HAIL

The following are the dates on which hail fell in the respective States:

Alabama, 2, 15, 27. Arizona, 4, 17, 18, 30. Arkansas, 25. California, 1. Colorado, 2, 4, 7, 8, 11, 20, 21, 22, 23, 30. Florida, 22, 25. Georgia, 24, 25, 30. Idaho, 1, 5, 7, 22. Illinois, 1, 13, 14, 15, 17, 19, 21, 23, 24, 25. Indiana, 24, 25. Indian Territory, 25. Iowa, 12, 14, 15, 16, 17, 23. Kansas, 11, 15, 21, 22, 24, 25, 27, 28. Kentucky, 1, 2, 3, 12, 15, 28. Louisiana, 26, 27. Maryland, 3, 18. Michigan, 14, 17, 19. Missouri, 12, 15, 21, 24, 25, 27. Montana, 4, 6, 7, 8, 9, 11, 14. Nebraska, 11, 12, 13, 14, 15, 16, 21, 23, 24, 26, 27. Nevada, 1, 2, 19, 22. New Jersey, 6, 7, 15, 17, 29. New Mexico, 5, 6, 7, 9, 17, 30. New York, 1, 2, 11, 24, 26, 28. North Carolina, 11, 14, 16, 21, 22, 29. North Dakota, 9, 10, 12, 14, 20, 21, 22, 30. Ohio, 3, 12, 15, 19, 20, 22, 24, 25, 31. Oklahoma, 23, 25. Pennsylvania, 6, 11, 16, 17, 18, 20. South Dakota, 13, 23, 31. Tennessee, 20, 22. Texas, 26. Utah, 5, 18. Virginia, 7, 22. Washington, 10, 21, 25, 26. West Virginia, 16, 18, 19. Wisconsin, 2. Wyoming, 5, 9, 10, 21.

WIND.

The maximum wind velocity at each Weather Bureau station for a period of five minutes is given in Table I, which also gives the altitude of Weather Bureau anemometers above ground.

Following are the velocities of 50 miles and over per hour registered during the month:

Maximum wind velocities.

Stations.	Date.	Velocity.	Direction.	Stations.	Date.	Velocity.	Direction.
Hatteras, N. C.	20	75	nw.	Mount Tamalpais, Cal.	27	51	nw.
Indianapolis, Ind.	12	52	nw.	Do.	29	58	nw.
Lincoln, Nebr.	15	54	nw.	New York, N. Y.	12	76	nw.
Do.	21	78	w.	Norfolk, Va.	16	52	nw.
Do.	23	54	nw.	Do.	24	50	sw.
Memphis, Tenn.	26	59	nw.	Pierre, S. Dak.	11	50	n.
Mount Tamalpais, Cal.	1	52	n.	Do.	12	60	n.
Do.	10	55	w.	Do.	21	53	ne.
Do.	18	50	w.	Point Reyes Light, Cal.	6	60	nw.
Do.	19	51	w.				

ATMOSPHERIC ELECTRICITY.

Numerical statistics relative to auroras and thunderstorms are given in Table VII, which shows the number of stations from which meteorological reports were received, and the number of such stations reporting thunderstorms (T) and auroras (A) in each State and on each day of the month, respectively.

The dates on which the number of reports of thunderstorms for the whole country were most numerous were: 15th, 350; 23d, 321; 27th, 275.

Reports were most numerous from: Missouri, 335; Ohio, 320; Iowa, 276.

Auroras.—The evenings on which bright moonlight must have interfered with observations of faint auroras are assumed to be the four preceding and following the date of full moon, viz, 6th to 14th.

In Canada.—Thunderstorms were reported as follows: Halifax, 4th, 27th; Charlottetown, 1st, 28th; Father Point, 24th; Quebec, 2d, 15th, 16th, 22d, 24th, 26th; Bissett, 14th, 25th, 30th; Ottawa, 2d, 5th, 6th, 14th; Kingston, 15th, 18th; Toronto, 7th, 9th, 11th, 13th, 18th; White River, 5th, 9th, 14th, 16th, 19th, 25th 30th; Port Stanley, 6th, 8th, 12th, 20th, 27th; Saugeen, 11th, 20th, 25th, 27th; Parry Sound, 5th, 14th; Port Arthur, 5th, 13th, 18th, 19th, 21st; Minnedosa, 8th, 9th, 12th, 13th, 17th, 18th, 22d, 25th, 26th, 29th, 30th; Qu'Appelle, 2d, 6th, 7th, 9th, 10th, 11th, 12th, 16th, 17th, 18th, 20th, 21st; Medicine Hat, 30th; Swift Current, 1st, 6th, 8th, 9th, 10th, 12th, 16th, 17th, 22d, 26th, 30th; Banff, 4th; Prince Albert, 18th; Victoria, 1st; Hamilton, Bermuda, 3d, 5th, 9th, 17th, 20th, 22d, 23d, 29th; Barkerville, 24th.

Auroras were reported as follows: Prince Albert, 23d.

SUNSHINE AND CLOUDINESS.

The distribution of sunshine is graphically shown on Chart VII, and the numerical values of average daylight cloudiness, both for individual stations and by geographical districts, appear in Table I.

The averages for the various districts, with departures from the normal, are shown in the table below:

Average cloudiness and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
New England	4.7	−0.3	Missouri Valley	3.9	−0.2
Middle Atlantic	3.9	−1.1	Northern Slope	4.4	+0.7
South Atlantic	3.2	−2.0	Middle Slope	3.6	−0.2
Florida Peninsula	5.3	+0.1	Southern Slope	3.2	−1.6
East Gulf	4.4	−0.5	Southern Plateau	2.2	−1.2
West Gulf	4.6	+0.2	Middle Plateau	2.8	+0.6
Ohio Valley and Tennessee	3.7	−0.8	Northern Plateau	4.5	+1.5
Lower Lake	4.4	−0.1	North Pacific Coast	5.3	+1.4
Upper Lake	5.5	+0.7	Middle Pacific Coast	3.3	+0.5
North Dakota	3.9	0.0	South Pacific Coast	3.2	+0.7
Upper Mississippi	3.8	−0.3			

HUMIDITY.

The averages by districts appear in the subjoined table:

Average relative humidity and departures from the normal.

Districts.	Average.	Departure from the normal.	Districts.	Average.	Departure from the normal.
	%			%	
New England	80	− 2	Missouri Valley	68	+ 1
Middle Atlantic	72	− 3	Northern Slope	55	+ 4
South Atlantic	76	− 6	Middle Slope	56	− 5
Florida Peninsula	79	− 2	Southern Slope	64	0
East Gulf	77	− 3	Southern Plateau	31	−17
West Gulf	79	+ 5	Middle Plateau	27	− 5
Ohio Valley and Tennessee	71	0	Northern Plateau	46	+ 3
Lower Lake	74	+ 4	North Pacific Coast	75	− 3
Upper Lake	80	+ 6	Middle Pacific Coast	63	− 5
North Dakota	71	+ 8	South Pacific Coast	67	+ 4
Upper Mississippi	73	+ 3			

DESCRIPTION OF TABLES AND CHARTS.

By ALFRED J. HENRY, Professor of Meteorology.

For description of tables and charts see page 214 of REVIEW for May, 1900.

TABLE I.—*Climatological data for Weather Bureau Stations, August*, 1900.

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, in inches.			Wind.					Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
	Barometer above sea level, feet.	Thermometers above ground.	Anemometer above ground.	Mean actual, 8 a. m. + 8 p. m. ÷ 2.	Mean reduced.	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 .01, or more.	Total movement, miles.	Prevailing direction.	Maximum velocity. Miles per hour.	Maximum velocity. Direction.	Maximum velocity. Date.					
New England.							63.6	+ 2.0										80	2.39	− 1.6											4.7
Eastport	76	69	74	29.92	30.00	+ .03	62.1	+ 1.5	89	27	70	50	21	54	34	57	55	85	2.58	− 0.9	12	5,637	n.	30	e.	14	8	15	8	5.8
Portland, Me	103	81	89	29.88	29.98	.00	67.8	+ 1.0	94	11	76	52	14	60	23	61	58	74	3.72	0.0	8	4,438	nw.	21	s.	2	14	11	6	4.5
Northfield	876	15	65	29.11	30.03	+ .05	64.6	+ 1.7	91	26	76	38	4	53	41	60	58	85	4.11	− 0.5	12	4,979	s.	36	w.	6	4	18	9	6.0
Boston	125	115	181	29.88	30.01	+ .03	71.1	+ 2.0	97	26	79	52	4	63	28	65	62	76	2.46	− 2.0	10	6,073	sw.	39	w.	10	14	8	9	4.8
Nantucket	12	43	54	30.01	30.02	+ .01	69.2	+ 1.5	87	11	75	59	15	64	17	65	63	83	1.56	− 1.6	8	6,216	sw.	26	ne.	2	9	15	7	5.0
Block Island	26	11	70	29.99	30.02	+ .02	70.6	+ 2.6	89	9	77	54	21	64	21	66	64	84	2.85	− 0.6	9	8,507	sw.	39	ne.	3	17	11	3	3.5
Narragansett	.....	10	....	.....	.....	.....	70.6	+ 2.2	90	11	78	48	4	63	24	....	....	....	0.96	− 2.9	5	.....	s.	....	.....	....	24	4	3	....
New Haven	106	117	140	29.91	30.02	+ .01	73.2	+ 3.2	98	11	83	53	4	64	27	66	63	74	0.90	− 4.2	10	5,295	sw.	24	w.	11	20	8	3	3.0
Mid. Atlan. States.							78.2	+ 5.0										72	2.68	− 1.9											3.9
Albany	97	84	113	29.92	30.02	+ .04	74.7	+ 4.2	98	6	85	51	4	64	34	65	61	68	2.83	− 1.2	12	4,560	s.	26	se.	13	14	13	4	4.1
Binghamton	875	79	90	.....	.....	.....	72.2	+ 5.0	96	10	84	45	4	61	40	....	....	....	0.67	− 3.3	11	3,539	nw.	26	n.	8	6	15	10	5.7
New York	314	108	346	29.69	30.02	+ .01	76.8	+ 4.5	95	11	84	60	4	70	28	68	64	71	2.69	− 2.0	9	7,000	nw.	76	nw.	12	15	12	4	4.4
Harrisburg	374	94	104	.....	.....	.....	78.2	+ 6.1	98	6	88	57	2	68	29	....	....	....	4.72	+ 0.2	9	3,456	nw.	33	w.	24	14	12	5	3.9
Philadelphia	117	168	184	29.92	30.04	+ .02	79.2	+ 5.4	101	11	88	61	4	70	29	69	65	69	3.95	− 0.4	13	5,491	n.	31	nw.	12	15	11	5	4.3
Atlantic City	52	68	76	29.98	30.03	+ .04	76.2	+ 4.4	98	11	83	58	5	70	24	71	68	79	0.70	− 4.1	8	6,134	sw.	26	ne.	12	16	12	3	3.7
Cape May	17	47	51	30.02	30.04	+ .04	76.7	+ 3.5	96	12	83	60	4	71	21	71	...	....	2.73	− 2.8	14	4,396	s.	40	n.	6	17	10	4	3.7
Baltimore	123	68	82	29.90	30.03	+ .02	80.4	+ 5.5	100	10	89	61	2	71	30	71	68	70	2.91	− 1.1	10	3,204	w.	26	w.	12	13	13	5	4.0
Washington	112	59	76	29.92	30.03	+ .01	79.6	+ 5.0	101	11	90	59	2	70	30	71	68	73	2.28	− 1.7	11	3,613	nw.	28	se.	24	22	4	5	3.2
Cape Henry	.....	5	34	.....	.....	.....	81.2	+ 4.8	100	16	89	65	6	73	26	....	....	...	2.99	− 2.5	8	6,723	sw.	36	ne.	21	14	15	2	4.0
Lynchburg	681	83	88	29.33	30.04	+ .03	81.2	+ 5.9	100	11	92	62	5	70	32	71	67	67	2.29	− 1.7	6	2,190	nw.	44	n.	16	19	10	2	3.5
Norfolk	91	102	111	29.94	30.03	+ .03	81.9	+ 5.3	100	11	90	66	6	73	27	74	71	77	3.37	− 2.7	9	5,109	s.	52	nw.	16	20	8	3	3.3
Richmond	144	82	90	.....	.....	.....	82.9	.....	102	11	94	65	6	72	28	....	....	....	3.66	.....	10	2,930	n.	24	sw.	13	17	13	1	3.4
S. Atlantic States.							82.9	+ 4.4										76	2.43	− 4.2											3.2
Charlotte	773	68	76	29.26	30.05	+ .06	81.9	+ 5.8	99	10	93	67	7	71	29	70	66	65	3.05	− 2.3	6	3,707	sw.	34	sw.	16	20	8	3	3.4
Hatteras	11	17	36	30.03	30.04	+ .05	80.6	+ 3.2	90	9	85	68	6	76	17	75	73	82	1.56	− 4.8	8	8,193	sw.	75	nw.	20	18	12	1	3.2
Kittyhawk	8	12	30	.....	.....	.....	80.8	+ 3.2	98	11	87	66	*	74	20	....	....	....	3.79	− 3.0	8	7,980	sw.	....	.....	...	23	7	1	2.4
Raleigh	376	93	101	29.67	30.05	+ .06	82.2	+ 6.5	99	15	93	65	5	71	29	73	69	71	4.51	− 1.7	6	3,425	sw.	38	nw.	20	25	5	1	2.4
Wilmington	78	82	90	29.98	30.06	+ .07	82.4	+ 4.2	97	9	92	64	3	73	25	74	73	80	1.90	− 5.6	6	4,992	sw.	38	s.	8	18	11	2	3.3
Charleston	48	14	92	30.04	30.09	+ .10	84.2	+ 3.7	99	21	91	72	31	78	21	76	73	77	0.40	− 7.2	4	6,731	sw.	42	ne.	17	12	19	0	4.0
Columbia	.....	5	....	.....	.....	.....	85.1	+ 6.5	106	20	98	67	6	73	30	....	....	....	0.61	− 6.2	7	.....	sw.	....	.....	...	17	13	1	3.5
Augusta	180	89	103	29.87	30.06	+ .09	84.0	+ 4.6	102	20	95	69	25	73	26	73	69	69	4.42	− 0.8	8	3,634	nw.	28	sw.	24	22	6	3	2.8
Savannah	65	79	89	30.01	30.07	+ .07	83.9	+ 3.6	102	20	94	69	7	74	27	76	75	83	2.01	− 5.7	8	4,634	sw.	35	s.	14	21	10	0	2.7
Jacksonville	43	69	84	30.03	30.08	+ .10	84.2	+ 3.1	101	21	93	70	8	75	27	75	73	78	2.07	− 4.4	6	4,622	sw.	40	sw.	22	12	15	4	4.2
Florida Peninsula.							82.6	+ 0.5										79	3.68	− 2.8											5.3
Jupiter	28	13	30	30.03	30.06	+ .06	83.2	+ 2.2	93	22	89	74	18	77	17	77	74	78	1.12	− 4.0	6	5,741	e.	20	ne.	17	12	18	1	4.1
Key West	22	43	50	30.03	30.05	+ .09	82.7	− 1.2	89	24	87	72	28	78	16	76	74	77	3.02	− 1.8	18	6,151	e.	30	ne.	16	9	18	4	5.2
Tampa	34	60	67	30.03	30.07	+ .10	82.0	+ 0.6	93	29	91	68	5	73	23	74	72	82	6.90	− 2.6	15	3,677	ne.	34	se.	26	1	25	5	6.6
East Gulf States.							81.9	+ 2.2										77	2.73	− 2.9											4.4
Atlanta	1,174	139	156	28.89	30.08	+ .09	81.2	+ 4.7	98	11	91	68	31	71	24	71	68	72	1.79	− 3.0	6	5,366	nw.	30	nw.	14	17	9	5	4.1
Macon	370	93	99	.....	.....	.....	82.4	.....	100	9	94	67	7	71	29	....	....	....	5.93	.....	9	3,302	sw.	48	s.	12	3	28	0	4.3
Pensacola	56	78	90	.....	.....	.....	82.4	+ 2.0	97	20	89	72	15	76	20	....	....	....	2.54	− 5.8	8	5,892	ne.	40	se.	15	14	14	3	4.1
Mobile	57	88	96	30.02	30.06	+ .11	81.4	+ 1.1	96	21	89	69	22	74	23	75	73	81	4.70	− 2.2	13	4,259	n.	36	nw.	22	18	12	6	4.4
Montgomery	223	100	112	29.84	30.07	+ .09	83.0	+ 3.2	99	10	93	69	7	73	27	73	70	75	2.31	− 1.8	8	3,517	sw.	30	sw.	29	12	17	2	4.1
Meridian	375	84	93	.....	.....	.....	80.3	+ 2.5	95	10	91	65	8	70	28	....	....	....	2.26	− 1.6	5	2,901	sw.	19	s.	5	15	13	8	4.0
Vicksburg	247	65	73	29.78	30.04	+ .05	81.2	+ 1.1	93	21	90	69	2	72	23	74	72	79	0.12	− 3.4	3	3,766	sw.	30	se.	6	14	13	4	4.1
New Orleans	51	112	120	30.00	30.06	+ .10	82.4	+ 0.9	94	21	89	68	6	76	19	75	73	79	4.19	− 1.9	10	4,748	se.	31	se.	6	13	9	9	4.7
Port Eads	.....	27	...	.....	.....	.....	83.4	+ 1.8	92	*	89	73	*	78	15	....	...	....	4.33	− 3.3	10	.....	se.	....	.....	...	3*	20*	7*	6.1
West Gulf States.							81.7	+ 1.2										79	4.30	+ 0.7											4.6
Shreveport	249	77	84	29.77	30.03	+ .06	81.8	+ 0.5	96	21	91	67	28	72	24	74	71	80	3.02	+ 0.8	9	4,464	s.	30	s.	26	5	19	7	5.4
Fort Smith	457	74	82	29.52	29.99	+ .05	82.4	+ 4.7	100	21	93	66	2	72	27	73	70	72	3.01	− 0.7	5	5,897	e.	30	e.	26	17	5	9	4.5
Little Rock	357	93	100	29.66	30.03	+ .06	81.0	+ 2.8	96	21	91	64	26	71	23	73	71	78	4.31	+ 0.2	11	4,600	s.	38	n.	27	15	15	1	3.6
Corpus Christi	18	42	50	29.96	29.98	+ .02	81.8	+ 0.4	89	24	86	72	11	77	14	77	76	84	5.48	+ 2.4	10	8,813	se.	30	e.	11	13	10	8	4.6
Fort Worth	670	106	114	.....	.....	.....	81.2	.....	97	27	90	65	30	72	26	....	....	....	1.43	.....	6	8,541	s.	38	s.	24	9	21	1	4.2
Galveston	54	84	88	29.95	30.00	+ .05	82.8	− 0.4	90	5	87	72	3	79	14	77	75	80	6.94	+ 1.4	15	5,610	s.	32	sw.	11	13	12	6	4.7
Palestine	510	54	61	29.47	30.01	+ .04	80.2	− 0.2	93	26	89	67	29	72	24	73	71	82	3.29	+ 0.6	11	4,994	s.	22	sw.	24	9	11	11	5.3
San Antonio	701	95	104	29.26	29.98	+ .04	82.8	+ 0.6	96	26	92	69	30	73	24	74	72	80	4.05	+ 0.2	12	5,250	se.	26	ne.	8	12	13	6	4.8
Ohio Val. & Tenn.							80.2	+ 5.4										71	2.85	− 0.7											3.7
Chattanooga	762	106	112	29.30	30.08	+ .08	81.0	+ 5.1	98	8	91	67	4	71	28	71	68	71	2.16	− 1.6	10	4,194	sw.	38	w.	13	15	16	0	3.5
Knoxville	1,004	10	88	29.06	30.08	+ .06	80.2	+ 5.4	98	11	92	65	4	69	30	71	68	76	3.64	− 0.4	9	3,684	ne.	42	sw.	12	20	9	2	3.0
Memphis	397	140	154	29.64	30.05	+ .07	81.9	+ 3.2	96	21	91	65	26	73	21	74	71	74	0.48	− 3.1	4	5,807	sw.	59	nw.	26	14	13	4	4.0
Nashville	546	128	134	29.51	30.07	+ .09	82.4	+ 4.9	98	21	93	66	1	72	26	73	70	72	1.24	− 2.2	5	3,511	w.	34	s.	23	18	8	5	3.4
Lexington	989	75	102	.....	.....	.....	79.3	+ 5.4	96	11	89	62	3	69	25	....	....	....	5.75	+ 2.2	10	5,030	sw.	42	nw.	14	8	21	2	4.6
Louisville	525	114	136	29.50	30.05	+ .08	82.5	+ 6.2	101	10	94	67	2	71	30	72	69	73	3.43	− 0.1	9	4,223	sw.	41	n.	16	19	11	1	3.2
Evansville	434	73	82	.....	.....	.....	83.4	.....	100	21	94	67	2	73	25	....	....	....	0.95	.....	4	4,001	s.	44	n.	1	24	7	0	1.6
Indianapolis	822	154	164	29.18	30.02	+ .01	79.4	+ 5.8	94	18	88	66	13	70	23	67	61	58	3.82	0.0	8	5,562	sw.	52	nw.	12	9	18	4	4.5
Cincinnati	628	152	157	29.41	30.06	+ .06	80.0	+ 5.0	96	10	89	64	3	71	24	71	68	72	4.17	+ 0.4	11	3,698	se.	42	nw.	14	12	15	4	4.2
Columbus	824	87	100	29.20	30.05	+ .06	78.5	+ 6.2	96	19	89	60	2	68	28	68	65	71	3.02	− 0.2	9	4,277	w.	38	nw.	15	17	13	1	3.5
Pittsburg	842	116	123	29.16	30.03	+ .02	78.7	+ 5.9	98	11	89	54	2	68	32	68	64	67	0.84	− 2.3	7	3,658	nw.	30	nw.	15	11	19	1	4.5
Parkersburg	638	77	84	29.41	30.06	+ .05	78.6	+ 6.5	98	11	90	57	5	68	35	70	67	73	3.32	− 0.7	8	2,959	sw.	39	n.	19	21	6	4	3.0
Elkins	1,940	41	50	.....	.....	.....	72.4	.....	91	11	85	47	4	60	38	....	....	....	2.61	.....	8	2,062	n.	27	nw.	15	10	16	5	4.5
Lower Lake Region.							74.4	+ 5.0										74	2.64	− 0.3											4.4
Buffalo	767	178	206	29.22	30.02	+ .04	73.0	+ 4.5	87	23	79	58	4	67	23	67	64	75	3.69	+ 0.5	12	7,770	sw.	34	w.	11	6	20	5	5.4
Oswego	335	76	87	29.66	30.02	+ .02	71.3	+ 3.1	94	25	79	54	2	64	31	65	62	75	2.10	− 0.5	7	5,452	sw.	26	nw.	11	17	13	1	3.3
Rochester	523	81	90	29.47	30.02	+ .03	73.7	+ 5.3	96	6	83	52	2	65	37	65	61	69	2.03	− 1.0	11	4,483	sw.	28	sw.	11	9	14	8	5.3
Erie	713	92	102	29.29	30.02	+ .03	74.2	+ 4.7	90	25	80	55	2	68	23	68	65	75	2.26	− 1.0	8	5,802	w.	26	nw.	12	13	14	4	4.6
Cleveland	762	190	201	29.25	30.03	+ .08	74.7	+ 5.1	91	10	82	56	2	68	24	67	64	71	1.79	− 1.3	13	7,726	se.	35	sw.	11	15	10	6	3.5
Sandusky	629	62	70	29.38	30.03	+ .03	76.3	+ 5.3	95	10	85	59	2	68	24	69	66	75	4.91	+ 1.8	14	4,218	sw.	40	nw.	20	14	10	7	4.5
Toledo	628	123	128	29.38	30.04	+ .05	76.6	+ 5.8	94	5	85	60	1	68	23	69	66	76	2.25	− 0.4	12	5,555	sw.	36	nw.	20	16	11	4	3.5
Detroit	730	160	166	29.26	30.02	+ .02	75.5	+ 5.8	94	8	84	60	1	67	26	68	66	77	2.08	− 0.6	10	5,576	sw.	36	n.	20	12	12	7	4.9
Upper Lake Region.							71.8	+ 6.1										80	3.91	+ 0.9											5.5
Alpena	609	61	65	29.37	30.01	+ .02	69.7	+ 6.2	95	6	78	50	2	61	32	65	62	80	2.97	− 0.5	14	5,397	se.	38	ne.	19	12	6	13	5.5
Escanaba	612	43	57	29.34	29.98	+ .01	70.0	+ 5.4	85	8	77	50	3	63	24	65	63	81	2.99	− 0.8	10	5,520	s.	29	w.	9	7	15	9	5.7
Grand Haven	632	55	64	29.34	30.00	+ .02	73.3	+ 6.3	87	6	81	55	1	65	24	68	66	80	4.36	+ 1.7	10	5,042	sw.	42	w.	20	14	11	6	4.5
Marquette	734	67	95	29.20	29.96	− .03	69.7	+ 6.1	93	4	77	54	3	62	27	64	63	83	1.98	− 0.9	15	5,921	sw.	32	se.	24	8	15	8	6.1
Port Huron	638	70	108	29.37	30.04	+ .06	74.2	+ 7.2	97	5	84	54	4	65	32	67	65	78	4.12	+ 1.6	13	5,853	sw.	48	se.	26	10	15	6	5.0
Sault Ste. Marie	614	40	61	29.34	29.98	− .01	67.4	+ 6.6	89	5	77	49	2	58	31	63	61	84	4.27	+ 1.5	14	4,117	e.	30	nw.	30	8	15	8	5.5
Chicago	823	241	274	29.15	30.00	+ .02	76.3	+ 5.4	94	5	83	64	12	70	24	71	69	82	4.24	+ 1.3	11	9,958	sw.	45	sw.	15	11	16	4	4.5
Milwaukee	681	124	142	29.29	30.00	+ .01	74.8	+ 6.5	96	5	83	61	13	67	27	68	66	79	3.76	+ 1.0	10	5,906	sw.	37	ne.	2	6	11	14	6.1
Green Bay	617	49	57	29.34	29.99	− .02	75.2	+ 8.5	96	19	85	58	2	66	28	67	64	73	4.28	+ 1.4	8	4,802	sw.	45	nw.	20	6	13	12	6.1
Duluth	702	95	115	29.18	29.92	− .04	67.6	+ 2.9	92	4	75	55	28	60	32	62	60	83	6.15	+ 2.8	20	6,702	ne.	38	nw.	4	3	18	10	6.2
North Dakota.							71.7	+ 5.3										71	5.66	+ 3.7											3.9
Moorhead	935	54	60	28.86	29.84	− .10	73.4	+ 8.2	98	7	84	48	28	63	32	66	64	77	9.58	+ 6.9	14	6,391	se.	36	nw.	22	9	14	8	5.5
Bismarck	1,674	16	29	28.10	29.82	− .10	72.8	+ 5.8	105	1	85	47	27	60	35	63	59	69	2.92	+ 1.0	11	6,774	se.	42	w.	10	25	5	1	2.8
Williston	1,875	15	31	27.89	29.82	− .08	68.8	+ 2.3	104	1	82	44	27	56	38	60	56	68	4.47	+ 3.3	11	6,835	n.	48	w.	6	23	8	0	3.4
Upper Mis. Valley.							79.8	+ 7.0										73	3.72	+ 0.7											3.8
Minneapolis	.....	99	208	.....	.....	.....	76.6	+ 7.5	94	18	86	58	28	67	27	....	....	....	6.67	+ 2.5	9	7,488	sw.	43	nw.	9	10	12	9	....

