	9	5.9		
Boston	125	115	188	29.79	29.92	− .04	73.8	+ 2.5	96	1	83	60	26	65	27	64	59	65	2.69	− 0.7	9	7,532	sw.	39	n.	30	11	15	5	4.7		
Nantucket	12	14	90	29.94	29.95	− .03	69.8	+ 2.3	87	2	77	58	3	63	22	65	63	83	0.58	− 2.1	4	10,554	sw.	37	se.	18	15	15	1	3.8		
Block Island	26	11	46	29.92	29.95	− .02	70.4	+ 2.3	88	2	77	60	12	64	23	65	63	82	1.23	− 2.1	9	10,505	sw.	48	ne.	30	13	15	3	4.5		
Narragansett		9					69.4	− 0.5	94	2	78	51	8	60	28				2.29		7		sw.				28	2	1			
Providence	160	141	165	29.77	29.94	− .03	73.4	0.0	93	1	83	57	8	64	25	65	60	68	2.29	− 1.2	9	8,821	sw.	48	nw.	10	11	18	2	4.2		
Hartford	159	122	140	29.77	29.94	− .03	73.2	+ 1.6	95	1	84	53	12	62	29	64	59	66	1.83	− 2.3	8	5,897	s.	32	s.	10	6	20	5	5.2		
New Haven	106	117	155	29.84	29.95	− .02	73.5	+ 1.6	95	30	84	54	12	64	25	64	59	65	1.69	− 3.1	9	6,411	s.	35	sw.	13	9	18	4	4.5		
Middle Atlantic States.							**75.2**	**+ 0.8**										**69**	**3.32**	**− 1.0**										**4.5**		
Albany	97	102	115	29.82	29.92	− .04	72.8	+ 0.8	99	1	84	49	12	62	33	63	57	61	1.82	− 2.1	10	5,574	s.	30	sw.	9	18	11	2	3.3		
Binghamton	871	10	69	29.05	29.96	− .01	69.3	− 0.6	97	1	81	46	12	57	40				1.55	− 2.0	10	3,738	sw.	28	s.	9	6	14	11	5.9		
New York	314	414	454	29.63	29.96	− .02	75.0	+ 1.5	95	30	83	57	7	67	23	65	60	65	3.02	− 1.5	7	11,114	nw.	50	w.	13	15	9	7	4.6		
Harrisburg	374	94	104	29.59	29.98	.00	75.6	+ 1.1	98	1	85	57	26	66	28	65	60	62	2.92	− 1.0	9	4,161	nw.	33	w.	23	9	14	8	5.3		
Philadelphia	117	123	184	29.86	29.98	.00	78.0	+ 2.2	97	2	87	61	7	69	25	67	62	64	4.29	0.0	9	6,710	nw.	35	nw.	24	13	14	4	4.3		
Reading	325	81	98	29.63	29.97		75.6		97	29	86	56	26	65	28	66	61	64	2.35		9	4,747	nw.	33	nw.	23	11	11	9	5.4		
Scranton	805	111	119	29.13	29.98	.00	71.6	− 0.2	96	1	82	52	26	61	31	66	63	77	4.97	+ 1.1	10	4,923	s.	32	sw.	12	12	13	6	4.5		
Atlantic City	52	37	48	29.93	29.98	.00	74.1	+ 1.6	90	19	81	59	8	68	23	67	64	74	1.56	− 2.2	8	5,475	sw.	30	n.	2	16	11	4	4.0		
Cape May	17	13	49	29.98	30.00	+ .02	74.2	+ 0.8	91	2	81	61	16	67	24	69	67	82	3.46	− 0.3	7	5,277	s.	36	nw.	2	15	16	0	3.4		
Trenton	190	159	183	29.76	29.96		75.6		97	30	86	58	7	65	27	65	60	63	1.50		8	7,821	sw.	72	w.	24	16	8	7	4.3		
Baltimore	123	100	113	29.86	29.98	.00	78.6	+ 1.3	98	2	88	61	7	70	24	68	62	63	2.63	− 2.2	10	4,978	s.	31	n.	2	10	17	4	4.3		
Washington	112	62	85	29.87	29.98	− .02	77.6	+ 0.8	97	29	88	58	26	67	31	68	63	66	3.24	− 1.4	11	4,527	w.	68	ne.	30	13	13	5	4.2		
Lynchburg	681	83	88	29.29	30.01	.00	78.6	+ 1.3	99	30	88	57	8	69	26	70	66	70	1.53	− 2.5	6	1,968	sw.	14	sw.	12	11	20	0	4.7		
Mount Weather	1,725	10	75	28.22	29.98	− .01	71.6	+ 0.2	90	29	80	51	7	64	22	64	60	72	2.24	− 2.4	11	9,988	nw.	56	w.	14	8	18	5	5.4		
Norfolk	91	170	205	29.92	30.02	+ .02	78.2	− 0.2	97	2	86	61	8	70	26	71	68	76	10.24	+ 4.4	12	7,458	sw.	60	n.	2	13	11	7	4.7		
Richmond	144	11	52	29.86	30.01	.00	79.0	− 0.2	97	30	89	60	8	69	26	70	66	72	3.65	− 0.8	12	4,652	s.	36	sw.	12	12	14	5	4.4		
Wytheville	2,293	40	47	27.73	30.02	+ .02	73.6	+ 1.0	92	30	84	47	8	63	34	67	65	80	2.66	− 1.8	12	3,349	w.	20	nw.	19	13	17	1	4.0		
South Atlantic States.							**80.5**	**+ 1.5**										**78**	**5.06**	**− 1.0**										**5.0**		
Asheville	2,255	70	84	27.78	30.05	+ .03	74.0	+ 2.3	94	19	84	51	8	64	30	67	65	79	3.16	− 1.7	13	3,934	nw.	30	n.	7	7	15	9	5.9		
Charlotte	773	68	76	29.22	30.04	+ .02	80.4	+ 1.7	102	19	90	61	8	70	30	72	69	76	4.42	− 1.1	11	4,247	sw.	35	w.	24	6	15	10	6.0		
Hatteras	11	12	50	29.99	30.00	− .01	78.8	+ 0.2	89	5	84	65	8	74	15	74	73	84	3.78	− 2.4	10	9,825	sw.	54	nw.	15	5	21	5	5.3		
Manteo	12	12	46				79.7		97	6	89	53	8	70					3.22	− 2.9	9		sw.				19	11	1			
Raleigh	376	103	110	29.63	30.01	− .01	80.0	+ 1.5	99	18	90	64	8	70	30	71	68	75	5.51	− 0.6	12	5,150	sw.	40	s.	3	8	18	5	5.1		
Wilmington	78	81	91	29.96	30.04	+ .03	80.0	+ 1.3	96	3	88	66	8	72	21	74	72	84	5.93	− 1.0	13	5,365	sw.	37	n.	19	6	21	4	4.9		
Charleston	48	11	92	30.01	30.06	+ .03	82.6	+ 1.3	95	3	89	71	15	76	23	76	73	77	5.51	− 1.8	8	7,510	s.	45	n.	15	7	15	9	5.6		
Columbia, S. C.	351	41	57	29.67	30.04	+ .02	82.2	+ 1.1	102	19	92	65	8	72	33	72	69	74	5.82	− 0.2	12	4,647	sw.	36	e.	19	7	14	10	5.6		
Augusta	180	89	97	29.85	30.04	+ .02	82.4	+ 1.9	102	19	92	68	8	73	26	73	70	73	5.48	+ 0.2	9	3,985	s.	36	ne.	31	7	10	14	6.1		
Savannah	65	150	194	29.99	30.06	+ .03	82.4	+ 1.9	97	3	91	69	17	74	23	74	72	80	6.53	+ 0.4	13	7,470	sw.	44	n.	17	3	19	9	5.9		
Jacksonville	43	96	129	30.03	30.08	+ .05	82.3	+ 1.4	97	16	91	61	13	73	25	74	72	79	6.28	+ 0.1	15	5,608	sw.	50	sw.	20	11	19	1	4.5		
Florida Peninsula.							**81.7**	**0.0**										**76**	**3.66**	**−2.8**										**4.3**		
Key West	22	10	64	30.04	30.06	+ .03	82.8	− .09	90	17	88	73	11	78	14	75	73	74	1.00	− 2.6	9	7,114	se.	31	sw.	8	15	15	1	4.0		
Miami	25	37	72	30.07	30.10		81.3	− .06	91	18	88	70	14	75	19	75	72	73	2.98	− 4.3	11	5,191	se.	22	sw.	7	2	26	3	5.6		
Sand Key	23	39	72	30.02	30.05	+ .02	80.7		88	6	83	69	7	78	15	76	73	77	1.95		9	8,887	e.	37	ne.	14	15	15	1	4.1		
Tampa	35	79	96	30.05	30.08	+ .04	81.2	+ 1.2	93	29	90	65	24	73	28	75	73	80	7.01	− 1.4	19	3,959	e.	33	ne.	3	9	20	2	4.7		
Titusville	44	6		30.04	30.09		81.5	+ 0.4	96	20	92	67	10	72	26				3.87		12		se.				18	13	0	3.3		
East Gulf States.							**81.1**	**+ 0.8**										**77**	**4.63**	**− 0.7**										**5.7**		
Atlanta	1,174	190	216	28.86	30.07	+ .02	79.6	+ 2.0	99	19	89	65	8	70	25	70	67	75	4.85	+ 0.1	17	6,571	sw.	42	w.	15	10	6	15	5.9		
Macon	370	78	87	29.66	30.05	+ .03	81.7	+ 2.0	104	19	91	67	9	72	28	73	70	75	6.56	+ 1.9	13	3,669	s.	26	s.	24	8	10	13	5.9		
Thomasville	273	8	57	29.78	30.06	+ .03	82.3	+ 0.5	104	18	93	69	27	72	29	74	72	80	4.78	− 0.5	12	3,087	sw.	24	s.	23	9	13	9	5.4		
Pensacola	56	140	182	30.02	30.08	+ .07	81.0	− 0.4	97	18	87	69	23	75	20	74	72	77	7.96	+ 0.7	16	8,130	s.	49	s.	23	7	16	8	5.9		
Anniston	741	9	57	29.31	30.09	+ .07	79.8	+ 1.9	100	19	90	61	8	70	31				4.12	− 0.6	14	3,366	s.	33	n.	20	9	14	8	4.8		
Birmingham	700	11	48	29.33	30.08	+ .07	80.6	− 0.9	99	19	90	68	21	71	30	72	68	74	4.72	0.0	13	3,980	s.	31	se.	19	12	12	7	4.9		
Mobile	57	98	106	30.01	30.07	+ .06	81.4	+ 0.9	98	6	89	70	6	74	28	74	72	79	4.41	− 2.6	18	4,604	sw.	35	ne.	6	5	18	8	5.7		
Montgomery	223	100	112	29.83	30.07	+ .05	82.0	+ 1.0	101	19	92	69	15	73	28	73	70	75	2.30	− 2.4	12	4,372	sw.	33	se.	19	9	11	11	5.7		
Meridian	375	84	93	29.67	30.05	+ .03	80.6	+ 0.6	97	19	90	68	9	71	26	72	70	78	4.77	+ 0.3	11	3,081	sw.	23	sw.	10	4	13	14	6.7		
