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, MAY, 1913.

Section.	Temperature (°F.).								Precipitation (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	71.6	+0.1	3 stations	98	31	Riverton	41	1	3.14	−0.90	Scottsboro	7.86	Fort Deposit	0.78
Arizona	66.0	−1.5	Maricopa	107	23	Flagstaff	15	2	0.05	−0.20	Vail	0.60	35 stations	0.00
Arkansas	69.3	+0.1	2 stations	99	31	Dutton	35	7†	3.32	−2.07	Center Point	6.55	Calico Rock	0.30
California	62.3	+0.2	Greenland Ranch	120	25	Summit	12	1	1.04	−0.18	Blue Canon	4.19	21 stations	0.00
Colorado	54.2	+2.4	Lamar	99	29	Hermit	10	4	0.88	−0.94	Sedgwick	3.70	4 stations	T.
Florida	74.5	−1.3	2 stations	100	30†	Molino	47	1	3.08	−0.96	Fort Lauderdale	9.34	St. Cloud	0.59
Georgia	71.9	+0.1	do	102	30†	Clayton	40	1†	2.27	−1.20	Gore	4.70	Eastman	0.19
Hawaii [April]	69.6		do	88	6†	Humuula	29	17	7.05		Keanae Valley	31.07	2 stations	0.00
Idaho	55.4	+1.6	Glenns Ferry	99	26	Blackfoot Dam	13	3	1.52	−0.03	Kirkham	3.32	do	T.
Illinois	62.9	+0.2	Equality	99	30	6 stations	28	10†	3.04	−0.96	St. Charles	8.32	Windsor	0.41
Indiana	63.0	+0.6	2 stations	97	30	2 stations	26	11	2.79	−1.41	Collegeville	6.67	Mount Vernon	0.38
Iowa	59.3	−0.8	Onawa	102	29	3 stations	30	2†	6.21	+1.71	Britt	10.25	Lamoni	3.14
Kansas	66.7	+2.8	Lincoln	107	29	St. Francis	32	15	3.04	−0.81	Emporia	7.45	Lakin	0.10
Kentucky	66.1	+0.6	Hopkinsville	99	31	Farmers	29	11	2.95	−1.03	Mount Sterling	5.85	Blandville	0.65
Louisiana	72.6	−1.2	Reserve	103	28	Laark	36	23	4.95	+0.62	Hammond	10.10	Burrwood	1.45
Maryland & Delaware	62.8	0.0	2 stations	94	4†	Deer Park, Md	16	12	4.30	+0.69	Westernport, Md	7.94	2 stations	2.18
Michigan	53.3	−0.3	Blaney	94	2	2 stations	16	7†	2.80	−0.52	Thornville	6.25	Bay City	0.58
Minnesota	52.7	−1.8	2 stations	99	27	Pokegama Falls	19	9	3.53	+0.27	Winona	5.98	2 stations	1.05
Mississippi	70.9	−1.3	Corinth	98	31	Crystal Springs	43	24	4.01	−0.26	Laurel	9.75	Vicksburg	1.30
Missouri	65.8	+1.3	Caruthersville	101	31	2 stations	33	7†	3.05	−1.93	Sublett	9.12	St. Charles	0.56
Montana	50.8	−1.1	Forsyth	96	27	do	10	1	1.84	−0.75	Busby	3.06	Libby	0.55
Nebraska	59.8	+0.6	5 stations	103	29	Curly	20	3	3.60	+0.20	Hartington	9.05	Palisade	0.73
Nevada	57.1	+2.6	Logan	100	24†	Tecoma	5	2	1.28	+0.34	Potts	3.40	2 stations	0.00
New England	53.2	−1.9	Bridgeport, Conn	92	3	Patten, Me	18	15	3.32	−0.27	Amherst, Mass	4.94	Block Island, R. I.	1.65
New Jersey	60.3	0.0	Indian Mills	94	6	Layton	25	12	3.45	−0.46	Moorestown	4.86	Paterson	2.53
New Mexico	60.9	+0.8	Hobbs	105	26	Elizabethtown	10	9†	0.33	−0.55	Tucumcari (2)	1.96	16 stations	0.00
New York	54.7	−1.4	2 stations	93	2†	2 stations	17	12†	3.08	−0.45	Morehouseville	5.36	Shortsville	1.77
North Carolina	67.9	+0.5	Parkersburg	98	4	Banners Elk	23	11	4.37	+0.30	Brewers	8.72	Ramseur	2.28
North Dakota	51.2	−1.9	2 stations	100	27	Bottineau	11	5	1.68	−0.89	McLeod	4.00	2 stations	0.59
Ohio	60.3	−0.6	Syracuse	95	4	3 stations	23	11†	3.53	−0.12	Vickery	7.94	Cambridge	1.86
Oklahoma	70.4	+2.8	Jefferson	104	29	Woodward	30	6	3.50	−2.17	Hugo	8.41	Hurley	0.08
Oregon	54.4	+0.7	Huntington	97	31	Cliff (2)	10	1	1.77	−0.41	Cascadia	4.66	Huntington	0.10
Pennsylvania	58.5	−1.3	2 stations	93	5	Warren	21	11	3.86	−0.10	Hyndman	6.45	Forks of Neshaminy	0.48
Porto Rico	75.0	−2.0	do	92	25†	2 stations	50	1†	8.20	+0.72	Isolina	18.13	Guanica Centrale	1.82
South Carolina	71.7	+0.3	do	101	30†	Dillon	38	11	2.13	−1.39	Winthrop College	6.65	Charleston	0.19
South Dakota	54.4	−0.9	Winner	102	28	2 stations	18	3	3.48	+0.94	Tyndall	6.51	Orman	1.85
Tennessee	67.6	+0.7	Union City	100	31	Mountain City	26	11	3.93	−0.32	Rogersville	7.20	Union City	1.49
Texas	73.5	+0.4	Big Spring	105	26	Canadian	33	4	2.55	−1.20	Arthur City	9.41	4 stations	0.00
Utah	57.3	+1.4	Midvale	107	26	Woodruff	6	2	0.48	−0.86	Brigham City	1.87	8 stations	0.00
Virginia	64.2	+0.2	Callaville	94	3	Burkes Garden	24	12	5.48	+1.44	Ruckersville	8.29	Staunton	3.58
Washington	54.6	−0.3	Hanford	98	31	Republic	21	1	1.99	−0.30	Quinlault	8.03	Lost Creek	0.29
West Virginia	61.6	−0.9	Martinsburg	95	3†	Bayard	19	12	5.16	+1.26	Brandonville	8.86	Union	2.95
Wisconsin	53.5	−1.1	Prairie du Chien	91	28	Long Lake	17	10	5.50	+1.99	Shullsburg	8.77	Trout Lake	0.90
Wyoming	49.0	+1.8	2 stations	94	26	Norris	2	13	1.62	−0.77	Knowles	4.60	Encampment	T.

† Other dates also.

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

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.							**53.1**	**− 1.5**										**70**	**2.77**	**− 0.6**										**5.8**		
Eastport	76	67	85	29.86	29.95	− .01	45.8	− 1.1	70	3	52	30	15	39	28	42	39	80	4.02	+ 0.2	13	7,526	s.	36	nw.	30	8	12	11	6.2	0.1	....
Greenville	1,070	6	....	28.79	29.97	.....	47.6	.....	83	6	58	28	10	37	43	....	....	....	3.01	.....	12	.....	.....	....	.....	....	....	....	....	....	T.	....
Portland, Me.	103	82	117	29.88	30.00	+ .03	50.0	− 3.5	72	31	57	37	17	43	23	44	38	68	2.92	− 0.8	10	6,693	nw.	34	nw.	29	11	7	13	5.8	....	....
Concord	288	70	79	29.67	29.99	+ .01	53.2	− 2.5	88	3	65	29	12	42	49	....	....	....	3.17	− 0.1	11	4,336	nw.	25	nw.	29	11	10	10	5.6	T.	....
Burlington	404	11	48	29.56	30.00	+ .03	52.4	− 1.5	84	2	62	28	15	43	38	....	....	....	2.56	− 0.3	11	7,288	s.	35	s.	18	8	11	12	6.0	T.	....
Northfield	876	12	60	29.05	30.00	+ .03	49.4	− 4.1	85	5	61	21	15	38	45	45	40	68	3.01	+ 0.2	12	5,822	s.	26	n.	11	5	8	18	7.0	T.	....
Boston	125	115	188	29.85	29.99	+ .01	55.2	− 1.4	78	5	63	37	11	48	30	49	43	69	3.22	− 0.3	8	7,255	nw.	34	nw.	29	10	12	9	5.6	....	....
Nantucket	12	14	90	29.97	29.98	− .01	52.8	− 0.2	74	31	59	39	11	46	24	48	45	80	1.71	− 1.0	7	10,532	sw.	43	sw.	24	11	11	9	5.4	....	....
Block Island	26	11	46	29.95	29.98	− .01	53.8	+ 0.9	80	3	59	39	11	48	30	50	46	79	1.65	− 2.1	9	11,967	sw.	44	n.	10	12	6	13	5.7	....	....
Narragansett	....	9	....	.....	.....	.....	53.6	− 1.1	80	3	62	31	11	46	34	....	....	....	2.75	.....	10	.....	se.	....	.....	....	20	1	10	....	....	....
Providence	160	141	165	29.82	29.99	+ .01	55.2	− 3.3	86	3	64	34	11	46	38	49	43	66	1.84	− 1.6	9	6,717	nw.	48	nw.	29	9	11	11	5.6	....	....
Hartford	159	122	140	29.82	30.00	+ .02	57.6	+ 0.1	90	3	67	34	11	48	38	50	42	62	3.99	+ 0.4	11	5,218	nw.	30	nw.	29	8	9	14	6.2	....	....
New Haven	106	117	155	29.88	30.00	− .01	57.8	+ 0.2	90	3	67	35	11	49	38	50	42	60	2.30	− 1.3	8	6,029	nw.	35	nw.	29	14	7	10	5.1	....	....
Middle Atlantic States.							**61.8**	**+ 0.3**										**66**	**3.83**	**+ 0.3**										**5.0**		
Albany	97	102	115	29.89	30.00	+ .02	57.4	− 1.5	89	3	67	34	11	48	35	50	43	61	3.29	+ 0.3	12	5,799	nw.	26	nw.	10	14	8	9	5.1	....	....
Binghamton	871	78	88	29.10	30.03	+ .05	54.6	− 2.4	88	4	65	30	12	44	39	....	....	....	3.14	0.0	12	4,070	nw.	24	nw.	10	4	11	16	6.7	....	....