TABLE I.—*Climatological data for Weather Bureau Stations, August*, 1900—Continued.

Stations.	Elevation of instruments: Barometer above sea level, feet.	Elevation of instruments: Thermometers above ground.	Elevation of instruments: Anemometer above ground.	Pressure, in inches: Mean actual, 8 a. m. + 8 p. m. ÷ 2.	Pressure, in inches: Mean reduced.	Pressure, in inches: Departure from normal.	Temperature of the air, in degrees Fahrenheit: Mean max. + mean min. ÷ 2.	Temperature: Departure from normal.	Temperature: Maximum.	Temperature: Date.	Temperature: Mean maximum.	Temperature: Minimum.	Temperature: Date.	Temperature: Mean minimum.	Temperature: Greatest daily range.	Mean wet thermometer.	Mean temperature of the dew-point.	Mean relative humidity, per cent.	Precipitation, in inches: Total.	Precipitation: Departure from normal.	Precipitation: Days with .01, or more.	Wind: Total movement, miles.	Wind: Prevailing direction.	Wind: Maximum velocity: Miles per hour.	Wind: Maximum velocity: Direction.	Wind: Maximum velocity: Date.	Clear days.	Partly cloudy days.	Cloudy days.	Average cloudiness, tenths.	Total snowfall.
Up. Miss. V.—Con.																															
St. Paul	837	114	124	29.02	29.88	− .09	77.2	+ 8.1	96	4	87	58	29	68	29	68	64	70	3.13	− 0.2	10	4,994	s.	26	nw.	15	9	17	5	5.2	
La Crosse	714	70	78	.....	.....	.....	77.7	+ 7.6	96	19	88	56	29	68	30	....	....	..	2.75	− 0.5	10	4,419	s.	30	w.	11	15	14	2	3.4	
Davenport	606	71	79	29.34	29.97	− .02	79.8	+ 7.0	97	5	90	63	17	70	28	71	67	71	4.90	+ 1.3	8	4,230	nw.	40	nw.	17	12	16	3	4.3	
Des Moines	861	84	88	29.06	29.96	− .01	77.7	+ 5.7	92	5	88	61	26	68	27	71	69	79	8.02	+ 4.8	9	5,612	sw.	37	se.	23	11	16	4	4.8	
Dubuque	698	101	109	29.25	29.97	− .02	78.0	+ 6.4	95	5	88	59	29	68	27	70	66	72	3.35	+ 0.2	8	3,902	s.	36	nw.	12	16	13	2	3.6	
Keokuk	614	63	78	29.34	29.97	− .01	82.2	+ 7.7	98	18	92	66	*	72	25	72	68	68	4.21	+ 1.4	7	4,684	sw.	34	sw.	12	18	13	0	2.9	
Cairo	356	87	93	29.67	30.04	+ .07	81.9	+ 4.9	97	21	91	65	26	73	22	74	71	75	0.27	− 2.6	4	4,163	sw.	37	nw.	26	15	13	3	3.8	
Springfield, Ill.	644	82	92	29.35	30.01	+ .01	80.2	+ 6.8	97	18	91	63	25	70	27	71	68	72	4.44	+ 2.1	11	5,266	sw.	44	w.	24	16	13	2	3.6	
Hannibal	534	75	110	.....	.....	.....	82.2	+ 8.0	99	21	93	63	27	71	29	....	....	....	1.86	− 0.1	10	6,334	sw.	34	sw.	23	17	14	0	3.1	
St. Louis	567	111	210	29.42	30.00	+ .03	83.8	+ 7.0	99	18	92	68	26	75	23	75	72	75	1.30	− 2.2	5	6,348	s.	47	w.	23	19	6	6	3.5	
Missouri Valley.							78.4	+ 5.5										66	4.03	+ 0.9										3.9	
Columbia	784	4	84	.....	.....	.....	81.2	+ 6.1	100	21	93	62	1	69	33	....	....	....	4.05	+ 1.2	8	4,844	s.	32	w.	24	15	10	6	4.1	
Kansas City	963	78	95	28.98	29.97	.00	80.2	+ 4.5	98	21	89	60	26	71	26	70	66	67	2.09	− 1.8	6	6,147	s.	36	nw.	27	19	6	6	3.2	
Springfield, Mo	1,324	100	103	28.65	30.00	+ .03	78.8	+ 4.8	96	21	88	60	25	70	23	70	66	69	4.73	+ 0.7	7	6,931	s.	36	n.	27	20	7	4	3.2	
Topeka	.....	81	....	.....	.....	.....	80.3	+ 5.5	100	20	91	57	26	69	34	....		....	2.07	− 2.4	8	.....	s.	....	.....	...	12	18	1	3.8	
Lincoln	1,189	75	84	28.65	29.87	− .09	78.6	+ 5.0	96	20	89	60	24	68	27	69	65	69	9.07	+ 6.0	8	8,733	se.	78	w.	21	16	10	5	3.9	
Omaha	1,105	115	121	28.76	29.89	− .07	79.0	+ 5.3	94	20	88	62	24	70	25	70	67	72	3.52	+ 0.2	9	5,647	se.	38	n.	15	18	12	1	3.5	
Valentine	2,598	39	40	27.20	29.82	− .14	74.8	+ 4.5	99	2	88	51	25	62	35	64	59	66	4.67	+ 2.6	10	8,506	s.	38	nw.	5	18	7	6	4.0	
Sioux City	1,135	96	164	.....	.....	.....	77.2	+ 5.6	97	2	87	58	13	67	28	....	....	..	3.56	− 0.2	9	9,825	s.	47	nw.	15	18	10	3	3.5	
Pierre	1,572	11	19	28.18	29.79	− .15	78.6	+ 5.8	110	1	91	56	15	66	37	65	58	57	1.90	+ 0.2	10	8,703	se.	60	n.	12	13	13	5	4.3	
Huron	1,306	56	67	28.47	29.82	− .13	75.7	+ 7.3	103	2	87	53	25	64	37	68	65	75	6.66	+ 4.1	14	8,426	se.	46	nw.	22	14	15	2	3.9	
Yankton	1,233	52	58	.....	.....	.....	77.6	+ 5.8	98	2	88	57	13	68	30	....	....	...	2.51	− 0.6	11	7,738	s.	43	w.	16	7	15	9	5.5	
Northern Slope.							69.1	+ 1.2										55	1.54	+ 0.2										4.4	
Havre	2,505	46	47	27.26	29.82	− .09	65.8	+ 0.2	101	1	80	35	27	52	42	54	46	57	1.62	+ 0.2	9	7,118	w.	37	n.	22	13	16	2	4.3	
Miles City	2,371	42	50	27.35	29.76	− .14	71.9	+ 0.2	106	1	86	42	27	58	44	63	59	72	4.58	+ 3.5	10	3,705	ne.	40	s.	6	20	10	1	2.9	
Helena	4,110	88	93	25.76	29.86	− .04	63.8	− 2.7	94	1	75	42	27	53	35	50	37	44	0.59	0.0	9	5,536	sw.	36	sw.	21	7	15	9	5.4	
Kalispell	2,965	45	51	26.87	29.91	.....	58.4	.....	90	1	71	36	27	45	38	49	41	60	1.48	.....	12	4,773	w.	31	sw.	8	5	14	12	6.1	
Rapid City	3,234	46	50	26.51	29.73	− .17	73.2	+ 3.3	106	1	86	48	24	60	37	62	56	59	1.64	+ 0.3	10	5,365	w.	36	nw.	10	12	15	4	4.3	
Cheyenne	6,088	56	64	24.04	29.82	− .07	67.4	+ 2.4	92	1	83	45	23	52	46	50	34	38	0.70	− 0.9	6	6,317	nw.	43	sw.	14	9	20	2	4.1	
Lander	5,372	28	36	24.63	29.87	− .06	64.8	− 0.2	92	1	83	39	25	46	45	49	35	44	0.25	− 0.6	3	3,331	sw.	32	w.	21	12	15	4	4.1	
North Platte	2,821	43	52	27.01	29.84	− .09	76.7	+ 5.8	97	19	90	52	24	64	35	65	60	65	1.37	− 1.0	8	7,529	s.	49	nw.	23	14	15	2	4.3	
Middle Slope.							78.2	+ 3.6										56	1.45	− 1.2										3.6	
Denver	5,291	79	151	24.73	29.84	− .03	72.4	+ 2.3	97	1	88	46	25	56	41	54	40	40	0.05	− 1.4	4	5,876	s.	48	w.	3	12	14	5	4.4	
Pueblo	4,685	80	86	25.26	29.82	− .08	73.6	+ 1.3	96	14	90	44	25	57	43	55	40	39	T.	− 2.1	0	4,300	nw.	30	nw.	24	17	14	0	3.1	
Concordia	1,398	42	47	28.46	29.89	− .07	81.6	+ 7.2	103	20	93	58	24	70	35	69	64	62	3.12	+ 0.2	8	7,230	s.	28	nw.	23	14	17	0	3.6	
Dodge	2,509	44	52	27.34	29.85	− .06	80.2	+ 5.0	104	16	93	57	24	67	35	66	60	61	1.32	− 1.5	4	11,145	se.	40	s.	19	25	6	0	2.9	
Wichita	1,358	78	85	28.54	29.92	.00	81.7	+ 5.2	102	13	94	55	26	70	39	69	63	60	1.69	− 1.9	7	7,107	s.	30	n.	27	19	9	3	3.3	
Oklahoma	1,214	54	62	28.70	29.95	+ .03	79.9	+ 0.5	98	22	90	63	28	70	27	70	66	71	2.52	− 0.6	4	8,242	s.	44	ne.	28	17	9	5	4.0	
Southern Slope.							77.8	+ 1.3										64	1.47	− 1.4										3.2	
Abilene	1,738	45	54	28.16	29.92	− .02	80.6	+ 0.4	100	24	90	64	29	71	24	69	65	66	2.11	− 0.6	7	8,037	se.	36	ne.	29	16	10	5	3.9	
Amarillo	3,676	54	61	26.25	29.88	− .05	75.1	+ 2.2	96	23	87	60	2	64	34	64	57	62	0.83	− 2.1	5	12,750	s.	46	se.	3	21	6	4	2.5	
Southern Plateau.							73.7	− 1.6										31	0.25	− 1.0										2.2	
El Paso	3,762	10	110	26.14	29.82	− .03	81.2	+ 2.2	102	15	95	62	27	68	37	60	45	37	0.43	− 1.4	4	6,220	e.	37	ne.	16	16	12	3	3.5	
Santa Fe	7,013	47	50	23.34	29.89	− .05	68.6	+ 2.3	87	14	81	50	24	57	31	50	28	33	0.83	− 1.8	10	4,545	se.	29	s.	10	22	7	2	2.9	
Flagstaff	6,907	12	25	23.41	30.00	.....	61.2	.....	87	1	78	35	24	45	44	....	....	....	1.70	.....	6	.....	sw.	....	.....	...	10	12	9	....	
Phenix	1,108	47	57	28.67	29.79	.00	86.2	− 2.0	107	1	101	64	12	71	40	61	40	26	0.01	− 1.0	1	3,575	nw.	26	s.	2	22	6	3	2.4	
Yuma	141	16	50	29.59	29.73	− .02	85.2	− 5.5	106	27	101	63	23	70	42	66	54	41	T.	− 0.4	0	4,066	w.	30	s.	3	28	2	1	1.0	
Independence	3,910	51	58	25.89	29.73	− .04	72.4	− 5.2	96	2	86	52	21	59	32	51	24	18	T.	− 0.2	0	5,910	se.	39	w.	2	26	5	0	1.0	
Middle Plateau.							63.9	− 2.9										27	0.26	− 0.3										2.8	
Carson City	4,720	82	92	25.24	29.90	+ .06	63.0	− 4.0	88	2	79	40	10	47	40	48	33	37	0.11	0.0	2	4,968	w.	38	w.	20	20	10	1	2.6	
Winnemucca	4,344	59	70	25.61	29.87	+ .03	64.8	− 5.8	93	1	81	38	23	49	43	48	26	27	T.	− 0.1	0	6,329	w.	35	sw.	10	19	8	4	3.4	
Cedar City	5,850	36	47	24.26	29.86	.....	69.8	.....	91	2	80	50	23	60	28	50	26	22	0.61	.....	4	5,838	se.	34	se.	19	22	6	3	2.3	
Salt Lake City	4,366	105	110	25.55	29.81	− .05	74.0	− 0.6	94	1	86	52	25	62	35	53	30	24	0.72	0.0	3	4,760	se.	36	n.	24	23	8	0	2.0	
Grand Junction	4,608	43	50	25.34	29.83	.....	73.8	− 1.3	100	1	89	48	23	58	43	52	32	27	0.19	− 1.0	5	4,141	nw.	27	se.	3	16	9	6	3.9	
Northern Plateau.							65.6	− 4.7										46	0.54	+ 0.3										4.5	
Baker City	3,471	53	58	26.41	29.93	− .01	60.6	− 5.5	90	1	73	40	17	49	35	49	37	49	0.92	+ 0.7	11	3,500	s.	22	ne.	20	8	11	12	5.6	
Boise	2,739	61	68	27.09	29.87	− .01	67.0	− 5.2	95	1	82	44	9	52	40	52	37	40	0.15	− 0.1	3	3,219	nw.	25	sw.	14	15	13	3	3.8	
Pocatello	4,482	48	56	25.42	29.82	− .08	67.7	− 1.9	93	1	82	46	12	53	41	52	38	39	0.32	− 0.1	5	7,561	s.	36	sw.	15	13	15	3	4.2	
Spokane	1,943	99	107	27.90	29.91	.00	64.0	− 5.0	88	20	76	42	26	52	34	52	40	49	0.64	+ 0.3	8	5,088	sw.	27	w.	25	6	15	10	5.6	
Walla Walla	1,000	65	73	28.88	29.92	.00	68.5	− 5.7	91	20	80	47	27	57	36	57	49	54	0.65	+ 0.5	7	4,742	s.	25	sw.	25	18	12	1	3.3	
N. Pac. Coast Reg.							60.4	− 1.7										75	1.17	+ 0.3										5.3	
Neah Bay	50	7	24	29.97	30.03	.00	56.8	− 2.1	65	19	62	45	26	51	18	54	53	90	2.35	+ 0.1	8	4,812	w.	35	w.	24	7	15	9	5.7	
Port Crescent	259	15	20	.....	.....	.....	55.2	− 1.5	78	19	63	40	26	47	35	....	....	....	0.74	0.0	8	3,535	w.	20	w.	25	8	17	6	5.4	
Seattle	123	114	121	29.90	30.03	.00	62.6	− 0.6	88	14	71	49	28	55	28	56	52	72	0.30	− 0.3	4	3,648	se.	27	s.	24	4	19	8	5.8	
Tacoma	213	113	120	.....	.....	.....	61.2	− 0.4	79	14	70	47	26	53	26	....	....	...	0.84	+ 0.1	5	3,862	sw.	22	sw.	23	6	17	8	5.8	
Astoria	20	57	64	30.06	30.08	+ .04	60.2	− 2.0	60	19	66	49	3	54	19	57	....	....	1.87	+ 0.8	9	4,770	nw.	18	sw.	1	9	12	10	5.6	
Portland, Oreg	154	203	213	29.87	30.03	+ .01	63.1	− 2.8	81	19	72	45	26	54	33	57	53	72	2.04	+ 1.5	7	4,963	nw.	30	s.	24	11	10	10	4.9	
Roseburg	518	56	67	29.44	30.00	− .01	63.4	− 2.8	84	14	76	45	8	51	34	55	48	65	0.03	− 0.2	1	2,966	nw.	22	ne.	3	15	9	7	3.9	
Mid. Pac. C'st Reg.							63.9	− 0.9										63	0.02	0.0										3.3	
Eureka	62	60	69	29.96	30.02	+ .01	57.0	+ 0.5	66	27	61	47	5	53	18	54	52	85	0.07	0.0	1	4,342	nw.	33	nw.	4	12	14	5	4.7	
Mount Tamalpais	2,375	11	18	27.50	29.94	.....	64.0	.....	92	2	72	45	18	56	24	52	42	52	0.00	.....	0	13,568	w.	58	nw.	29	23	5	3	2.0	
Red Bluff	332	50	56	29.51	29.85	+ .01	77.0	− 4.1	104	1	90	56	19	64	38	59	44	38	0.05	0.0	1	4,050	se.	24	n.	3	29	2	0	1.0	
Sacramento	69	106	117	29.79	29.86	+ .01	70.2	− 2.5	102	2	85	51	8	56	43	58	51	57	0.00	0.0	0	6,899	sw.	24	sw.	7	25	4	2	2.3	
San Francisco	155	161	167	29.79	29.95	+ .03	59.7	+ 1.0	82	1	66	50	8	54	26	55	52	83	T.	0.0	0	9,746	sw.	38	sw.	7	18	10	3	3.4	
Point Reyes Light	.....	12	16	.....	.....	.....	55.6	+ 0.7	71	21	61	47	5	50	18	....	....	....	0.00	− 0.2	0	8,364	nw.	60	nw.	6	9	7	15	6.3	
S. Pac. Coast Reg.							68.7	− 2.8										67	T.	0.0										3.2	
Fresno	330	67	70	29.50	29.84	+ .02	75.2	− 6.5	108	2	91	53	20	59	40	58	44	40	0.00	0.0	0	4,066	nw.	13	n.	13	29	2	0	1.0	
Los Angeles	338	74	82	29.57	29.92	+ .04	68.5	− 1.9	93	2	78	51	20	59	27	61	58	76	T.	0.0	0	3,507	sw.	15	w.	20	8	22	1	3.6	
San Diego	87	94	102	29.82	29.92	+ .03	66.2	− 2.7	80	1	70	59	23	62	18	61	58	79	T.	− 0.1	0	4,447	sw.	25	sw.	3	28	1	2	3.0	
San Luis Obispo	201	10	46	29.76	29.98	+ .08	64.9	+ 0.1	106	2	75	49	9	54	43	57	53	72	T.	0.0	0	3,904	w.	20	s.	19	8	15	8	5.1	
West Indies.																															
Basseterre	29	41	54	29.97	30.00	.....	81.2	.....	87	25	86	67	31	76	17	76	74	78	3.41	.....	20	8,219	e.	36	se.	31	7	19	5	5.2	
Bridgetown	30	57	65	29.93	29.96	.....	81.4	.....	90	31	87	74	4	76	15	77	75	82	6.57	+ 0.1	21	4,952	e.	24	e.	22	5	13	13	6.2	
Cienfuegos	52	62	67	29.94	29.99	.....	82.5	.....	95	28	92	70	13	73	22	76	74	83	3.67	.....	16	5,035	ne.	24	se.	11	11	20	0	4.1	
Havana	57	83	100	29.97	30.03	.....	81.0	.....	90	23	87	71	13	75	18	76	74	83	1.72	− 4.3	10	8,208	ne.	32	ne.	18	7	20	4	5.2	
Kingston	286	38	52	29.65	29.95	.....	81.0	.....	95	24	90	71	22	72	23	74	71	77	2.92	.....	11	4,251	ne.	26	se.	2	8	22	1	4.5	
Port of Spain	40	65	66	29.90	29.94	.....	80.2	.....	91	12	88	69	31	73	21	75	73	83	11.24	.....	22	2,560	e.	21	e.	4	1	22	8	6.6	
Puerto Principe	352	55	62	29.65	29.99	.....	82.0	.....	94	24	92	69	6	72	23	75	73	84	0.91	.....	6	6,446	ne.	25	e.	25	10	18	3	4.8	
Roseau	25	37	47	29.94	29.96	.....	81.5	.....	91	26	88	73	7	75	18	74	72	77	5.63	....	21	3,497	ne.	24	se.	17	8	11	12	6.0	
San Juan	82	48	73	29.93	30.01	.....	80.8	.....	90	29	86	70	9	76	16	76	74	80	7.00	+ 1.1	18	9,561	e.	43	ne.	31	14	11	6	4.4	
Santiago de Cuba	82	26	33	29.88	29.96	.....	83.0	.....	95	13	92	72	22	74	21	74	72	76	5.89	.....	13	2,802	ne.	18	ne.	11	1	26	4	6.2	
Santo Domingo	57	37	44	29.96	30.02	.....	80.5	.....	93	31	88	71	20	73	20	75	73	85	6.77	.....	21	4,075	n.	21	se.	19	11	18	2	4.1	
Turks Island	11	6	20	.....	.....	.....	82.9	.....	91	3	90	70	7	76	18	....	....	....	3.85	.....	14	.....	se.	....	.....	...	7	14	10	6.0	
Willemstad	75	39	46	29.83	29.99	.....	83.3	.....	90	29	88	75	7	79	13	76	74	76	0.40	.....	7	10,040	e.	28	e.	20	13	18	0	3.7	