Vicksburg	247	62	74	29.80	30.07	+ .07	81.4	+ 1.0	97	8	90	69	22	73	25	73	71	77	1.06	− 3.4	8	4,007	sw.	34	nw.	8	4	18	9	6.0		
New Orleans	51	90	121	30.01	30.06	+ .06	81.6	+ 0.3	96	19	89	68	6	74	26	75	73	80	5.37	− 1.1	16	4,709	s.	42	s.	23	8	12	11	5.7		
West Gulf States.							**83.1**	**+ 1.1**										**71**	**2.05**	**− 1.2**										**3.3**		
Shreveport	249	77	93	29.77	30.03	+ .05	83.3	+ 1.2	99	19	93	70	31	74	24	74	71	72	0.70	− 3.0	7	4,921	s.	32	s.	25	14	11	6	4.0		
Bentonville	1,303	11	44	28.67	30.00	+ .03	79.4	+ 0.9	100	9	91	60	22	68	30				4.64	+ 0.3	9	3,775	s.	20	nw.	11	13	14	4	4.2		
Fort Smith	457	79	94	29.51	29.98	+ .01	83.0	+ 2.0	101	9	94	66	12	72	32	72	68	68	3.69	− 0.2	10	4,662	e.	31	n.	9	11	12	8	5.0		
Little Rock	357	139	147	29.65	30.02	+ .03	81.6	+ 1.0	98	19	90	67	19	73	31	74	71	75	3.74	− 0.2	11	5,910	sw.	33	ne.	19	13	13	5	4.3		
Brownsville	57	3	40				81.4		96	20	89	69	10	73	25				0.28		3		se.	30								
Corpus Christi	20	69	77	30.01	30.03	+ .07	81.4	− 1.3	94	20	87	72	20	76	22	76	74	82	1.18	− 0.5	3	9,972	se.	39	se.	11	19	12	0	2.8		
Fort Worth	670	106	114	29.28	29.97	+ .01	85.1	+ 1.4	106	10	96	65	24	74	38	71	65	58	4.36	+ 1.3	6	7,879	s.	48	sw.	26	16	12	3	4.0		
Galveston	54	106	114	30.00	30.06	+ .08	83.2	+ 0.2	99	20	88	75	20	78	24	76	74	77	1.48	− 2.5	6	8,036	s.	36	e.	8	25	5	1	2.2		
Houston	138	111	121	29.90	30.04		84.0	+ 1.0	101	20	94	72	21	75	27				1.37		5	5,561	s.	31	ne.	20	20	9	2	3.3		
Palestine	510	64	72	29.50	30.02	+ .05	83.7	+ 2.2	99	8	94	67	21	73	29	73	69	69	0.71	− 2.3	2	5,365	s.	32	n.	20	24	7	0	2.0		
San Antonio	701	80	91	29.29	30.00	+ .05	84.5	+ 2.1	101	20	95	71	19	74	28	72	67	64	0.03	− 2.2	1	4,698	s.	24	ne.	20	28	3	0	1.8		
Taylor	583	55	63	29.43	30.04	+ .08	84.6	+ 1.9	102	20	96	70	17	73	29				0.01	− 2.6	1	7,029	s.	28	n.	20	19	11	1	3.2		
Ohio Valley and Tennessee.							**78.4**	**+ 1.6**										**68**	**3.83**	**− 0.2**										**4.6**		
Chattanooga	762	189	213	29.27	30.06	+ .04	80.8	+ 3.0	98	18	90	65	12	71	26	71	66	68	4.40	+ 0.5	9	5,369	sw.	28	sw.	11	7	14	10	5.6		
Knoxville	996	93	100	29.01	30.04	+ .02	80.1	+ 3.9	100	18	90	62	8	70	25	70	67	69	3.77	− 0.4	12	3,482	sw.	24	n.	19	5	19	7	5.7		
Memphis	399	76	97	29.64	30.06	+ .06	81.0	+ 0.3	95	6	88	69	12	74	21	73	70	73	5.91	+ 2.4	9	5,545	sw.	38	nw.	8	17	4	10	4.4		
Nashville	546	168	191	29.48	30.05	+ .04	81.5	+ 2.1	98	18	91	63	22	72	30	71	67	68	4.09	− 0.3	6	5,410	w.	35	sw.	1	11	8	12	5.2		
Lexington	989	75	102	28.99	30.03	+ .02	78.2	+ 1.6	99	30	88	58	21	68	27				2.43	− 2.0	10	6,227	sw.	51	w.	19	12	16	3	4.4		

TABLE I.—*Climatological data for United States Weather Bureau stations, July, 1913*—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*—Continued.**							**78.4**	**+ 1.6**										**68**	**3.83**	**− 0.2**									**4.6**		
Louisville	525	219	255	29.45	30.02	+ .02	81.4	+ 2.8	104	18	91	59	25	71	26	70	64	60	1.48	− 2.3	7	7,778	sw.	54	nw.	19	16	12	3	4.1	.....	.....
Evansville	431	72	82	29.54	30.00	.00	81.4	+ 2.1	102	18	91	62	21	72	26	71	67	66	1.35	− 2.5	6	5,518	sw.	38	sw.	11	14	15	2	3.9	.....	.....
Indianapolis	822	154	164	29.13	30.00	+ .01	77.9	+ 1.7	102	30	88	54	25	68	29	68	63	66	3.88	− 0.2	12	6,701	sw.	49	se.	31	8	21	2	5.1	.....	.....
Terre Haute	575	96	129	29.38	29.98	.....	79.8	.....	101	17	91	54	25	68	30	69	63	62	0.91	.....	8	6,451	sw.	29	ne.	8	6	22	3	5.1	.....	.....
Cincinnati	628	152	160	29.35	30.01	+ .01	80.0	+ 2.3	101	30	90	60	25	70	27	70	65	65	2.37	− 1.2	11	4,822	w.	33	nw.	9	10	17	4	4.6	.....	.....
Columbus	824	173	222	29.15	30.00	.00	76.5	+ 1.2	97	30	88	54	7	66	30	67	63	67	2.88	− 0.8	10	7,386	sw.	46	nw.	9	17	13	1	2.9	.....	.....
Dayton	899	181	216	29.06	29.98	.....	76.6	+ 0.4	99	30	87	55	25	66	29	68	63	66	2.90	− 0.4	11	7,076	sw.	54	nw.	14	16	13	2	3.8	.....	.....
Pittsburgh	842	353	410	29.11	29.99	− .01	73.6	− 1.0	93	1	83	54	11	64	29	65	61	69	4.86	+ 0.4	12	7,026	sw.	44	nw.	6	14	10	7	4.3	.....	.....
Elkins	1,940	41	50	28.04	30.02	+ .01	71.4	+ 0.9	94	1	83	46	5	59	34	65	63	82	8.67	+ 4.0	18	2,296	w.	19	ne.	30	7	16	8	5.6	.....	.....
Parkersburg	638	77	84	29.33	30.03	+ .02	77.0	+ 1.4	99	1	88	57	22	66	29	70	67	77	4.64	0.0	12	3,519	s.	35	nw.	12	19	8	4	3.6	.....	.....
Lower Lake Region.							**71.4**	**− 0.3**										**67**	**2.48**	**− 0.9**									**4.1**		
Buffalo	767	247	280	29.15	29.96	− .01	69.2	− 1.0	93	31	76	52	7	62	25	63	59	70	1.03	− 2.4	10	10,937	sw.	66	sw.	12	14	12	5	4.1	.....	.....
Canton	448	10	61	29.45	29.91	.....	68.2	− 2.3	95	4	80	47	8	56	38	.....	.....	.....	2.13	− 1.1	15	7,418	sw.	42	sw.	6	8	12	11	5.7	.....	.....
Oswego	335	76	91	29.57	29.93	− .03	68.8	− 0.8	95	4	77	51	12	61	32	62	58	72	2.33	− 0.9	11	6,329	nw.	28	w.	12	15	10	6	4.1	.....	.....
Rochester	523	86	102	29.40	29.96	− .01	71.0	+ 0.6	95	4	81	50	11	61	29	62	56	63	2.08	− 1.0	10	6,086	w.	39	w.	13	16	11	4	3.9	.....	.....
Syracuse	597	97	113	29.33	29.96	− .01	70.4	− 0.4	93	4	80	52	11	61	31	62	56	62	0.95	− 2.7	5	8,350	nw.	54	sw.	23	17	9	5	4.0	.....	.....
Erie	714	92	102	29.23	29.98	.00	70.4	− 1.4	87	4	77	51	11	64	22	64	61	71	1.36	− 1.8	12	6,512	w.	35	nw.	6	11	17	3	4.1	.....	.....
Cleveland	762	190	201	29.18	29.99	.00	71.8	− 0.7	90	3	79	50	11	64	25	65	60	68	4.85	+ 1.3	12	8,362	se.	66	nw.	27	7	20	4	4.9	.....	.....
Sandusky	629	62	70	29.32	29.99	.00	73.8	+ 0.2	95	4	82	54	11	66	29	66	61	67	2.19	− 1.6	14	5,495	sw.	36	nw.	5	8	18	5	4.9	.....	.....
Toledo	628	208	246	29.32	29.99	.00	74.2	+ 0.5	94	4	84	52	7	65	25	65	60	65	3.38	+ 0.1	14	9,038	sw.	55	sw.	13	24	6	1	2.6	.....	.....
Fort Wayne	856	113	124	29.09	29.99	.....	75.1	+ 1.6	95	30	86	53	7	64	30	66	62	68	3.65	.....	11	6,151	nw.	37	s.	8	23	7	1	2.2	.....	.....
Detroit	730	218	258	29.21	29.99	+ .01	72.9	+ 0.9	95	4	82	50	7	64	27	64	59	67	4.48	+ 1.0	12	7,913	n.	48	w.	5	12	17	2	4.4	.....	.....
Upper Lake Region.							**67.1**	**+ 1.0**										**70**	**3.73**	**+ 0.6**									**4.7**		
Alpena	609	13	92	29.30	29.97	.00	65.4	− 0.4	95	3	76	44	25	55	31	60	56	73	1.90	− 1.2	9	8,199	nw.	52	sw.	27	7	21	3	4.9	.....	.....
Escanaba	612	54	60	29.30	29.96	− .01	64.3	− 2.2	88	1	73	44	21	56	25	59	55	72	4.87	+ 1.5	15	6,401	s.	33	nw.	3	12	11	8	4.8	.....	.....
Grand Haven	632	54	92	29.30	29.96	− .02	69.1	− 0.6	94	30	78	49	25	61	34	63	58	70	1.57	− 1.0	9	7,837	nw.	36	s.	12	18	10	3	3.2	.....	.....
Grand Rapids	707	70	87	29.22	29.97	− .01	72.8	+ 0.2	96	30	83	50	25	62	30	63	58	61	1.96	− 0.7	9	4,621	w.	30	w.	12	13	14	4	4.1	.....	.....