New York	314	414	454	29.66	30.00	+ .01	60.2	+ 0.9	88	3	68	36	11	52	30	51	43	59	2.51	− 0.7	9	12,083	nw.	54	nw.	10	11	7	13	5.5	....	....
Harrisburg	374	94	104	29.63	30.02	+ .04	61.5	− 0.2	88	3	72	38	11	52	33	53	46	62	2.73	− 0.9	12	4,464	nw.	22	nw.	13	10	6	15	5.5	....	....
Philadelphia	117	123	184	29.89	30.02	+ .03	63.6	+ 1.4	90	3	73	29	11	54	31	54	48	62	4.63	+ 1.4	9	7,696	nw.	33	n.	10	11	8	12	5.3	....	....
Reading	325	81	98	29.67	30.02	.....	61.0	.....	90	4	72	37	11	50	36	53	47	65	2.85	.....	9	5,320	nw.	29	n.	10	11	6	14	5.7	....	....
Scranton	805	111	119	29.16	30.02	+ .04	57.6	− 1.2	90	4	68	33	12	48	35	51	44	63	2.27	− 1.2	9	5,031	nw.	27	w.	19	7	12	12	5.8	....	....
Atlantic City	52	37	48	29.95	30.01	+ .03	60.4	+ 2.9	89	3	68	34	11	52	31	54	50	72	3.52	+ 0.5	9	6,161	nw.	26	ne.	18	12	9	10	4.7	....	....
Cape May	17	13	49	30.01	30.03	+ .04	61.3	+ 2.7	87	3	69	41	11	54	32	56	53	79	3.34	+ 0.4	11	6,555	nw.	28	nw.	16	13	13	5	4.2	....	....
Trenton	190	159	183	29.80	30.00	.....	60.8	.....	90	3	71	34	11	51	31	54	49	71	3.00	.....	8	8,380	nw.	34	nw.	29	15	6	10	4.6	....	....
Baltimore	123	100	113	29.89	30.02	+ .03	64.9	+ 0.7	91	3	74	40	11	55	32	56	49	60	3.12	− 0.4	11	5,408	n.	27	n.	10	14	8	9	4.5	....	....
Washington	112	62	85	29.89	30.01	+ .01	64.4	+ 0.2	90	4	75	37	12	53	36	56	50	64	4.56	+ 0.7	11	4,630	nw.	24	nw.	29	11	8	12	5.6	....	....
Lynchburg	681	83	88	29.28	30.02	+ .02	66.0	+ 0.1	92	4	79	37	12	53	43	59	55	73	4.76	+ 0.8	12	2,236	n.	19	sw.	16	12	15	4	4.6	....	....
Mount Weather	1,725	10	75	28.21	30.00	.00	59.8	+ 0.3	83	4	68	31	11	51	26	51	45	64	4.62	+ 0.9	12	10,669	nw.	39	nw.	13	10	11	10	5.5	....	....
Norfolk	91	170	205	29.93	30.03	+ .03	67.6	+ 1.4	92	6	77	44	11	58	33	59	54	67	4.31	+ 0.2	8	9,117	sw.	62	n.	30	15	13	3	3.6	....	....
Richmond	144	11	52	29.87	30.02	+ .03	66.6	− 0.7	92	3	78	38	11	55	40	58	51	64	4.80	+ 1.0	11	5,257	s.	37	sw.	16	15	9	7	4.1	....	....
Wytheville	2,293	40	47	27.70	30.04	+ .05	60.9	− 0.5	86	5	74	29	12	48	42	54	50	73	5.87	+ 2.0	13	3,146	nw.	20	sw.	30	15	13	3	3.5	....	....
South Atlantic States.							**70.8**	**+ 1.0**										**69**	**2.29**	**− 1.5**										**4.3**		
Asheville	2,255	70	84	27.73	30.04	+ .05	63.2	+ 0.6	86	30	75	37	12	52	39	55	50	68	5.12	+ 1.3	12	4,943	nw.	36	nw.	30	13	11	7	4.9	....	....
Charlotte	773	68	76	29.21	30.03	+ .04	69.9	+ 1.5	91	5	80	44	11	59	30	60	54	63	3.77	− 0.2	11	4,839	sw.	33	sw.	21	13	9	9	4.7	....	....
Hatteras	11	12	50	29.98	29.99	− .02	69.0	+ 1.9	82	3	75	46	12	63	20	64	61	78	3.08	− 1.1	9	9,959	sw.	38	n.	10	15	12	4	3.9	....	....
Manteo	12	12	46	.....	.....	.....	67.0	.....	88	6	76	34	12	58	....	....	....	....	3.22	− 0.8	9	.....	sw.	....	.....	....	15	10	6	....	....	....
Raleigh	376	103	110	29.62	30.02	+ .03	69.8	+ 1.7	94	4	80	41	12	59	32	60	53	61	2.86	− 2.0	11	5,728	sw.	38	nw.	27	14	10	7	4.4	....	....
Wilmington	78	81	91	29.96	30.04	+ .03	70.4	+ 1.3	92	30	80	45	11	61	31	63	60	77	2.90	− 1.1	7	5,732	sw.	28	s.	23	11	14	6	4.4	....	....
Charleston	48	11	92	30.00	30.05	+ .04	72.6	+ 0.2	98	30	80	55	11	65	27	65	61	72	0.19	− 3.3	3	7,759	s.	29	ne.	11	13	14	4	3.8	....	....
Columbia, S. C.	351	41	57	29.66	30.04	+ .04	72.6	+ 0.8	95	30	84	51	12	61	34	61	54	59	1.00	− 2.2	6	5,291	sw.	30	sw.	23	19	7	5	3.8	....	....
Augusta	180	89	97	29.84	30.03	+ .04	72.6	+ 0.4	97	31	84	50	1	61	37	63	57	64	0.74	− 2.5	9	4,481	s.	33	ne.	19	10	14	7	4.8	....	....
Savannah	65	150	194	29.98	30.05	+ .05	73.5	+ 1.0	98	31	83	56	1	64	28	65	61	75	1.28	− 1.7	8	8,078	s.	32	nw.	31	10	14	7	4.5	....	....
Jacksonville	43	96	129	30.00	30.05	+ .05	74.3	+ 0.1	94	31	84	58	4	65	28	66	63	74	1.06	− 3.2	5	6,479	s.	33	n.	10	18	7	6	3.5	....	....
Florida Peninsula.							**75.7**	**− 1.6**										**73**	**4.46**	**+ 0.2**										**4.4**		
Key West	22	10	64	29.99	30.01	+ .04	77.8	− 1.2	86	31	84	67	1	72	15	70	67	73	3.46	+ 0.1	8	7,039	se.	33	s.	24	18	9	4	4.0	....	....
Miami	25	37	72	30.02	30.05	.....	76.0	− 2.6	88	28	82	60	11	70	25	69	66	72	8.42	+ 2.0	6	6,360	se.	26	n.	11	7	14	10	6.0	....	....
Sand Key	23	39	72	29.97	30.00	+ .03	76.6	.....	84	29	79	68	14	74	13	71	68	76	2.47	.....	4	9,180	e.	30	ne.	3	15	11	5	4.2	....	....
Tampa	35	79	96	30.00	30.04	+ .05	75.2	− 0.3	89	21	85	59	3	66	27	67	63	70	1.49	− 1.4	3	4,844	ne.	27	e.	8	19	8	4	3.3	....	....
Titusville	44	6	....	30.00	30.05	.....	73.8	− 2.1	93	27	84	58	10	64	29	....	....	....	1.66	.....	7	.....	e.	....	.....	....	14	11	6	4.3	....	....
East Gulf States.							**72.1**	**− 0.1**										**70**	**3.38**	**− 0.1**										**4.2**		
Atlanta	1,174	190	216	28.82	30.04	+ .05	70.8	+ 1.3	92	31	81	51	24	61	29	60	53	60	3.62	+ 0.5	9	7,620	se.	60	nw.	31	13	9	9	4.8	....	....
Macon	370	78	87	29.63	30.02	+ .03	72.0	+ 0.9	98	31	84	53	3	60	33	63	58	65	0.67	− 2.2	6	4,182	s.	38	n.	31	15	10	6	4.1	....	....
Thomasville	273	8	57	29.74	30.03	+ .04	73.3	− 0.7	98	31	86	52	2	60	38	64	60	72	2.87	− 1.1	8	3,434	se.	25	se.	17	14	11	6	4.0	....	....
Pensacola	56	140	182	29.98	30.04	+ .05	72.8	− 2.0	87	31	79	55	24	66	21	67	64	77	2.08	− 0.6	6	9,085	se.	37	sw.	22	17	7	7	3.7	....	....
Anniston	741	9	57	29.28	30.06	+ .07	69.8	+ 1.4	93	31	82	48	1	57	36	....	....	....	2.96	− 0.1	7	3,589	s.	23	s.	16	12	13	6	4.3	....	....
Birmingham	700	11	48	29.30	30.06	+ .08	70.6	− 1.0	90	31	81	48	24	60	30	62	57	67	4.48	+ 1.4	11	4,117	s.	28	ne.	31	13	10	8	4.6	....	....
Mobile	57	98	106	29.97	30.03	+ .04	73.7	+ 0.1	94	31	82	55	24	65	24	66	62	73	1.59	− 2.4	7	5,718	se.	24	w.	10	14	14	3	3.6	....	....
Montgomery	223	100	112	29.80	30.05	+ .06	73.4	− 0.1	94	31	84	54	24	62	30	63	58	66	2.38	− 1.4	5	4,269	sw.	35	ne.	31	13	15	3	3.9	....	....
Meridian	375	84	93	29.64	30.03	+ .05	70.4	− 0.7	91	31	82	50	24	59	35	63	59	71	7.24	+ 3.3	8	3,017	sw.	25	sw.	16	12	10	9	5.2	....	....
Vicksburg	247	62	74	29.77	30.05	+ .08	71.8	− 1.1	90	31	81	54	24	62	24	64	60	72	1.30	− 3.0	7	4,150	se.	30	nw.	21	16	7	8	4.2	....	....
New Orleans	51	90	121	29.97	30.02	+ .05	74.8	+ 0.3	89	31	83	57	24	66	22	67	64	75	7.94	+ 4.1	9	5,445	se.	32	s.	22	13	12	6	4.3	....	....