NOTE.—The data at stations having no departures are not used in computing the district averages. Letters of the alphabet denote number of days missing from the record. *Two or more dates.

TABLE II.—*Climatological record of voluntary and other cooperating observers, August,* 1900.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Alabama.					
Ashville	97	63	79.6	1.44	
Bermuda	99	64	81.9	2.63	
Birmingham	100	69	82.5	1.99	
Brewton	104	66	83.7	3.91	
Citronelle	97	68	81.2	9.85	
Daphne	97	69	81.3	5.41	
Decatur	100	65	82.2	2.95	
Demopolis	.....	.....	.....	4.06	
Elba	98	64	83.2	2.99	
Eufaula *a*	103	64	83.5	1.37	
Eutaw	101	70	83.4	1.95	
Evergreen	96[d]	70[d]	82.4[d]	1.60	
Florence *a*	.....	.....	.....	1.44	
Florence *b*	96	64	81.4	1.63	
Fort Deposit	99	68	82.4	4.55	
Gadsden	103	63	82.0	2.91	
Goodwater	105	63	81.9	4.79	
Greensboro	97	70	81.6	3.61	
Hamilton	96	63	80.1	3.35	
Healing Springs	96	65	80.4	3.91	
Highland Home	96	67	82.3	6.32	
Livingston *a*	97	67	82.0	1.41	
Lock No. 4	98	66	80.7	2.51	
Madison Station	99	65	81.2	1.82	
Maplegrove	103	63	81.0	2.39	
Marion	100	69	83.4	3.05	
Newbern	97	70	82.4	4.19	
Newton	96	62	79.2	2.62	
Oneonta	95	63	78.2	7.13	
Opelika	99	67	80.6	4.05	
Oxanna	96	65	80.2	1.56	
Pineapple	100	62	81.6	0.50	
Prattville	96[j]	65[j]	82.1[j]	.....	
Pushmataha	98	67	82.4	1.71	
Riverton	97	62	80.7	2.12	
Scottsboro	97	65	79.5	2.08	
Selma	101	67	82.0	2.74	
Talladega	103	64	82.1	2.91	
Tallassee	.....	.....	.....	4.06	
Thomasville	98	65	81.6	2.70	
Tuscaloosa	100	67	82.8	0.80	
Tuscumbia	99	66	83.4	1.44	
Tuskegee	104	66	83.0	4.72	
Union Springs	101	66	83.1	3.20	
Uniontown	99	67	82.6	2.69	
Valleyhead	99	62	78.8	4.29	
Warrior	.....	.....	.....	1.82	
Wetumpka	98	67	82.3	5.52	
Alaska.					
Sitka	67	40	55.2	7.92	
Arizona.					
Allaire Ranch	.....	.....	.....	0.72	
Arizona Canal Co. Dam	106	60	84.0	1.08	
Aztec *[5]	114	75	95.4	0.00	
Benson *[1]	97	70	83.8	1.64	
Bisbee	96	57	76.4	1.38	
Bowie *[5]	100	69	86.3	2.27	
Buckeye	107	56	82.4	0.50	
Camp Creek	101	63	80.8	0.23	
Casagrande *[1]	106	71	88.7	0.50	
Cochise *[1]	105	64	84.0	0.00	
Congress	103	65	82.7	0.19	
Dragoon Summit *[1]	98	65	79.5	0.30	
Dudleyville	105	51	80.1	1.92	
Fort Apache	95	46	70.4	1.31	
Fort Defiance	92	39	66.0	0.62	
Fort Grant	98	56	75.4	2.24	
Fort Huachuca	96	56	76.6	1.66	
Fort Mohave [1]	116	59	85.2	0.00	
Gilabend *[1]	109	74	89.2	0.00	
Maricopa *[1]	110	83	93.8	T.	
Mesa	108	60	84.0	0.14	
Mohawk Summit *[1]	115	75	91.0	0.00	
Mount Huachuca	96	57	75.2	3.99	
Natural Bridge	.....	.....	.....	0.87	
Nogales	100	55	78.0	2.15	
Oracle	94	59	77.4	3.27	
Oro	.....	.....	.....	1.49	
Pantano *[1]	96	65	79.7	2.06	
Parker	119	53[b]	86.7[d]	0.00	
Peoria	110	60	86.2	0.35	
Phenix	108	58	84.5	0.03	
Pinal Ranch	.....	.....	.....	2.63	
Prescott	98	42	67.4	1.70	
Sentinel *[1]	111	75	92.1	0.00	
Signal	114	50	82.5	T.	
Silverking	.....	.....	.....	1.40	
Strawberry	94	30	65.2	1.28	
Supai	115[b]	62[b]	84.2[b]	0.47	
Tombstone	97	59	78.4	1.98	
Tonto	102[e]	56	77.8[e]	1.55	
Tuba	102	54	75.6	0.50	
Tucson	105	57	82.7	0.95	
Vail *[5]	104	68	86.0	0.04	
Willcox	.....	.....	.....	1.57	
Winslow	99	50	72.0	1.73	
Arizona—Cont'd.					
Yarnell	.....	.....	.....	1.65	
Arkansas.					
Amity	100	62	80.6	8.08	
Arkadelphia	99	64	81.4	1.79	
Arkansas City	.....	.....	.....	0.06	
Batesville	103	63	82.6	3.65	
Beebranch	102	61	79.8	3.30	
Blanchard Springs	98	64	80.6	2.09	
Brinkley	98	62	81.2	3.50	
Camden *a*	.....	.....	.....	2.13	
Camden *b*	97	64	80.9	2.13	
Canton	102	61	80.0	6.40	
Conway	102	63	82.2	4.70	
Corning	102	65	81.0	2.42	
Dallas	98	63	81.2	2.16	
Dardanelle	.....	.....	.....	3.09	
Elon	97[f]	62[f]	81.2[f]	1.94	
Fayetteville	99	58	79.4	4.14	
Forrest City	99	64	81.8	1.11	
Fulton	.....	.....	.....	4.92	
Hardy	100	62	80.7	6.15	
Helena *a*	.....	.....	.....	3.68	
Helena *b*	97	63	82.0	3.11	
Hot Springs *b*	.....	.....	.....	3.75	
Ione	100	60	81.6	1.97	
Jonesboro	108	65	85.4	3.80	
Keesees Ferry	103	61	80.5	4.06	
Lacrosse	100	62	80.7	3.09	
Lonoke	103	63	81.6	2.99	
Lutherville	98	62	79.0	4.69	
Malvern	98	64	78.8	2.65	
Marianna	100	63	81.8	2.25	
Marvell	99	65	82.4	3.86	
Mossville	95	66	80.6	4.82	
Mount Nebo	93	67	77.8	3.14	
New Gascony	98	65	81.6	0.62	
Newport *a*	.....	.....	.....	3.60	
Newport *b*	103	62	81.8	4.33	
Newport *c*	103	59	81.4	3.97	
Oregon	99	61	78.8	4.35	
Ozark[c]	104	65	84.4	4.61	
Pinebluff	102	65	82.3	2.07	
Pocahontas	99	62	80.2	2.46	
Pond	97	57	78.6	2.81	
Prescott	102	65	82.8	0.59	
Rison	99	66	82.4	1.57	
Rosedale	100	62	81.8	2.74	
Russellville	100	65	81.8	5.35	
Silversprings	101	61	79.3	5.17	
Spielerville	102	62	82.2	4.89	
Stamps	99	65	83.4	0.96	
Stuttgart	102	63	81.0	0.88	
Texarkana	99	63	83.0	3.40	
Warren	100	63	80.9	1.88	
Washington	95	64	80.2	4.59	
Wiggs	99	62	80.1	5.66	
Witts Springs	99	59	79.2	4.32	
California.					
Ballast Point L. H.	.....	.....	.....	0.00	
Berkeley	87	52	62.6	0.02	
Bishop	96	48	71.0	0.00	
Boca *[1]	90	30	52.4	1.22	
Bodie	82	17	51.2	0.05	
Bowman	.....	.....	.....	0.00	
Campbell	99	41	65.8	0.00	
Cape Mendocino L. H.	.....	.....	.....	0.00	
Cedarville	89	38	63.2	0.10	
Chico *[1]	108	62	79.2	0.00	
Cisco *[1]	80	40	53.5	0.00	
Claremont	105	38	65.3	0.00	
Corning *[1]	103	67	78.1	0.00	
Craftonville	107	45	69.4	0.00	
Crescent City	71	40	56.8	0.29	
Crescent City L. H.	.....	.....	.....	0.19	
Cuyamaca *[5]	83	43	66.3	T.	
Delano *[1]	107	65	78.4	0.00	
Delta *[1]	100	55	72.4	0.20	
Drytown	108	48	73.1	0.00	
Dunnigan *[1]	105	55	73.1	0.00	
Durham *[1]	104	56	75.3	0.00	
East Brother L. H.	.....	.....	.....	0.00	
Edmanton *[1]	90	43	60.4	0.05	
Elcajon	100	46	69.4	0.00	
Elsinore	112	47	72.8	T.	
Escondido	105	40	67.6	0.00	
Fallbrook	106	48	69.7	0.00	
Fort Ross	80	45	59.3	0.00	
Georgetown	99	47	69.2	0.00	
Gilroy (near)	107	44	66.8	0.00	
Goshen *[5]	107	60	78.2	0.00	
Grand Island *[5]	103	52	75.0	0.00	
Greenville	94	30	60.5	0.00	
Healdsburg	104	38	66.8	0.00	
Hollister	105	41	64.1	0.00	
Humboldt L. H.	.....	.....	.....	0.11	
Indio *[1]	109	68	89.4	0.00	
California—Cont'd.					
Iowa Hill *[1]	92	54	68.0	0.00	
Irvine	102	64	79.2	0.00	
Jackson (near)	96	48	68.0	0.00	
Kennedy Gold Mine	98	48	67.6	0.00	
King City *[1]	112	52	62.2	0.00	
Kingsburg	110	64	84.1	0.00	
Kono Tayee *c*	92	55	71.6	0.00	
Laporte *[1]	85	44	56.0	T.	
Lemoncove	110	50	76.2	0.00	
Lemoore *a*	106	58	77.7	0.00	
Lick Observatory	86	44	62.1	0.02	
Lime Point L. H.	.....	.....	.....	0.00	
Lodi	103	49	70.6	0.00	
Los Gatos *b*	102	44	66.5	0.00	
Mammoth *[1]	111	82	93.0	0.00	
Manzana	103	48	74.7	0.08	
Mare Island L. H.	.....	.....	.....	0.00	
Milton (near) *[1]	102	52	73.6	0.00	
Modesto *[1]	104	58	74.7	0.00	
Mohave *[1]	103	55	77.1	0.00	
Mokelumne Hill *[3]	.....	50	66.6	T.	
Monterio	100	48	69.8	0.00	
Monterey *[5]	84	56	63.7	0.00	
Morena	97	44	66.4	0.06	
Napa *b*	110	45	65.8	0.00	
Needles	110	68	88.8	0.00	
Nevada City	89	43	62.7	0.00	
Niles *[1]	104	60	69.5	0.00	
North Bloomfield	92	46	65.5	0.00	
North Ontario	99	51	67.4	0.00	
North San Juan *[1]	99	60	72.3	0.00	
Oakland *a*	90	52	64.8	T.	
Ogilby *[5]	111	79	94.5	0.00	
Oleta *[1]	97	48	66.5	0.00	
Orland *[1]	106	62	78.3	0.07	
Palermo	108	48	73.2	0.00	
Paso Robles *b*	110	42	67.2	T.	
Peachland *[5]	98	49	65.8	T.	
Piedras Blancas L. H.	.....	.....	.....	0.14	
Pine Crest	97	52	65.8	0.00	
Placerville	102	40	65.0	0.00	
Point Ano Nuevo L. H.	.....	.....	.....	0.00	
Point Arena L. H.	.....	.....	.....	0.00	
Point Bonita L. H.	.....	.....	.....	0.00	
Point Conception L. H.	.....	.....	.....	0.00	
Point Firmin L. H.	.....	.....	.....	0.00	
Point George L. H.	.....	.....	.....	0.22	
Point Hueneme L. H.	.....	.....	.....	0.02	
Point Lobos	71	49	58.2	0.06	
Point Loma L. H.	.....	.....	.....	0.00	
Point Montara L. H.	.....	.....	.....	0.00	
Point Pinos L. H.	.....	.....	.....	0.00	
Point Sur L. H.	.....	.....	.....	0.00	
Pomona (near)	107	46	70.6	0.00	
Poway *[3g]	98	59	63.9	0.00	
Quincy	90	34	61.0	T.	
Redding	101	52	76.4	0.16	
Redlands	107	48	71.6	0.00	
Represa	98	52	71.4	0.00	
Riovista	103	53	71.2	0.00	
Riverside	107	48	71.4	0.00	
Roe Island L. H.	.....	.....	.....	0.00	
Rosewood	107	52	78.9	0.08	
Sacramento *a*	102	50	70.2	0.00	
Salton *[5]	115	68	92.9	0.00	
San Bernardino	110	43	71.1	0.00	
San Jacinto	109	45	72.7	0.00	
San Jose	95	55	70.0	0.00	
San Leandro *[1]	92	60	65.6	0.00	
San Luis L. H.	.....	.....	.....	0.00	
San Mateo *[1]	95	60	67.7	0.00	
San Miguel *[1]	106	51	69.2	0.00	
Santa Barbara *a*	87	52	65.0	T.	
Santa Barbara L. H.	.....	.....	.....	0.00	
Santa Clara *a*	.....	.....	.....	0.00	
Santa Cruz *b*	108	43	62.8	T.	
Santa Cruz L. H.	.....	.....	.....	0.00	
Santa Maria	91	50	65.0	T.	
Santa Monica	77	58	68.6	0.00	
Santa Paula	92	52	68.1	T.	
Santa Rosa *[1]	101	45	67.6	0.00	
Shasta	102	53	77.7	0.21	
Sierra Madre	99	51	68.6	0.00	
Sonoma	.....	.....	.....	0.00	
S. E. Farallone L. H.	.....	.....	.....	0.00	
Stanford University	99	46	65.4	0.00	
Stockton	100	55	72.8	0.00	
Summerdale	89	39	61.1	T.	
Susanville	87	41	62.6	0.02	
Tehama *[1]	104	68	81.1	0.00	
Tejon Ranch	103	54	76.0	0.00	
Templeton *[1]	110	60	72.7	0.00	
Thermalito	107	53	74.9	0.00	
Trinidad L. H.	.....	.....	.....	0.12	
Truckee *[1]	94	44	58.2	0.00	
Tulare	110	50	76.5	T.	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
California—Cont'd.	°	°	°	*Ins.*	*Ins.*
Ukiah	102	41	68.6	0.00	
Upperlake	99	44	69.2	0.00	
Upper Mattole *[1]	87	42	59.9	0.00	
Vacaville *[1]	105	57	71.0	0.00	
Ventura	83	53	65.2	0.00	
Volcano Springs *[1]	120	77	92.4	0.00	
Walnutcreek	104	55	71.7	0.00	
Wheatland	103	50	71.5	0.00	
Williams *[1]	102	58	78.6	0.00	
Wilmington *[1]	88	63	71.7	0.00	
Wire Bridge *[6]	101	55	73.9	0.00	
Yerba Buena L. H.				0.00	
Yreka	91	41	65.2	1.35	
Colorado.					
Alford	96	31	68.1	0.87	
Arkins				0.57	
Boulder	93	51	72.2	0.22	
Boxelder				0.55	
Breckenridge	77	27	51.8	0.74	
Buenavista				T.	
Canyon	94	42	71.8	0.07	
Castlerock	90	35	65.9	0.24	
Cedaredge	94	38	67.3	0.42	
Cheyenne Wells	100	45	75.2	0.30	
Clearview	78	33	56.4	0.61	
Collbran				0.17	
Colorado Springs	90	45	67.6	0.74	
Cope	98	46	75.0	2.44	
Cripplecreek	83	48	66.0	0.01	
Crook	100	45	76.0	4.59	
Delta	109	38	71.8	0.64	
Dumont				0.75	
Durango	95	31	62.8	0.48	
Fairview	88	31	60.6	0.49	
Fort Collins	94	41	68.0	0.16	
Fort Morgan	95	44	72.2	1.07	
Fox				1.25	
Gilman				1.35	
Gleneyrie	85	46	67.8	0.49	
Greeley	98	42	70.6	T.	
Grover				T.	
Gunnison	87	28	57.2	0.20	
Hamps	89	40	67.4	0.91	
Hoehne	95	39	70.0	1.04	
Holly	103	50	79.0	0.12	
Holyoke (near)	101	45	76.4	1.76	
Hugo				0.75	
Lamar	104	48	77.6	0.32	
Laporte				1.20	
Las Animas	99	42	74.8	0.30	
Leadville *[1]	78	36	53.9	0.36	
Leroy	97	45	73.9	0.99	
Longs Peak	79	33	56.2	0.17	
Mancos	93	33	63.8	0.03	
Marshall Pass				0.61	
Meeker	99	34	62.5	0.91	
Minneapolis	106	48	77.8	1.87	
Mitchell				0.34	
Montrose				0.50	
Moraine	88	38	61.0	0.23	
Pagoda	99	34	64.4	0.49	
Palmer				T.	
Parachute	101	44	72.1	0.34	
Rangely	106	37	66.5	0.50	
Rockyford	96	44	73.8	1.05	
Rogers Mesa	106	42	72.3	0.22	
Ruby				1.60	
Saguache	94	35	63.3	0.54	
Salida	93	31	64.6	T.	
San Luis	87	32	60.5	0.50	
Santa Clara	89	38	64.4	1.08	
Sapinero				0.41	
Sargents				0.38	
Seibert				0.78	
Silt	98	41	69.6	0.25	
Springfield				T.	
Strickler Tunnel				1.00	T.
Sugarloaf	88	30	60.8	1.12	
Trinidad	98	45	75.6	2.13	
Troutvale	82	21	52.1	0.56	
T. S. Ranch	95	46	71.0	0.12	
Twinlakes				0.80	
Vilas				0.07	
Wagon Wheel	84	20	52.2	0.38	
Walden	94	32	60.0	0.48	
Wallet				0.35	
Westcliffe	85	32	62.0	0.44	
Wray	97	46	75.0	2.60	
Yuma				2.22	
Connecticut.					
Bridgeport	101	50	74.2	2.60	
Canton	94	45	70.2	2.55	
Colchester	96[c]	47	72.2[c]	0.86	
Falls Village				1.87	
Hartford *b*	93	53	72.4	2.39	
Hawleyville	96	46	72.2	2.62	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Connecticut—Cont'd.	°	°	°	*Ins.*	*Ins.*
Lake Konomoc				2.47	
Middletown	98	45	73.0	1.89	
New London	93	57	73.9	0.89	
North Grosvenor Dale	96	45	70.8	1.57	
Norwalk	99	47	73.6	2.25	
Southington	94	49	71.5	1.90	
Storrs	92	47	69.9	2.03	
Voluntown	98[c]	44[c]	71.6[c]	2.00	
Wallingford				1.48	
Waterbury	101	46	74.9	2.09	
West Cornwall	94	45	70.6	2.18	
West Simsbury				2.67	
Winsted *[1]	95	52	68.7		
Delaware.					
Milford				0.75	
Millsboro	104	52	79.0	2.91	
Newark	98	55	76.7	4.26	
Seaford	102	56	80.4	3.63	
Wyoming				2.40	
District of Columbia.					
Distributing Reservoir *[5]	97	66	79.6	2.26	
Receiving Reservoir *[5]	95	63	79.3	2.48	
West Washington	102	58	80.0	2.25	
Florida.					
Archer	99	68	82.6	3.41	
Bartow	98	68	81.9	4.76	
Brooksville	94	69	81.1	6.98	
Carrabelle	96	70	82.5	5.00	
Clermont	100	65	82.7	4.63	
Dalkeith	98	70	82.2	28.0	
De Funiak Springs	102	68	83.0	0.87	
Deland	100	71	83.8		
Earnestville	101	71	84.2	8.66	
Eustis	100	68	84.6	4.43	
Fort Meade	98	68	81.7	16.05	
Gainesville	99	70	84.0	2.33	
Huntington	97	68	81.4	5.35	
Hypoluxo	98	71	82.0	1.03	
Inverness	99	69	82.0	4.17	
Jasper	99	67	82.4	1.38	
Kissimmee	101	69	82.9	3.23	
Lake Butler	100	65	82.2	3.47	
Lake City	103	66	83.3	2.35	
Macclenny	104	66	83.7	1.75	
Manatee	92	68	80.0	15.45	
Marianna	99	67	81.8	1.11	
Merritt Island	97	74	83.8	0.28	
Micanopy				1.84	
Middleburg	101			1.92	
Myers	92	70	80.2	9.77	
New Smyrna	100	67	80.2	2.10	
Ocala	100	65	82.6	8.40	
Orange City	100			2.78	
Orlando	99	72	82.4	7.41	
Plant City	98	69	82.5	6.60	
St. Andrews	101	69	83.0	3.50	
St. Augustine	101	73	82.6		
St. Francis	99	64	79.8	3.66	
Sebastian	94	72	82.1	0.57	
Stephensville *[1]	98	70	83.0	4.20	
Sumner	99	65	82.0	3.15	
Switzerland *[1]	97[c]	70[1]	80.6[c]	2.18	
Tallahassee	94	68	80.8	3.89	
Tarpon Springs	91	68	79.6	7.59	
Wausau	101	65	82.8	3.36	
Georgia.					
Adairsville	94[c]	67[c]	80.0[c]	1.08	
Albany	102	68	84.6	4.12	
Allapaha	99	64	82.4	2.34	
Allentown	103	64	84.6	3.11	
Americus	100	67	82.9	2.86	
Athens *b*	99	67	82.0	1.27	
Bainbridge	100	67	82.5	1.04	
Bellville	105	62	84.3	1.80	
Blakely	101	65	81.1	6.52	
Camak	101	66	84.0	2.45	
Canton				2.03	
Clayton	94	61	77.7	3.27	
Columbus	97[d]	71[d]	83.8[d]	1.64	
Covington	103	64	81.4	5.16	
Dahlonega	96	56	75.4	2.77	
Diamond	94	60	76.3	1.00	
Dublin				1.04	
Eastman	104	66	84.8	0.57	
Elberton	99	66	82.5	0.85	
Experiment	98	66	80.6	4.45	
Fitzgerald	103	62	83.4	1.07	
Fleming	106	60	83.2	1.51	
Fort Gaines	99	68	82.8	5.02	
Franklin	97[c]	61[c]	80.9[c]	1.01	
Gainesville	93	64	78.6	1.34	
Gillsville	100	62	81.0	1.36	
Greenbush	100	63	79.2	4.07	
Griffin	98	68	82.2	3.95	
Harrison	101	66	82.8	2.88	
Hawkinsville	100	70	82.8	1.97	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Georgia—Cont'd.	°	°	°	*Ins.*	*Ins.*
Hephzibah				1.20	
Jesup	99	66	82.6	7.37	
Lost Mountain	99	67	81.6	0.66	
Lumpkin	100	70	83.5	2.98	
Marshallville	98[d]	71[d]	82.9[1]	8.30	
Mauzy	102	63	83.2	4.68	
Millen	105	65	84.2	3.05	
Morgan	99	65	83.0	2.37	
Naylor	103	63	83.4	1.26	
Newnan	99	67	82.0	0.78	
Point Peter	107	65	83.4	0.73	
Poulan	100	62	81.4	2.12	
Putnam	101	65	82.0	2.17	
Quitman	100	62	81.9	2.70	
Ramsey	97	61	79.0	1.73	
Resaca				1.47	
Rome	99	66	81.4	2.39	
Statesboro	106	64	84.8	2.70	
Talbotton	102	63	82.5	1.28	
Tallapoosa	95	61	78.0	2.88	
Thomasville	101	67	83.4	3.46	
Toccoa	100	70	84.3	0.70	
Union Point	97	67	85.6	1.90	
Valona	105	68	83.5	1.89	
Washington	99	68	83.2	1.35	
Waycross	107	65	85.3	1.70	
Waynesboro	102	63	81.6	1.69	
Westpoint	99	68	82.6	3.77	
White Oak				1.15	
Idaho.					
American Falls	96	39	66.4	0.23	
Atlanta	87	31	57.4	0.37	
Blackfoot	99	40	65.8	0.60	
Burnside	91	35	62.8	0.15	
Challis	82	38	59.2	0.59	
Chesterfield	87	25	56.5	0.07	
Downey	92	37	62.6	0.01	
Forney	97	27	57.6	0.44	
Garnet				0.30	
Hagerman	105	45	75.2	0.10	
Hailey	99	36	65.0	0.06	
Idaho City	91[1]	32[1]	61.1[1]	T.	
Kootenai	90	39	58.4	2.26	
Lake	88	32	57.8	0.45	
Lakeview	88	40	61.4	0.91	
Moscow	93	47	64.2	0.78	
Murray	89	36	58.2	3.22	
Oakley	95	38	64.9	0.00	
Ola	98	37	67.7	0.38	
Paris	97	36	62.2	0.06	
Payette	102	40	68.2	0.16	
Pollock	99	40	64.9	1.07	
Priest River	87	35	59.8	1.50	
St Maries	90	37	63.1	1.53	
Salubria	97	36	65.6	0.33	
Soldier	93	30	61.8	0.10	
Swan Valley	96	29	61.2	0.69	
Weston	93	40	65.9	0.37	
Illinois.					
Albion	100	61	81.6	1.36	
Alexander	97	62	80.0	3.69	
Ashton	96	57	76.0	9.34	
Astoria	97	61	79.5	3.89	
Aurora *b*	99	60	77.6	3.28	
Bushnell	101	64	82.6	4.04	
Cambridge	98	63	78.7	8.19	
Carlinville	101	63	80.8	1.42	
Carlyle				1.25	
Centralia	103	60	81.4	0.40	
Charleston	94	66	79.4	4.73	
Chemung	97	53	74.7	6.96	
Chester				1.91	
Cisne	99	63	80.7	1.75	
Coatsburg	101	63	82.4	3.29	
Cobden	105	62	82.5	0.51	
Danville	94	55	77.2	4.77	
Decatur	97	62	79.8	4.71	
Dixon	99	60	78.1	6.18	
Dwight	96	61	78.8	5.03	
Effingham	97	60	80.0	1.58	
Elgin	95	58	76.2	5.75	
Equality	108	61	84.0	1.15	
Flora	98	62	80.4	1.28	
Friendgrove *[5]	101	72	85.2	1.03	
Galva	98	60	78.6	8.21	
Glenwood *[5]	98[d]	62[d]	79.0[d]	4.01	