Houghton	684	62	72	29.21	29.93	− .03	62.1	− 3.2	84	3	71	46	10	53	27	.....	.....	.....	3.23	+ 0.1	12	6,671	w.	48	w.	31	8	15	8	5.3	.....	.....
Lansing	878	11	62	29.05	29.97	.....	70.8	− 0.3	94	3	83	44	7	58	34	63	59	70	2.85	− 0.4	10	3,690	nw.	25	nw.	6	11	15	5	4.3	.....	.....
Ludington	637	60	66	29.28	29.97	.....	66.2	.....	90	30	75	47	11	58	30	60	57	73	4.32	.....	14	6,973	s.	40	s.	8	13	13	5	4.1	.....	.....
Marquette	734	77	111	29.18	29.97	+ .01	63.1	− 1.8	91	3	72	46	6	54	30	57	52	67	3.71	+ 0.6	16	7,333	nw.	42	sw.	3	15	7	9	4.7	.....	.....
Port Huron	638	70	120	29.29	29.98	.00	69.0	0.0	91	29	79	48	11	59	29	62	58	71	4.30	+ 1.6	10	6,809	ne.	39	nw.	6	11	18	2	4.2	.....	.....
Saginaw	641	62	64	29.28	29.97	.....	70.2	.....	94	3	81	46	7	59	31	62	57	66	4.75	+ 1.0	8	4,398	sw.	29	.....	13	11	15	5	4.7	.....	.....
Sault Ste. Marie	614	11	61	29.27	29.96	− .01	61.4	− 0.5	86	3	72	44	11	51	31	56	53	77	5.04	+ 2.3	11	6,612	w.	39	nw.	6	9	14	8	5.5	.....	.....
Chicago	823	140	310	29.13	29.99	+ .01	74.9	+ 2.5	99	29	82	59	21	67	29	66	62	67	3.30	− 0.3	8	8,489	ne.	47	ne.	8	19	6	6	3.6	.....	.....
Green Bay	617	109	144	29.29	29.95	− .02	68.8	− 0.7	90	3	78	50	21	60	28	63	60	74	4.91	+ 1.4	14	7,572	sw.	50	nw.	5	4	12	15	7.0	.....	.....
Milwaukee	681	119	133	29.25	29.98	+ .01	70.0	+ 0.3	93	27	79	54	21	61	30	62	58	69	3.59	+ 0.6	11	6,570	ne.	39	e.	5	16	11	4	3.6	.....	.....
Duluth	1,133	11	47	28.76	29.96	+ .01	60.4	− 5.6	82	8	69	43	11	52	25	56	53	77	6.18	+ 2.5	16	8,918	ne.	36	w.	5	5	12	14	6.2	.....	.....
North Dakota.							**66.2**	**− 2.9**										**68**	**2.47**	**− 0.4**									**4.0**		
Moorhead	940	8	57	28.96	29.96	+ .02	67.0	− 1.7	94	29	79	46	24	55	37	61	57	74	3.26	− 0.5	12	5,148	nw.	42	nw.	29	20	9	2	2.8	.....	.....
Bismarck	1,674	8	57	28.22	29.98	+ .05	67.6	− 2.6	98	29	81	46	13	54	44	60	56	68	2.72	+ 0.6	7	7,260	nw.	43	w.	11	15	13	3	3.9	.....	.....
Devils Lake	1,482	11	44	28.38	29.93	.00	64.2	− 3.9	95	29	76	44	20	53	38	58	53	69	1.47	− 2.3	12	7,836	w.	40	w.	8	13	9	9	5.1	.....	.....
Williston	1,872	40	47	27.99	29.93	+ .01	65.8	− 3.6	92	29	79	42	27	53	39	56	49	60	2.43	+ 0.4	5	6,215	n.	41	nw.	29	16	10	5	4.4	.....	.....
Upper Mississippi Valley.							**76.7**	**− 1.3**										**65**	**3.07**	**− 0.6**									**4.2**		
Minneapolis	918	102	208	.....	.....	.....	70.4	.....	97	30	80	53	24	61	30	.....	.....	.....	7.75	+ 3.9	15	8,285	w.	50	w.	31	11	12	8	5.1	.....	.....
St. Paul	837	201	236	29.06	29.95	.00	69.9	− 2.2	96	30	80	53	11	60	30	62	58	69	6.11	+ 2.7	15	9,108	nw.	58	w.	31	14	12	5	4.4	.....	.....
La Crosse	714	11	48	29.19	29.94	− .02	71.8	− 0.8	95	30	83	53	25	61	28	.....	.....	.....	5.71	+ 1.6	14	3,405	s.	30	nw.	4	9	15	7	5.0	.....	.....
Madison	974	70	78	28.95	29.97	.00	71.4	− 1.0	94	30	81	50	11	62	28	65	62	74	8.47	+ 4.5	14	6,144	sw.	41	ne.	8	15	11	5	4.2	.....	.....
Charles City	1,015	10	49	28.91	29.96	.00	72.5	− 1.0	100	30	85	50	21	60	33	65	61	69	2.82	− 0.8	11	4,668	se.	30	w.	12	7	18	6	5.2	.....	.....
Davenport	606	71	79	29.32	29.96	− .01	78.1	+ 2.7	102	29	89	54	11	67	33	68	62	60	0.18	− 3.4	4	5,280	sw.	27	w.	12	19	9	3	3.5	.....	.....
Des Moines	861	84	97	29.05	29.94	− .02	78.2	+ 2.7	101	29	89	56	21	68	30	67	62	60	1.05	− 2.8	5	5,443	sw.	32	sw.	8	18	9	4	3.3	.....	.....
Dubuque	698	81	96	29.24	29.97	.00	75.0	+ 0.3	100	30	86	55	11	65	31	66	62	65	2.31	− 2.0	7	4,712	s.	24	se.	8	14	12	5	4.4	.....	.....
Keokuk	614	64	78	29.32	29.98	.00	79.6	+ 2.6	102	29	90	58	25	70	31	69	64	61	0.09	− 3.9	4	5,365	s.	27	sw.	12	19	10	2	3.0	.....	.....
Cairo	356	87	93	29.63	30.00	.00	80.4	+ 1.8	99	18	89	65	22	72	27	73	70	75	4.19	+ 0.7	9	5,408	sw.	32	sw.	1	7	17	7	5.5	.....	.....
La Salle	536	56	64	29.44	30.00	+ .03	76.8	+ 1.5	103	30	89	49	11	65	39	.....	.....	.....	1.42	− 1.8	7	5,112	sw.	42	ne.	8	13	16	2	4.0	.....	.....
Peoria	609	11	45	29.34	29.99	+ .01	78.5	+ 3.1	103	29	90	52	21	66	36	68	63	63	0.46	− 2.5	6	4,573	s.	28	w.	12	18	11	2	3.3	.....	.....
Springfield, Ill	644	10	91	29.31	29.98	.00	80.0	+ 3.5	103	29	91	56	25	69	34	69	63	60	1.66	− 1.2	6	5,548	sw.	30	e.	15	15	13	3	4.1	.....	.....
Hannibal	534	74	109	29.41	29.97	− .01	80.6	+ 3.2	102	17	91	58	22	70	30	.....	.....	.....	0.27	− 3.5	5	6,497	sw.	29	sw.	14	16	11	4	4.2	.....	.....
St. Louis	567	208	217	29.40	29.99	.00	80.8	+ 1.7	102	18	90	64	25	72	23	70	65	63	3.61	+ 0.2	8	6,829	s.	44	s.	14	12	14	5	4.5	.....	.....
Missouri Valley.							**77.9**	**+ 2.1**										**59**	**2.70**	**− 1.1**									**3.3**		
Columbia, Mo	784	11	84	29.18	29.99	+ .01	80.1	+ 2.7	100	29	91	59	22	70	31	.....	.....	.....	3.38	− 0.3	10	4,920	s.	37	nw.	11	11	14	6	5.0	.....	.....
Kansas City	963	161	181	28.94	29.94	− .03	81.6	+ 4.0	103	15	92	62	19	72	27	68	62	57	3.86	− 1.0	7	8,042	s.	57	nw.	11	18	12	1	3.4	.....	.....
St. Joseph	967	11	49	29.94	29.94	.....	81.6	.....	104	15	92	61	21	71	31	68	62	57	1.61	.....	4	5,727	s.	39	n.	7	19	9	3	3.3	.....	.....
Springfield, Mo	1,324	98	104	28.63	30.01	+ .03	79.2	+ 2.8	96	18	89	63	2	70	26	69	65	67	3.84	− 1.0	9	6,728	s.	41	nw.	11	17	12	2	3.0	.....	.....
Iola	984	11	50	28.95	29.96	− .01	81.6	+ 3.5	102	18	94	57	21	69	37	.....	.....	.....	2.30	− 1.6	8	4,829	s.	22	nw.	11	18	12	1	3.0	.....	.....
Topeka	983	85	101	.....	.....	.....	81.8	+ 4.2	104	16	93	61	21	70	31	.....	.....	.....	1.57	− 3.3	4	7,317	s.	35	s.	14	20	10	1	2.4	.....	.....
Lincoln	1,189	11	84	28.69	29.92	− .03	81.0	+ 4.6	109	16	94	54	21	68	34	66	59	54	1.95	− 1.9	10	7,850	s.	39	w.	28	22	6	3	2.9	.....	.....
Omaha	1,105	115	121	28.78	29.93	− .02	79.8	+ 3.3	104	16	91	61	12	69	31	67	61	58	1.92	− 2.4	8	5,803	s.	31	nw.	22	20	9	2	3.3	.....	.....
Valentine	2,598	47	54	27.31	29.98	+ .05	72.0	− 1.2	98	7	85	44	31	59	39	61	54	60	3.94	+ 0.5	10	7,158	ne.	52	nw.	15	21	8	2	2.8	.....	.....
Sioux City	1,135	94	164	28.75	29.93	− .02	76.6	+ 2.4	100	30	88	54	21	65	36	66	60	61	1.92	− 1.7	8	8,503	s.	44	nw.	4	23	7	1	2.5	.....	.....
Huron	1,306	56	67	28.59	29.96	+ .02	71.0	− 0.5	99	29	84	50	31	58	33	63	58	68	3.82	+ 0.9	11	6,778	n.	44	nw.	8	16	13	2	3.3	.....	.....
Pierre	1,572	70	75	28.33	29.96	+ .02	74.8	− 0.4	102	29	87	56	13	63	36	61	52	52	2.12	− 0.2	6	7,862	e.	44	sw.	10	17	9	5	3.9	.....	.....
Yankton	1,233	49	57	28.63	29.92	− .02	74.8	+ 0.2	98	26	87	50	24	63	36	.....	.....	.....	1.82	− 1.7	9	5,058	e.	26	s.	25	12	17	2	4.4	.....	.....
Northern Slope.							**66.2**	**− 1.9**										**56**	**1.49**	**− 0.1**									**4.1**		
Havre	2,505	11	44	27.36	29.96	+ .05	65.3	− 2.8	94	9	79	40	27	52	41	56	50	63	1.28	− 0.6	9	5,806	sw.	32	sw.	9	18	10	3	3.7	.....	.....