West Gulf States.							**72.3**	**− 0.6**										**72**	**2.93**	**− 1.2**										**3.4**		
Shreveport	249	77	93	29.75	30.01	+ .06	72.0	− 1.2	91	31	82	54	24	62	36	65	61	73	3.11	− 1.0	8	5,200	s.	35	s.	19	19	5	7	3.6	....	....
Bentonville	1,303	11	44	28.63	29.98	+ .05	66.9	+ 0.5	91	31	78	41	7	56	32	....	....	....	2.86	− 2.4	14	4,357	s.	26	s.	4	15	11	5	4.2	....	....
Fort Smith	457	79	94	29.50	29.97	+ .04	70.4	+ 0.7	95	31	81	49	7	60	29	62	57	67	2.99	− 1.9	11	5,692	e.	50	sw.	14	14	8	9	4.5	....	....
Little Rock	357	139	147	29.64	30.01	+ .06	70.0	− 0.4	91	31	79	52	7	61	26	64	61	76	2.34	− 2.8	10	6,146	s.	38	nw.	17	18	7	6	3.6	....	....
Brownsville	57	4	....	.....	.....	.....	74.7	.....	89	31	84	55	8	65	32	....	....	....	1.12	.....	6	.....	s.	32	.....	4	....	....	....	....	....	....
Corpus Christi	20	69	77	29.96	29.98	+ .08	74.4	− 2.1	82	22	79	63	8	70	15	69	67	81	0.76	− 2.0	3	11,588	se.	43	se.	4	13	13	5	4.2	....	....
Fort Worth	670	106	114	29.23	29.93	+ .02	73.6	+ 0.4	97	28	85	52	7	62	33	62	55	58	2.74	− 1.4	6	8,710	s.	38	se.	2	15	11	5	4.1	....	....
Galveston	54	106	114	29.96	30.02	+ .08	74.0	− 1.4	83	31	78	60	5	70	16	68	65	78	3.87	+ 0.6	5	9,154	s.	33	ne.	16	22	5	4	2.7	....	....
Houston	138	111	121	29.86	30.00	.....	73.8	− 1.7	91	31	83	56	6	65	26	....	....	....	3.56	.....	6	6,619	se.	33	se.	3	17	8	6	4.2	....	....
Palestine	510	64	72	29.47	30.00	+ .07	72.1	− 0.4	89	28	82	54	24	62	27	65	61	74	2.83	− 2.1	6	5,679	s.	27	s.	3	22	7	2	2.6	....	....
San Antonio	701	80	91	29.23	29.95	+ .05	75.6	+ 0.8	95	27	87	56	7	64	33	65	60	67	2.88	− 0.1	4	4,769	se.	37	n.	15	20	9	2	2.9	....	....
Taylor	583	55	63	29.39	30.00	+ .09	73.0	− 1.3	95	27	84	54	7	62	33	....	....	....	4.94	+ 0.9	8	7,334	s.	31	se.	2	14	11	6	4.2	....	....

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

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Ohio Valley and Tenn.							**65.1**	**0.0**										**64**	**3.15**	**— 0.8**										**5.2**		
Chattanooga	762	189	213	29.26	30.06	+ .07	69.1	+ 0.5	89	31	80	49	1	58	34	60	54	65	4.30	+ 0.7	13	5,460	sw.	36	s.	16	8	14	9	5.3	.....	....
Knoxville	996	93	100	29.00	30.04	+ .05	67.8	+ 1.3	89	30	79	44	11	57	35	60	54	66	4.86	+ 1.2	10	3,602	sw.	21	se.	31	10	12	9	5.4	.....	....
Memphis	399	76	97	29.63	30.05	+ .09	70.0	— 0.7	91	31	78	51	12	62	25	63	60	73	2.97	— 1.4	5	5,634	sw.	26	sw.	5	15	5	11	4.6	.....	....
Nashville	546	168	191	29.48	30.06	+ .08	68.8	0.0	92	31	79	48	11	58	33	59	54	64	2.66	— 0.8	9	6,225	ne.	40	s.	20	11	13	7	5.2	.....	....
Lexington	987	75	102	29.00	30.05	+ .06	64.9	+ 0.6	87	30	75	35	11	55	32	.....	.....	.....	4.32	+ 0.8	9	6,544	sw.	37	sw.	15	10	12	9	5.0	.....	....
Louisville	525	219	255	29.47	30.05	+ .07	67.2	+ 0.5	93	30	77	40	11	57	30	56	49	57	1.07	— 2.6	9	8,234	n.	48	w.	15	11	12	8	5.0	.....	....
Evansville	431	72	82	29.56	30.03	+ .06	67.6	+ 0.5	94	30	77	42	11	58	31	58	52	60	0.59	— 2.8	6	5,732	s.	39	sw.	20	12	10	9	5.1	.....	....
Indianapolis	822	154	164	29.16	30.05	+ .08	63.7	+ 0.4	87	30	74	38	10	53	35	54	47	59	1.49	— 2.4	9	7,139	sw.	42	sw.	15	8	11	12	5.9	.....	....
Terra Haute	575	96	129	29.40	30.02	.....	65.0	.....	92	30	76	37	10	54	38	56	49	59	1.44	.....	6	7,312	s.	37	sw.	15	8	13	10	5.8	.....	....
Cincinnati	628	152	160	29.38	30.05	+ .06	65.8	+ 0.7	91	30	76	38	11	56	33	57	51	63	2.30	— 1.2	8	4,441	sw.	33	sw.	15	8	11	12	5.6	.....	....
Columbus	824	173	222	29.18	30.05	+ .07	61.7	— 0.6	86	5	72	34	11	51	30	54	49	68	2.60	— 1.1	9	7,337	nw.	36	nw.	30	9	14	8	4.7	.....	....
Dayton	899	181	216	29.08	30.03	.....	62.8	— 0.1	87	30	73	34	11	53	32	54	48	63	3.41	— 0.5	8	7,004	s.	43	sw.	15	13	3	15	5.5	.....	....
Pittsburgh	842	353	410	29.14	30.04	+ .05	60.6	— 2.0	88	4	71	33	10	51	33	52	45	62	3.11	— 0.2	13	7,179	nw.	36	nw.	13	9	14	8	5.1	.....	....
Elkins	1,940	41	50	28.02	30.05	+ .05	58.6	— 0.5	86	5	72	25	11	45	45	52	47	71	5.63	— 1.6	17	2,347	n.	30	nw.	15	9	10	12	5.6	.....	....
Parkersburg	638	77	84	29.40	30.06	+ .07	63.4	+ 0.1	90	5	75	33	11	52	38	56	51	70	4.80	+ 1.3	15	3,441	n.	30	nw.	13	10	10	11	5.1	.....	....
Lower Lake Region.							**56.2**	**— 1.3**										**68**	**3.60**	**+ 0.4**										**5.2**		
Buffalo	767	247	280	29.21	30.04	+ .07	53.7	— 0.8	76	4	61	32	10	47	26	49	46	78	2.48	— 0.6	10	10,387	sw.	48	sw.	13	5	17	9	5.7	.....	....
Canton	448	10	61	29.54	30.01	.....	52.8	— 3.4	87	4	63	25	15	43	34	.....	.....	.....	2.64	— 0.2	12	7,067	sw.	32	sw.	6	10	10	11	5.6	T.	....
Oswego	335	76	91	29.64	30.02	+ .05	51.9	— 2.8	82	5	60	33	10	44	30	47	42	70	3.37	+ 0.5	10	6,731	w.	25	w.	19	12	9	10	4.8	.....	....
Rochester	523	86	102	29.47	30.04	+ .07	56.0	— 0.7	86	5	65	34	10	47	30	48	41	62	2.60	— 0.3	8	6,393	w.	25	nw.	13	10	11	10	5.2	.....	....
Syracuse	597	97	113	29.39	30.03	+ .05	55.0	— 2.3	88	4	64	32	11	47	31	48	42	65	2.79	— 0.6	8	7,723	nw.	37	nw.	18	12	9	10	5.3	.....	....
Erie	714	92	102	29.27	30.04	+ .06	55.8	— 1.5	83	5	63	36	10	48	30	50	45	70	2.68	— 0.8	14	6,168	w.	25	ne.	14	9	16	6	4.8	.....	....
Cleveland	762	190	201	29.23	30.06	+ .08	57.8	— 0.7	86	5	65	37	12	51	28	51	45	64	2.84	— 0.4	10	8,573	n.	36	ne.	27	7	14	10	5.1	.....	....
Sandusky	629	62	70	29.37	30.05	+ .07	58.6	— 0.6	86	5	67	37	11	50	33	52	46	68	4.69	+ 1.4	11	5,501	sw.	25	nw.	15	6	12	13	5.9	.....	....
Toledo	628	208	246	29.37	30.05	+ .08	58.8	— 0.9	85	2	68	32	10	50	34	52	46	67	7.39	+ 4.1	10	9,974	sw.	50	sw.	21	12	11	8	4.8	.....	....
Fort Wayne	856	113	124	29.12	30.05	.....	59.9	— 0.3	84	2	70	33	10	49	33	53	49	72	3.77	.....	9	6,621	sw.	37	sw.	15	12	11	8	4.4	.....	....
Detroit	730	218	258	29.26	30.06	+ .09	57.4	— 0.5	84	4	67	33	9	48	31	51	45	68	4.57	+ 1.3	9	7,843	sw.	37	e.	15	7	14	10	5.7	.....	....
Upper Lake Region.							**51.7**	**— 1.1**										**71**	**3.07**	**— 0.4**										**5.8**		
Alpena	609	13	92	29.38	30.05	+ .08	51.0	+ 1.5	88	2	60	28	10	41	39	46	41	70	2.12	— 1.2	11	6,666	nw.	31	e.	15	8	17	6	5.3	.....	....
Escanaba	612	54	60	29.37	30.04	+ .07	47.4	— 2.6	67	28	55	29	9	40	26	43	38	72	3.28	— 0.1	12	7,563	s.	31	ne.	14	7	10	14	6.1	.....	....
Grand Haven	632	54	92	29.35	30.03	+ .07	52.5	— 2.3	76	2	60	29	10	44	28	48	43	72	2.13	— 1.2	9	8,688	w.	33	s.	4	13	7	11	5.0	.....	....
Grand Rapids	707	70	87	29.27	30.04	+ .07	57.4	— 1.6	83	2	68	30	10	47	33	50	45	66	1.76	— 1.6	9	3,925	w.	24	sw.	5	10	8	13	5.4	.....	....
Houghton	684	62	72	29.29	30.02	+ .05	46.5	— 3.2	81	1	56	28	25	37	33	.....	.....	.....	2.88	— 0.4	12	6,732	e.	32	nw.	18	6	12	13	6.3	T.	....