Grafton				2.46	
Grayville[c]	99	70	83.2	1.15	
Greenville	102	64	82.2	0.51	
Griggsville	102	61	82.6	1.81	
Halfway	103*	63	82.7	0.68	
Halliday	102	63	82.2	3.00	
Havana	100	58	82.6	9.02	
Henry	98	60	78.8	6.79	
Hillsboro	102	65	82.6	0.42	
Joliet	96	60	77.4	5.74	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins*
Illinois—Cont'd.					
Kishwaukee	97	55	76.0	5.35	
Knoxville	100	60	78.4	4.23	
Lagrange	95[f]	51[f]	75.1[f]	4.81	
Labarpe	100	62	80.5	2.85	
Lakevilla	97[c]	55[c]	74.6[c]	11.03	
Lanark	99	54	76.1	4.46	
Loami	.....	.....	.....	3.34	
McLeansboro	102	58	81.4	0.63	
Martinsville	95	64	79.6	3.37	
Martinton	97	59	78.2	5.10	
Mascoutah	100	63	81.5	1.47	
Mattoon	96	64	81.4	7.07	
Minonk	97	60	78.2	6.43	
Monmouth	100	58	79.0	4.23	
Monticello	98	62	79.0	5.37	
Morrisonville	99	61	80.2	1.95	
Mount Carmel	.....	.....	.....	1.09	
Mount Pulaski	100	64	80.9	6.88	
Mount Vernon	103	61	80.6	1.81	
New Burnside	103	63	83.0	0.77	
Olney	100	65	82.3	1.36	
Ottawa	100	61	80.2	7.24	
Palestine	97	57	79.2	2.00	
Pana	96	60	80.2	1.98	
Paris	97	60	79.6	4.75	
Peoria *a*	.....	.....	.....	5.28	
Peoria *b*	99	65	80.5	5.39	
Philo	97	61	78.1	6.88	
Plumhill	104	62	81.9	0.85	
Rantoul	99	63	78.6	5.91	
Raum	100	65	83.7	1.73	
Riley	97	57	75.8	7.09	
Robinson	98	63	80.8	1.88	
Rockford	97	58	78.0	9.22	
Roundgrove	96	59	76.4	5.03	
St. John	111	62	82.8	2.47	
Shobonier	101	62	80.8	2.93	
Strawn	98	61	79.2	5.94	
Streator	97	59	77.8	7.13	
Sullivan	98	63	80.1	3.17	
Sycamore	94	57	77.0	11.17	
Tilden	103	61	80.8	1.50	
Tiskilwa	99	60	78.6	7.76	
Tuscola	96	62	79.4	7.66	
Walnut	98	62	77.4	6.60	
Wheaton *[5]	96	63	79.2	3.53	
Winchester	100	64	82.2	1.52	
Winnebago	96	56	76.8	5.88	
Zion	94	58	77.1	2.59	
Indiana.					
Anderson	94	62	77.1	8.36	
Angola	92	58	75.4	3.86	
Auburn [d]	91	54	74.9	3.87	
Bedford	101	63	82.4	3.05	
Bloomington	96	63	80.2	1.64	
Bluffton	96	58	77.2	4.15	
Boonville	102	61	81.2	1.85	
Bright	93	61	78.2	2.69	
Butlerville	97	63	79.6	1.61	
Cambridge City	95	56	76.2	2.92	
Columbus	97	61	79.2	1.52	
Connersville	95	55	79.2	4.93	
Crawfordsville	102	54	78.4	4.40	
Delphi	96	60	78.1	4.43	
Edwardsville *[1]	94	68	80.7	3.59	
Fairmount	98	58	78.6	1.47	
Farmland	94	60	77.6	3.08	
Greencastle	92	64	78.4	2.75	
Greensburg	96	56	77.8	1.02	
Hammond	99	65	78.2	2.88	
Hector	97	59	77.2	4.16	
Huntington	95	60	78.9	4.19	
Jeffersonville	97	65	81.2	3.31	
Knightstown	96	60	78.9	5.13	
Kokomo	92	62	76.6	5.55	
Lafayette	96	60	78.6	4.21	
Laporte	100[g]	50	78.6[d]	5.51	
Logansport	94	61	77.5	3.22	
Madison *a*	99	62	80.4	3.16	
Madison *b*	.....	.....	.....	4.01	
Marengo	96	61	79.5	3.22	
Marion	97	60	78.5	2.63	
Markle	94	56	75.8	4.60	
Mauzy	94	58	77.3	3.21	
Northfield	94	55	76.8	2.41	
Paoli	99	62	80.8	3.96	
Peru	97	60	77.4	3.55	
Prairie Creek	101	62	81.8	2.90	
Princeton	100	60	80.4	1.75	
Rensselaer	98	60	79.4	2.50	
Richmond	93	57	76.2	2.35	
Rockville	94	60	79.2	2.26	
Salem	99	58	80.1	3.75	
Scottsburg	98	62	80.6	3.09	
Seymour	96	66	80.7	3.45	
Shelbyville	95	62	78.2	2.04	
Indiana—Cont'd.					
South Bend	93	56	76.4	6.43	
Syracuse	97	57	77.2	4.20	
Terre Haute	98	65	80.2	4.38	
Topeka	90	56	74.9	6.87	
Valparaiso	94	54	75.6	6.00	
Veedersburg	95	52	78.4	3.87	
Vevay	98	65	81.6	3.20	
Vincennes	100	66	83.2	1.43	
Washington	102	61	82.4	2.90	
Winamac	95	.....	.....	3.06	
Worthington	97	63	80.4	1.77	
Indian Territory.					
Bengal	103	55	82.8	1.26	
Claremore	106	63	82.4	1.46	
Fairland	102	60	80.5	1.75	
Hartshorne	104	59	85.0	2.13	
Healdton	103	61	82.2	1.11	
Lehigh	102	64	82.8	2.64	
Muscogee	105	.....	.....	1.60	
Pauls Valley	101	62	80.9	2.48	
Ryan	103	60	83.5	1.05	
South McAlester	.....	.....	.....	1.58	
Tahlequah	99	61	80.6	2.05	
Tulsa	.....	.....	.....	2.46	
Wagoner	107	60	83.4	2.22	
Webbers Falls	104	65	84.0	2.72	
Iowa.					
Afton	96	56	77.1	4.59	
Albia	95	58	77.8	4.24	
Algona *[1]	91	59	76.9	4.41	
Alta *a*	92	56	74.9	3.64	
Amana	93	60	77.5	5.35	
Ames *b*	94	58	76.8	5.46	
Ames (near)	.....	.....	.....	6.80	
Atlantic	94	54	77.0	4.81	
Audubon	98	49	76.2	6.51	
Bancroft	93	47	75.4	3.78	
Batavia	.....	.....	.....	2.40	
Baxter	95	59	77.9	5.06	
Bedford	99	53	78.5	3.78	
Belknap	95	61	79.1	4.54	
Belleplaine	95	62	77.0	6.96	
Bonaparte	100	62	80.8	3.61	
Britt	92	50	75.2	4.33	
Buckingham	.....	.....	.....	3.39	
Bussey	.....	.....	.....	7.92	
Carroll	93	58	76.7	9.01	
Carson	.....	.....	.....	4.28	
Cedar Rapids	97	62	79.4	4.46	
Chariton	94	58	78.1	4.85	
Charles City	96	54	76.8	2.65	
Clarinda	98	56	78.2	5.67	
Clearlake	95	52	77.3	3.75	
Clinton	97	58	77.6	5.32	
College Springs	96	56	77.7	8.07	
Coon Rapids	92	60	78.2	6.83	
Corning	93	53	77.6	3.14	
Council Bluffs	96	60	79.1	5.32	
Crawfordsville	.....	.....	.....	8.38	
Cresco	96	53	77.1	1.71	
Cumberland	.....	.....	.....	3.59	
Danville	.....	.....	.....	3.45	
Decorah	99	49	77.5	2.28	
Delaware	93	58	75.8	3.72	
Denison	93	57	76.4	7.32	
Desoto	95	59	78.0	9.30	
Dows	92	54	75.7	2.70	
Eldon	99	60	80.0	5.46	
Elkader	98	54	78.6	3.88	
Emerson	.....	.....	.....	3.11	
Estherville	92	51	75.4	3.34	
Fairfield	99	60	78.7	3.64	
Fayette	93	56	75.7	2.76	
Fonda [k]	93	66	79.4	5.10	
Forest City	92	54	75.3	4.46	
Fort Dodge	93	55	76.5	6.87	
Fort Madison	.....	.....	.....	3.82	
Galva	92	57	76.6	6.16	
Gilman	.....	.....	.....	4.85	
Glenwood	95	63	79.6	3.95	
Grand Meadow *[1]	90	60	74.7	2.23	
Greene	95	55	77.6	2.37	
Greenfield	94	56	76.7	3.37	
Grinnell (near)	95	62	77.0	7.55	
Grundy Center	92	58	77.2	3.85	
Guthrie Center	100	53	78.2	6.52	
Hamburg	.....	.....	.....	6.19	
Hampton	95	58	78.0	2.68	
Harlan	94	56	75.6	7.99	
Hawkeye	.....	.....	.....	2.92	
Hedrick	97	58	77.4	5.48	
Hopeville	93	60	77.1	2.83	
Humboldt	94	57	77.8	3.32	
Independence	92	58	75.6	3.12	
Indianola	93	59	77.4	7.92	
Iowa City	99	62	78.6	6.27	
Iowa—Cont'd.					
Iowa Falls	91	57	75.6	4.42	
Keosauqua	97	64	81.4	3.84	
Knoxville	95	59	78.2	9.78	
Lacona	.....	.....	.....	5.25	
Lansing	96	54	77.6	3.02	
Larchwood	96	54	75.9	2.91	
Larrabee	92	55	76.0	2.23	
Leclaire	.....	.....	.....	4.37	
Lemars	95	55	76.0	2.85	
Lenox	91	58	76.5	3.78	
Logan	97	58	77.5	4.63	
Maple Valley	.....	.....	.....	3.94	
Maquoketa	95	57	76.3	4.43	
Marshalltown	95	60	78.3	7.31	
Monticello	96	52	76.3	2.97	
Mooar	99	.....	.....	4.49	
Mountayr	96	57	78.1	3.12	
Mount Pleasant	97	57	78.7	3.25	
Mount Vernon *b*	96	60	78.1	4.06	
Murray	.....	.....	.....	3.20	
New Hampton	93	56	76.7	2.37	
Newton	93	60	76.9	6.11	
Northwood	91	56	75.3	3.34	
Odebolt	95	56	77.4	6.37	
Ogden	92	57	76.4	8.34	
Onawa	94	59	77.3	7.49	
Osage	90	54	74.2	3.23	
Osceola	94	60	78.0	5.29	
Oskaloosa	96	60	78.3	5.55	
Ottumwa	97	61	82.0	6.05	
Ovid	96	58	78.1	3.39	
Pacific Junction	92	56	76.7	3.81	
Pella	96	57	77.4	5.74	
Plover	95	54	75.8	2.40	
Primghar	94	60	77.4	1.85	
Redoak	95	58	78.4	3.39	
Ridgeway	98	62	78.5	2.11	
Rockwell City	93	58	76.6	6.53	
Ruthven	94	48	76.0	4.51	
Sac City	93	57	76.4	6.46	
Scranton	93	59	76.3	10.43	
Sheldon	93	44	74.4	1.85	
Sibley	98	51	75.0	6.29	
Sigourney	99	59	79.9	4.02	
Sioux Center	98[d]	56	75.8	3.20	
Spirit Lake	97	55	77.3	4.31	
Storm Lake	91	58	75.4	4.58	
Stuart	98	55	77.6	6.55	
Thurman	94	58	77.2	7.32	
Toledo	96	50	77.5	6.89	
Villisca	97	55	77.7	4.45	
Vinton *[1]	93	62[f]	77.0[c]	2.74	
Wapello	103	65	82.1	5.69	
Washington	98	60	78.2	7.22	
Washta	.....	.....	.....	4.31	
Waterloo	95	57	77.5	3.48	
Waverly	93	59	77.4	2.33	
Westbend *[1]	94	59	75.4	3.34	
Westbranch	100	56	78.0	7.49	
West Union	.....	.....	.....	1.26	
Whitten	96	60	76.1	4.74	
Wilton Junction	98	60	79.3	7.40	
Winterset	94	58	78.1	5.53	
Woodburn	.....	.....	.....	5.91	
Kansas.					
Abilene	106	57	82.2	3.34	
Altoona	108	59	82.8	0.93	
Anthony	.....	.....	.....	0.64	
Atchison *a*	100	58	79.3	4.08	
Baker	99	51	77.0	6.70	
Beloit	103	60	83.4	1.93	
Burlington	104	56	80.7	2.93	
Campbell	103	58[g]	80.0[d]	2.94	
Chanute	104	.....	.....	0.50	
Coburn *[1]	104	60	78.6	4.60	
Colby	105	48	78.7	1.49	
Columbus	101	59	79.6	4.13	
Coolidge	104	47	77.8	0.12	
Delphos	104	57	81.8	4.68	
Dresden	103	52	77.8	2.20	
Ellinwood	105	59	82.0	3.01	
Emporia	99	59	81.0	3.00	
Englewood	105	56	86.7	2.15	
Eureka	.....	.....	.....	0.70	
Eureka Ranch	110	55	82.4	3.52	
Fallriver	104[c]	55[c]	82.0[c]	0.29	
Fanning	101	57	79.0	9.05	
Fort Scott	105	60	81.8	3.54	
Frankfort	104	54	80.6	1.61	
Garden City	107	53	81.6	0.80	
Grenola	104	52	81.0	1.05	
Hays	105	56	81.4	3.46	
Horton	100	57	78.0	7.46	
Hoxie	105	50	78.8	0.74	
Hutchinson	104	55	81.0	2.42	
Independence	107	59	84.3	0.63	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	Ins.	Ins.
Kansas—Cont'd.					
Lakin	101	52	78.8	0.45	
Lawrence	98	58	79.0	3.22	
Lebanon	105[c]	55[h]	82.6[c]	3.00	
Lebo	102	55	81.0	3.87	
Little River	105	51	81.2	4.45	
Macksville	104	56	80.7	1.19	
McPherson	107	58	82.8	3.69	
Madison	103	53	79.8	2.29	
Manhattan *b*	105	56	82.6	2.84	
Manhattan *c*	104	56	83.0	2.82	
Marion	106	58	82.2	2.80	
Meade	106	60	83.3	1.98	
Medicine Lodge	105	55	82.2	0.22	
Minneapolis	107	49	82.7	2.67	
Moran	99	61	80.8	1.82	
Mounthope*[1]	102	64	82.8	0.42	
Ness City	106	57	82.2	3.38	
Newton	104	57	81.1	3.43	
Norwich	103	58	81.7	0.66	
Oberlin	.....	.....	.....	1.70	
Olathe	100	56	79.8	3.63	
Osage City	103	53	80.0	2.33	
Oswego	101	58	81.6	2.45	
Ottawa	102	57	79.2	2.83	
Phillipsburg	110	56	84.8	0.75	
Pratt	107	58	80.8	0.50	
Rome	105	56	81.0	0.91	
Russell	109	57	84.0	1.25	
Salina	107	58	83.0	1.10	
Sedan	104	54	81.8	1.02	
Seneca	101	55	78.8	1.84	
Toronto	105	57	82.3	1.12	
Tribune	102	52	77.0	1.29	
Ulysses	106	55	79.8	T.	
Valley Falls	.....	55	.....	2.46	
Viroqua	107	50	79.9	0.01	
Wallace	.....	.....	.....	0.67	
Wamego*[1]	104	62	80.2	3.55	
Winfield	102	55	81.4	2.00	
Yates Center	105	54	81.2	0.87	
Kentucky.					
Alpha*[3]	100	69	80.2	2.04	
Bardstown	102	62	81.9	5.21	
Blandville	97	64	81.4	0.48	
Bowling Green	98	66	82.4	1.67	
Burnside	.....	.....	.....	1.34	
Canton*[1]	98	70	81.8	0.28	
Carrollton	98	66	81.6	3.10	
Catlettsburg	98	54	79.0	2.09	
Earlington	99	64	82.2	2.67	
Edmonton	98	59	80.0	3.73	
Eubank	94	59	77.2	3.23	
Falmouth	.....	.....	.....	6.27	
Fords Ferry	101	59	80.1	1.07	
Frankfort	96	62	79.8	5.26	
Greensburg	99	61	80.5	4.31	
Henderson	100	66	82.7	1.31	
Hopkinsville	97	62	80.8	0.12	
Irvington	94	64	79.6	2.31	
Jackstown	97	57	78.4	4.65	
Leitchfield	96	62	79.9	3.21	
Loretto	96	60	78.8	1.32	
Marrowbone	96	64	79.9	0.78	
Maysville	102	57	80.8	4.01	
Middlesboro	97	62	76.4	2.51	
Mount Hermon	93	62	78.2	2.56	
Mount Sterling	94	60	78.7	4.77	
Owensboro	99	66	81.8	1.57	
Owenton	100	63	80.2	3.84	
Paducah *a*	.....	.....	.....	0.21	
Paducah *b*	104	66	85.5	0.69	
Pikeville	99	62	80.2	6.81	
Princeton	101	63	82.4	0.05	
Richmond	97	60	80.2	2.40	
St. John	95	62	78.7	4.57	
Scott	98	59	79.2	4.06	
Shelby City	100	59	78.8	3.62	
Shelbyville	101	60	81.4	6.58	
Vanceburg	99	52	78.6	2.25	
Warfield	95	59	78.0	1.71	
Williamsburg	98	66	81.3	2.30	
Louisiana.					
Abbeville	92	70	80.8	4.59	
Alexandria	100	67	82.8	6.54	
Amite	97	68	81.7	5.20	
Baton Rouge	96	69	81.8	4.86	
Burnside	95	67	80.8	7.91	
Calhoun	97	68	81.2	1.47	
Cheneyville	96	69	82.4	5.27	
Clinton	94	67	80.0	3.25	
Como	98	65	80.6	2.00	
Covington	95	69	81.1	7.48	
Donaldsonville	95	68	80.4	8.25	
Farmerville	95	60	78.7	2.58	
Franklin	95	70	81.0	11.26	
Grand Coteau	95	68	81.2	3.20	
Louisiana—Cont'd.					
Hammond	98	68	82.1	3.56	
Houma	98	70	81.8	5.87	
Jeanerette	100	67	81.2	7.70	
Jennings	96	67	80.7	5.24	
Lafayette	97	68	81.4	3.93	
Lake Charles	96	70	82.2	4.05	
Lake Providence	98	67	81.8	1.57	
L'Argent	96	68	80.8	1.39	
Lawrence	98	69	83.2	3.88	
Libertyhill	100	64	82.1	4.97	
Mansfield	96	64	80.4	1.51	
Melville	97	62	79.8	6.37	
Minden	98	60	82.2	1.06	
Monroe	97	67	82.0	1.86	
Montgomery	92	69	80.0	4.00	
New Iberia	92	69	80.8	12.65	
Opelousas	96	61	81.8	5.27	
Oxford	95	65	80.0	3.09	
Paincourtville	96	69	81.6	8.98	
Plain Dealing	99	64	81.8	2.45	
Prevost	100	63	82.6	5.79	
Rayne	99	67	81.9	2.52	
Robeline	95	65	80.0	3.50	
Ruston	96	66	81.0	1.92	
Schriever	99	68	82.0	7.21	
Shellbeach	91	73	80.8	7.33	
Southern University	95	.....	.....	4.04	
Sugar Ex. Station	94	71	82.2	5.00	
Sugartown	93	70	81.4	5.24	
Venice	94	69	81.2	7.78	
Wallace	95	63	81.3	5.62	
White Sulphur Springs	.....	.....	.....	2.23	
Maine.					
Bar Harbor	94	.....	.....	1.90	
Bemis	88	43	66.8	2.28	
Calais	93	44	65.6	1.49	
Carmel	94	40	66.2	1.46	
Cornish*[1]	93	51	67.7	3.65	
Fairfield	91	48	66.2	1.76	
Farmington	94	42	66.2	2.30	
Flagstaff	89	39	62.4	2.17	
Gardiner	96	50	69.6	2.77	
Kineo	86	55	67.5	1.51	
Lewiston	98	50	68.9	3.69	
Mayfield	92	43	65.0	1.25	
North Bridgton	97	46	69.2	2.16	
Orono	94	43	66.3	1.58	
Rumford Falls	93	46	67.6	2.42	
Winslow	95	43	68.4	2.55	
Maryland.					
Annapolis	100	63	80.9	1.07	
Bachmans Valley	98	50	76.2	2.77	
Boettcherville	100	51	78.6	1.82	
Boonsboro *a*	99	51	78.0	2.73	
Chase	102	52	77.6	4.41	
Chewsville	99	56	77.0	3.00	
Clearspring	97	56	75.8	2.85	
Collegepark	103	55	79.7	2.09	
Cumberland *a*	100	62	82.2	1.66	
Cumberland *b*	.....	.....	.....	1.21	
Darlington	103	56	78.4	5.59	
Deerpark	89	41	69.7	3.65	
Easton	101	55	79.6	4.67	
Ellicott City	.....	.....	.....	1.64	
Fallston	103	55	78.2	3.87	
Frederick	100	56	79.3	1.96	
Frostburg	94	48	73.6	1.57	
Grantsville	91	45	71.4	2.50	
Greatfalls	98	58	77.6	1.77	
Greenspring Furnace	100	52	77.5	2.66	
Hagerstown	101	52	78.6	3.33	
Hancock[c]	103	50	78.8	1.48	
Harney	.....	.....	.....	3.48	
Jewell	100	60	78.7	3.82	
Johns Hopkins Hospital	101	57	78.8	3.63	
Laurel	102	52	79.1	0.85	
McDonogh	100	54	77.4	4.85	
Mount St. Marys Coll	99	54	76.4	4.45	
Newmarket	97	54	77.0	2.57	
Pocomoke	99	57	79.6	3.32	
Princess Anne	98	53	77.9	3.56	
Rockhall *b*	101	55	79.0	4.26	
Sharpsburg	100	55	78.2	1.67	
Smithsburg *a*	99	50	76.5	3.33	
Smithsburg *b*	96	53	77.2	3.57	
Solomons	103	65	82.7	6.77	
Sudlersville	96	56	75.9	2.81	
Sunnyside	93	42	71.0	5.04	
Takoma Park	100	57	78.4	2.13	
Taneytown	101	53	79.1	2.80	
Van Bibber	100	58	78.0	5.48	
Westernport	95	50	75.2	1.76	
Westminster[e]	99	50	75.3	.....	
Woodstock	98	56	77.4	3.01	
Massachusetts.					
Amherst	92	44	69.9	4.16	
Massachusetts—Cont'd.					
Bedford	92	49	69.7	1.93	
Bluehill (summit)	96	48	70.1	1.36	
Cambridge	97	49	71.6	2.76	
Chestnuthill	98	50	71.8	2.15	
Cohasset	.....	.....	.....	1.71	
Concord	98	42	69.0	1.91	
East Templeton*[1]	92	51	69.0	3.61	
Fallriver	94	51	71.5	2.17	
Fitchburg *a**[1]	93	53	69.4	3.97	
Fitchburg *b*	97	48	70.8	3.63	
Framingham	96	47	70.2	2.25	
Groton	94	43	69.0	3.90	
Hyannis*[1]	95	53	69.5	1.36	
Jefferson	.....	.....	.....	2.79	
Lawrence	96	49	70.4	3.54	
Leeds	93	45	70.0	4.17	
Leominster	.....	.....	.....	3.53	
Lowell *a*	95	49	71.6	3.73	
Lowell *b*	96	43	70.0	.....	
Ludlow Center	90	40	66.7	3.16	
Middleboro	94	43	69.2	1.54	
Monson	92	45	69.4	3.54	
New Bedford *a*	93	50	70.4	1.63	
Pittsfield	90	46	69.2	4.69	
Plymouth*[1]	94	59	68.5	2.05	
Princeton	.....	.....	.....	3.75	
Provincetown	94	56	72.0	2.03	
Somerset*[1]	102	48	74.4	3.08	
South Clinton	.....	.....	.....	3.29	
Springfield Armory	98	49	72.6	1.62	
Sterling	.....	.....	.....	2.90	
Taunton *c*	94	43	69.3	2.43	
Westboro	95	47	71.4	2.41	
Weston	93	45	69.4	2.52	
Williamstown*[1]	89	55	68.8	5.91	
Winchendon	.....	.....	.....	3.31	
Worcester *b*	92	49	70.0	2.76	
Michigan.					
Adrian	94	53	74.8	2.50	
Agricultural College	94	45	73.3	2.98	
Allegan	95	54	75.8	2.22	
Alma	98	47	74.4	5.16	
Ann Arbor	98	52	75.4	2.04	
Annpere	97	.....	.....	1.15	
Arbela	97	49	73.4	6.77	
Badaxe	98	52	73.4	3.78	
Ball Mountain	96	50	73.6	5.42	
Baraga	99	42	71.8	.....	
Battlecreek	96	54	75.7	2.40	
Bay City	99	51	74.4	4.88	
Berlin	96	46	72.4	5.89	
Berrien Springs	95	54	75.7	7.71	
Big Rapids	97	46	72.5	3.81	
Boon	92	38	69.2	3.79	
Calumet	89	51	67.3	4.67	
Carsonville	98	48	73.0	3.33	
Charlevoix	95	50	72.7	3.04	
Chatham	96	42	70.9	3.12	
Cheboygan	93	48	71.2	7.33	
Clinton	98	51	75.8	2.02	
Coldwater	95	52	75.3	1.73	
Deerpark	91	45	66.8	5.73	
Dundee	94	53	74.7	2.43	
Eagle Harbor	95	50	67.1	4.14	
East Tawas	98	52	71.8	4.79	
Eloise	98	50	76.4	2.33	
Ewen	90	52	67.1	3.70	
Fairview	95	55	75.2	2.67	
Fitchburg	95	50	73.5	3.52	
Flint	96	49	73.6	5.00	
Frankfort	93	.....	.....	3.91	
Gaylord	95	41	70.2	5.41	
Gladwin	98	49	72.8	3.20	
Grand Marais	91	47	68.8	3.45	
Grand Rapids	96	56	76.2	5.92	
Grape	96	53	75.4	2.23	
Grayling	96	43	70.4	2.15	
Hanover	94	53	74.8	2.23	
Harbor Beach	100	50	72.4	4.96	
Harrison	97	42	72.0	3.65	
Harrisville	98[8]	52[4]	69.8[4]	5.23	
Hart	98	51	75.0	2.91	
Hastings	96	50	74.4	4.78	
Hayes	97	45	72.2	6.91	
Highland Station	.....	.....	.....	7.03	
Hillsdale	94	50	74.5	1.80	
Holland*[10]	87	61	75.6	.....	
Humboldt	93	32	66.4	4.04	
Ionia	99	50	74.4	7.40	
Iron River	91	37	68.6	4.88	
Ishpeming	91	40	68.4	3.32	
Ivan	95	43	70.2	4.00	
Jackson	99	53	76.3	2.29	
Jeddo	97	49	72.2	4.64	
Kalamazoo	95	56	76.7	2.78	
Lake City	95	36	70.6	1.60	