Helena	4,110	87	114	25.86	29.98	+ .05	64.4	− 2.2	92	6	77	43	14	52	37	52	43	50	1.47	+ 0.4	11	6,462	sw.	40	w.	13	13	12	6	4.3	.....	.....
Kalispel	2,962	11	34	26.96	29.98	+ .05	61.8	− 2.5	91	20	76	36	30	47	40	51	44	60	0.38	− 0.5	5	3,579	w.	22	sw.	13	15	12	4	3.9	.....	.....
Miles City	2,371	26	48	27.48	29.97	+ .05	72.0	− 0.9	102	9	86	49	31	58	45	61	54	58	0.71	− 0.7	9	4,304	ne.	40	w.	29	19	12	0	2.8	.....	.....
Rapid City	3,234	46	50	26.65	29.99	+ .06	68.8	− 1.4	97	7	81	46	12	56	47	58	50	54	0.62	− 1.9	7	5,353	w.	30	sw.	10	13	11	7	4.8	.....	.....

TABLE I.—*Climatological data for United States Weather Bureau stations, July, 1913*—Continued.

District 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—Con.							66.2	− 1.9										56	1.49	− 0.1										4.1		
Cheyenne	6,088	58	64	24.14	29.98	+ .06	65.2	− 2.2	92	13	79	43	31	51	40	53	45	55	1.42	− 0.6	12	6,331	nw.	40	nw.	30	10	14	7	4.5	....	....
Lander	5,372	60	68	24.73	29.97	+ .05	66.4	− 1.6	94	9	82	40	31	51	46	53	43	52	1.03	+ 0.2	7	4,442	sw.	52	sw.	29	11	15	5	4.9	....	....
Sheridan	3,790	10	47	26.16	30.00	.....	64.9	.....	95	7	80	40	31	50	49	55	48	60	1.70	.....	12	4,096	se.	37	nw.	10	12	13	6	4.8	....	....
Yellowstone Park	6,200	11	48	23.99	30.01	+ .09	57.2	− 4.3	83	6	70	32	14	45	38	47	40	60	3.14	+ 2.0	15	5,668	sw.	41	s.	13	10	12	9	5.0	....	....
North Platte	2,821	11	51	27.10	29.97	+ .04	74.4	+ 0.5	100	15	88	47	12	60	43	63	57	60	3.37	+ 0.7	9	5,087	se.	37	nw.	6	26	2	3	2.2	....	....
Middle Slope.							79.0	+ 2.2										52	2.01	+ 1.0										3.8		
Denver	5,291	129	172	24.83	29.98	+ .07	71.6	− 0.2	99	13	85	50	28	58	41	56	47	51	1.76	+ 0.1	11	5,798	sw.	41	ne.	30	12	13	6	4.4	....	....
Pueblo	4,685	80	86	25.36	29.94	+ .03	74.7	+ 0.5	101	13	89	51	28	61	44	57	47	48	3.12	+ 1.2	9	4,703	nw.	48	nw.	6	17	10	4	3.7	....	....
Concordia	1,398	42	50	28.49	29.91	− .04	83.2	+ 5.1	110	14	97	55	21	70	36	66	57	47	0.15	− 3.5	4	6,051	s.	25	s.	13	9	21	1	4.5	....	....
Dodge City	2,509	11	51	27.40	29.93	.00	80.7	+ 3.0	105	8	94	61	21	68	34	65	57	52	0.70	− 2.7	8	9,243	s.	42	s.	4	19	11	1	3.4	....	....
Wichita	1,358	139	158	28.54	29.92	− .04	82.4	+ 3.0	102	8	93	62	21	71	30	68	60	54	1.28	− 2.3	9	9,982	s.	44	s.	13	20	10	1	3.1	....	....
Oklahoma	1,214	10	47	28.71	29.96	.00	81.7	+ 1.9	103	31	93	60	22	71	34	70	65	62	5.06	+ 1.4	1	9,230	s.	33	s.	13	15	9	7	4.0	....	....
Southern Slope.							81.5	+ 1.0										49	1.21	− 1.6										3.0		
Abilene	1,738	10	52	28.21	29.96	+ .03	84.3	+ 2.1	102	10	96	66	21	72	30	68	59	48	0.72	− 1.7	5	7,898	s.	35	sw.	14	17	13	1	3.4	....	....
Amarillo	3,676	10	49	26.32	29.96	+ .04	78.7	+ 2.6	101	14	92	58	21	65	34	63	54	52	1.80	− 1.4	7	9,493	s.	36	sw.	28	26	5	0	2.8	....	....
Del Rio	944	8	57	28.99	29.96	+ .06	84.5	− 0.2	99	20	95	66	26	74	27	....	....	....	1.52	− 0.7	1	6,558	se.	26	ne.	26	22	6	3	2.7	....	....
Roswell	3,566	9	57	26.36	29.88	.00	78.4	− 0.5	103	11	93	58	27	64	38	62	52	48	0.82	− 2.6	4	5,606	s.	64	w.	14	16	14	1	3.3	....	....
Southern Plateau.							77.3	− 1.7										42	0.98	− 0.3										3.3		
El Paso	3,762	110	133	26.19	29.84	.00	81.5	+ 1.0	104	11	94	61	21	69	32	61	47	37	1.13	− 1.0	5	7,426	e.	46	ne.	18	19	10	2	3.2	....	....
Santa Fe	7,013	57	62	23.39	29.89	+ 0.1	69.6	+ 0.9	90	11	82	52	30	58	30	54	43	47	1.12	− 1.6	9	5,225	se.	33	s.	15	9	21	1	4.3	....	....
Flagstaff	6,907	8	57	.....	.....	.....	62.8	− 2.2	90	11	78	36	27	48	48	....	....	....	2.35	.....	9	.....	sw.	37	sw.	26	14	14	3	....	....	....
Phoenix	1,108	76	81	28.70	29.82	+ .04	86.3	− 4.1	110	5	100	65	27	73	37	66	53	38	0.94	− 0.1	6	4,401	e.	34	ne.	20	15	8	8	4.3	....	....
Yuma	141	9	58	29.67	29.81	+ .05	88.2	− 2.7	115	10	104	61	27	73	44	69	59	45	0.17	0.0	2	4,930	s.	35	n.	17	27	4	0	1.1	....	....
Independence	3,910	11	42	26.00	29.91	+ .08	75.3	− 3.2	103	10	90	51	25	61	41	58	45	43	1.56	+ 1.4	6	3,936	nw.	26	s.	28	16	11	4	3.5	....	....
Middle Plateau.							70.7	− 1.4										45	1.09	+ 0.4										3.9		
Reno	4,532	74	81	25.51	29.93	+ .06	68.6	+ 1.1	98	5	84	43	15	53	45	53	43	52	1.75	+ 1.6	10	5,278	w.	42	w.	3	16	10	5	3.3	....	....
Tonopah	6,090	12	20	24.13	29.93	+ .06	70.2	.....	92	12	82	48	26	58	32	52	38	38	0.16	− 0.2	5	5,996	se.	36	se.	20	13	16	2	3.8	....	....
Winnemucca	4,344	18	56	25.64	29.96	+ .06	69.2	− 2.4	96	5	85	42	14	53	49	54	44	53	1.55	+ 1.4	10	4,078	sw.	36	s.	24	17	4	10	4.0	....	....
Modena	5,479	10	43	24.68	29.91	+ .05	69.8	+ 0.1	95	10	84	44	26	55	50	52	37	39	0.81	− 0.4	4	8,670	sw.	45	sw.	21	14	13	4	4.0	....	....
Salt Lake City	4,360	147	189	25.64	29.92	+ .02	73.5	− 2.7	97	6	85	54	12	62	34	58	48	45	0.55	0.0	8	5,659	s.	44	nw.	3	15	14	2	3.6	....	....
Durango	6,546	18	56	23.78	29.95	+ .06	66.9	− 1.8	94	5	84	39	28	50	46	50	40	51	2.47	+ 0.9	14	4,174	nw.	28	se.	13	10	18	3	4.5	....	....
Grand Junction	4,602	43	51	25.41	29.92	+ .03	76.4	− 2.8	100	6	90	56	30	62	36	56	42	38	0.31	− 0.2	6	4,259	se.	29	sw.	25	15	12	4	3.8	....	....
Northern Plateau.							69.3	− 1.6										52	0.87	+ 0.4										3.8		
Baker	3,471	48	53	26.50	30.04	+ .09	63.5	− 1.5	91	8	77	36	14	50	41	52	44	56	0.47	0.0	5	4,249	s.	20	se.	23	18	10	3	3.2	....	....
Boise	2,739	78	86	27.16	29.98	+ .05	70.2	− 2.6	98	6	83	42	14	58	37	56	45	49	2.01	+ 1.8	7	3,930	nw.	30	nw.	1	16	8	7	3.8	....	....
Lewiston	757	40	48	29.17	29.97	+ .02	72.9	− 0.7	105	20	87	47	14	58	42	....	....	....	0.10	− 0.3	2	2,820	e.	27	w.	6	19	10	2	3.0	....	....
Pocatello	4,477	46	54	25.53	29.97	+ .05	67.3	− 3.9	91	8	80	42	14	54	40	54	46	54	2.23	+ 1.6	10	5,455	se.	30	sw.	2	10	13	8	4.9	....	....
Spokane	1,929	101	110	27.97	29.99	+ .03	67.8	− 1.0	95	20	81	43	14	55	36	54	44	49	0.37	− 0.3	8	4,885	ne.	36	w.	28	15	10	6	4.2	....	....
Walla Walla	1,000	107	115	.....	29.97	.00	73.9	− 0.2	105	20	87	51	13	61	37	....	....	....	0.04	− 0.4	2	5,532	sw.	36	sw.	13	22	6	3	....	....	....
North Pacific Coast Region.							61.9	+ 0.7										76	1.02	+ 0.3										4.9		
North Head	211	11	56	29.88	30.10	+ .02	58.5	+ 0.8	80	31	62	51	31	55	29	55	53	84	1.03	+ 0.5	8	10,044	nw.	54	s.	6	10	14	7	5.3	....	....
Port Crescent	259	8	53	29.83	30.10	+ .04	56.2	− 0.1	86	19	66	38	29	47	39	....	....	....	0.85	+ 0.2	6	3,409	w.	14	e.	20	11	17	3	4.6	....	....
Seattle	125	215	250	29.96	30.09	+ .05	63.4	− 0.1	87	22	72	48	13	55	28	58	54	76	0.73	0.0	6	5,667	n.	35	s.	6	11	10	10	5.0	....	....
Tacoma	213	113	120	29.86	30.08	+ .02	63.1	− 0.3	89	22	73	47	13	54	30	57	52	72	0.55	− 0.1	5	4,314	n.	24	sw.	6	10	15	6	5.3	....	....
Tatoosh Island	86	7	57	29.99	30.08	+ .03	57.1	+ 2.0	73	20	62	50	21	52	21	55	54	92	3.11	+ 1.3	12	7,870	sw.	60	sw.	6	10	14	7	5.3	....	....