Lansing	878	11	62	29.09	30.04	.....	56.2	— 1.7	83	2	67	27	10	45	35	50	45	71	2.22	— 1.4	14	4,436	sw.	24	sw.	3	11	7	13	5.4	.....	....
Ludington	637	60	66	29.33	30.04	.....	50.0	.....	73	2	58	30	10	42	27	46	42	77	2.93	.....	13	7,711	s.	34	s.	4	10	10	11	5.4	.....	....
Marquette	734	77	111	29.25	30.06	+ .09	47.6	— 1.4	87	1	56	29	7	39	43	42	36	69	2.04	— 1.3	13	7,051	nw.	39	sw.	1	8	7	16	6.1	T.	....
Port Huron	638	70	120	29.35	30.04	+ .07	54.2	+ 0.5	82	3	63	31	10	45	36	48	44	72	2.89	— 0.4	12	7,417	ne.	29	se.	15	8	16	7	5.4	.....	....
Saginaw	641	62	64	29.34	30.04	+ .09	56.4	.....	85	2	67	29	10	46	31	49	44	66	1.48	— 2.6	10	4,778	sw.	26	.....	3	10	10	11	5.2	.....	....
Sault Sainte Marie	614	11	61	29.36	30.06	+ .11	47.4	— 0.3	82	1	58	28	11	37	41	42	37	71	1.85	— 1.4	11	6,699	w.	33	sw.	12	8	11	12	6.2	.....	....
Chicago	823	140	310	29.15	30.04	+ .08	57.6	+ 1.1	85	2	65	38	10	50	29	51	46	68	4.38	+ 1.0	11	9,998	ne.	44	ne.	14	11	9	11	5.7	.....	....
Green Bay	617	109	144	29.34	30.00	+ .05	53.4	— 1.1	82	1	62	31	10	45	33	48	45	76	5.49	+ 1.9	16	8,426	s.	43	s.	3	4	10	17	7.5	.....	....
Milwaukee	681	119	133	29.29	30.03	+ .07	54.2	+ 0.6	83	2	62	34	10	46	35	48	42	70	5.65	+ 2.2	12	7,637	ne.	40	ne.	14	13	6	12	5.3	.....	....
Duluth	1,133	11	47	28.80	30.03	+ .07	46.2	— 2.4	81	31	55	29	9	37	34	41	36	73	4.82	+ 1.4	14	9,930	ne.	45	w.	12	4	12	15	6.8	T.	....
North Dakota.							**51.7**	**— 2.6**										**66**	**1.35**	**— 1.1**										**4.3**		
Moorhead	940	8	57	29.02	30.04	+ .10	52.2	— 2.6	95	27	64	30	10	41	42	46	41	70	1.68	— 1.3	10	6,112	n.	26	nw.	31	15	9	7	4.5	.....	....
Bismarck	1,674	8	57	28.25	30.04	+ .10	52.4	— 2.8	92	27	64	27	6	41	43	46	41	69	1.99	— 0.5	9	7,633	e.	40	nw.	31	7	9	15	6.6	T.	....
Devils Lake	1,482	11	44	28.42	30.00	+ .06	50.2	— 2.5	92	27	62	26	13	39	37	44	37	64	0.88	— 1.3	10	8,059	ne.	33	nw.	28	8	8	15	6.1	.....	....
Williston	1,872	40	47	28.00	29.99	+ .06	51.9	— 2.4	93	27	64	24	6	40	42	44	37	62	0.85	— 1.4	13	6,883	se.	52	nw.	11	2	15	14	6.9	0.1	....
Upper Miss. Valley.							**61.4**	**— 0.4**										**67**	**3.76**	**— 0.4**										**6.0**		
Minneapolis	918	102	208	.....	.....	.....	55.8	.....	89	27	65	34	9	47	35	.....	.....	.....	2.86	— 1.1	14	8,248	w.	38	nw.	17	9	9	13	6.3	.....	....
St. Paul	837	201	236	29.08	29.99	+ .05	55.9	— 2.3	89	27	65	37	9	47	36	49	43	65	2.95	— 0.7	15	8,783	nw.	52	sw.	1	8	12	11	5.8	.....	....
La Crosse	714	11	48	29.23	30.00	+ .06	57.6	— 1.9	88	28	67	33	10	48	35	.....	.....	.....	5.60	+ 1.8	14	3,820	s.	24	s.	1	2	14	15	7.2	.....	....
Madison	974	70	78	29.98	30.02	+ .06	56.6	— 1.0	82	1	66	33	10	48	29	50	45	70	6.63	+ 3.0	15	7,306	sw.	48	ne.	14	4	12	15	7.1	.....	....
Charles City	1,015	10	49	28.92	30.00	+ .06	56.5	— 3.0	89	29	66	35	6	47	38	52	48	75	5.53	+ 0.6	13	5,164	nw.	32	sw.	1	7	5	19	7.2	.....	....
Davenport	606	71	79	29.35	30.00	+ .05	60.9	— 0.6	88	29	70	35	11	51	31	54	49	69	4.89	+ 0.7	16	6,061	e.	30	se.	14	7	11	13	6.1	.....	....
Des Moines	861	84	97	29.07	29.98	+ .05	61.3	— 0.3	96	29	70	41	11	52	34	54	49	69	5.06	+ 0.5	16	6,043	sw.	33	sw.	1	7	11	13	6.4	.....	....
Dubuque	698	81	96	29.28	30.02	+ .07	59.2	— 1.6	88	28	68	37	10	50	33	52	47	68	8.20	+ 3.9	13	5,068	s.	22	se.	13	5	12	14	6.9	.....	....
Keokuk	614	64	78	29.34	30.00	+ .06	63.4	+ 0.2	90	31	73	36	11	54	32	57	53	71	3.87	— 0.4	13	5,784	s.	40	sw.	20	11	9	11	5.2	.....	....
Cairo	356	87	93	29.64	30.01	+ .05	68.4	+ 0.9	96	31	77	49	10	60	29	59	53	62	0.87	— 3.0	4	6,468	s.	31	sw.	15	10	11	10	5.5	.....	....
La Salle	536	56	64	29.47	30.04	+ .08	60.7	— 0.1	90	28	71	32	11	50	34	.....	.....	.....	4.45	+ 0.5	12	6,373	sw.	33	w.	4	10	8	13	5.8	.....	....
Peoria	609	11	45	29.36	30.02	+ .06	62.4	+ 0.7	90	29	74	35	10	51	34	55	50	68	1.85	— 2.4	12	5,172	s.	29	sw.	5	11	8	12	5.2	.....	....
Springfield, Ill	644	10	49	29.33	30.01	+ .06	65.0	+ 1.5	93	31	76	34	10	54	34	56	49	59	0.96	— 3.5	5	6,823	s.	31	s.	4	9	11	11	5.5	.....	....
Hannibal	534	74	109	29.42	29.99	+ .05	64.8	+ 0.4	93	29	76	40	7	54	36	.....	.....	.....	1.16	— 3.8	11	7,127	sw.	34	s.	4	13	7	11	5.0	.....	....
St. Louis	567	208	217	29.41	30.01	+ .06	67.3	+ 0.8	93	30	77	41	10	58	29	57	50	59	1.53	— 2.7	6	8,131	se.	33	nw.	26	12	11	8	4.9	.....	....
Missouri Valley.							**61.7**	**— 0.2**										**69**	**4.11**	**— 0.1**										**5.5**		
Columbia, Mo.	784	11	84	29.17	29.99	+ .05	65.7	+ 1.2	96	31	76	39	10	55	33	.....	.....	.....	1.43	— 3.4	13	5,945	s.	27	s.	3	7	11	13	6.2	.....	....
Kansas City	963	161	181	28.94	29.96	+ .04	66.0	+ 1.5	96	29	75	40	10	57	29	60	56	74	4.45	— 0.7	11	9,003	s.	49	w.	14	9	16	6	5.1	.....	....
St. Joseph	967	11	49	28.93	29.96	.....	64.9	.....	96	29	75	38	10	55	33	57	52	67	4.73	.....	11	6,168	s.	38	w.	14	11	10	10	5.1	.....	....
Springfield, Mo.	1,324	98	104	28.61	30.00	+ .07	66.2	+ 1.6	90	31	76	46	23	56	28	57	52	64	2.38	— 3.2	10	8,104	s.	35	s.	4	21	7	3	2.6	.....	....
Iola	984	11	50	28.93	29.95	+ .03	67.0	+ 2.5	98	31	78	44	7	56	34	.....	.....	.....	3.35	— 1.7	9	6,291	s.	28	s.	13	14	14	3	3.7	.....	....
Topeka	983	85	101	.....	.....	.....	65.8	+ 0.8	99	29	76	44	6	55	33	.....	.....	.....	4.46	— 0.4	11	8,005	s.	36	s.	12	13	13	5	4.0	.....	....
Lincoln	1,189	11	84	28.69	29.94	+ .03	63.0	+ 0.1	98	29	74	40	6	52	32	55	51	72	6.02	+ 1.8	12	8,009	se.	42	w.	2	5	13	13	6.4	.....	....
Omaha	1,105	115	121	28.79	29.96	+ .04	62.9	+ 0.4	99	29	72	42	10	54	29	55	50	70	5.27	+ 0.8	12	6,188	s.	33	nw.	13	4	10	17	7.0	.....	....
Valentine	2,598	47	54	27.27	29.98	+ .08	56.0	— 1.9	94	28	67	30	3	45	39	48	43	71	3.13	— 0.2	16	7,859	ne.	38	nw.	29	12	8	11	5.3	.....	....
Sioux City	1,135	94	164	28.76	29.97	+ .05	58.8	— 2.0	97	29	68	38	6	50	35	52	48	71	4.71	+ 0.3	14	9,740	s.	54	e.	13	7	10	14	6.3	.....	....
Huron	1,306	56	67	28.61	30.02	+ .11	55.2	— 4.1	92	27	66	32	6	45	40	49	43	70	4.53	+ 1.6	12	7,686	nw.	38	ne.	31	7	11	13	6.5	.....	....
Pierre	1,572	70	75	28.35	30.02	+ .10	56.1	— 1.2	96	28	66	31	3	46	36	48	41	62	3.75	+ 1.6	10	8,111	e.	46	ne.	13	7	8	16	6.8	.....	....
Yankton	1,233	49	57	28.65	29.96	+ .04	58.2	— 1.8	96	29	68	38	10	49	38	.....	.....	.....	5.87	+ 2.0	15	6,391	nw.	30	e.	13	4	14	13	6.9	.....	....