TABLE II.—*Climatological record of voluntary and other cooperating observers.*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Michigan—Cont'd.	°	°	°	*Ins.*	*Ins.*
Lansing	94	54	74.5	3.86	
Lathrop	92	38	67.5	4.89	
Lincoln	95	38	69.6	4.97	
Ludington	88	50	73.2	2.69	
Mackinac Island	85	49	68.6	2.58	
Mackinaw	93	48	69.3	4.77	
Madison	96	3	75.6	2.69	
Mancelona	96	41	71.0	3.43	
Manistique	82	48	67.6	3.39	
Menominee	96	55	74.0	4.13	
Middle Island *[10]	91	57	70.4	.....	
Midland	99	45	73.4	3.12	
Mottville	95	54	74.2	4.22	
Mount Clemens	99	51	76.4	1.85	
Mount Pleasant	97	40	72.4	4.30	
Muskegon	91	57	74.4	2.50	
Newberry	92	35	65.0	1.64	
North Marshall	95	54	74.4	2.25	
Northport	92	51	71.8	1.10	
Old Mission	95	52	71.4	3.68	
Olivet	91	56	73.4	2.33	
Omer	98	.....	.....	3.35	
Ontonagon	97	47	69.4	3.02	
Ovid	98	49	75.1	2.92	
Owosso	100	50	74.4	4.09	
Petoskey	93	45[g]	69.3[d]	4.15	
Plymouth	98	53	77.6	3.02	
Port Austin	97	48	73.0	4.17	
Reed City	97	46	75.2	4.61	
Roscommon	99	39	69.4	2.93	
Saginaw	99	51	75.1	5.23	
St. Ignace	88	49	69.5	4.77	
St. Johns [h]	97	53	76.3	.....	
St. Joseph	97	56	76.9	7.73	
Sidnaw	95	38	69.4	4.20	
Somerset	93	51	74.2	3.02	
South Haven	89	58	74.2	8.31	
Stanton	98	40	74.6	3.83	
Thomaston	94[e]	44[e]	67.8[e]	5.10	
Thornville	93	52	74.2	3.06	
Traverse City	97	50	74.0	3.35	
Vandalia	94	56	75.9	3.71	
Vassar	99	45	73.6	5.70	
Wasepi	92	54	74.4	2.95	
Waverly	94	53	75.6	4.43	
West Branch	96	47	72.4	3.45	
Wetmore	92	38	67.6	2.45	
Whitecloud	99	49	73.6	4.70	
Whitefish Point	85	46	65.4	4.82	
Williamson	96	51	77.2	.....	
Ypsilanti	93	51	73.6	1.34	
Minnesota.					
Ada	93	44	71.8	5.49	
Albert Lea	96	56	76.4	3.80	
Alexandria	99	50	73.4	16.52	
Ashby	99	52	74.4	8.70	
Bemidji	90	47	72.0	8.86	
Bird Island	99	50	77.3	2.59	
Blooming Prairie	95	49	75.6	2.20	
Camden [g]	98	59	74.0	2.74	
Campbell	94	46	70.7	6.02	
Collegeville	97	58	75.0	8.68	
Crookston	92	47	71.8	7.51	
Currie	100[c]	50[c]	75.0[c]	.....	
Deephaven	.....	.....	.....	5.27	
Detroit City	92	42	71.1	10.88	
Faribault	93	52	76.4	3.87	
Farmington	93	54	75.2	4.47	
Fergus Falls	95	52	73.8	8.44	
Grand Marais	.....	.....	.....	7.60	
Grand Meadow	96	50	77.3	2.27	
Hallock	93	37	70.2	4.83	
Hovland	.....	.....	.....	11.94	
Lake Jennie	97	50	76.4	4.54	
Lakeside	96	52	75.5	4.58	
Lake Winnibigoshish	93	50	69.9	10.63	
Leech *[1]	94	.....	67.9	7.95	
Leroy	.....	59	.....	3.52	
Long Prairie	100	45	74.0	11.57	
Luverne	94	54	74.8	3.82	
Lynd	98	50	75.0	2.24	
Mapleplain	95	50	75.8	5.46	
Milan	100	49	76.8	4.22	
Minneapolis *a*	95	54	76.3	7.07	
Minneapolis *b* [1]	96*	52	75.5	6.11	
Minnesota City *[1]	92	60	77.3	1.89	
Morris	99	54	76.2	7.31	
Mount Iron	95	45	70.6	10.14	
Newfolden	90	38	68.4	9.91	
New London	102	55	75.8	8.24	
New Richland *[1]	96	60	76.1	.....	
New Ulm	101	50	79.2	3.35	
Park Rapids	94	45	71.2	9.55	
Pine River	96	50	72.2	9.24	
Pipestone	93	54	74.2	1.99	
Pleasant Mounds	94	53	76.0	3.13	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Minnesota—Cont'd.	°	°		*Ins.*	*Ins.*
Pokegama Falls	95	41	70.4	9.85	
Redwing	.....	.....	.....	3.56	
Rolling Green	92	55	75.2	3.35	
St. Charles	95	48	75.8	1.53	
St. Cloud	103	54	77.1	9.28	
St. Peter	92	45	76.6	2.82	
Sandy Lake Dam	95	45	71.6	8.54	
Shakopee	95	52	76.4	4.22	
Thief River Falls	.....	.....	.....	9.63	
Tower	98	.....	.....	5.40	
Two Harbors	89	45	66.0	9.83	
Wabasha *[1]	99	63	76.1	3.84	
Willow River	95	45	72.6	7.23	
Winnebago City	95	55	76.2	3.46	
Worthington	91	53	74.0	4.70	
Mississippi.					
Aberdeen	100	68	81.8	1.10	
Agricultural College	103	68	83.7	0.83	
Austin	95	62	77.4	1.57	
Bay St. Louis	97	71	82.0	6.42	
Biloxi	97	71	83.0	3.45	
Booneville	94	67	79.8	2.58	
Brookhaven	100	61	81.6	3.44	
Canton	95	67	81.6	1.96	
Columbus *a*	.....	.....	.....	0.64	
Columbus *b*	98	64	83.3	0.64	
Crystalsprings	97	66	81.4	2.31	
Edwards	97	69	82.9	0.40	
Fayette	93	60	79.8	0.80	
Fayette (near) *[1]	96	70	81.8	.....	
Greenville *a*	96	69	83.4	1.00	
Greenville *b*	96	69	83.0	0.93	
Greenwood	94	71	82.8	2.45	
Hattiesburg	94	72	83.6	2.17	
Hazlehurst	98	67	81.9	2.79	
Jackson	100	62	79.5	1.05	
Kosciusko	98	68	82.4	2.20	
Lake	94	64	78.8	1.98	
Latonia	99	68	81.6	5.69	
Leakesville	100	65	82.2	4.89	
Logtown	98	69	81.2	8.07	
Louisville	97	64	81.2	1.19	
Macon	100	67	82.6	2.69	
Magnolia	97	68	81.8	3.08	
Natchez	97	70	82.5	1.00	
Okolona	100	65	82.8	0.75	
Palo Alto	96	68	82.2	3.82	
Pontotoc	96	65	83.8	1.49	
Port Gibson	87	66	81.5	1.26	
Ripley	98	66	80.4	1.45	
Shoccoe	92	72	82.0	1.72	
Stonington *[1]	92	68	79.7	.....	
Thornton	.....	.....	.....	0.62	
Tupelo	.....	.....	.....	1.44	
Walnutgrove	95[f]	68[f]	81.2[f]	3.28	
Watervalley	.....	.....	.....	1.83	
Waynesboro	95	65	79.9	3.30	
Windham	.....	.....	.....	2.82	
Woodville	96	69	81.7	2.74	
Yazoo City	99	68	83.3	1.30	
Missouri.					
Appleton City	105	62	82.8	5.78	
Arthur *[3]	.....	65	78.0	6.66	
Avalon	101	59	80.2	2.08	
Bethany	98	55	78.2	2.88	
Birchtree	99	60	79.2	4.97	
Boonville	.....	.....	.....	6.09	
Brunswick	95	63	78.8	3.20	
Carrollton	98	62	79.8	4.48	
Conception	91	60	77.4	3.55	
Cook Station	105	55	80.0	3.00	
Cowgill *[5]	98	58	79.9	2.94	
Darksville	100	64	80.8	2.50	
Downing	.....	.....	.....	2.97	
East Lynne *[3]	.....	64	75.2	6.58	
Edgehill *[5]	98	64	80.1	2.87	
Edwards	105	57	81.3	4.49	
Eldon	103	60	78.6	4.93	
Elmira	99	55	77.6	2.95	
Fairport	.....	.....	.....	3.23	
Fayette	104	62	80.8	2.43	
Fulton	100	61	79.6	2.84	
Galena	.....	.....	.....	4.12	
Gallatin *[1]	97	58	79.3	3.91	
Gayoso	100	62	82.4	0.90	
Glasgow	102	64	81.2	6.18	
Gorin	.....	.....	.....	1.56	
Halfway	102	56	79.9	4.52	
Harrisonville	100	57	79.8	5.07	
Hazlehurst	.....	.....	.....	1.82	
Hermann	.....	.....	.....	2.26	
Houston	101	55	78.1	3.39	
Houstonia (near)	.....	.....	.....	5.74	
Irena	.....	.....	.....	2.81	
Ironton	103	55	78.3	4.35	
Jackson *[3]	99	67	78.8	1.60	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Missouri—Cont'd.	°	°	°	*Ins.*	*Ins.*
Jefferson City	102	61	81.0	2.66	
Kidder	98	58	78.2	4.62	
Koshkonong	102	62	81.2	3.90	
Lamar	101	60	81.4	4.81	
Lamonte	.....	.....	.....	4.55	
Lebanon	101	61	80.5	2.94	
Lexington	101	57	80.0	3.51	
Liberty	100	52	78.5	1.61	
Louisiana	104	61	82.6	2.53	
McCune *[1]	102	66	82.7	3.13	
Macon	102	62	81.7	1.68	
Marblehill	104	58	79.4	2.26	
Marshall	100	59	79.8	5.36	
Maryville	100	56	79.4	5.52	
Mexico	103	61	82.3	2.09	
Miami *[5]	97	65	81.8	2.41	
Mineralspring	98	55	76.5	4.82	
Montreal	98	59	79.2	3.98	
Mount Vernon	103	60	81.8	5.89	
Neosho	98	57	77.7	3.50	
Nevada	.....	.....	.....	5.53	
New Haven	102	62	81.9	2.37	
New Madrid	99	67	84.0	1.34	
New Palestine	100	61	79.7	6.54	
Oakfield	101	62	82.2	1.35	
Olden	100	58	77.5	4.52	
Oregon *a*	95	58	78.6	6.06	
Oregon *b*	99	60	80.6	5.61	
Palmyra *[5]	101	66	83.9	1.03	
Phillipsburg *[1]	102	64	80.3	3.38	
Pickering *[3]	96	52	71.0	0.16	
Pine Hill	.....	.....	.....	4.44	
Poplarbluff	104	63	81.6	3.49	
Potosi	102	54	77.8	4.17	
Princeton	102	62	81.8	2.49	
Richmond	99	64	79.6	3.15	
Rockport	.....	.....	.....	8.37	
Rolla	.....	.....	.....	3.61	
St. Charles	102	63	81.6	0.88	
Sarcoxie *[3]	.....	62	79.5	4.80	
Seymour	100	55	78.0	4.15	
Shelbina	.....	.....	.....	1.20	
Sikeston	105	63	82.4	0.34	
Steffenville	101	62	82.6	0.91	
Sublett	98	59	80.6	2.16	
Trenton	96	60	80.0	2.24	
Unionville	103	60	82.6	2.65	
Vichy	99	55	80.0	3.40	
Warrensburg	102	60	81.2	4.45	
Warrenton	102	61	81.6	1.95	
Wheatland	.....	.....	.....	4.59	
Willowsprings	100	59	78.0	4.57	
Windsor	99	59	78.4	4.87	
Wylie	101	59	79.6	4.05	
Zeitonia	104	62	81.0	2.76	
Montana.					
Billings	104	42	69.6	.....	
Boulder	93	30	59.6	0.54	
Bozeman	89	37	61.0	0.68	
Butte	89	42	59.2	0.48	
Canyon Ferry	99	40	66.0	1.42	
Chester	98	62	69.1	1.70	
Chinook	104	32	67.0	1.02	
Columbia Falls	85	31	57.2	2.11	
Corvallis	101	32	61.2	1.30	
Crow Agency	99	43	67.6	1.58	
Dell	93	34	59.1	1.10	
Dillon	94	34	59.8	1.32	
Fort Benton	104	40	65.4	0.55	
Fort Logan	90	31	58.0	0.49	
Glasgow	104	41	69.0	0.93	
Glendive	111	40	72.2	2.40	
Glenwood	96	35	60.2	1.16	
Greatfalls	96	38	65.2	1.53	
Kipp	93	27	56.4	1.99	
Lewistown	95	30	61.2	4.20	
Livingston	90	36	64.7	0.05	
Martinsdale	95	32	62.3	0.81	
Marysville	90	37	59.0	0.80	
Ovando	91	25	54.6	1.80	
Parrot [i]	96	42	64.0	0.26	
Plains	87	37	61.3	2.27	
Poplar	105	39	71.0	3.13	
Redlodge	96	29	61.0	0.00	
Ridge	104	42	70.6	1.02	
Ridgelawn	109	36	69.8	2.31	
St. Pauls	98	36	64.6	1.32	
Troy	89	34	59.4	1.23	
Twin Bridges	94	32	60.5	.....	
Utica	100	38	62.8	2.20	
Wibaux	100	33	64.6	4.77	
Yale	102	39	64.7	0.83	
Nebraska.					
Agate	.....	.....	.....	0.46	
Agee	.....	.....	.....	2.69	
Albion	96	54	76.3	3.74	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Alliance				1.05	
Alma	104	54	80.5	1.22	
Ansley	99	49	76.6	5.24	
Arapaho*[1]	100	60	79.6	0.85	
Arborville*[1]	100	60	76.2	6.33	
Arcadia	98	52	76.8	4.85	
Arlington				5.70	
Ashland *a*	96	60	79.0	6.07	
Ashland *b*				6.11	
Ashton				3.48	
Auburn	96	51	77.5	3.05	
Aurora*[1]	96	62	77.4	6.26	
Bartley				0.34	
Beatrice	101	55	79.0	3.58	
Beaver	109	54	82.0	0.67	
Bellevue				4.63	
Benedict				8.57	
Benkleman				2.31	
Blair	95	50	77.3	5.97	
Bluehill				2.48	
Bradshaw				8.53	
Brokenbow*[1]	96	52	75.2	4.00	
Burchard				2.92	
Burwell				3.87	
Callaway	98	39	70.7	4.70	
Camp Clarke	102	38	75.6	0.84	
Central City				3.96	
Chester				2.13	
Cody				4.50	
Columbus	95	57	77.2	7.40	
Crete	96	59	77.6	8.07	
Curtis	97	56	81.2	5.79	
David City	94	57	77.3	9.60	
Dawson	105	57	79.6	4.19	
Eden				7.56	
Edgar *a*				2.66	
Ericson				4.81	
Ewing				4.34	
Fairbury	104	56	79.6	4.25	
Fairmont	96	56	77.8	6.84	
Fort Robinson	103	36	75.1	1.95	
Franklin	104	56	80.2	1.62	
Fremont	94	59	76.9	6.37	
Geneva	98	50	77.7	3.35	
Genoa	96	55	77.4	6.94	
Gering	98	40	73.9	0.67	
Gordon				2.20	
Gosper				2.50	
Gothenburg	99	49	77.2	5.53	
Grand Island *a*				3.80	
Grand Island *b*	102	53	78.8	4.23	
Greeley				1.25	
Haigler				4.54	
Hartington	97	55	76.4	2.53	
Harvard	93	55	76.6	5.93	
Hastings*[1]	96	60	77.9	2.29	
Hayes Center				3.96	
Hay Springs	99	45	74.8	1.22	
Hebron	101	58	79.6	1.64	
Hickman				6.70	
Holdrege*[1]	98	55	79.7	2.62	
Hooper*[1]	93	62	77.4	5.87	
Imperial	102	45	76.4	3.47	
Johnstown				2.50	
Kearney				2.94	
Kennedy	100	47	73.6	4.38	
Kimball	96	48	72.6	0.27	
Kirkwood*[1]	95[d]	55[e]	76.0[e]	3.17	
Laclede	96	57	77.2	5.21	
Lexington	99	50	76.2	2.51	
Lincoln	98	54	79.0	7.89	
Loup				4.11	
Lynch	101	52	76.2	3.39	
Lyons				4.62	
McCook*[1]	98	58	79.1	1.26	
McCool				3.57	
Madison	96	55	76.7	3.83	
Madrid*[5]	103	50	78.3	2.03	
Marquette				4.08	
Mason City				3.96	
Merriman				2.22	
Minden *a*	102	54	78.6	2.89	
Minden *b*				2.63	
Monroe				6.58	
Nebraska City *b*				10.14	
Nebraska City *c*	101[j]	53[j]	78.9[j]	6.73	
Nemaha*[1]	103	62	79.7	14.73	
Nesbit	98	46	73.6	3.08	
Norfolk	98	54	77.5	3.90	
North Loup	96	52	76.6	4.00	
Oakdale	99	52	77.4	3.61	
Odell	102	60	85.1	2.53	
O'Neill	99	52	75.4	3.07	
Ord				5.74	
Osceola				5.34	
Ough				3.34	
Nebraska—Cont'd.	°	°	°	*Ins.*	*Ins.*
Palmer*[5]	100	60	84.2	3.90	
Palmyra*[1]	94	60	76.4	7.72	
Plattsmouth *b*				4.96	
Pleasanthill				6.77	
Ravenna *a*	102	54	76.9	1.74	
Ravenna *b*				1.74	
Redcloud *b*[1]	102	60	85.0	1.34	
Republican*[1]	102	60	79.3	0.52	
Rulo				5.99	
St. Libory				3.38	
St. Paul	99	54	77.2	4.01	
Salem*[1]	96	64	81.0	4.81	
Santee	100	56	79.4	1.72	
Sargent				4.38	
Schuyler				6.41	
Seneca*[1]	94	56	71.4	0.23	
Seward	100	64	81.6	6.59	
Smithfield				2.68	
Spragg				3.20	
Springview	96	50	74.6	4.63	
Stanton*[1]	97	60	75.6	5.35	
State Farm	97	58	78.7	7.96	
Strang				3.50	
Stratton				1.59	
Superior*[5]	104	64	83.0	2.70	
Syracuse				5.97	
Tablerock				7.16	
Tecumseh *b*	100	57	80.6	5.00	
Tecumseh *c*				5.27	
Tekamah	96	52	77.6	6.27	
Turlington	95	59	77.2	6.28	
Valparaiso				8.71	
Wakefield	97	53	76.9	5.21	
Wallace				1.24	
Wauneta				2.39	
Weeping Water*[1]	93	55	72.7	7.99	
Wellfleet				4.60	
Westpoint	98	55	79.9	4.35	
Wilber*[1]	102	60	77.3	6.23	
Willard				2.50	
Wilsonville*[1]	106	56	81.4	0.70	
Winnebago				4.45	
Wisner				6.61	
Wymore				1.87	
York				7.19	
Nevada.					
Austin	86	42	62.6	T.	
Battle Mountain*[1]	94	46	72.8	0.00	
Belmont	87	34	62.2	0.01	
Beowawe*[1]	88	55	68.5	0.00	
Candelaria	95	44	68.1	0.00	
Carlin*[1]	100	52	65.7	0.00	
Carson City	91	35	62.1	0.13	
Clover Valley				0.21	
Cranes Ranch				T.	
Duck Valley	92	34	61.0	0.16	
Elko*[1]	99	49	64.7	0.00	
Elko (near)	95	33	61.8	0.00	
Ely	92	37	62.4	0.05	
Empire Ranch	98	30	59.6	T.	
Fenelon*[1]	92	40	64.8	0.00	
Golconda*[1]	98	58	72.0	0.03	
Halleck*[1]	98	44	64.3	0.00	
Hawthorne	95	48	69.6	0.00	
Hot Springs*[1]	100	60	75.0	0.00	
Humboldt	90	50	68.9	0.00	
Lee				T.	
Lewers Ranch	91	38	63.8	0.15	