Portland, Oreg.	153	68	106	29.90	30.06	+ .01	67.8	+ 1.5	98	31	78	51	11	58	35	60	55	67	0.24	− 0.3	2	4,197	nw.	23	w.	6	11	13	7	4.6	....	....
Roseburg	510	9	57	29.51	30.05	+ .02	67.5	+ 1.4	99	31	80	47	16	55	46	59	53	67	0.61	+ 0.3	5	2,338	n.	16	n.	29	10	18	3	4.2	....	....
Middle Pacific Coast Region.							66.2	+ 0.7										59	0.08	+ 0.1										3.5		
Eureka	62	73	89	30.01	30.08	+ .03	57.2	+ 1.9	69	9	61	49	19	53	17	55	53	88	0.28	+ 0.2	9	5,297	n.	30	n.	13	6	17	8	5.6	....	....
Mount Tamalpais	2,375	11	18	27.55	29.98	+ .03	67.2	− 3.3	96	11	75	49	28	59	23	53	41	45	0.09	+ 0.1	2	11,232	nw.	72	nw.	2	24	5	2	1.8	....	....
Point Reyes Light	490	7	18	29.44	29.96	.....	55.2	+ 1.5	68	31	59	48	18	51	15	....	....	....	0.16	.....	4	16,744	nw.	75	nw.	1	10	7	14	5.7	....	....
Red Bluff	332	50	56	29.54	29.89	.00	80.8	− 1.3	105	12	94	61	25	68	35	61	46	35	T.	0	0	4,262	se.	27	n.	13	20	7	4	2.8	....	....
Sacramento	69	108	117	29.83	29.90	+ .02	74.4	+ 1.9	104	11	89	54	15	60	37	60	50	51	T.	0	0	7,162	s.	27	sw.	24	27	3	1	1.3	....	....
San Francisco	155	200	204	29.81	29.98	+ .03	60.6	+ 3.3	90	11	67	50	14	54	28	55	51	78	0.07	+ 0.1	2	8,182	w.	35	sw.	17	16	9	6	3.6	....	....
San Jose	141	12	110	29.83	29.98	.....	68.1	+ 1.2	103	11	82	46	2	55	45	....	....	....	0.09	+ 0.1	2	4,903	nw.	24	nw.	2	24	6	1	1.8	....	....
Southeast Farallon	30	9	17	29.98	30.01	.....	55.3	.....	67	25	58	48	18	53	10	....	....	....	0.06	0.0	2	10,925	nw.	48	nw.	1	9	10	12	5.6	....	....
South Pacific Coast Region.							71.4	+ 1.6										65	0.10	+ 0.1										3.3		
Fresno	327	89	98	29.54	29.88	+ .05	80.9	− 1.1	109	12	96	58	15	66	38	61	46	37	0.33	+ 0.3	1	6,575	nw.	29	nw.	9	24	5	2	2.1	....	....
Los Angeles	338	159	191	29.60	29.95	+ .05	70.5	+ 3.1	89	10	79	58	30	62	26	63	59	74	T.	0.0	0	3,957	sw.	17	sw.	25	13	15	3	4.0	....	....
San Diego	87	62	70	29.86	29.95	+ .03	68.2	+ 1.3	78	7	73	60	25	64	15	63	60	80	0.06	+ 0.1	2	4,932	w.	20	w.	21	20	11	0	3.1	....	....
San Luis Obispo	201	47	54	29.78	29.99	+ .04	66.2	+ 3.0	96	9	78	49	15	55	44	57	53	69	T.	0.0	0	3,680	nw.	20	nw.	26	18	10	3	3.3	....	....
West Indies.																																
San Juan	82	8	54	29.97	30.06	+ .07	78.8	.....	90	19	84	71	2	74	16	....	....	....	2.64	− 3.8	18	10,430	e.	34	e.	16	6	15	10	5.7	....	....
Panama.																																
Ancon	92	6	69	29.74	29.83	.....	81.1	.....	93	21	89	71	2	73	20	76	75	90	4.85	− 3.1	22	5,159	nw.	21	n.	24	7	22	2	5.2	....	....
Culebra	404	5	62	29.43	29.84	.....	80.1	.....	90	24	87	71	4	73	18	75	74	91	5.52	− 3.8	22	5,313	nw.	25	n.	19	0	8	23	8.4	....	....
Colon	10	5	71	29.86	29.87	.....	80.6	.....	88	17	84	73	8	77	14	77	76	87	15.13	− 1.2	24	7,281	ne.	29	ne.	12	4	12	15	7.0	....	....

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 July, 1913, 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.	2			0.23														.23			
Albany, N. Y.	28	11.08 a. m.	12.30 p. m.	0.60	11.08 a. m.	11.33 a. m.	.00	.09	.29	.39	.43	.51									
Alpena, Mich.	4	7.07 a. m.	8.25 a. m.	0.81	7.12 a. m.	7.30 a. m.	.01	.22	.43	.62	.71										
Amarillo, Tex.	25	7.12 p. m.	10.10 p. m.	0.82	7.26 p. m.	7.48 p. m.	.01	.19	.27	.51	.70	.73									
Anniston, Ala.	13	1.17 p. m.	2.45 p. m.	0.91	1.35 p. m.	1.56 p. m.	.02	.24	.46	.71	.80	.84									
	20	5.20 p. m.	6.25 p. m.	0.76	5.24 p. m.	5.37 p. m.	.01	.31	.62	.73											
Asheville, N. C.	31	2.14 p. m.	3.05 p. m.	0.89	2.23 p. m.	2.51 p. m.	.01	.15	.25	.34	.63	.81	.88								
Atlanta, Ga.	4	3.55 p. m.	7.05 p. m.	0.57	5.01 p. m.	5.15 p. m.	.04	.21	.40	.47											
	26	4.05 p. m.	6.17 p. m.	0.51	4.30 p. m.	4.44 p. m.	.01	.24	.41	.47											
	31	3.20 p. m.	4.38 p. m.	0.95	3.25 p. m.	3.54 p. m.	.01	.13	.33	.48	.61	.75	.82								
Atlantic City, N. J.	18			0.50														.45			
Augusta, Ga.	26	4.20 p. m.	5.45 p. m.	1.28	4.48 p. m.	5.17 p. m.	.06	.08	.19	.41	.68	.95	1.12								
	27	4.40 p. m.	7.10 p. m.	0.96	4.56 p. m.	5.14 p. m.	.02	.43	.66	.78	.86										
	31	10.30 p. m.	D. N. a. m.	1.35	10.42 p. m.	11.15 p. m.	.03	.29	.74	.96	1.06	1.14	1.20	1.25							
Baker, Oreg.	21			0.17														.09			
Baltimore, Md.	28	4.16 p. m.	5.54 p. m.	0.66	5.12 p. m.	5.27 p. m.	.09	.23	.38	.53											
Bentonville, Ark.	11	9.25 p. m.	10.55 p. m.	1.25	9.41 p. m.	10.24 p. m.	.01	.14	.17	.42	.68	.73	.85	1.05	1.11	1.15					
	24	1.20 a. m.	9.00 a. m.	2.04	4.45 a. m.	5.52 a. m.	.12	.23	.34	.48	.59	.65	.76	.90	.93	.95	.98	1.20	1.45		
Binghamton, N. Y.	24			0.73														.30†			
Birmingham, Ala.	22	4.44 p. m.	5.28 p. m.	0.59	5.03 p. m.	5.17 p. m.	.03	.26	.45	.56											
	29	4.46 p. m.	8.09 p. m.	0.98	5.01 p. m.	5.27 p. m.	.01	.23	.38	.64	.76	.85	.89								
Bismarck, N. Dak.	17	D. N. a. m.	D. N. a. m.	1.39	2.55 a. m.	3.22 a. m.	.04	.21	.48	.88	1.06	1.13	1.17								
Block Island, R. I.	24			0.30														.25			
Boise, Idaho	25			0.50														.30			
Boston, Mass.	30	1.26 p. m.	2.03 p. m.	0.91	1.28 p. m.	1.53 p. m.	T.	.13	.42	.56	.76	.91									
Buffalo, N. Y.	24			0.30														.19			
Burlington, Vt.	28			1.05														.60			
Cairo, Ill.	11-12	11.30 p. m.	3.15 a. m.	1.17	11.48 p. m.	12.11 a. m.	.03	.06	.25	.37	.62	.71									
	30	3.05 p. m.	6.05 p. m.	2.56	3.11 p. m.		.01	.46	.91	1.32	1.54	1.66	1.76	1.85†	(†)	(†)					
Canton, N. Y.	12			0.39														.37			
Charles City, Iowa	19	12.30 p. m.	12.48 p. m.	0.34	12.32 p. m.	12.38 p. m.	.01	.30	.33												
Charleston, S. C.	15	7.42 p. m.	10.28 p. m.	1.01	7.52 p. m.	8.30 p. m.	.01	.20	.38	.41	.43	.47	.53	.77	.83						
	20-21	10.52 p. m.	D. N. a. m.	2.66	11.23 p. m.	12.55 a. m.	.01	.06	.20	.32	.50	.64	.75	.80	.83	.93	1.10	1.43	1.85	2.20	
	21	2.45 p. m.	3.38 p. m.	0.75	3.02 p. m.	3.23 p. m.	.01	.27	.42	.58	.72	.74									
Charlotte, N. C.	4	6.42 p. m.	D. N. p. m.	2.36	6.48 p. m.	8.27 p. m.	.01	.24	.56	.79	.87	1.08	1.19	1.33	1.37	1.38	1.45	1.60	1.87	2.27	
	27	3.37 p. m.	4.35 p. m.	0.57	3.44 p. m.	3.59 p. m.	.01	.17	.40	.49											
Chattanooga, Tenn.	11	9.53 a. m.	11.25 a. m.	0.58	10.20 a. m.	10.29 a. m.	.04	.32	.54												
	26	7.26 a. m.	9.23 a. m.	1.19	8.06 a. m.	9.03 a. m.	.12	.08	.13	.23	.35	.50	.56	.59	.67	.81	.90	1.06			
Cheyenne, Wyo.	22			0.52														.17			
Chicago, Ill.	14	7.32 p. m.	8.45 p. m.	0.85	7.38 p. m.	8.18 p. m.	.02	.13	.29	.40	.50	.59	.67	.74	.79						
Cincinnati, Ohio	15	12.40 a. m.	3.10 a. m.	0.65	12.43 a. m.	12.56 a. m.	.01	.26	.41	.46											
Cleveland, Ohio	4	11.11 a. m.	12.20 p. m.	1.36	11.25 a. m.	11.44 a. m.	.03	.42	.92	1.13	1.24										