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

Districts and stations.	Elevation of instruments.			Pressure in inches.			Temperature of the air, in degrees Fahrenheit.												Precipitation, inches.			Wind.										
	Barometer above sea level, feet.	Thermometer above ground.	Anemometer above ground.	Station, reduced to mean of 24 hours.	Sea level, reduced to mean of 24 hours.	Departure from normal.	Mean max. + mean min. ÷ 2.	Departure from normal.	Maximum.	Date.	Mean maximum.	Minimum.	Date.	Mean minimum.	Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew point.	Mean relative humidity, per cent.	Total.	Departure from normal.	Days with 0.01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.	Snow on ground at end of month.
Northern Slope.							**52.7**	**− 0.3**										**65**	**2.25**	**− 0.1**										**5.9**		
Havre	2,505	11	44	27.33	29.96	+ .06	51.6	− 2.5	85	27	63	22	1	40	34	46	41	71	1.81	− 0.3	9	6,031	e.	32	nw.	16	9	12	10	6.2	T.	....
Helena	4,110	87	114	25.78	29.96	+ .03	51.4	− 0.2	87	26	62	24	1	41	34	43	37	63	2.00	0.0	12	6,140	sw.	43	sw.	27	2	13	16	7.3	4.3	....
Kalispell	2,962	11	34	26.91	29.96	+ .08	50.9	− 0.1	81	26	63	25	1	39	37	43	36	65	0.92	− 1.1	12	3,783	w.	26	sw.	26	10	11	10	5.5	T.	....
Miles City	2,371	26	48	27.46	30.00	+ .09	56.4	− 0.3	92	27	67	31	5	46	35	49	44	70	2.52	+ 0.5	11	4,327	ne.	27	w.	16	10	17	4	4.7	T.	....
Rapid City	3,234	46	50	26.61	30.03	+ .13	52.6	− 1.6	91	28	63	30	3	43	35	46	39	66	3.24	+ 0.3	17	5,231	n.	29	se.	10	8	8	15	6.4	T.	....
Cheyenne	6,088	58	64	24.00	29.91	+ .06	52.0	+ 1.0	81	27	64	28	2	40	34	44	38	67	2.22	− 0.2	17	6,382	nw.	34	s.	12	4	13	14	6.3	T.	....
Lander	5,372	60	68	24.62	29.93	+ .05	53.4	+ 1.4	83	28	66	26	3	40	37	42	32	52	1.20	− 1.7	11	4,327	w.	48	nw.	13	7	16	8	5.5	4.0	....
Sheridan	3,790	10	47	26.10	29.98	.....	52.4	.....	87	27	64	26	3	41	42	46	40	69	1.52	.....	13	4,745	nw.	36	se.	13	7	13	11	5.8	0.7	....
Yellowstone Park	6,200	11	48	23.86	29.95	+ .04	46.0	− 1.4	75	26	57	23	3	35	39	38	31	63	2.81	+ 0.9	15	5,226	sw.	38	s.	26	5	11	15	6.8	6.9	....
North Platte	2,821	11	51	27.05	29.96	+ .08	60.0	+ 1.0	96	29	73	31	3	47	40	51	46	68	3.50	+ 0.4	11	6,342	ne.	40	n.	31	13	10	8	4.7	....	....
Middle Slope.							**65.0**	**+ 2.2**										**58**	**2.41**	**− 1.4**										**4.4**		
Denver	5,291	129	172	24.70	29.90	+ .06	57.5	+ 0.8	91	29	70	34	2	45	38	46	37	53	1.68	− 0.9	8	5,772	sw.	32	ne.	21	15	9	7	4.8	T.	....
Pueblo	4,685	80	86	25.24	29.87	+ .04	62.4	+ 2.9	91	29	77	30	4	48	40	47	34	43	1.43	− 0.2	5	5,129	nw.	37	w.	2	12	18	1	3.9	....	....
Concordia	1,398	42	50	28.47	29.92	+ .01	65.8	+ 2.1	102	29	77	41	6	54	33	57	52	67	5.70	+ 1.0	10	6,125	s.	31	se.	13	4	17	10	6.1	....	....
Dodge City	2,509	11	51	27.34	29.90	+ .03	67.3	+ 3.8	98	29	80	39	15	54	36	56	49	59	0.81	− 2.5	11	9,181	se.	42	se.	2	14	12	5	4.3	....	....
Wichita	1,358	139	158	28.50	29.91	.00	67.9	+ 2.0	100	29	78	46	23	57	33	58	51	61	0.97	− 4.0	8	11,276	s.	42	s.	2	21	6	4	3.0	....	....
Oklahoma	1,214	10	47	28.68	29.94	+ .05	69.4	+ 1.3	95	31	80	47	7	58	.32	60	55	67	3.88	− 1.9	8	12,030	s.	46	s.	2	16	10	5	3.9	....	....
Southern Slope.							**71.9**	**+ 1.3**										**52**	**1.70**	**− 1.2**										**3.2**		
Abilene	1,738	10	52	28.14	29.92	+ .05	73.7	+ 1.8	98	26	86	51	7	62	36	60	52	56	4.73	+ 1.0	8	8,576	s.	34	se.	18	16	8	7	3.8	....	....
Amarillo	3,676	10	49	26.23	29.89	+ .05	68.2	+ 3.9	94	29	82	44	15	55	39	55	46	55	1.41	− 2.3	7	9,355	s.	34	sw.	19	26	4	1	2.8	....	....
Del Rio	944	8	57	28.94	29.91	+ .06	77.2	+ 0.3	97	26	90	55	7	65	36	....	....	....	0.64	− 2.3	5	6,994	se.	33	e.	3	22	8	1	2.5	....	....
Roswell	3,566	9	57	26.30	29.84	+ .02	68.6	− 0.8	97	26	86	38	5	51	49	53	40	45	0.03	− 1.1	2	4,672	s.	27	w.	31	15	16	0	3.5	....	....
Southern Plateau.							**65.1**	**− 0.8**										**32**	**0.10**	**− 0.2**										**2.2**		
El Paso	3,762	110	133	26.12	29.80	+ .02	71.8	− 0.3	95	26	86	47	4	58	38	49	21	19	T.	− 0.4	0	8,669	w.	37	w.	27	22	8	1	1.9	....	....
Santa Fe	7,013	57	62	23.25	29.80	− .01	58.6	+ 1.9	79	24	71	36	4	46	33	42	26	32	0.17	− 0.9	3	7,238	sw.	36	sw.	8	16	15	0	3.7	T.	....
Flagstaff	6,907	8	57	.....	.....	.....	49.6	− 1.1	78	22	67	18	3	32	47	....	....	....	T.	.....	0	.....	sw.	42	sw.	1	24	5	2	....	....	....
Phoenix	1,108	76	81	28.68	29.82	+ .04	73.8	− 1.0	99	26	89	46	2	58	39	53	33	26	0.00	0.0	0	4,228	e.	26	w.	28	24	4	3	1.9	....	....
Yuma	141	9	58	29.68	29.83	+ .04	74.9	− 1.9	100	11	93	47	2	57	43	57	43	40	0.00	0.0	0	4,372	s.	35	w.	28	30	1	0	0.2	....	....
Independence	3,910	11	42	25.95	29.90	+ .06	62.0	− 2.5	89	25	78	29	2	46	37	48	35	44	0.32	+ 0.2	2	5,837	n.	30	nw.	18	18	9	4	3.5	....	....
Middle Plateau.							**58.0**	**+ 1.8**										**42**	**0.69**	**− 0.5**										**4.2**		
Reno	4,532	74	81	25.44	29.91	.00	56.5	+ 2.9	86	25	70	27	2	42	39	45	36	54	1.00	+ 0.2	7	5,836	w.	39	s.	26	14	12	5	4.1	T.	....
Tonopah	6,090	12	20	24.01	29.86	.....	56.0	.....	81	24	68	22	1	45	34	42	26	37	1.11	− 0.3	6	6,563	nw.	39	nw.	12	16	14	1	3.9	....	....
Winnemucca	4,344	18	56	25.57	29.92	+ .01	57.0	+ 2.6	90	26	73	20	1	41	44	44	33	50	0.45	− 0.6	5	4,491	sw.	37	s.	26	10	14	7	5.2	0.2	....
Modena	5,479	10	43	24.57	29.86	+ .04	54.4	− 0.1	82	26	70	28	14	38	41	40	25	41	0.84	0.0	4	8,690	sw.	49	sw.	18	14	12	5	4.1	3.5	....
Salt Lake City	4,360	147	189	25.54	29.86	.00	60.8	+ 2.5	89	26	71	34	3	50	30	47	34	42	0.57	− 1.4	4	5,825	nw.	31	nw.	18	17	10	4	3.5	T.	....
Durango	6,546	18	56	23.63	29.85	+ .03	55.2	+ 0.2	83	23	72	28	4	38	43	39	23	36	0.74	− 0.4	2	5,154	nw.	34	s.	1	11	18	2	4.1	....	....
Grand Junction	4,602	43	51	25.30	29.83	.00	64.0	+ 2.4	90	26	78	34	4	50	37	47	30	34	0.12	− 0.8	4	4,678	se.	30	sw.	1	15	10	6	4.2	....	....
Northern Plateau.							**57.2**	**+ 0.3**										**56**	**1.36**	**− 0.4**										**6.1**		
Baker	3,471	48	53	26.44	30.02	+ .06	52.3	+ 1.6	84	26	65	27	1	40	38	44	37	63	1.10	− 0.6	13	4,629	nw.	36	sw.	26	7	15	9	5.5	....	....
Boise	2,739	78	86	27.11	29.95	+ .01	59.0	+ 1.4	94	26	72	28	2	47	36	47	36	50	0.58	− 0.7	7	4,546	nw.	34	nw.	9	7	14	10	5.8	....	....
Lewiston	757	40	48	29.19	29.99	+ .03	59.5	− 1.3	91	31	72	35	2	47	41	....	....	....	1.60	0.0	10	2,308	ne.	36	s.	26	6	14	11	6.3	....	....
Pocatello	4,477	46	54	25.42	29.90	+ .01	56.6	+ 1.1	85	26	69	32	2	45	36	46	36	55	2.44	+ 0.2	9	5,913	sw.	30	s.	24	4	18	9	5.8	T.	....
Spokane	1,929	101	110	27.94	29.99	+ .03	55.6	− 0.5	86	31	66	35	2	45	35	46	38	58	1.21	− 0.4	11	4,713	sw.	33	w.	3	5	9	17	7.0	....	....