Los Vegas	110	53	78.9	0.10	
Lovelocks*[1]	93	58	69.5	0.00	
Mill City*[1]	92	58	70.4	0.00	
Monitor Mill	92	32	62.5	0.00	
Palisade*[1]	98	55	68.5	0.00	
Palmetto	94	32	61.4	0.25	
Sodaville	98	43	72.2	0.00	
Tecoma*[1]	100	55	71.6	T.	
Toano*[1]	98	52	67.8	0.00	
Tybo	92	45	68.6	0.00	
Verdi*[1]	88	44	62.6	0.22	
Wadsworth*[1]	92	50	71.2	0.00	
Wells*[1]	92	40	64.4	T.	
New Hampshire.					
Alstead				5.32	
Berlin Mills	93	34	65.3	2.74	
Bethlehem	89	41	65.0	3.65	
Brookline*[1]	96	54	69.8	3.32	
Claremont	96	41	69.3	2.86	
Concord	94	41	68.4	2.76	
Durham	98	46	70.1	2.49	
Grafton	94	36	65.9	2.91	
Hanover	95	41	67.8	2.89	
Keene	94	39	68.0	3.42	
Littleton	89	40	64.5	3.74	
Nashua	97	43	70.4	4.11	
Newton	94	42	67.8	2.98	
North Conway	97	43	67.6	2.60	
New Hampshire—Cont'd	°	°	°	*Ins.*	*Ins.*
Peterboro	93	39	67.4	4.35	
Plymouth	96	42	68.0	2.42	
Sanbornton	94	43	66.9	2.57	
Stratford	90	38	65.3	3.49	
Warner				4.80	
New Jersey.					
Asbury Park	99	58	76.4	0.90	
Bayonne	99[e]	56[e]	77.2[e]	2.43	
Belvidere	96	52	75.7	1.92	
Bergen Point	95	56	75.4	2.52	
Beverly	101	51	77.7	3.44	
Billingsport*[1]	97	60	76.9	4.54	
Bridgeton	102	55	79.4	4.18	
Camden	98	55	76.6	2.96	
Cape May C. H.	103	50	79.6	1.48	
Charlotteburg	97	41	72.2	1.64	
Chester	91	52	72.8	3.16	
Clayton	102	50	77.8	2.97	
College Farm	98	55	77.0	2.24	
Deckertown	98	48	74.7	1.98	
Dover	98	47	74.9	2.48	
Egg Harbor City	101	48	77.2	4.35	
Elizabeth	99	55	76.6	2.97	
Englewood	97	58	74.7	4.56	
Flemington	100	53	77.4	2.72	
Freehold	96	54	74.9	2.41	
Friesburg	103	51	78.1	2.97	
Hammonton				2.83	
Hanover	95	52	74.0	4.11	
Hightstown	96	54	76.2	2.35	
Imlaystown	96	55	76.8	2.43	
Lambertville	100	53	77.6	2.88	
Layton	99	43	74.0	0.89	
Lebanon				2.31	
Moorestown	97	54	76.9	3.53	
Mount Pleasant				1.55	
Newark	97	54	75.7	2.88	
New Brunswick	100	55	78.2	2.39	
Newton	99	45	73.6	1.62	
Ocean City	98	50	74.8	2.65	
Oceanic	96	58	74.6	4.15	
Paterson	100	55	76.4	3.44	
Perth Amboy	100	57	77.2	2.10	
Plainfield	98	52	76.0	2.69	
Rancocas				3.45	
Rivervale	99	46	73.4	3.97	
Rocktown				1.74	
Roseland	97	46	73.9	2.82	
Salem	104	53	79.4	2.64	
Somerville	102	53	77.7	3.55	
South Orange	95	56	75.0	2.78	
Toms River	101	46	75.7	2.63	
Trenton	95	57	77.0	3.77	
Tuckerton	102	49	77.6	1.97	
Vineland	104	52	78.5	2.02	
Woodbine				1.73	
New Mexico.					
Albert	101	54	76.0	2.12	
Albuquerque	94	53	75.0	0.13	
Alma	93	44	70.4	1.53	
Aztec	95	38	69.2	0.14	
Bellranch				4.23	
Bernalillo	95	46	73.4	0.34	
Bluewater	96	40	67.4	1.05	
Cambray				0.62	
Deming				0.08	
East Lasvegas	84	49	67.8	2.23	
Engle	99	54	76.4	1.92	
Espanola	96	42	71.5	0.48	
Folsom	93	41	68.6	1.14	
Fort Bayard	97	52	72.9	1.35	
Fort Stanton	94	43	67.9	2.18	
Fort Union				1.73	
Fort Wingate	96	42	69.0	0.83	
Gage				0.75	
Gallisteo	96	48	71.0	2.33	
Gallinas Spring	97	41	72.4	3.07	
Hillsboro	94	54	74.0	0.03	
Las Vegas Hotsprings	89[g]	49	68.0[d]	3.15	
Lordsburg				1.25	
Los Lunas	102	46	73.8	0.20	
Lower Penasco	93	51	72.6	1.95	
Lyons Ranch	102	46	76.4	1.10	
Mesilla Park	102	47	78.2	0.90	
Raton	92	46	68.6	1.40	
Roswell	101	49	77.1	1.25	
Socorro	99	52	77.2	0.48	
Springer	94	39	68.8	5.35	
Strauss				1.20	
Whiteoaks	93	51	72.2	1.10	
Winsors Ranch	86	30	58.8	1.30	
Woodbury	98	50	73.4	0.56	
New York.					
Adams				1.28	
Addison	99	42	73.6	2.39	
Akron				2.48	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
New York—Cont'd.					
Alden	94	53	75.0	2.48	
Alfred				4.04	
Angelica	94	38	70.4	2.59	
Appleton	96	50	72.6	2.02	
Arcade	89	43	70.4	3.95	
Atlanta	95	42	70.8	2.41	
Auburn	97	50	74.8	1.80	
Avon	97	50	74.2	2.52	
Axton	87	36	64.6	6.00	
Baldwinsville	94	52	73.6	3.35	
Bedford *a*	98	54	75.4	2.66	
Beedes	87	40	64.4	4.81	
Big Sandy *[10]	90	52	70.3		
Bisby Lodge				7.41	
Blue Mountain Lake				3.65	
Bolivar	96	33	69.4	5.14	
Bouckville	89	46	69.8	3.32	
Boyds Corners				1.54	
Brockport	95	53	73.2	2.31	
Caldwell	93	47	69.2	5.83	
Canajoharie	93	42	69.7	2.79	
Canton	94	39	68.6	4.30	
Carmel	94	48	74.9	2.30	
Carvers Falls	93	44	68.4	6.23	
Catskill	103	50	74.6	1.51	
Cedarhill	101	44	73.6	2.46	
Chenango Forks				1.80	
Cooperstown	89	44	68.8	4.62	
Cortland	96	46	72.9	1.92	
Cutchogue	96	52	73.9	6.15	
Dekalb Junction				3.29	
Easton				5.08	
Elba	94	52	73.6	2.39	
Elmira	98	47	75.0	1.25	
Fleming	93	51	72.3	2.88	
Franklinville	91	40	69.8	3.68	
Fulton				2.46	
Gabriels	85	37	64.1	7.47	
Glens Falls	95	48	70.9	6.03	
Gloversville	95	42	68.6	3.23	
Greenwich	93[c]	47[c]	70.8[c]	4.55	
Haskinville				1.71	
Hemlock	92	54	73.4	1.99	
Honeymead Brook	96	48	71.4	2.15	
Honnedaga Lake				5.54	
Hoosick Falls				6.25	
Humphrey	91	42	70.2	4.91	
Indian Lake	89	39	66.4	4.27	
Ithaca	95	46	72.3	2.93	
Jamestown	90	46	72.2	2.02	
Jay	91	40	67.2	5.78	
Keene Valley	91	39	67.1	4.74	
King Ferry				1.86	
King Station				4.38	
Liberty	93	46	70.1	3.43	
Littlefalls	91	46	71.0	3.88	
Lockport	93	53	73.4	3.35	
Lowville	93	44	69.8	1.50	
Lyndonville				1.64	
Lyons	94	55	73.8	2.49	
Mayle				2.81	
Middletown	96	51	73.4	1.88	
Mohonk Lake	92	51	72.2	5.23	
Moira	90	40	68.1	3.99	
Mount Hope	101	48	73.6	3.75	
Newark Valley				2.73	
New Lisbon	92	38	68.0	3.50	
North Hammond	94	50	71.5	2.97	
North Lake	89	42	66.7	5.28	
Number Four	88	40	66.2	2.38	
Ogdensburg	89	52	70.4	2.91	
Old Chatham				2.32	
Oneonta	95	44	72.6	6.24	
Oxford	96	42	71.0	2.89	
Palermo	92	48	70.8	3.03	
Penn Yan	99	51	74.9	2.36	
Perry City	98	42	72.2	2.48	
Phœnix				2.85	
Plattsburg Barracks	94	48	69.4	3.24	
Port Byron	94	51	71.8	3.23	
Port Jervis	99	48	74.4	3.51	
Red Hook				3.37	
Richmondville	86	47	67.7	3.39	
Ridgeway	95	53	73.2	1.95	
Rome	92	49	69.6	6.62	
Romulus	97	53	74.4	4.11	
Rose				2.92	
St. Johnsville	95	43	71.4	3.01	
Salisbury Mills				2.41	
Saranac Lake	88	37	64.4	5.57	
Saratoga Springs	94	48	70.6	4.00	
Schenevus				1.56	
Scottsville				2.68	
Setauket	95	55	73.4	5.90	
Shortsville	96	50	73.6	2.05	
Skaneateles				1.85	
New York—Cont'd.					
South Canisteo	93	40	70.2	3.37	
Southeast Reservoir				2.33	
South Kortright	93	35	68.2	3.18	
Straits Corners	101	39	72.6	1.52	
Ticonderoga	98	46	71.2	5.39	
Volusia	90	47	72.0	1.54	
Walton	96	39	70.4	3.12	
Wappingers Falls	98	51	74.7	3.05	
Warwick				6.17	
Watertown	93	49	72.1	1.10	
Waverly	101	39	73.7	1.64	
Wedgwood	97	50	74.0	1.71	
West Berne	100	40	72.0	2.88	
West Chazy [1]	93	45	67.6		
Westfield *a*	100	51	74.0	1.39	
Westfield *b*	90	51	73.3	1.17	
Westfield *c*	89	53	74.4	1.18	
Williamson				2.91	
Windham	93	37	66.7	3.50	
North Carolina.					
Abshers	100	56	79.2	4.14	
Asheville				2.54	
Biltmore	92	56	74.8	0.52	
Bryson City				4.48	
Chapelhill	104	62	83.6	3.61	
Cherryville	101	61	81.2	2.61	
Currituck				1.88	
Edenton	99	63	83.8	3.63	
Fairbluff				2.98	
Fayetteville	102	62	83.5	1.26	
Goldsboro	99	64	82.3	5.14	
Greensboro	98	65	80.9	1.69	
Henderson	99	64	81.2	3.53	
Hendersonville	94	55	75.4	1.53	
Henrietta	101	62	81.5	1.45	
Highlands	85	50	68.1	1.95	
Horse Cove	89	61	74.4	3.36	
Kinston	105	60	84.2	2.35	
Linville	85	48	67.6	3.70	
Littleton	102	63	82.8	1.81	
Louisburg	100	64	82.4	1.22	
Lumberton	100	64	83.8	1.50	
Marion	103	60	80.1	2.70	
Marshall	95	54	76.5	2.69	
Mocksville	99	60	80.4	2.07	
Moncure	99	63	81.6	3.64	
Monroe	100	56	79.8	3.50	
Mountairy	98	58	77.6	2.50	
Murphy				2.78	
Newbern	99	61	82.8	5.40	
Oakridge	101	60	81.0	1.60	
Patterson *[1]	96	59	73.3	1.22	
Pittsboro	102	60	81.2	4.99	
Rockingham	103	62	83.2	1.16	
Roxboro	99	63	81.8	0.81	
Salem	101	61	81.4	2.78	
Salisbury	102	60	82.6	1.79	
Saxon	103	60	81.4	0.91	
Selma	105	60	83.4	1.80	
Settle	101	59	80.0	3.95	
Sloan	102	59	81.0	7.26	
Soapstone Mount	101	57	79.2	3.32	
Southern Pines *a*				3.88	
Southern Pines *b*	100	67	83.0	5.24	
Southport	100	64	83.3	2.83	
Springhope *[1]	96	70	81.5	3.59	
Tarboro	105	59	84.2	6.72	
Washington	105	64	85.2	6.24	
Waynesville	92	52	71.4	2.25	
Weldon *a*	99	64	82.4	2.65	
Weldon *b*				3.02	
North Dakota.					
Amenia	95[e]	43[e]	72.9[e]	5.55	
Ashley	110	43	70.4	3.50	
Berlin	100	41	70.5	7.06	
Buxton	91	44	70.4	5.52	
Churchs Ferry	92	40	67.9	9.33	
Coalharbor	106	43	70.4	4.11	
Devils Lake	92	48	70.4	7.56	
Dickinson	110	39	71.2	3.15	
Donnybrook				2.45	
Dunseith	91	36	66.7	3.85	
Ellendale	103	50	73.8	6.76	
Falconer	106	41	71.9	4.40	
Fargo	93	42	71.8	8.28	
Forman	103	48	74.3	9.48	
Fort Yates	110	48	73.2	6.26	
Fullerton	102	45	72.6	5.50	
Gallatin	96	36	70.4	2.82	
Glenullin	114	48	72.1	4.72	
Grafton	92	43	70.0	2.97	
Hamilton	95	46	69.8	4.25	
Hannaford	95	43	70.6	3.28	
Jamestown	99	36	70.8	8.84	
Langdon	89	34	66.8	3.30	
Larimore	92	40	69.0	7.45	
North Dakota—Cont'd.					
Lisbon	95	47	72.6	6.91	
McKinney	94	33	66.2	2.34	
Mayville	93			5.35	
Medora	114	42	71.4	4.36	
Melville	98	43	70.3	3.92	
Milton	87	37	66.3	4.05	
Minnewaukon	94	40	69.9	4.15	
Minot	100	39	69.6	3.01	
Minto	95	41	70.8	3.68	
Napoleon	108	44	70.6	6.85	
New England	108	39	69.8		
Oakdale	100	44	68.2		
Pembina	93	38	68.6	3.92	
Portal	94	38	65.4	2.85	
Power	97	40	71.6	6.04	
St. John	99	40	65.5	4.66	
Sheyenne	95	39	70.9	3.01	
Steele	104	41	72.1	2.17	
Towner	95	33	67.0	4.55	
University	92	44	70.6	6.98	
Wahpeton	96	44	73.7	8.41	
Willow City	95	37	68.8	2.57	
Ohio.					
Akron	95	51	75.2	3.79	
Annapolis	101[g]	41[g]	77.8[g]		
Ashland	95	50	75.8	5.85	
Ashtabula	90	51	72.8	1.85	
Atwater				2.41	
Bangorville	99	56	76.2	5.02	
Bellefontaine	93	61	75.6	3.43	
Bement				2.57	
Benton Ridge	98	54	75.6	4.69	
Bethany	101	57	78.8	4.02	
Bigprairie	94	50	74.4	8.30	
Binola				3.64	
Bladensburg [f]	98	49	75.6	3.10	
Bloomingburg	96	56	77.2	2.53	
Bowling Green	96	51	75.4	4.24	
Bucyrus	100	51	76.4	4.63	
Cambridge	98	45	73.8	3.08	
Camp Dennison	96	59	79.2	4 18	
Canal Dover	95	49	75.1	2 99	
Canton	95	50	75.3	3.61	
Cardington	98	51	76.2	3.78	
Cedarville				4.05	
Celina	96	54	76.6	4.18	
Chillicothe	100	55	79.2	4.52	
Circleville	96	55	77.2	3.30	
Clarksville	95	63	77.8	5.17	
Cleveland *a*	91	55	74.4	2.34	
Cleveland *b*	92	56	75.4	1.72	
Clifton	97	55	77.2	3.56	
Coalton	101	50	77.4	3.90	
Colebrook	92	44	71.6	1.65	
Dayton *a*				5.13	
Dayton *b*	99	57	79.2	4.56	
Defiance	94	51	74.6	2.58	
Delaware	98	52	76.4	5.69	
Demos	96	56	76.2	3.78	
Elyria	98	52	75.2	3.43	
Findlay	99	51	78.2	6.27	
Frankfort	97	58	76.3	4.45	
Garrettsville	95	43	73.3	2.19	
Granville	97	50	76.0	3.86	
Gratiot	94	53	74.9	3.92	
Green	97	57	78.8	1.38	
Greenfield	95	61	78 3	3.80	
Greenhill	94	44	73.0	3.65	
Greenville	89	60	75.3	3.13	
Hanging Rock	99	55	78.8	3.49	
Hedges	103	52	78.0	2.85	
Hillhouse	92	47	71.5	2.72	
Hillsboro	96	54	76.4	3.64	
Hiram	93	50	74.1		
Hudson	97	47	74.1	2.05	
Jacksonboro	100	61	80.4	2.90	
Kenton	99	59	78.5	3.41	
Killbuck	94	51	74.9	5.95	
Lancaster	96	54	76.3	2.48	
Leipsic	95	52	75.0	2.45	
Logan		54		1.72	
Lowell	102	54	77.8	3.38	
McConnelsville	100	52	77.4	3.34	
Mansfield				4.65	
Marietta	94	57	77.8	3.70	
Marion	101	55	76.7	4.52	
Medina	97	48	75.0	3.21	
Milfordton	95	51	75.0	4.76	
Milligan	100	47	75.4	3.06	
Millport	95	45	73.4	3.81	
Montpelier	94	55	75.8	2.16	
Napoleon	93	54	76.4	2.80	
Neapolis				3.88	
New Alexandria	96	52	75.8	4.48	
New Berlin	98	48	75.8	3.40	
New Bremen	95	60	77.3	4.09	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Ohio—Cont'd.	°	°	°	*Ins.*	*Ins.*
New Holland	99	55	78.4	5.09	
New Paris	92	59	75.7	3.38	
New Richmond	98	60	79.7	5.03	
New Waterford	97	48	74.2	3.83	
North Lewisburg	98	53	76.8	4.20	
North Royalton	97	52	75.8	3.71	
Norwalk	99	50	75.6	6.94	
Oberlin	96[d]	47[e]	74.6[e]	2.98	
Ohio State University	96	54	77.2	3.28	
Orangeville	95	43	72.8	1.15	
Ottawa	98	55	77.4	3.16	
Pataskala	98	50	77.1	3.05	
Philo	99	52	76.9	2.23	
Plattsburg	94	57	76.5	2.65	
Pomeroy	100	53	78.4	4.73	
Portsmouth *a*	.....	.....	.....	3.44	
Portsmouth *b*	97	58	79.5	3.34	
Pulse	.....	.....	.....	3.25	
Richwood	100	51	78.8	3.38	
Ridgeville Corners	.....	.....	.....	1.41	
Ripley	98	58	78.8	1.80	
Rittman	93	49	73.6	4.27	
Rockyridge	97	54	76.3	2.42	
Rosewood	96	58	76.4	4.91	
Shenandoah	96	50	74.6	6.67	
Sidney	100	58	78.8	3.98	
Sinking Spring	99	55	78.0	3.70	
Somerset	99	57	78.4	2.64	
Springboro	.....	.....	.....	5.05	
Strongsville	.....	.....	.....	2.49	
Thurman	103	55	78.4	3.01	
Tiffin	93	57	76.0	4.39	
Upper Sandusky	95	55	76.2	5.06	
Urbana	92	57	75.6	3.33	
Vanwert	97	58	76.6	5.74	
Vermillion	95	40	74.6	4.14	
Vickery	98	53	76.4	2.72	
Walnut	.....	.....	.....	4.25	
Warren	95	46	74.2	2.80	
Warsaw	96	47	74.8	8.71	
Wauseon	98	53	77.4	2.97	
Waverly	101	56	79.8	5.22	
Waynesville	94[f]	56[f]	76.6[f]	6.56	
Wellington	96	50	74.9	3.81	
Westerville	92	56	75.8	5.20	
Willoughby	.....	.....	.....	1.43	
Wooster	94	49	73.9	5.97	
Youngstown	.....	.....	.....	2.25	
Zanesville	.....	.....	.....	3.49	
Oklahoma.					
Arapaho	107	61	81.8	1.42	
Beaver	106	.....	.....	0.65	