	4-5	8.50 p. m.	1.30 a. m.	0.88	9.58 p. m.	10.16 p. m.	.02	.27	.44	.62	.76										
Columbia, Mo.	8	6.58 p. m.	7.25 p. m.	0.50	7.02 p. m.	7.11 p. m.	.01	.23	.48												
	11	5.35 p. m.	7.00 p. m.	0.98	5.38 p. m.	6.11 p. m.	.01	.24	.49	.64	.76	.83	.89	.94							
Columbia, S. C.	19	3.55 p. m.	5.30 p. m.	1.66	4.37 p. m.	5.24 p. m.	.23	.23	.29	.44	.67	.79	.97	1.07	1.21	1.38	1.43				
	19-20	8.40 p. m.	D. N. a. m.	1.04	9.14 p. m.	9.25 p. m.	.15	.29	.59	.62											
	22	6.10 p. m.	10.15 p. m.	1.49	7.21 p. m.	8.21 p. m.	.42	.08	.13	.24	.32	.37	.46	.52	.63	.73	.85	1.03			
Columbus, Ohio	27	1.55 p. m.	3.15 p. m.	0.70	2.18 p. m.	2.39 p. m.	.01	.16	.30	.43	.58	.61									
Concord, N. H.	5			0.56														.42			
Concordia, Kans.	16			0.09														.09			
Corpus Christi, Tex.	1	1.16 p. m.	2.47 p. m.	0.73	1.42 p. m.	2.02 p. m.	.02	.15	.35	.48	.63										
Davenport, Iowa	5			0.10														.10			
Dayton, Ohio	1	4.33 p. m.	6.36 p. m.	1.00	5.34 p. m.	6.08 p. m.	.17	.23	.46	.58	.64	.70	.73	.78							
Del Rio, Tex.	26	8.15 a. m.	1.30 p. m.	1.52	9.38 a. m.	10.10 a. m.	.36	.05	.16	.30	.43	.62	.78	.83							
Denver, Colo.	23			0.89														.56			
Des Moines, Iowa	11			0.80														.36			
Detroit, Mich.	4	3.40 p. m.	8.30 p. m.	1.73	3.44 p. m.	4.09 p. m.	.01	.17	.39	.68	.73	.82									
					6.33 p. m.	6.42 p. m.	.87	.26	.42												
Devils Lake, N. Dak.	4			0.37														.20			
Dodge City, Kans.	27			0.16														.16			
Dubuque, Iowa	11	5.42 p. m.	8.00 p. m.	0.98	6.06 p. m.	6.32 p. m.	.04	.10	.21	.39	.53	.72	.75								
Duluth, Minn.	4-5	8.30 p. m.	7.05 a. m.	2.06	9.54 p. m.	10.46 p. m.	.02	.22	.48	.74	.95	1.10	1.19	1.24	1.27	1.34	1.40	1.43			
Durango, Colo.	19			0.68														.48			
Eastport, Me.	25			0.84														.57			
Elkins, W. Va.	9-10	5.22 p. m.	D. N. a. m.	2.51	6.43 p. m.	7.01 p. m.	.06	.28	.52	.65	.76										
					8.43 p. m.	8.55 p. m.	1.10	.31	.53	.62											
	17	9.50 a. m.	12.05 p. m.	0.55	11.07 a. m.	11.19 a. m.	.05	.10	.39	.49											
	30	4.40 p. m.	5.46 p. m.	0.73	5.03 p. m.	5.28 p. m.	.01	.13	.23	.51	.61	.72									
El Paso, Tex.	21			0.43														.32			
Erie, Pa.	12			0.26														.26			
Escanaba, Mich.	11-12	8.55 p. m.	D. N. a. m.	1.70	10.54 p. m.	12.42 a. m.	.11	.11	.16	.25	.33	.41	.57	.61	.63	.69	.78	.87	1.04	1.21	1.49
Eureka, Cal.	3			0.13														.07			
Evansville, Ind.	24			0.62														.28			
Flagstaff, Ariz.	20-21			0.75														*			
Fort Smith, Ark.	6	5.27 p. m.	6.25 p. m.	0.58	5.35 p. m.	5.58 p. m.	.04	.14	.26	.38	.45	.49									
Fort Wayne, Ind.	14	12.01 a. m.	6.15 a. m.	1.56	12.01 a. m.	12.48 a. m.	.00	.12	.18	.33	.64	.80	.87	.95	1.01	1.07	1.10				
Fort Worth, Tex.	1	5.49 p. m.	7.05 p. m.	0.79	5.54 p. m.	6.12 p. m.	.01	.14	.44	.72	.76										
	24	4.24 p. m.	10.10 p. m.	1.22	4.53 p. m.	5.33 p. m.	.12	.12	.15	.16	.26	.55	.69	.77	.82						
	25	2.06 p. m.	3.02 p. m.	1.28	2.19 p. m.	2.49 p. m.	.02	.16	.48	.65	.70	1.10	1.24								
Fresno, Cal.	22			0.33														.24			
Galveston, Tex.	22-23	9.20 p. m.	D. N. a. m.	1.12	9.20 p. m.	10.06 p. m.	.00	.06	.16	.29	.39	.44	.53	.66	.77	.93	.98				
Grand Haven, Mich.	8			0.60														.46			
Grand Junction, Colo.	15			0.15														.12			
Grand Rapids, Mich.	14			0.37														.35			
Green Bay, Wis.	11	6.58 p. m.	11.55 p. m.	1.14	10.40 p. m.	11.11 p. m.	.41	.11	.31	.45	.54	.59	.64	.67							
Hannibal, Mo.	11			0.12														.12			
Harrisburg, Pa.	23	11.40 a. m.	1.20 p. m.	1.08	11.43 a. m.	12.03 p. m.	.02	.39	.78	.93	.98										
Hartford, Conn.	24	12.40 p. m.	2.10 p. m.	0.33	1.17 p. m.	1.26 p. m.	.01	.13	.31												
Hatteras, N. C.	25	2.49 p. m.	10.15 p. m.	0.98	4.55 p. m.	5.14 p. m.	.12	.07	.17	.28	.50										
	26	2.10 a. m.	7.50 a. m.	1.39	5.19 a. m.	5.32 a. m.	.48	.21	.49	.58											
Havre, Mont.	3			0.32														.23			
Helena, Mont.	25			0.42														.33			
Houghton, Mich.	11			0.37														.36			
Houston, Tex.	31	4.15 p. m.	8.10 p. m.	0.88	4.18 p. m.	4.48 p. m.	.01	.22	.36	.47	.63	.71	.78								
Huron, S. Dak.	16	12.02 a. m.	D. N. a. m.	0.87	12.05 a. m.	12.35 a. m.	.01	.14	.21	.38	.55	.63	.69								
Independence, Cal.	22			1.33														.42			
Indianapolis, Ind.	14-15	11.03 p. m.	D. N. a. m.	1.48	11.38 p. m.	12.16 a. m.	.05	.26	.64	.89	.95	1.00	1.04	1.10	1.13						
	31	3.40 p. m.	4.15 p. m.	0.71	3.48 p. m.	4.03 p. m.	.02	.13	.50	.69											

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 July, 1913, at all stations furnished with self-registering gages*—Continued.

Stations.	Date.	Total duration. From—	Total duration. To—	Total amount of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive rate began.	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.
Iola, Kans.	24	3.35 a.m.	4.45 a.m.	0.51	3.55 a.m.	4.15 a.m.	.08	.14	.26	.38	.43										
Jacksonville, Fla.	13	11.35 a.m.	1.10 p.m.	2.15	11.53 a.m.	12.23 p.m.	.01	.21	.71	1.20	1.67	1.89	2.04								
	21	3.55 p.m.	6.30 p.m.	0.64	4.35 p.m.	4.57 p.m.	.02	.30	.43	.50	.57	.61									
	28	2.00 p.m.	5.10 p.m.	1.64	2.03 p.m.	2.52 p.m.	.02	.26	.30	.39	.45	.65	.91	.98	1.09	1.18	1.25				
Kalispell, Mont.	1			0.14														.14			
Kansas City, Mo.	11	3.33 p.m.	3.53 p.m.	0.58	3.33 p.m.	3.44 p.m.	.00	.23	.55	.58											
	25	5.27 p.m.	6.00 p.m.	0.64	5.30 p.m.	5.48 p.m.	.01	.30	.41	.57	.63										
Keokuk, Iowa.	1			0.04														.03			
Key West, Fla.	11			0.26														.26			
Knoxville, Tenn.	1	6.59 p.m.	D.N.p.m.	0.78	7.21 p.m.	7.53 p.m.	.03	.13	.22	.41	.53	.64	.73	.75							
La Crosse, Wis.	4	3.30 a.m.	D.N.a.m.	1.39	3.55 a.m.	4.30 a.m.	.05	.10	.26	.41	.56	.69	.80	.86							
	5	12.01 a.m.	D.N.a.m.	1.02	12.01 a.m.	12.40 a.m.	.00	.12	.27	.50	.63	.74	.79	.90	.94						
Lander, Wyo.	22			0.61														.33			
Lansing, Mich.	16–17	D.N.p.m.	D.N.a.m.	0.75	11.49 p.m.	12.09 a.m.	.08	.21	.44	.55	.61										
La Salle, Ill.	16	2.10 a.m.	3.15 a.m.	0.87	2.20 a.m.	2.36 a.m.	.01	.19	.48	.79	.83										
Lewiston, Idaho.	13			0.08														.06			
Lexington, Ky.	11	1.27 p.m.	2.54 p.m.	0.91	1.58 p.m.	2.51 p.m.	.10	.09	.21	.30	.41	.46	.51	.51	.56	.61	.74	.81			
Lincoln, Nebr.	28	1.28 a.m.	3.45 a.m.	0.99	1.30 a.m.	1.49 a.m.	.01	.16	.40	.52	.59										
Little Rock, Ark.	19	4.27 p.m.	5.35 p.m.	1.53	4.30 p.m.	5.14 p.m.	.01	.10	.33	.56	.77	.99	1.20	1.38	1.43	1.48					
Los Angeles, Cal.	20			T.														T.			