Walla Walla	1,000	107	115	.....	29.99	+ .03	60.2	− 0.5	88	31	71	38	1	50	32	....	....	....	1.24	− 0.6	9	5,085	s.	32	sw.	15	13	10	8	....	....	....
N. Pac. Coast Region.							**53.1**	**.00**										**77**	**2.10**	**− 0.5**										**6.2**		
North Head	211	11	56	29.87	30.10	+ .07	51.0	+ 0.2	60	6	54	42	1	48	11	49	47	88	2.85	+ 0.5	12	11,392	nw.	56	se.	9	5	12	14	6.5	....	....
Port Crescent	259	8	53	29.82	30.10	+ .08	48.2	− 0.9	66	31	56	30	5	40	27	....	....	....	1.32	− 1.0	9	3,799	nw.	15	nw.	28	4	13	14	6.5	....	....
Seattle	125	215	250	29.96	30.10	+ .09	54.1	− 0.9	71	31	61	42	1	47	25	49	45	76	1.37	− 1.0	12	5,886	s.	38	sw.	9	5	9	17	6.9	....	....
Tacoma	213	113	120	29.86	30.09	+ .07	53.6	− 0.9	72	21	61	40	1	46	28	48	44	72	2.29	− 0.2	11	4,368	sw.	23	w.	9	5	13	13	6.7	....	....
Tatoosh Island	86	7	57	29.98	30.08	+ .07	50.0	+ 0.4	60	31	54	40	5	46	12	48	46	90	3.75	− 0.3	16	8,378	w.	48	s.	14	4	10	17	7.2	....	....
Portland, Oreg.	153	68	106	29.91	30.07	+ .04	57.6	+ 0.8	84	31	66	41	1	49	34	51	46	69	1.63	− 0.7	12	4,105	nw.	20	sw.	9	12	7	12	5.0	....	....
Roseburg	510	9	57	29.51	30.06	+ .03	57.4	+ 1.4	88	31	70	33	2	45	42	50	44	68	1.50	− 0.6	8	2,439	n.	22	sw.	10	10	16	5	4.5	....	....
M. Pac. Coast Region.							**58.5**	**+ 0.9**										**67**	**0.94**	**− 0.3**										**3.5**		
Eureka	62	73	89	30.02	30.10	+ .05	52.4	+ 0.3	64	7	57	39	2	48	15	49	47	86	1.67	− 0.9	9	6,226	n.	35	n.	1	15	12	4	4.3	....	....
Mount Tamalpais	2,375	11	18	27.54	30.01	+ .01	56.0	+ 2.3	78	30	63	39	12	49	24	47	40	61	1.08	− 0.4	9	13,555	nw.	64	nw.	12	20	7	4	2.6	....	....
Point Reyes Light	490	7	18	29.46	29.98	.....	51.4	− 0.2	73	30	55	45	1	48	25	....	....	....	0.83	.....	5	18,986	nw.	72	nw.	28	10	5	16	6.1	....	....
Red Bluff	332	50	56	29.58	29.93	− .02	68.2	+ 1.7	96	31	80	46	1	56	32	55	44	50	0.95	− 0.4	5	4,447	se.	31	n.	29	19	6	6	3.5	....	....
Sacramento	69	106	117	29.88	29.95	+ .01	64.8	+ 1.9	92	25	78	47	2	52	37	54	47	60	0.51	− 0.5	5	6,219	s.	30	sw.	26	24	3	4	2.2	....	....
San Francisco	155	200	204	29.84	30.00	+ .01	56.6	+ 1.1	78	30	63	48	6	50	24	51	47	77	0.63	− 0.2	4	7,711	w.	33	sw.	26	15	10	6	4.0	....	....
San Jose	141	12	110	29.85	30.00	.....	60.0	− 0.7	89	30	73	36	1	47	41	....	....	....	0.77	+ 0.1	4	5,022	nw.	25	sw.	8	22	6	3	3.0	....	....
Southeast Farallon	30	9	17	29.99	30.02	.....	52.0	.....	58	10	54	48	4	50	7	....	....	....	0.96	+ 0.2	4	12,641	nw.	49	nw.	28	12	5	14	5.5	....	....
S. Pac. Coast Region.							**61.7**	**− 0.1**										**69**	**0.18**	**− 0.4**										**3.8**		
Fresno	330	62	70	29.58	29.93	+ .01	68.4	0.0	98	25	83	40	1	54	37	54	41	45	0.30	− 0.3	3	6,919	nw.	32	nw.	27	20	10	1	2.6	....	....
Los Angeles	338	159	191	29.62	29.99	+ .04	60.9	+ 0.4	76	24	69	47	5	53	26	54	51	77	0.05	− 0.4	1	4,304	sw.	24	sw.	1	16	9	6	4.4	....	....
San Diego	87	62	70	29.89	29.98	+ .03	59.7	− 1.1	68	11	64	47	2	55	15	55	53	81	0.07	− 0.3	1	5,193	w.	25	w.	28	15	10	6	4.4	....	....
San Luis Obispo	201	47	54	29.81	30.03	+ .03	57.7	+ 1.0	85	16	68	34	2	47	38	51	47	74	0.30	− 0.6	3	4,724	nw.	25	w.	12	14	13	4	3.7	....	....
West Indies.																																
San Juan	82	8	54	29.90	29.99	.00	76.2	.....	86	27	81	69	7	72	13	....	....	....	7.26	+ 2.5	21	9,432	ne.	33	ne.	24	8	8	15	6.2	....	....
Panama.																																
Ancon	92	6	69	.....	29.83	.....	80.2	.....	95	1	88	70	27	72	22	75	74	88	8.27	− 0.7	19	5,002	nw.	20	n.	1	0	2	29	8.8	....	....
Culebra	404	5	62	.....	29.85	.....	79.7	.....	91	5	87	69	27	72	20	74	73	91	11.74	+ 0.6	24	4,921	nw.	26	se.	7	0	11	20	8.0	....	....
Colon	10	5	71	.....	29.87	.....	79.4	.....	86	6	83	73	28	75	12	76	75	87	22.60	+10.0	26	6,875	n.	30	sw.	21	0	17	14	7.1	....	....

TABLE II.—*Accumulated amounts of precipitation for each 5 minutes, for the principal storms in which the rate of fall equaled or exceeded 0.25 inch in any 5 minutes, or 0.80 in 1 hour, during May, 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.	3-4	4.30 p. m.	D. N. a. m.	3.63	11.11 p. m.	12.03 a. m.	1.69	.07	.20	.30	.48	.66	.81	.90	.98	1.02	1.11	1.16			
Albany, N. Y.	23			1.16														.23			
Alpena, Mich.	5			0.79														.40			
Amarillo, Tex.	4			0.67														.30			
Anniston, Ala.	16-17	4.48 p. m.	D. N. a. m.	0.95	8.41 p. m.	8.56 p. m.	.32	.19	.27	.35											
Asheville, N. C.	16	1.05 p. m.	2.30 p. m.	0.77	1.12 p. m.	1.40 p. m.	.01	.17	.44	.55	.62	.68	.72								
Atlanta, Ga.	22	6.55 p. m.	9.20 p. m.	0.89	6.56 p. m.	7.06 p. m.	.01	.28	.42												
Atlantic City, N. J.	23-24	8.30 p. m.	6.25 a. m.	1.80	8.38 p. m.	8.51 p. m.	.01	.18	.32	.37											
Augusta, Ga.	11			0.25														.25			
Baker, Oreg.	7			0.18														.14			
Baltimore, Md.	23-24	2.40 p. m.	5.30 a. m.	1.71	4.19 p. m.	4.26 p. m.	.11	.25	.28												
Bentonville, Ark.	4			0.64														.42			
Binghampton, N. Y.	28			0.87														.20			
Birmingham, Ala.	22-23	10.30 a. m.	7.10 a. m.	2.77	12.48 a. m.	1.46 a. m.	1.21	.05	.09	.15	.20	.30	.40	.47	.53	.61	.69	.83			
Bismark, N. Dak.	31	12.04 p. m.	12.20 p. m.	0.32	12.07 p. m.	12.16 p. m.	.01	.18	.31												
Block Island, R. I.	24			0.51														.21			
Boise, Idaho	27			0.17														.17			
Boston, Mass.	23			1.09														.61			
Buffalo, N. Y.	21-22			0.87														.34			
Burlington, Vt.	18			0.21														.13			
Cairo, Ill.	16			0.63														.34			
Canton, N. Y.	22			0.50														.27			
Charles City, Iowa	19-20			1.21														.41			
Charleston, S. C.	27			0.15														.13			
Charlotte, N. C.	21	8.16 a. m.	8.48 a. m.	0.52	8.21 a. m.	8.41 a. m.	.01	.18	.27	.43	.50										
Chattanooga, Tenn.	16-17	5.02 p. m.	12.40 a. m.	1.05	5.39 p. m.	5.54 p. m.	.03	.18	.40	.45											
Cheyenne, Wyo.	24	4.24 p. m.	5.10 p. m.	0.39	4.24 p. m.	4.36 p. m.	.00	.13	.27	.36											
Chicago, Ill.	13			0.67														.39			
Cincinnati, Ohio	14			0.60														.45			
Cleveland, Ohio	15			0.82														.37			
Columbia, Mo.	12			0.40														.28			
Columbia, S. C.	21	3.10 p. m.	4.35 p. m.	0.63	3.14 p. m.	3.38 p. m.	.02	.13	.14	.22	.35	.52									
Columbus, Ohio	13			0.36														.33			
Concord, N. H.	28-29			1.46														.21			
Concordia, Kans.	3	12.16 a. m.	5.05 a. m.	1.96	12.18 a. m.	12.46 a. m.	.01	.33	.50	.73	.94	1.05	1.11								
Do	11-12	10.13 p. m.	12.30 a. m.	0.51	11.35 p. m.	11.53 p. m.	.05	.16	.27	.36	.45										
Do	19	7.52 p. m.	11.52 p. m.	1.30	7.59 p. m.	8.43 p. m.	.01	.08	.14	.26	.43	.60	.66	.68	.73	.84					
Corpus Christi, Tex.	21	4.02 p. m.	4.49 p. m.	0.63	4.05 p. m.	4.30 p. m.	.01	.09	.30	.43	.52	.60									
Davenport, Iowa	20	4.40 p. m.	6.28 p. m.	0.57	4.51 p. m.	5.06 p. m.	.01	.17	.33	.48											
Dayton, Ohio	14	1.00 a. m.	9.27 a. m.	1.17	1.38 a. m.	1.59 a. m.	.07	.08	.15	.33	.48	.52									
Del Rio, Tex.	2			0.31														.17			
Denver, Colo.	14			0.44														.24			
Des Moines, Iowa	3	2.47 p. m.	6.30 p. m.	1.56	4.47 p. m.	5.25 p. m.	.40	.09	.19	.35	.50	57	.64	.74	.78						
	13	7.52 a. m.	9.30 a. m.	0.52	7.56 a. m.	8.13 a. m.	.01	.25	.34	.45	.49										
Detroit, Mich.	21	12.29 p. m.	1.44 p. m.	0.88	12.51 p. m.	1.26 p. m.	.03	.13	.29	.32	.39	.50	.64	.83							
Devils Lake, N. Dak.	31			0.26														.25			
Dodge City, Kans.	3			0.56														.23			
Dubuque, Iowa	19-20	8.45 p. m.	4.55 a. m.	0.98	12.22 a. m.	12.37 a. m.	.08	.13	.35	.43											
Duluth, Minn.	28-29	11.40 p. m.	5.10 a. m.	1.09	2.13 a. m.	2.34 a. m.	.04	.25	.43	.57	.64										
Durango, Colo.	27			0.67														*			
Eastport, Me.	30			0.82														.23			
Elkins, W. Va.	26			0.96														.40			
El Paso, Tex.	7			T.														T.			