Burnett	102	56	81.4	3.36	
Clifton	103	58	82.4	1.70	
Fort Reno	99	57	79.7	2.53	
Fort Sill	103	62	80.8	1.70	
Guthrie	101	64	82.4	0.92	
Hennessey	104	60	83.0	1.15	
Jefferson	106	58	82.8	0.54	
Jenkins	102	57	81.7	0.33	
Kingfisher	102	62	82.1	1.54	
Newkirk[e]	104	61	84.0	2.50	
Norman	100	60	79.4	1.51	
Osage	106	58	84.0	2.59	
Prudence	109	62	83.4	1.39	
Sac and Fox Agency	104	60	79.8	5.70	
Stillwater	101	60	83.2	1.39	
Taloga	105	62	85.0	0.56	
Waukomis	104	59	82.3	0.96	
Woodward	104	60	83.2	0.70	
Oregon.					
Albany *b*	.....	.....	.....	0.54	
Alpha	82	37	61.1	0.21	
Arlington	99	57	72.4	.....	
Ashland *b*	88	39	64.7	0.36	
Aurora *[1]	82	50	64.6	0.00	
Aurora (near)	81	40	61.2	0.51	
Bandon	72	39	59.0	0.18	
Bay City	71	41	57.8	2.59	
Blalock	96	49	71.0	0.38	
Brownsville *[1]	88	52	65.5	0.10	
Bullrun	72	44	58.9	2.32	
Burns	90	30	59.1	0.17	
Cascade Locks	82	45	64.8	1.32	
Comstock *[1]	83	49	62.8	0.00	
Coquille	.....	.....	.....	0.03	
Corvallis	82	37	61.4	0.20	
Dayville	90	38	63.3	0.92	
Ella	.....	.....	.....	0.37	
Fairview	86	46	65.3	0.35	
Falls City	83	38	60.4	0.28	
Gardiner	76	50	61.9	0.51	
Glenora	86	39	59.8	1.33	
Government Camp	77	31	50.7	3.31	
Grants Pass	91	41	64.5	0.31	
Happy Valley	88	28	57.2	0.73	
Oregon—Cont'd.		c		*Ins.*	*Ins.*
Hare	73	46	58.5	0.08	
Hood River (near)	90	41	63.6	0.29	
Jacksonville	89	44	67.8	0.76	
Joseph	88	30	56.6	1.79	
Junction City *[1]	84	48	64.0	0.07	
Kerby	91	38	64.3	0.21	
Lafayette *[1]	85	55	67.2	0.65	
Lagrande	86	39	63.0	1.15	
Lonerock	86	28	74.2	1.05	
Merlin *[1]	91	53	67.6	0.00	
Monmouth *a* *[1]	82	54	64.4	0.32	
Monroe	84	41	63.1	0.08	
Mount Angel	83	47	64.0	0.23	
Nehalem	.....	.....	.....	2.96	
Newberg	85	37	62.3	0.10	
Newbridge	95	32	61.6	0.95	
Newport	71	46	58.7	0.69	
Pendleton	97	42	69.0	1.01	
Placer	.....	.....	.....	0.32	
Prineville	91	30	59.8	0.45	
Riddles *[1]	86	50	65.7	T.	
Riverside	95	31	64.3	0.50	
Salem *b*	92	40	67.2	0.00	
Sheridan *[1]	80	53	63.3	0.67	
Silverlake	96	27	57.8	0.45	
Silverton *[1]	84	58	67.7	0.42	
Siskiyou *[1]	82	44	66.0	0.00	
Sparta	89	31	59.4	0.33	
Springfield *[1]	81	51	64.4	0.24	
Stafford	89	43	63.4	1.03	
The Dalles	88	45	66.6	0.55	
Toledo	76	41	57.0	0.27	
Umatilla	.....	.....	.....	0.43	
Vale	94	36	64.0	0.59	
Vernonia	85	37	60.4	0.85	
Westfork *[1]	90	48	65.7	0.25	
Weston	92	36	62.9	1.45	
Williams	86	39	61.2	0.22	
Pennsylvania.					
Altoona	97	46	74.2	3.90	
Athens	103	41	75.1	1.48	
Beaver Dam	.....	.....	.....	4.02	
Brookville	.....	.....	.....	3.45	
Browers Lock	.....	.....	.....	4.15	
Butler	95	45	73.9	4.20	
Cassandra	91	44	71.4	4.41	
Centerhall	94	45	74.0	2.56	
Chambersburg	99	50	76.9	4.60	
Coatesville	101	53	78.4	5.60	
Confluence	94	50	74.8	2.38	
Coopersburg	93	54	74.8	2.33	
Davis Island Dam	.....	.....	.....	1.31	
Derry Station	99	47	78.2	1.85	
Driftwood	.....	.....	.....	3.61	
Duncannon	.....	.....	.....	3.96	
Dushore	96	38	69.6	2.25	
East Bloomsburg	.....	.....	.....	3.23	
East Mauch Chunk	99	49	75.2	2.90	
Easton	93	53	75.4	3.55	
Emporium	93	44	71.8	3.50	
Ephrata	100	51	77.4	3.23	
Everett	94	52	75.4	5.50	
Forks of Neshaminy *[1]	94[c]	62[c]	75.2[c]	2.60	
Franklin	94	44	73.3	2.18	
Freeport	.....	.....	.....	2.27	
Girardville	.....	.....	.....	4.77	
Greensboro	96	53	76.2	2.86	
Hamburg	.....	.....	.....	4.30	
Hawthorn	97	46	75.2	5.53	
Hews Island Dam	.....	.....	.....	0.97	
Huntingdon *a*	102	45	76.1	2.61	
Huntingdon *b*	.....	.....	.....	1.78	
Irwin	.....	.....	.....	1.61	
Johnstown	98	52	76.6	4.41	
Karthaus	.....	.....	.....	0.72	
Keating	.....	.....	.....	3.28	
Kennett Square	100	53	77.3	4.59	
Lawrenceville	98	38[e]	71.8[e]	2.05	
Lebanon	103	49	76.9	4.26	
Leroy	95	50	73.1	2.14	
Lewisburg	99	47	75.8	4.08	
Lockhaven *a*	102	47	77.0	4.37	
Lockhaven *b*	.....	.....	.....	4.45	
Lock No. 4	.....	.....	.....	1.83	
Lycippus	93	51	75.8	3.51	
Mifflin	.....	.....	.....	2.25	
Oil City	.....	.....	.....	2.65	
Parker	.....	.....	.....	3.30	
Philadelphia	101	59	78.8	3.79	
Quakertown	97	51	75.5	3.93	
Reading[2]	.....	.....	75.3	3.01	
Renovo *a*	.....	.....	.....	4.65	
Renovo *b*	98	45	75.2	4.68	
Saegerstown	98	41	72.8	1.74	
St. Marys	93	40	71.6	4.78	
Scranton	97	44	72.8	1.27	
Pennsylvania—Cont'd.	°	°	°	*Ins.*	*Ins.*
Selinsgrove	100	48	76.5	2.38	
Shawmont	.....	.....	.....	4.26	
Sinnamahoning	.....	.....	.....	0.42	
Smethport	95	38	70.4	2.90	
Somerset	94	46	71.8	4.80	
South Eaton	97	46	73.8	1.93	
State College	95	48	74.6	2.95	
Swarthmore	97	55	77.0	3.79	
Swiftwater	90	48	70.0	2.31	
Towanda	99	42	73.7	3.44	
Troutrun	.....	.....	.....	1.91	
Uniontown	93	54	75.2	5.20	
Warren	90	44	70.4	3.63	
Wellsboro	96	41	71.7	3.67	
Westchester	97	57	76.6	5.78	
West Newton	.....	.....	.....	1.90	
Wilkesbarre	99	45	74.8	3.16	
Williamsport	98	49	75.2	2.89	
York	102	48	77.4	4.09	
Rhode Island.					
Bristol	88	54	71.0	2.07	
Kingston	97	46	70.4	2.17	
Pawtucket	97	51	74.6	2.35	
Providence *a*	99	53	74.8	3.13	
Providence *c*	96	50	72.4	3.27	
South Carolina.					
Allendale	97	62	82.6	0.28	
Batesburg	105	65	84.3	0.84	
Beaufort	102	69	84.2	3.35	
Blackville	104	65	84.2	2.21	
Camden	.....	.....	.....	2.31	
Cheraw *a*	103	64	83.6	0.63	
Cheraw *b*	.....	.....	.....	0.27	
Clemson College	102	64	81.7	3.43	
Conway	.....	.....	.....	3.13	
Darlington	.....	.....	.....	2.53	
Edisto	.....	.....	.....	0.56	
Effingham	.....	.....	.....	1.48	
Florence	100	67	84.4	2.17	
Gaffney	.....	.....	.....	1.75	
Georgetown	99	67	83.1	3.05	
Gillisonville	105	61	84.5	2.69	
Greenville	97	62	80.3	1.39	
Greenwood	104	67	83.6	1.17	
Holland	99	60	79.4	1.90	
Kingstree *a*	98	65	81.9	1.46	
Kingstree *b*	.....	.....	.....	1.86	
Liberty	102	63	81.7	2.55	
Little Mountain	105	67	84.6	3.43	
Longshore	106	64	83.5	2.00	
Pinopolis *[1]	97	69	81.5	2.34	
St. George	102	66	84.1	0.85	
St. Matthews	102	68	84.9	1.32	
St. Stephens	.....	.....	.....	3.83	
Santuck	105	63	82.8	2.27	
Shaws Fork	104	62	83.1	1.11	
Smiths Mills	.....	.....	.....	2.34	
Societyhill	99	66	83.0	4.11	
Spartanburg	99	64	81.6	1.72	
Statesburg	105	67	84.9	1.83	
Summerville	97	65	81.5	3.29	
Temperance	105	62	84.4	3.26	
Trenton	101[d]	71[d]	84.3[d]	2.38	
Trial	101	62	80.3	3.65	
Walhalla	97	63	79.5	2.13	
Winnsboro	97	67	80.2	0.77	
Winthrop College	100	62	83.0	1.59	
Yemassee	103	67	85.3	5.55	
Yorkville	103	70	85.2	1.63	
South Dakota.					
Aberdeen	111	52	75.1	5.45	
Academy	102	55	77.4	4.86	
Alexandria	101	53	79.4	4.46	
Armour	95	52	77.5	2.44	
Ashcroft	114	40	70.8	2.21	
Bowdle	114	48	74.4	6.93	
Brookings	100	52	74.1	4.00	
Canton	97	52	77.0	1.53	
Centerville	.....	.....	.....	3.98	
Chamberlain	105	56	78.1	4.22	
Clark	96	51	73.6	10.35	
Desmet	99	52	73.8	6.91	
Doland	102	51	74.8	7.08	
Elkpoint	100	54	78.0	5.00	
Farmingdale	.....	.....	.....	2.19	
Faulkton	110	53	74.8	4.22	
Flandreau	96	49	73.8	2.57	
Forestburg	104	52	77.3	2.80	
Forest City	114	55	78.6	2.10	
Fort Meade	109	56	75.2	1.90	
Gannvalley	105	56	77.2	8.80	
Gary	102	60	80.4	3.35	
Greenwood	102	57	79.6	3.40	
Hartman	94	50	75.0	2.25	
Highmore	.....	.....	.....	7.56	
Hitchcock	.....	.....	.....	8.75	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
South Dakota—Cont'd.	°	°	°	*Ins.*	*Ins.*
Hotch City	108	50	76.7	4.09	
Hot Springs	104	48	74.1	2.00	
Howard	99	52	73.8	1.82	
Interior	110	48	77.0	0.90	
Ipswich	113	50	75.4	4.10	
Kimball	101	54[g]	75.4[d]	4.53	
Leola	108	49	72.3	4.50	
Leslie	115	45	76.8	0 95	
Mellette	106	51	75.1	4.18	
Menno	100	54	77.1	4 08	
Millbank	102	53	74.8	5.26	
Mitchell	101	51	75.9	3.51	
Oelrichs	107	46	75.5	1.55	
Parker	97	53	75.6	3.03	
Plankinton	98	53	75.8	4.35	
Redfield	105	52	74.9	9.32	
St. Lawrence	107	51	73.5	7.75	
Shiloh	113	47	76.2	2.79	
Silver City	.....	.....	.....	2.13	
Sioux Falls	98	51	74.9	3.26	
Sisseton Agency	99	50	73.8	7.16	
Spearfish	104	48	70.8	2.36	
Tyndall	100	55	77.9	2.80	
Watertown	99	50	73.8	7.67	
Waubay	99	48	72.0	4.80	
Wentworth	96	51	74.9	2.83	
Wolsey	.....	.....	.....	7.34	
Tennessee.					
Andersonville	96	61	78.3	1.27	
Arlington	96	63	80.5	0.69	
Ashwood	98	60	80.2	2.73	
Benton	97	63	79.8	1.75	
Bluff City	.....	.....	.....	2.88	
Bolivar	97	63	81.2	0.82	
Bristol	94	59	75.8	2.98	
Brownsville	98	64	82.2	0.75	
Byrdstown	94	60	78.4	1.08	
Carthage	98	.....	.....	3.75	
Clarksville	96	63	81.0	0.53	
Clinton	.....	.....	.....	0.74	
Covington	97	64	82.8	0.46	
Dickson	98	61	80.4	T.	
Dyersburg	98	64	82.6	0.87	
Elizabethton	98	58	76.4	4.40	
Elk Valley	95	59	76.8	2.10	
Erasmus	96	.....	.....	2.33	
Florence	94	53	79.6	1.70	
Franklin	96	62	80.0	1.40	
Greeneville	97	58	76.2	3.50	
Harriman	96	63	79.0	2.73	
Hohenwald	98	57[j]	78.0[e]	2.27	
Iron City	98	61	79.8	3.89	
Johnsonville	100	59	80.8	0.73	
Jonesboro*[1]	92	67	75.2	4.53	
Kingston	.....	.....	.....	1.25	
Lewisburg	100	61	81.5	2.31	
Lynnville	99	62	81.0	3.59	
McKenzie	100	65	82.8	2.20	
McMinnville	97	61	79.2	0.90	
Maryville*[5]	100	63	80.8	2.62	
Milan	100	64	83.0	1.09	
Newport	94	61	78.6	2.15	
Nunnelly	97	59	79.8	2.32	
Oakhill	98	59	79.8	2.53	
Palmetto	101	62	80.7	2.72	
Peryear	.....	.....	.....	0.50	
Pope	101	56	79.5	2.29	
Rogersville	92	61	76.2	1.72	
Rugby	96	56	76.9	1.71	
Savannah	100	64	81.6	3.95	
Sewanee	94	65	78.1	2.07	
Silverlake	88	52	70.6	4.70	
Springfield	101	60	81.6	0.40	
Tazewell	.....	.....	.....	1.89	
Tellico Plains	100	60	80.0	2.77	
Tracy City	104	59	77.2	3.49	
Trenton	100	62	81.5	1.24	
Tullahoma	95	62	78.0	1.10	
Union City	96	66	82.2	1.05	
Wildersville	94	62	79.8	4.51	
Yukon	97	65	79.4	3.68	
Texas.					
Alpine	97	54	77.1	3.61	
Alvin	.....	.....	.....	8.82	
Anna	97	63	79.4	2.66	
Anson	.....	.....	.....	1.60	
Arthur	.....	.....	.....	2.14	
Austin *a*	96	65	77.6	2.90	
Austin *b*[6]	96	65	79.4	.....	
Ballinger	101	67	80.2	4.12	
Beaumont	96	70	82.6	7.11	
Beeville	98	65	80.0	5.55	
Bigspring	.....	.....	.....	1.65	
Blanco	97	64	80.2	5.80	
Boerne*[1]	94	70	79.1	2.46	
Brazoria	92	69	80.8	12.63	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Texas—Cont'd	°	°	°	*Ins.*	*Ins.*
Brenham	93	70	81.2	4.61	
Brighton	99	72	83.0	4.57	
Brownwood	102	68	84.0	2.39	
Burnet*[1]	92	69	78.8	3.72	
Camp Eagle Pass	103	67	84.6	2.56	
Coleman	99	64	79.2	1.03	
Colorado	.....	.....	.....	1.61	
Columbia	93	67	80.0	11.03	
Corsicana	98	67	82.4	6.41	
Cuero	98	70	83.0	3.67	
Dallas	97	65	80.4	2.46	
Danevang	96	68	82.0	9.14	
Dublin	97	64	80.2	1.26	
Duval	92	68	80.0	3.90	
Emory	98	62	81.6	3.68	
Estelle	98	65	81.6	4.57	
Forestburg	.....	.....	.....	0.50	
Fort Brown	100	71	86.8	0.20	
Fort McIntosh	102	64	85.0	2.52	
Fort Ringgold	101	73	87.6	0.00	
Fort Stockton	.....	.....	.....	2.65	
Fredericksburg*[1]	94[c]	71	79.4[c]	1.94	
Gainesville	99	68	80.6	2.02	
Grapevine	95	65	84.4	4.00	
Greenville	101	66	82.6	3.63	
Hale Center	94	61	75.7	3.14	
Hallettsville	95	71	81.8	3.69	
Haskell	.....	.....	.....	2.47	
Hearne	98	67	82.4	6.55	
Henrietta	105	64	83.6	0.17	
Hewitt	.....	.....	.....	1.60	
Hondo	.....	.....	.....	2.60	
Houston	95	67	81.8	10.74	
Hulen	98[j]	69	83.0[e]	8.65	
Huntsville	94	67	81.8	8.87	
Ira	104	64	79.8	2.57	
Jacksonville	93	67	79.8	3.20	
Jasper	93	70	80.8	6.39	
Kaufman	98	66	82.8	.....	
Kent	.....	.....	.....	0.80	
Kerrville	97	64	82.8	2.68	
Lampasas	98	63	81.7	3.89	
Langtry	100	64	84.1	1.30	
Laureles Ranch	.....	.....	.....	1.98	
Llano*[6]	97	72	81.6	4.10	
Longview	98	68	83.4	1.28	
Luling	97	68	82.1	2.91	
Mann	95	66	80.3	4.91	
Nacogdoches	103	66	83.8	3.28	
New Braunfels	96	68	81.8	2.73	
Panter	.....	.....	.....	1.93	
Paris *a*	102	66	83 3	0.25	
Point Isabel*[1]	94	82	85.4	0.25	
Rhineland	103	65	83.8	1.53	
Rockisland	95	69	80.8	7.45	
Rockport*[1]	86	70	78.6	.....	
Runge	97	69	82.4	3.48	
Sabine	96	71	83.8	7.67	
Saginaw*[1]	100	66	80.6	1 90	
San Antonio	98	70	83.8	4.19	
Sanderson	95	70	83.4	2.95	
San Marcos	97	65	82.2	2.41	
Santa Gertrudes Ranch	.....	.....	.....	3.74	
Sherman	95	66	81.7	3.55	
Sugarland	94	66	80.6	9.45	
Sulphur Springs	97	67	81.6	1.29	
Temple *b*	96	.....	.....	4.29	
Trinity	96	67	81.8	3.04	
Tulia	.....	.....	.....	2.30	
Turnersville	91	65	78.8	5.04	
Tyler	98[d]	70	82.8	3.74	
Valentine	102	64	81.3	1.10	
Victoria	.....	.....	.....	5.64	
Waco	98	70	84.1	2.83	
Waxahachie	100	67	82.4	3.80	
Weatherford	99	65	81.8	1.74	
Wichita Falls	.....	.....	.....	2.67	
Utah.					
Alpine	.....	.....	.....	0.43	
Bluecreek*[1]	100	55	72.8	0.16	
Castledale	95	41	67.2	0.23	
Cisco	.....	.....	.....	0.00	
Corinne	99	47	72.0	0.40	
Deseret	104	40	70.8	T.	
Farmington	.....	.....	.....	0.22	
Fillmore	105	44	73.2	0.14	
Fishsprings	97	53	75.2	T.	
Fort Duchesne	101	37	68.7	0.40	
Frisco	97	48	70.6	0.05	
Giles	106	43	73.6	0 39	
Green River	104	43	72.2	0.66	
Grover	92	40	65.7	0.68	
Heber	96	30	62.2	0.31	
Henefer	91	26	59.4	0.56	
Hite	109	57	80.2	0.12	
Holyoake	105	42	75.4	0.02	