Louisville, Ky.	19	8.58 a.m.	9.24 a.m.	0.34	9.03 a.m.	9.09 a.m.	.01	.26	.29												
Ludington, Mich.	16	2.44 p.m.	3.55 p.m.	0.75	2.49 p.m.	3.05 p.m.	.01	.38	.53	.62	.65										
Lynchburg, Va.	19			0.67														.67			
Macon, Ga.	4	6.03 p.m.	D.N.p.m.	1.65	6.09 p.m.	7.10 p.m.	.01	.07	.13	.18	.37	.49	.56	.71	.88	1.06	1.28	1.50	1.66		
Madison, Wis.	8	12.30 p.m.	5.15 p.m.	1.25	2.10 p.m.	2.39 p.m.	.58	.06	.13	.35	.42	.49	.53								
	13–14	7.40 p.m.	D.N.a.m.	1.27	10.00 p.m.	10.28 p.m.	.02	.09	.20	.34	.46	.59	.63								
	15	5.20 p.m.	6.45 p.m.	1.03	6.14 p.m.	6.31 p.m.	.05	.21	.48	.86	.96										
	15–16	10.15 p.m.	2.20 a.m.	0.95	10.27 p.m.	10.53 p.m.	.01	.12	.26	.44	.60	.74	.80								
Marquette, Mich.	4	D.N.a.m.	D.N.a.m.	0.53	1.45 a.m.	2.14 a.m.	.01	.05	.21	.28	.33	.39	.51								
	22	4.00 p.m.	5.42 p.m.	0.63	4.31 p.m.	4.40 p.m.	.04	.30	.57												
Memphis, Tenn.	2	6.18 p.m.	8.10 p.m.	1.24	6.20 p.m.	6.57 p.m.	.01	.15	(*)	(*)	(*)	(*)	(*)	.92	.97						
	11–12	8.09 p.m.	12.30 p.m.	2.09	2.51 a.m.	3.12 a.m.	.15	.21	.35	.41	.52	.57									
Meridian, Miss.	10	3.41 p.m.	4.20 p.m.	0.66	3.49 p.m.	4.09 p.m.	.01	.29	.41	.57	.63										
	23	3.40 p.m.	5.35 p.m.	0.89	3.47 p.m.	4.06 p.m.	.01	.29	.57	.70	.76										
	24	8.40 a.m.	11.00 a.m.	0.85	9.05 a.m.	9.25 a.m.	.12	.10	.33	.49	.63										
Miami, Fla.	11	6.46 p.m.	7.03 p.m.	0.44	6.49 p.m.	6.58 p.m.	.01	.28	.42												
Milwaukee, Wis.	14	5.21 p.m.	8.20 p.m.	1.13	5.52 p.m.	6.25 p.m.	.01	.07	.26	.49	.71	.93	1.01	1.04							
Minneapolis, Minn.	2–3	11.27 p.m.	D.N.a.m.	0.83	11.34 p.m.	11.41 p.m.	.01	.51	.77												
	4–5	8.50 p.m.	D.N.a.m.	1.18	9.00 p.m.	9.18 p.m.	.01	.49	.77	.86											
	15	11.50 a.m.	2.32 p.m.	1.33	1.36 p.m.	2.06 p.m.	.05	.07	.13	.24	.44	.97	1.19								
	22	D.N.a.m.	5.50 a.m.	0.81	4.11 a.m.	4.24 a.m.	.01	.27	.54	.62											
Mobile, Ala.	29	2.13 p.m.	4.25 p.m.	1.22	2.57 p.m.	3.32 p.m.	.06	.07	.14	.18	.34	.56	.91	1.09							
Modena, Utah.	22			0.48														.33			
Montgomery, Ala.	25			0.33														.33			
Moorhead, Minn.	4	2.40 p.m.	6.05 p.m.	1.06	5.14 p.m.	5.48 p.m.	.46	.06	.15	.24	.30	.36	.53	.59							
	29	7.20 p.m.	8.15 p.m.	0.81	7.26 p.m.	7.43 p.m.	.01	.22	.40	.73	.78										
Mount Tamalpais, Cal.	23			0.06														.05			
Mount Weather, Va.	5	6.01 p.m.	9.15 p.m.	0.71	6.04 p.m.	6.19 p.m.	.01	.18	.48	.57											
Nantucket, Mass.	13			0.37														.14			
Nashville, Tenn.	2	3.27 p.m.	6.10 p.m.	2.02	3.32 p.m.	4.22 p.m.	.01	.12	.24	.33	.68	1.01	1.32	1.46	1.51	1.55	1.61				
	12	2.50 a.m.	7.20 a.m.	1.38	2.50 a.m.	3.11 a.m.	.00	.25	.46	.56	.83	.86									
New Haven, Conn.	24			0.41														.39			
New Orleans, La.	9	9.15 p.m.	11.35 p.m.	0.76	9.34 p.m.	9.49 p.m.	.03	.07	.45	.69											
	19	8.55 p.m.	10.00 p.m.	0.57	9.01 p.m.	9.18 p.m.	.01	.11	.28	.44	.49										
	23	11.30 a.m.	12.55 p.m.	0.77	11.32 a.m.	11.47 a.m.	.01	.32	.60	.69											
New York, N. Y.	5	1.11 p.m.	1.46 p.m.	1.06	1.15 p.m.	1.30 p.m.	T.	.22	.65	1.00											
Norfolk, Va.	2	10.35 p.m.	11.40 p.m.	0.59	10.41 p.m.	11.00 p.m.	.01	.11	.36	.48	.56										
	10	6.35 p.m.	10.00 p.m.	1.00	7.27 p.m.	7.41 p.m.	.08	.34	.71	.79											
	10–11	11.30 p.m.	3.30 a.m.	1.43	11.36 p.m.	12.09 a.m.	.01	.15	.26	.40	.69	.80	.94	1.03							
	15	3.50 p.m.	6.50 p.m.	0.88	4.02 p.m.	4.32 p.m.	.01	.05	.09	.20	.38	.47	.54								
	19	5.35 p.m.	9.35 p.m.	1.68	6.36 p.m.	7.10 p.m.	.39	.17	.47	.64	.74	.84	.95	1.01							
	25	1.45 a.m.	3.15 a.m.	1.01	2.00 a.m.	2.48 a.m.	.05	.15	.24	.34	.53	.66	.68	.71	.81	.90	.95				
Northfield, Vt.	28	9.36 a.m.	12.10 p.m.	1.38	10.16 a.m.	11.00 a.m.	.13	.09	.23	.38	.52	.61	.75	.89	1.05	1.12					
North Head, Wash.	9			0.43														.26			
North Platte, Nebr.	17–18	11.25 p.m.	4.45 a.m.	1.15	11.44 p.m.	12.29 a.m.	.03	.08	.17	.23	.33	.44	.50	.56	.67	.73					
Oklahoma, Okla.	**30–1	11.05 p.m.	12.20 p.m.	4.82	3.35 a.m.	4.25 a.m.	.23	.14	.20	.36	.58	.71	.79	.89	.97	1.05	1.14				
					4.25 a.m.	5.15 a.m.		1.26	1.42	1.55	1.64	1.68	1.79	1.99	2.13	2.26	2.40				
					5.15 a.m.	6.05 a.m.		2.62	2.83	2.97	3.10	3.36	3.60	3.77	3.90	3.98	4.06				
					6.05 a.m.	6.10 a.m.		4.19													
Omaha, Nebr.	28	2.40 a.m.	5.20 a.m.	0.67	2.40 a.m.	3.10 a.m.	.00	.07	.27	.40	.46	.51	.59								
Oswego, N. Y.	12	3.36 p.m.	4.15 p.m.	0.71	3.54 p.m.	4.09 p.m.	.01	.22	.54	.67											
Palestine, Tex.	2			0.68														.24			
Parkersburg, W. Va.	9	4.25 p.m.	6.00 p.m.	1.05	5.27 p.m.	5.53 p.m.	.13	.25	.62	.78	.80	.88	.92								
Pensacola, Fla.	5	5.30 p.m.	7.40 p.m.	1.13	5.54 p.m.	6.15 p.m.	.02	.30	.61	.85	.98	1.02									
Do.	22	6.15 a.m.	10.45 a.m.	2.82	6.20 a.m.	7.23 a.m.	.01	.16	.42	.63	.68	.68	.79	.91	1.00	1.02	1.06	1.22	1.34		
					9.02 a.m.	10.17 a.m.	1.40	.19	.26	.41	.52	.59	.64	.67	.75	.88	.86	1.16	1.37		
Do.	25	10.05 a.m.	12.40 p.m.	1.21	10.08 a.m.	10.27 a.m.	.01	.31	.80	.98	1.08										
	29	1.05 p.m.	4.10 p.m.	0.85	1.17 p.m.	1.33 p.m.	.03	.23	.36	.47	.50										
Peoria, Ill.	15			0.28														.28			
Philadelphia, Pa.	5	4.04 p.m.	8.20 p.m.	1.17	4.16 p.m.	4.55 p.m.	.05	.18	.52	.62	.62	.63	.66	.99	1.00						
	24	2.14 p.m.	2.30 p.m.	0.72	2.16 p.m.	2.28 p.m.	.01	.45	.68	.71											
Phoenix, Ariz.	19–20	10.30 p.m.	D.N.a.m.	0.72	10.32 p.m.	10.58 p.m.	.01	.17	.23	.32	.51	.65	.68								
Pierre, S. Dak.	15	8.30 p.m.	11.05 p.m.	0.99	9.42 p.m.	10.10 p.m.	.04	.08	.25	.45	.63	.68	.75								
Pittsburgh, Pa.	1	3.55 p.m.	8.10 p.m.	0.75	4.20 p.m.	4.55 p.m.	.02	.09	.18	.25	.31	.33	.51	.59							
	17	4.18 p.m.	5.05 p.m.	0.57	4.47 p.m.	4.56 p.m.	.01	.29	.55												
Pocatello, Idaho.	23	11.38 a.m.	1.28 p.m.	0.60	12.01 p.m.	12.16 p.m.	.08	.16	.24	.37											
Point Reyes Light, Cal.	22			0.09														.07			
Port Huron, Mich.	16–17	7.15 p.m.	D.N.a.m.	1.74	1.32 a.m.	1.44 a.m.	.84	.22	.51	.54											
Portland, Me.	5	9.28 p.m.	11.07 p.m.	1.10	9.38 p.m.	10.12 p.m.	.01	.10	.15	.19	.29	.43	.56	.73	.81						
Portland, Oreg.	9			0.17														.07			
Providence, R. I.	24			0.41														.29			
Pueblo, Colo.	9	4.12 p.m.	D.N.p.m.	0.65	4.24 p.m.	4.39 p.m.	.06	.11	.40	.46											
Raleigh, N. C.	3	6.21 p.m.	7.20 p.m.	0.92	6.24 p.m.	6.51 p.m.	.01	.17	.31	.49	.71	.82	.87								
	29	5.55 p.m.	8.05 p.m.	1.37	6.09 p.m.	6.43 p.m.	.03	.08	.21	.42	.65	1.07	1.27	1.32							
Rapid City, S. Dak.	30			0.21														.09			
Reading, Pa.	9–10	11.04 p.m.	12.18 a.m.	1.03	11.07 p.m.	11.38 p.m.	.61	.05	.19	.36	.57	.86	.91	.94							
	12	4.10 p.m.	5.10 p.m.	0.90	4.17 p.m.	4.27 p.m.	.01	.42	.81												
Red Bluff, Cal.	23			T.														T.			
Reno, Nev.	23	9.55 a.m.	10.40 a.m.	0.78	9.55 a.m.	10.17 a.m.	.00	.12	.31	.56	.67	.70									

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 in chin any 5 minutes, or 0.80 in 1 hour, during July, 1913, 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.
Richmond, Va.	5-6	9.05 p.m.	12.40 a.m.	0.66	10.59 p.m.	11.23 p.m.	.15	.13	.18	.24	.35	.49									
	13	1.11 a.m.	1.55 a.m.	1.42	1.18 a.m.	1.45 a.m.	.01	.24	.46	.62	1.11	1.37	1.40								
Rochester, N. Y.	5	4.20 a.m.	5.55 a.m.	0.73	4.26 a.m.	4.50 a.m.	.01	.10	.27	.46	.56	.61									
Roseburg, Oreg.	3			0.48														.14			
Roswell, N. Mex.	25			0.39														.38			
Sacramento, Cal.	22			T.														T.			