Erie, Pa.	21	8.41 p. m.	D. N. p. m.	0.37	8.46 p. m.	8.59 p. m.	.01	.18	.30	.36											
Escanaba, Mich.	4			0.90														.45			
Eureka, Cal.	10			0.38														.23			
Evansville, Ind.	20			0.14														.14			
Flagstaff, Ariz.																					
Fort Smith, Ark.	5			0.73														.36			
Fort Wayne, Ind.	21			0.86														.47			
Fort Worth, Tex.	3-4	6.15 p. m.	10.24 a. m.	1.51	5.31 a. m.	5.46 a. m.	.86	.21	.35	.41											
Fresno, Cal.	27-28			0.28														.15			
Galveston, Tex.	16	2.30 a. m.	5.35 a. m.	1.13	3.15 a. m.	4.05 a. m.	.08	.05	.14	.20	.25	.35	.46	.63	.73	.77	.84				
	21-22	D. N. p. m.	1.50 p. m.	2.57	4.20 a. m.	6.15 a. m.	.48	.05	.13	.18	.29	.42	.55	.63	.70	.77	.83	.92	1.17	1.51	1.70
Grand Haven, Mich.	14			0.29														.25			
Grand Junction, Colo.	19			0.06														.03			
Grand Rapids, Mich.	5			0.34														.21			
Green Bay, Wis.	20			1.02														.35			
Hannibal, Mo.	19			0.49														.41			
Harrisburg, Pa.	26			0.22														.19			
Hartford, Conn.	23			1.50														.45			
Hatteras, N. C.	28			0.81														.46			
Havre, Mont.	13			0.87														.20			
Helena, Mont.	27			0.18														.12			
Houghton, Mich.	17			0.49														.25			
Houston, Tex.	5	5.45 p. m.	8.25 p. m.	0.75	5.54 p. m.	6.10 p. m.	.01	.17	.39	.56	.62										
Huron, S. Dak.	31	7.25 p. m.	9.15 p. m.	0.40	7.27 p. m.	7.37 p. m.	.01	.17	.30												
Independence, Cal.	31			0.31														.20			
Indianapolis, Ind.	14			0.69														.66			
Iola, Kans.	20	6.30 p. m.	8.15 p. m.	0.64	7.20 p. m.	7.35 p. m.	.03	.12	.34	.60											
Jacksonville, Fla.	24			0.53														.39			
Kalispell, Mont.	26-27			0.28														.12			
Kansas City, Mo.	17	5.20 a. m.	9.53 a. m.	0.57	5.57 a. m.	6.08 a. m.	.02	.21	.40	.42											
Keokuk, Iowa	5	1.15 p. m.	4.15 p. m.	0.88	1.35 p. m.	1.56 p. m.	.05	.14	.41	.57	.62										
Key West, Fla.	25	6.45 a. m.	7.50 a. m.	0.57	6.45 a. m.	7.05 a. m.	.00	.15	.17	.33	.47										
	26	10.03 a. m.	11.30 a. m.	1.06	10.33 a. m.	11.09 a. m.	.05	.10	.25	.42	.53	.68	.78	.98	1.01						
Knoxville, Tenn.	27			0.76														.55			
La Crosse, Wis.	20	3.24 p. m.	6.03 p. m.	0.96	4.02 p. m.	4.20 p. m.	.15	.07	.25	.38	.43										
Lander, Wyo.	31			0.17														.16			
Lansing, Mich.	30			0.46														.48			
La Salle, Ill.	5	2.12 p. m.	2.58 p. m.	0.60	2.33 p. m.	2.54 p. m.	.02	.15	.25	.30	.55	.58									
Lewiston, Idaho	9			0.65														.25			
Lexington, Ky.	20	3.28 p. m.	5.00 p. m.	0.53	3.43 p. m.	3.55 p. m.	.01	.30	.36	.40											
Lincoln, Nebr.	20	12.01 p. m.	1.15 p. m.	0.52	12.08 p. m.	12.18 p. m.	.02	.27	.41												
Little Rock, Ark.	6	1.25 p. m.	5.40 p. m.	0.81	2.46 p. m.	3.00 p. m.	.09	.17	.29	.36											
Los Angeles, Cal.	28			0.05														.02			
Louisville, Ky.	21			0.35														.16			
Ludington, Mich.	14			0.46														.23			
Lynchburg, Va.	23-24	5.00 p. m.	6.10 a. m.	1.83	7.08 p. m.	7.43 p. m.	.41	.12	.26	.38	.49	.53	.59	.67							
Macon, Ga.	31			0.26														.22			
Madison, Wis.	4			0.99														.58			
Marquette, Mich.	3-4			0.66														.22			
Memphis, Tenn.	21	2.15 a. m.	3.10 p. m.	2.51	6.41 a. m.	7.19 a. m.	.89	.16					.64	.78	.84						

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 May, 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.
Meridian, Miss.	9	2.06 p. m.	3.10 p. m.	0.91	2.14 p. m.	2.52 p. m.	.01	.18	.33	.49	.60	.69	.77	.82	.87						
	15-16	6.35 p. m.	D. N. a. m.	1.52	7.18 p. m.	7.40 p. m.	.07	.08	.24	.32	.48	.52									
	21-23	9.15 p. m.	D. N. a. m.	2.69	8.24 p. m.	9.20 p. m.	1.31	.05	.17	.27	.43	.55	.62	.68	.74	.79	.89	.97			
Miami, Fla.	11	7.40 p. m.	9.05 p. m.	1.21	7.45 p. m.	8.17 p. m.	.01	.27	.62	.80	.92	1.00	1.11								
	24	11.41 a. m.	D. N. p. m.	2.79	11.52 a. m.	1.18 p. m.	.06	.06	.41	.62	.67	.69	.69	.71	.75	.81	.91	.97	1.24	1.39	
	25	5.25 p. m.	D. N. p. m.	2.69	5.30 p. m.	6.19 p. m.	.01	.20	.59	1.05	1.43	1.74	1.85	2.02	2.24	2.31	2.36				
Milwaukee, Wis.	14			0.39														.38			
Minneapolis, Minn.	14			0.86														.37			
Mobile, Ala.	23	D. N. a. m.	D. N. a. m.	0.56	2.06 a. m.	2.26 a. m.	.15	.07	.20	.30	.40										
Modena, Utah.	28			0.21														.14			
Montgomery, Ala.	23	D. N. a. m.	9.20 a. m.	0.59	5.33 a. m.	5.45 a. m.	.07	.06	.43	.50											
Moorhead, Minn.	31			2.01														.14			
Mount Tamalpais, Cal.	27			0.59														.12			
Mount Weather, Va.	23			1.80														.36			
Nantucket, Mass.	24			0.87														.31			
Nashville, Tenn.	16			0.87														.40			
New Haven, Conn.	23			0.57														.28			
New Orleans, La.	7	9.20 a. m.	12.55 p. m.	1.06	9.33 a. m.	9.58 a. m.	.02	.17	.38	.43	.53	.63									
	16	11.37 a. m.	2.35 p. m.	0.89	11.38 a. m.	11.58 a. m.	.01	.33	.67	.68	.77										
Do.	21-22	D. N. p. m.	1.55 p. m.	3.78	12.20 a. m.	1.01 a. m.	.04	.06	.09	.23	.39	.52	.87	1.15	1.36						
Do.	21-22	D. N. p. m.	1.55 p. m.	3.78	3.22 a. m.	4.07 a. m.	1.55	.07	.14	.34	.44	.56	.61	.64	.72	.82					
New York, N. Y.	23			0.81														.38			
Norfolk, Va.	20	5.55 p. m.	7.20 p. m.	0.50	6.02 p. m.	6.11 p. m.	.01	.19	.37												
Northfield, Vt.	23			0.73														.16			
North Head, Wash.	11			0.49														.18			
North Platte, Nebr.	31	10.03 p. m.	11.08 p. m.	1.52	10.11 p. m.	10.46 p. m.	.01	.14	.29	.53	.79	1.17	1.40	1.50							
Oklahoma, Okla.	17	4.24 p. m.	5.28 p. m.	0.58	4.35 p. m.	5.05 p. m.	.04	.05	.13	.24	.36	.44	.51								
Omaha, Nebr.	2-3	6.05 p. m.	7.30 a. m.	1.11	8.02 p. m.	8.37 p. m.	.12	.14	.34	.35	.35	.42	.59	.69							
	19-20	7.00 p. m.	1.50 a. m.	1.14	7.09 p. m.	7.37 p. m.	.01	.07	.15	.37	.47	.54	.60								
Oswego, N. Y.	22	1.35 p. m.	2.44 p. m.	0.70	1.59 p. m.	2.10 p. m.	.06	.21	.51	.52											
Palestine, Tex.	20	5.02 p. m.	5.50 p. m.	1.03	5.04 p. m.	5.36 p. m.	.02	.38	.54	.57	.61	.79	.98	1.01							
Parkersburg, W. Va.	26	12.57 p. m.	7.40 p. m.	0.81	2.27 p. m.	2.37 p. m.	.07	.31	.50												
Pensacola, Fla.	16	5.45 p. m.	11.20 p. m.	0.74	9.29 p. m.	9.53 p. m.	.05	.05	.14	.28	.45	.61									
Peoria, Ill.	13			0.42														.38			
Philadelphia, Pa.	27-28	10.55 p. m.	5.50 p. m.	1.24	7.05 a. m.	7.20 a. m.	.41	.19	.30	.40											
Phoenix, Ariz.	‡																				
Pierre, S. Dak.	18-19	11.30 p. m.	3.05 a. m.	1.22	12.16 a. m.	12.57 a. m.	.26	.12	.21	.28	.40	.47	.49	.55	.64	.68					
Pittsburgh, Pa.	30			0.49														.41			
Pocatello, Idaho.	18			1.39														.21			
Point Reyes Light, Cal.	27			0.52														.11			
Port Huron, Mich.	15			1.22														.30			
Portland, Me.	29			0.60														.24			
Portland, Oreg.	9			0.25														.10			
Providence, R. I.	28			0.52														.31			
Pueblo, Colo.	9			1.23														.31			
Raleigh, N. C.	27	9.50 a. m.	2.55 p. m.	0.77	1.18 p. m.	1.35 p. m.	.14	.21	.37	.49	.54										
Rapid City, S. Dak.	29			0.60														.24			
Reading, Pa.	23			1.55														.46			
Red Bluff, Cal.	18			0.34														.34			
Reno, Nev.	31			0.19														.16			
Richmond, Va.	30	3.57 p. m.	5.25 p. m.	0.74	4.21 p. m.	4.48 p. m.	.01	.09	.42	.53	.62	.70									
Rochester, N. Y.	28			0.64														.30			
Roseburg, Oreg.	11-12			0.50														.27			
Roswell, N. Mex.	25			0.02														.02			
Sacramento, Cal.	27			0.31														.08			
Saginaw, Mich.	15			0.59														.25			
St. Joseph, Mo.	20	8.06 p. m.	8.45 p. m.	0.53	8.18 p. m.	8.37 p. m.	.03	.11	.27	.40	.47										
St. Louis, Mo.	26	4.30 a. m.	7.30 a. m.	0.63	5.33 a. m.	5.43 a. m.	.01	.28	.48												
St. Paul, Minn.	14			0.89														.49			
Salt Lake City, Utah.	18			0.21														.16			
San Antonio, Tex.	15	8.40 p. m.	9.50 p. m.	1.90	9.13 p. m.	9.42 p. m.	.05	.12	.38	.80	1.35	1.67	1.82								
San Diego, Cal.	28			0.07														.07			
Sand Key, Fla.	26	11.40 a. m.	2.30 p. m.	1.09	12.07 p. m.	12.34 p. m.	.05	.22	.48	.72	.75	.82	.86								
Sandusky, Ohio.	22			0.58														.46			
San Francisco, Cal.	17			0.13														.08			
San Jose, Cal.	27			0.66														.21			
San Luis Obispo, Cal.	27			0.20														.09			
Santa Fe, N. Mex.	31			0.12														(*)			
Sault Ste. Marie, Mich.	4			0.49														.16			
Savannah, Ga.	15	1.54 p. m.	2.36 p. m.	0.56	1.57 p. m.	2.15 p. m.	.01	.20	.34	.46	.52										
Scranton, Pa.	28			0.59														.22			
Seattle, Wash.	9			0.35														.15			
Sheridan, Wyo.	16			0.20														.15			
Shreveport, La.	15-16	8.55 p. m.	D. N. a. m.	1.02	9.59 p. m.	10.18 p. m.	.12	.18	.41	.53	.62										
Sioux City, Iowa.	2	2.25 p. m.	7.55 p. m.	1.01	4.50 p. m.	4.55 p. m.	.30	.36													
Southeast Farallon, Cal.	27			0.79														.14			
Spokane, Wash.	10			0.27														.20			
Springfield, Ill.	26			0.52														.31			
Springfield, Mo.	5			1.13†														.40			
Syracuse, N. Y.	28			0.65														.15			
Tacoma, Wash.	9	2.50 p. m.	3.20 p. m.	0.44	3.02 p. m.	3.12 p. m.	.02	.27	.38												
Tampa, Fla.	24			0.63														.47			
Tatoosh Island, Wash.	9			0.66														.18			
Taylor, Tex.	15-16	3.39 p. m.	D. N. a. m.	2.82	5.19 p. m.	6.23 p. m.	.18	.08	.15	.50	.83	1.05	1.18	1.29	1.41	1.51	1.63	1.83	1.96		
Terre Haute, Ind.	15			0.26														.23			
Thomasville, Ga.	12			0.83														.41			
Toledo, Ohio.	14-15	8.05 p. m.	D. N. a. m.	1.38	9.35 p. m.	10.06 p. m.	.10	.28	.48	.56	.68	.81	.83								
	15	4.50 p. m.	5.30 p. m.	0.68	5.00 p. m.	5.18 p. m.	.02	.13	.31	.59	.65										
Tonopah, Nev.	29			0.85														.15			
Topeka, Kans.	19	8.16 a. m.	10.45 a. m.	0.73	8.29 a. m.	8.53 a. m.	.03	.07	.21	.28	.49	.56									
Valentine, Nebr.	11	3.50 p. m.	4.47 p. m.	0.97	4.21 p. m.	4.46 p. m.	.01	.09	.38	.77	.90	.96									
Vicksburg, Miss.	21			0.78														.24			
Walla Walla, Wash.																					
Washington, D. C.	23-24	2.41 p. m.	3.50 a. m.	2.24	4.29 p. m.	4.39 p. m.	.41	.14	.32												
Wichita, Kans.	3			0.51														.25			
Williston, N. Dak.	25			0.17														.16			
Wilmington, N. C.	28	6.45 a. m.	8.25 a. m.	0.76	7.12 a. m.	7.31 a. m.	.01	.19	.42	.54	.62										
Winnemucca, Nev.	18			0.35														.21			
Wytheville, Va.	27	1.45 p. m.	2.20 p. m.	0.68	1.47 p. m.	2.03 p. m.	.01	.16	.47	.59	.65										
Yankton, S. Dak.	13	12.45 a. m.	8.40 a. m.	2.20	3.32 a. m.	4.36 a. m.	.56	.07	.16	.31	.39	.49	.62	.72	.78	.83	.91	1.15	1.31		
Yellowstone Park, Wyo.	13			0.89														(*)			

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

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

Stations.	Pressure (in inches).			Temperature.						Precipitation.		
	Station, reduced to 24-hour mean.	Sea level, reduced to 24-hour mean.	Departure from normal.	Mean max.+mean min.÷2.	Departure from normal.	Mean maximum.	Mean minimum.	Highest.	Lowest.	Total.	Departure from normal.	Total snowfall.
St. Johns, N. F	29.26	29.69	—.29	43.2	+0.3	51.4	34.9	73	28	4.67	+1.01	T.
Sydney, C. B. I	29.89	29.93	—.04	44.5	—0.7	52.6	36.4	70	27	2.16	—1.61	.....
Halifax, N. S	29.83	29.94	—.04	47.0	—1.4	56.0	38.1	66	29	5.20	+0.94	.....
Yarmouth, N. S	29.88	29.95	—.03	46.2	—1.4	52.8	39.5	64	30	7.22	+3.42	.....
Charlottetown, P. E. I	29.89	29.93	—.03	45.4	—1.5	52.7	38.1	66	30	1.87	—1.04	1.4
Chatham, N. B	29.93	29.95	.00	47.6	—0.9	57.2	37.9	88	28	2.72	—0.49	.....
Father Point, Que	29.92	29.94	+.01	43.4	—0.6	50.0	36.8	68	24	2.85	+0.27	1.3
Quebec, Que	29.63	29.95	+.01	50.8	+0.9	60.7	40.9	84	28	2.69	—0.39	.....
Montreal, Que	29.76	29.97	+.03	53.9	—0.8	62.9	44.9	85	32	3.84	+0.89	.....
Stonecliffe, Ont	29.37	29.98	+.05	50.4	—1.9	63.2	37.5	87	23	2.04	—0.47	.....
Ottawa, Ont	29.73	30.05	+.11	53.2	—1.7	63.2	43.2	86	30	2.87	+0.28	.....
Kingston, Ont	29.71	30.02	+.06	52.1	—0.8	60.7	43.5	74	26	4.16	+1.48	.....
Toronto, Ont	29.63	30.01	+.03	54.3	+1.1	64.2	44.3	87	30	1.04	—2.00	.....
White River, Ont	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port Stanley, Ont	29.40	30.04	+.07	52.4	—0.7	61.9	43.0	74	26	2.29	—0.89	.....
Southampton, Ont	29.34	.....	.....	49.2	—1.5	58.9	39.6	82	25	0.82	—1.62	.....
Parry Sound, Ont	29.34	30.04	+.09	49.6	—1.5	60.2	38.9	83	24	1.57	—1.36	.....
Port Arthur, Ont	29.32	30.03	+.07	44.6	—1.3	54.7	34.5	80	24	3.43	+1.28	2.7
Winnipeg, Man	29.18	30.02	+.06	50.0	—1.6	61.7	38.2	88	22	0.53	—1.75	.....
Minnedosa, Man	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Qu'Appelle, Sask	27.71	29.95	+.01	48.2	—1.6	59.8	36.6	87	21	2.26	+0.61	4.5
Medicine Hat, Alberta	27.64	29.91	+.02	55.1	+1.0	69.1	41.2	88	23	1.06	—0.25	.....
Swift Current, Sask	27.37	29.94	+.02	50.4	—0.3	61.9	39.0	86	26	1.41	—0.35	T.
Calgary, Alberta	26.40	29.92	+.04	48.9	—0.1	61.7	36.1	80	19	2.27	+0.50	T.
Banff, Alberta	25.37	29.96	+.08	43.5	—3.5	54.4	32.6	70	17	1.34	—0.70	8.0
Edmonton, Alberta	27.66	29.95	+.07	49.4	—1.4	62.0	36.9	78	23	0.79	—0.76	0.4
Prince Albert, Sask	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Battleford, Sask	28.24	29.97	+.05	49.8	—1.2	62.8	36.7	80	25	0.46	—1.16	.....
Kamloops, B. C	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Victoria, B. C	29.96	30.06	+.06	53.9	+1.4	62.4	45.4	75	37	0.80	—0.68	.....
Barkerville, B. C	25.62	29.92	+.08	41.8	—3.7	52.4	31.2	62	15	3.13	+0.61	10.2
Hamilton, Bermuda	29.95	30.11	+.05	66.4	—3.0	72.6	60.3	77	49	1.32	—3.34	.....