Saginaw, Mich.	16	9.33 p.m.	11.50 p.m.	0.62	10.41 p.m.	11.05 p.m.	.04	.17	.24	.36	.46	.54									
	27	3.25 p.m.	4.38 p.m.	2.24	3.33 p.m.	4.21 p.m.	.01	.43	1.14	1.55	1.80	1.93	1.94	2.01	2.10	2.14	2.19				
St. Joseph, Mo.	7	12.30 a.m.	6.38 a.m.	1.42	3.40 a.m.	3.56 a.m.	.60	.24	.37	.49	.53										
St. Louis, Mo.	1	11.37 a.m.	3.00 p.m.	2.12	11.40 a.m.	12 noon.	.01	.38	.67	.78	.83										
					1.22 p.m.	1.45 p.m.	.91	.24	.50	.64	.81	.89									
St. Paul, Minn.	4	9.05 p.m.	11.30 p.m.	1.36	9.08 p.m.	9.33 p.m.	.01	.30	.75	.83	.88	.93									
	15	12.02 p.m.	2.52 p.m.	0.72	1.54 p.m.	2.14 p.m.	.05	.11	.30	.54	.63										
	16	5.08 a.m.	5.55 a.m.	0.80	5.22 a.m.	5.46 a.m.	.02	.18	.41	.62	.69	.76									
Salt Lake City, Utah	18			0.12														.09			
San Antonio, Tex.	4			0.03														.03			
San Diego, Cal.	20			0.05														.04			
Sand Key, Fla.	6-7	11.25 p.m.	12.23 a.m.	0.78	11.42 p.m.	12.03 a.m.	.05	.13	.34	.49	.67	.71									
Sandusky, Ohio	5			0.71														.49			
San Francisco, Cal.	22			0.06														.03			
San Jose, Cal.	22			0.08														.06			
San Luis Obispo, Cal.	13			T.														T.			
Santa Fe, N. Mex.	31			0.51														.45			
Sault Ste. Marie, Mich.	31	4.45 p.m.	7.05 p.m.	1.08	5.02 p.m.	5.58 p.m.	.07	.13	.29	.47	.54	.55	.58	.63	.66	.68	.77	.92			
Savannah, Ga.	21	12.30 a.m.	D. N. a.m.	1.52	1.00 a.m.	1.44 a.m.	.11	.05	.18	.25	.41	.56	.76	1.11	1.33	1.41					
	22	3.08 p.m.	7.15 p.m.	1.31	3.10 p.m.	3.42 p.m.	.01	.07	.28	.51	.71	.86	.96	1.00							
	27	6.30 p.m.	D.N. p.m.	0.77	6.30 p.m.	6.43 p.m.	.00	.16	.42	.56											
Scranton, Pa.	13	4.20 p.m.	6.00 p.m.	0.53	4.48 p.m.	5.05 p.m.	.01	.24	.38	.49	.52										
Seattle, Wash.	12			0.35														.22			
Sheridan, Wyo.	26			0.62														.17			
Shreveport, La.	2			0.20														.16			
Sioux City, Iowa	22	2.50 p.m.	8.25 p.m.	0.92	3.17 p.m.	3.32 p.m.	.03	.21	.45	.59											
Southeast Farallon, Cal.	22			0.05														.03			
Spokane, Wash.	21			0.22														.14			
Springfield, Ill.	15	7.50 a.m.	10.20 a.m.	0.36	9.55 a.m.	10.06 a.m.	.02	.17	.32	.34											
Springfield, Mo.	30	4.18 p.m.	5.50 p.m.	1.75	4.18 p.m.	5.02 p.m.	.00	.07	.13	.39	.75	1.08	1.31	1.44	1.60	1.67					
Syracuse, N. Y.	23	5.55 p.m.	6.45 p.m.	0.38	6.12 p.m.	6.22 p.m.	.01	.22	.34												
Tacoma, Wash.	6			0.16														.07			
Tampa, Fla.	3	3.00 p.m.	4.50 p.m.	0.79	3.15 p.m.	3.45 p.m.	.02	.16	.33	.46	.59	.69	.76								
	16	12.45 p.m.	3.15 p.m.	1.54	1.58 p.m.	2.43 p.m.	.33	.12	.25	.38	.47	.53	.78	.86	1.01	1.17					
	24	4.46 p.m.	6.25 p.m.	1.00	4.46 p.m.	5.05 p.m.	.00	.22	.50	.66	.71										
	25	4.00 p.m.	5.55 p.m.	0.92	4.52 p.m.	5.17 p.m.	.20	.15	.37	.55	.61	.68									
Tatoosh Island, Wash.	6			1.23														.26			
Taylor, Tex.	31			0.01														.01			
Terre Haute, Ind.	9			0.28														.28			
Thomasville, Ga.	3	7.40 p.m.	10.00 p.m.	0.87	7.45 p.m.	8.11 p.m.	T.	.23	.52	.69	.75	.80	.83								
	28	6.20 p.m.	10.00 p.m.	1.92	6.45 p.m.	7.15 p.m.	.01	.12	.40	.61	.95	1.38	1.51								
Toledo, Ohio	5	3.16 p.m.	4.20 p.m.	0.71	3.18 p.m.	4.03 p.m.	.01	.06	.10	.16	.23	.32	.39	.43	.59	.65					
	28	1.40 p.m.	2.22 p.m.	0.69	1.51 p.m.	2.04 p.m.	.08	.12	.48	.58											
Tonopah, Nev.	27			0.05														.04			
Topeka, Kans.	18-19	11.55 p.m.	D. N. a.m.	0.75	1.03 a.m.	1.14 a.m.	.31	.25	.34	.37											
Valentine, Nebr.	15	7.50 p.m.	8.40 p.m.	0.78	8.02 p.m.	8.17 p.m.	.03	.30	.63	.74											
	16-17	D.N. p.m.	D. N. a.m.	1.28	12.30 a.m.	1.24 a.m.	.07	.08	.39	.51	.55	.57	.59	.67	.76	.89	.98	1.05			
Vicksburg, Miss.	2			0.42														.39			
Walla Walla, Wash.																					
Washington, D. C.	30	3.00 p.m.	5.30 p.m.	2.02	3.10 p.m.	3.27 p.m.	.01	.52	1.21	1.51	1.56										
Wichita, Kans.	27			0.75														.36			
Williston, N. Dak.	15	8.02 p.m.	8.40 p.m.	0.53	8.04 p.m.	8.20 p.m.	.01	.11	.32	.48	.52										
Wilmington, N. C.	15	3.43 p.m.	7.10 p.m.	0.78	3.54 p.m.	4.24 p.m.	.03	.08	.17	.28	.47	.57	.66								
	20-21	9.54 p.m.	6.50 a.m.	2.42	9.54 p.m.	10.43 p.m.	.00	.22	.31	.36	.39	.45	.47	.77	.99	1.05	1.14				
Winnemucca, Nev.	23			0.65														.27			
Wytheville, Va.	28	2.05 p.m.	3.00 p.m.	1.13	2.08 p.m.	2.36 p.m.	.01	.16	.48	.63	.71	.95	1.08								
Yankton, S. Dak.	17			0.30														.29			
Yellowstone Park, Wyo.	29			1.17														.27			

* Self-register not working. † Record partly estimated. †† No precipitation occurred during month. ** June 30-July 1.

TABLE III.—*Data furnished by the Canadian Meteorological Service, July, 1913.*

Districts and 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.	Snowfall.
St. Johns, N. F	29.78	29.91	−.06	56.4	−2.9	64.3	48.6	81	40	5.32	+1.43	.....
Sydney, C. B. I	29.86	29.90	−.03	63.0	+0.7	72.6	53.3	84	36	2.70	−0.95	.....
Halifax, N. S	29.81	29.91	−.05	64.8	+1.4	75.9	53.8	90	47	4.08	+0.03	.....
Yarmouth, N. S	29.86	29.93	−.02	61.2	+1.7	68.3	54.0	76	46	3.85	+0.23	.....
Charlottetown, P. E. I	29.84	29.88	−.02	64.4	+0.3	72.5	56.4	83	47	4.18	+0.69	.....
Chatham, N. B	29.84	29.86	−.02	66.0	+1.0	76.2	55.7	92	50	3.49	−0.70	.....
Father Point, Que	29.79	29.81	−.04	58.1	+0.5	65.9	50.3	75	43	4.35	+1.31	.....
Quebec, Que	29.52	29.83	−.08	66.2	+0.7	76.2	56.2	90	48	6.05	+1.79	.....
Montreal, Que	29.66	29.86	−.07	69.5	+1.0	78.1	60.9	93	51	2.42	−1.87	.....
Stonecliffe, Ont	29.26	29.86	−.08	65.2	−0.4	78.4	52.1	92	40	2.31	−0.81	.....
Ottawa, Ont	29.62	29.94	.00	69.2	−0.3	79.5	58.8	93	46	2.03	−1.44	.....
Kingston, Ont	29.62	29.92	−.05	68.8	+0.6	77.4	59.3	90	48	2.16	−0.73	.....
Toronto, Ont	29.55	29.91	−.06	70.2	+2.2	81.5	58.9	95	50	2.67	−0.25	.....
White River, Ont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Stanley, Ont	29.35	29.98	.00	70.6	+2.8	77.1	64.0	83	52	3.77	+0.73	.....
Southampton, Ont	29.28	.....	.....	65.4	+0.7	74.8	56.1	90	42	2.40	+0.42	.....
Parry Sound, Ont	29.25	29.93	−.03	67.2	+1.2	78.5	55.8	97	44	1.42	−1.20	.....
Port Arthur, Ont	29.24	29.95	+.01	60.9	−1.1	71.7	50.1	82	42	6.26	+2.78	.....
Winnipeg, Man	29.10	29.92	−.01	64.4	−1.6	75.3	53.5	88	46	2.09	−0.99	.....
Minnedosa, Man	28.14	29.93	.00	60.8	−1.4	72.6	49.1	90	42	3.87	+1.27	.....
Qu'Appelle, Sask	27.68	29.90	−.02	60.9	−2.6	72.7	49.1	84	37	3.66	+1.18	.....
Medicine Hat, Alberta	27.67	29.90	.00	68.8	+1.0	84.7	52.8	98	43	1.35	−0.74	.....
Swift Current, Sask	27.38	29.91	.00	63.1	−3.4	78.0	48.2	93	38	2.10	−0.34	.....
Calgary, Alberta	26.44	29.91	+.01	61.3	+0.7	76.2	46.4	87	38	0.61	−2.07	.....
Banff, Alberta	25.43	29.95	+.05	56.4	−0.2	70.4	42.3	87	34	0.91	−2.33	.....
Edmonton, Alberta	27.64	29.89	−.01	60.4	−0.2	72.8	48.1	86	41	4.35	+1.32	.....
Prince Albert, Sask	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battleford, Sask	28.18	29.90	.00	62.6	−2.1	74.0	51.2	88	45	3.56	+1.22	.....
Kamloops, B. C	28.66	29.90	−.04	67.4	−1.1	79.8	54.9	99	43	0.96	−0.65	.....
Victoria, B. C	29.96	30.05	.00	61.8	+1.8	71.7	51.9	85	45	0.45	+0.05	.....
Barkerville, B. C	25.73	30.02	+1.1	51.9	−3.2	64.3	39.5	79	32	2.15	−0.87	.....

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