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
Utah—Cont'd.	°	°	°	*Ins.*	*Ins.*
Huntsville	.....	.....	.....	0.32	
Kanab	.....	.....	.....	0.00	
Kelton*[1]	98	58	71.6	T.	
Levan	96	42	68.2	0.28	
Loa	91	26	57.1	0.74	
Logan	94	48	69.4	0.71	
Meadowville	.....	.....	.....	0.30	
Millville	.....	.....	.....	0.34	
Moab	104	46	74.2	0.37	
Mount Pleasant	98	41	67.0	0.16	
Ogden*[1]	97	57	74.7	0.28	
Park City	86	40	63.5	0.32	
Parowan	97	42	67.1	0.84	
Pinto	94	31	62.4	0.08	
Promontory	.....	.....	.....	0.20	
Richfield	90	35	62.4	0.07	
St. George	106	44	74.8	0.51	
Scipio	98	35	68.2	0.37	
Snowville	94	40	66.0	0.12	
Soldier Summit	95	29	59.8	0.39	
Thistle	104	33	68.0	0.46	
Tooele	95	50	73.4	0.36	
Tropic	95	30	60.1	0.76	
Vernal	98	40	68.3	0.22	
Wellington	99	33	64.9	1.11	
Woodruff	94	31	59.0	0.26	
Vermont.					
Bennington	93	40	70.2	5.33	
Burlington	91	54	70.6	5.25	
Chelsea	86	43	64.4	4.55	
Cornwall	95	51	70.6	4.13	
Derby	87	42	63.6	3.18	
Enosburg Falls	91	41	65.6	3.41	
Hartland	91	39	65.8	3.61	
Jacksonville	89	37	65.4	4.58	
Manchester	90	42	67.3	5.43	
Norwich	93	40	66.2	2.93	
St. Johnsbury	88	41	65.0	3.42	
Vernon*[6]	94	54	71.1	3.70	
Wells	91	45	68.0	3.92	
Woodstock	90	41	66.7	3.80	
Virginia.					
Alexandria	102	59	81.4	3.49	
Ashland	105	60	82.3	1.21	
Barboursville	101	59	31.0	2.72	
Bedford	100[h]	61	80.5[e]	1.31	
Bigstone Gap	95	54	76.2	4.93	
Birdsnest*[1]	89	64	78.0	0.55	
Blacksburg	96	50	73.2	1.80	
Bon Air	102	63	81.9	1.15	
Buckingham	105	57	80.6	2.22	
Burkes Garden	89	47	69.4	2.86	
Callaville	98	63	81.2	1.13	
Christiansburg	.....	.....	.....	2.38	
Clarksville	.....	.....	.....	1.97	
Columbia	.....	.....	.....	0.42	
Dale Enterprise	100	50	76.5	2.44	
Danville	.....	.....	.....	0.13	
Doswell	101	51	80.2	0.92	
Farmville	103	62	81.7	1.82	
Fontella	105	63	83.0	1.27	
Fredericksburg	100	62	81.3	0.96	
Freeling	93	49	70.7	4.70	
Grahams Forge	94[d]	53[d]	73.9[d]	0.51	
Hampton	95	66	81.6	2.38	
Hot Springs	91	48	71.8	1.79	
Lexington	97	59	78.0	1.12	
Manassas	99	58	79.5	0.83	
Marion	98	52	75.0[e]	2.79	
Meadowdale	90	48	71.4	3.63	
Newport News	100	66	84.9	3.30	
Petersburg	102	62	81.4	2.42	
Radford	.....	.....	.....	1.01	
Rockymount[d]	100	60	80.4	0.70	
Salem	100	60	80.0	0.33	
Speers Ferry	.....	.....	.....	4.82	
Spottsville	100	58	80.8	4.10	
Stanardsville	101	57	80.4	0.97	
Staunton	102	56	79.2	2.34	
Stephens City	98	56	78.4	1.21	
Sunbeam	99	60	80.6	5.23	
Warrenton	98	57	78.2	1.24	
Warsaw	102	59	80.9	1.54	
Westpoint	97	61	79.4	1.80	
Woodstock	101	58	78.0	2.54	
Wytheville	97	53	76.1	1.86	
Washington.					
Ashford	.....	.....	.....	3.04	
Bremerton	83	45	62 6	0.59	
Bridgeport[c]	100	41	68.8	T.	
Brinnon	78	48	61.8	0.55	
Cedar Lake	.....	.....	.....	3.30	
Cedonia	85	32	59.0	1.05	
Centerville	90	29	62.2	0.59	
Chehalis	85	40	61.4	1.08	
Cheney	.....	.....	.....	0.61	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.) Maximum.	Minimum.	Mean.	Precipitation. Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Washington—Cont'd.					
Clearwater	75	42	60.4	4.05	
Cle Elum	86	38	60.0	0.80	
Colfax	93	37	63.6	1.39	
Colville	90	31	60.2	1.40	
Conconully	86	31	60.8	0.74	
Connell	.....	.....	.....	0.11	
Coulee City	90	40	66.8	0.40	
Coupeville	77	43	59.4	1.90	
Crescent	92	33	64.0	1.52	
Dayton	103	37	70.0	0.70	
Ellensburg	85	36	61.6	0.23	
Ellensburg (near)	94	42	64.2	0.05	
Grandmound	81	44	62.9	0.69	
Granite Falls	.....	.....	.....	3.33	
Hooper	103	40	68.1	0.67	
Issaquah	.....	.....	.....	0.67	
Lacenter	84	43	62.4	1.25	
Lakeside	89	46	68.3	0.14	
Mayfield [1]	76	40	55.8	0.70	
Mottinger Ranch	96	48	70.2	0.53	
Mount Pleasant	83	45	62.9	1.92	
Moxee Valley	91	37	64.0	0.25	
New Whatcom	73	39	59.2	1.44	
Northport	90	34	60.0	1.57	
Olga	75	40	57.0	1.37	
Olympia	82	39	61.0	0.68	
Pasco	96	46	74.0	0.34	
Pinehill	93	40	67.4	0.12	
Port Townsend	76	44	59.3	1.02	
Pullman	88	37	60.5	1.04	
Renton	.....	.....	.....	0.39	
Republic	90	28	60.4	0.65	
Ritzville	.....	.....	.....	0.08	
Rosalia	90	32	60.9	0.82	
Sedro	80	37	59.4	2.64	
Shoalwater Bay * [10]	77	50	61.0	.....	
Snohomish	79	46	60.7	1.22	
Southbend	84	44	60.9	2.84	
Sprague	.....	.....	.....	0.11	
Sunnyside	91	41	66.2	0.26	
Twin	76	42	55.9	0.61	
Union	79	40	61.4	0.47	
Usk	96	34	60.6	1.50	
Vancouver	81	41	62.0	0.32	
Vashon	80	47	61.2	0.38	
Waterville	90	29	61.4	1.15	
Wenatchee (near)	89	38	63.6	0.30	
Westsound	82	37	60.5	0.73	
Wilbur	91	34	61.6	0.07	
West Virginia.					
Beckley	90	60	74.4	1.84	
Beverly	96	48	74.8	3.24	
Bluefield	93	53	73.0	3.52	
Buckhannon	.....	.....	.....	2.57	
Burlington	100	50	76.0	1.03	
Central	98	50	76.0	2.09	
Chapel	.....	.....	.....	4.41	
Charleston	.....	.....	.....	3.34	
Clay	.....	.....	.....	2.20	
Dayton	97	49	75.3	2.50	
Eastbank	94	60	76.5	1.47	
Elkhorn	94	55	74.0	3.42	
Fairmont	.....	.....	.....	3.45	
Glenville	99	53	77.8	2.39	
Grafton	96	50	74.4	5.40	
Green Sulphur Springs	92	58	74.6	2.42	
Harpers Ferry	.....	.....	.....	2.29	
Hinton *a*	.....	.....	.....	3.24	
Hinton *b*	96	58	76.6	.....	
Huntington	97	57	78.7	4.44	
Lewisburg	95	51	73.8	1.68	
Marlinton	89	49	72.0	2.42	
Martinsburg	100	54	77.6	2.60	
Morgantown	97	52	76.9	4.33	
New Martinsville	99	52	77.8	3.30	
Nuttallburg	94	53	74.0	2.80	
Oceana	97	54	76.2	5.56	
Parsons	91	50	72.9	3.10	
Philippi *a*	96	47	75.0	2.18	
Philippi *b*	.....	.....	.....	3.18	
Point Pleasant	99	51	78.4	4.14	
Princeton	90	55	72.8	3.75	
Romney	98	51	77.0	1.07	
Rowlesburg	.....	.....	.....	4.88	
Southside	97	57	78.6	2.56	
Spencer	99	50	77.6	2.88	
Terra Alta	89	60	74.0	7.20	
Uppertract	98	49	75.8	2.48	
Wellsburg	91	50	74.7	4.11	
Weston *a*	.....	.....	.....	2.98	
Weston *b*	98	52	77.7	.....	
Wheeling *a*	.....	.....	.....	2.28	
Wheeling *b*	100	60	82.0	2.36	
Wisconsin.					
Amherst	94	56	74.0	4.45	
Ashland	.....	.....	.....	4.80	
Wisconsin—Cont'd.					
Barron	96	44	72.4	7.64	
Bayfield	94	56	73.5	5.80	
Beloit	94	56	75.5	5.11	
Brodhead	96	55	74.4	6.64	
Butternut	90	42	69.9	8.86	
Casco	95	53	73.6	2.37	
Citypoint	96	55	75.6	1.92	
Delavan	99	47	72.8	2.75	
Dodgeville	95	53	75.0	2.15	
Easton	94	46	75.0	3.93	
Eau Claire	97	52	76.5	3.37	
Florence	92	37	69.7	4.75	
Fond du Lac	94	54	74.6	5.49	
Grand River Locks	.....	.....	.....	3.76	
Grantsburg	94	41	74.8	9.43	
Gratiot	94	63	78.6	8.85	
Hartford	98	55	76.2	3.29	
Hartland	94	56	75.5	3.62	
Harvey	95	55	75.8	3.92	
Hayward	94	45	75.2	8.36	
Heafford	92	45	71.8	4.42	
Hillsboro	95	46	74.8	2.41	
Knapp	95	41	73.2	4.34	
Koepenick * [1]	88	58	69.5	5.50	
Lancaster	93	55	75.0	4.01	
Madison	90	59	75.2	2.72	
Manitowoc	95	57	71.6	3.12	
Meadow Valley	97	43	74.2	2.39	
Medford	100	44	75.0	6.40	
Menasha	.....	.....	.....	1.72	
Neillsville	94	47	74.3	4.19	
New London	97	54	75.2	2.98	
Oconto	97	52	74.4	3.39	
Osceola	95	46	73.8	7.96	
Pepin	97	48	77.6	2.45	
Pine River	95	50	74.0	4.13	
Portage	93	54	74.6	4.05	
Port Washington	97	51	72.4	3.51	
Prairie du Chien *a*	98	55	79.2	2.06	
Prairie du Chien *b*	.....	.....	.....	2.08	
Prentice	91	49	71.8	7.28	
Racine	96	59	74.6	5.65	
Shawano	96	54	74.4	4.11	
Sheboygan	97	58	74.0	3.81	
Stevens Point	95[e]	48[e]	72.6[e]	1.32	
Sturgeon Bay Canal * [10]	92	59	68.9	.....	
Two Rivers * [10]	94	60	72.4	.....	
Valley Junction	93	42	74.2	3.89	
Viroqua	92	53	74.6	4.03	
Watertown	96	53	74.4	2.82	
Waukesha	92	56	74.1	5.67	
Waupaca	.....	.....	.....	4.34	
Westfield	94	54	74.8	2.53	
Whitehall	92	49	74.5	3.16	
Wyoming.					
Alcova	103	42	71.6	T.	
Basin	103	42	73.8	0.15	
Bedford	91	30	59.2	0.57	
Bitter Creek	108	30	67.8	T.	
Buffalo	104	44	70.1	0.18	
Burlington	101	41	69.8	T.	
Carbon [j]	96	38	65.6	0.15	
Centennial	83	33	58.5	1.15	
Cody	101	40	69.7	0.32	
Daniel	81	23	52.6	1.05	
Dome Lake	77	34	52.6	0.60	
Embar [c]	96	40	69.0	.....	
Evanston	87	32	58.5	0.52	
Fort Laramie	103	40	72.6	0.34	
Fort Washakie	95	38	65.2	0.70	
Fort Yellowstone	93	38	60.6	0.28	
Fourbear	86	33	59.5	0.74	
Hyattville	98	41	66.8	0.00	
Iron Mountain	91	34	65.2	0.50	
Laramie	89	36	62.4	0.61	
Lovell	99	38	67.6	0.05	
Lusk	95	40	69.4	0.06	
Parkman	102	42	67.3	0.42	
Pinebluff	99	.....	.....	0.27	
Rawlins	95	35	64.1	0.07	
Saratoga	95	38	64.6	0.64	
Sheridan	100	40	66.4	0.66	
South Pass City	84	38	61.6	0.42	
Thayne	86	31	58.0	0.69	
Thermopolis	104	42	70.6	0.20	
Wheatland	103	49	74.6	0.33	
Cuba.					
Aguacate	96	66	81.4	1.80	
Banaguises	94	69	79.9	4.86	
Batabano	94	70	82.0	6.53	
Camajuani	92	68	80.4	1.74	
Cardenas	95	70	83.3	1.82	
Cruces	.....	.....	.....	7.14	
Gibara	95	70	82.1	1.55	
Guabairo	.....	.....	.....	7.81	
Guanajay	.....	.....	.....	6.74	
Cuba—Cont'd.					
Guantanamo	98	66	81.6	8.51	
Holguin	95	71	82.5	4.04	
Limonar	94	.....	.....	7.01	
Los Canos	98	66	81.8	2.45	
Magdalena	.....	.....	.....	8.26	
Manzanillo	95	73	84.2	5.12	
Moron Trocha	96	69	83.0	1.55	
Nuevitas	90	72	81.0	0.29	
Pinar del Rio	93	69	82.2	4.73	
Sagua la Grande	93	68	82.2	1.27	
San Cayetano	93	69	80.6	3.10	
Santa Clara	96	68	82.4	0.84	
Santa Cruz del Sur	92	70	80.3	5.64	
Soledad	92	68	80.8	9.63	
Union de Reyes	91	74	83.8	4.52	
Porto Rico.					
Adjuntas	94	57	79.5	21.42	
Aguadilla	88	73	81.8	9.93	
Arecibo	89	68	78.4	4.25	
Bayamon	94	67	80.2	11.48	
Caguas	89	65	78.3	8.45	
Canovanas	90	73	81.1	11.01	
Cayey	.....	.....	.....	8.71	
Cidra	88	62	76.5	11.03	
Coamo	94	68	81.2	9.18	
Comerio	91	67	78.6	8.57	
Corozal	94	64	78.8	5.10	
Fajardo	90	68	82.0	8.25	
Hacienda Coloso	96	66	80.2	11.01	
Hacienda Perla	89	73	80.4	12.83	
Humacao	96	73	83.4	8.74	
Isabela	90	65	79.4	5.63	
Juana Diaz	98	69	82.4	3.72	
La Isolina	89	67	78.0	5.85	
Lajas	94	66	79.7	2.20	
Manati	96	68	80.2	5.92	
Maunabo	90	76	82.6	8.05	
Mayaguez	92	68	80.3	14.02	
Morovis	92	68	78.3	7.86	
Ponce	93	66	80.4	2.76	
Port America	91	67	80.3	10.74	
Puerta de Tierra	92	74	82.2	6.92	
San German	91	69	80.5	3.13	
San Lorenzo	92	67	79.7	13.50	
Utuado	.....	.....	.....	3.45	
Vieques	89	72	82.0	6.70	
Waikato	93	67	79.6	11.60	
Yanco	99	62	80.7	2.96	
Mexico.					
Ciudad P. Diaz	98	74	85.2	3.16	
Coatzacoalcos	88	65	79.0	9.19	
Leon de Aldamas	84	56	68.4	7.20	
Puebla * [1]	78	58	66.7	6.66	
Tampico	92	72	82.3	8.63	
Topolobampo * [1]	97	73	86.2	4.00	
Vera Cruz	92	72	81.2	8.76	
New Brunswick.					
St. John	87	49	63.1	2.09	
Nicaragua.					
Rivas	90	74	82.3	9.16	

Late reports for July, 1900.

Stations.	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
Alabama.					
Evergreen	95	66	81.2	4.54	
Alaska.					
Circle City	88	45	64.9	1.66	
Coal Harbor	69	40	51.5	2.91	
Kenai	72	33	54.1	0.86	
Wood Island	68	45	55.0	6.64	
Arizona.					
Winslow	103	54	77.2	0.20	
California.					
Caliente * [1]	106	65	82.6	0.00	
Deweyville	108	54	83.7	T.	
Grass Valley	.....	.....	.....	T.	
Kernville	.....	.....	.....	0.00	
Kono Tayee	96	58	76.6	0.00	
Lankershim	107	51	80.6	T.	
Legrand	107	46	79.0	0.00	
Merced	107	50	79.3	T.	
Redding	104	60	82.0	T.	
San Miguel Island	74	48	60.9	0.00	
West Saticoy	.....	.....	.....	0.00	
Colorado.					
Strickler Tunnel	.....	.....	.....	3.50	T.
Georgia.					
White Oak	.....	66	.....	5.34	
Illinois.					
Bloomington	95	55	76.1	3.38[e]	
Iowa.					
Carroll	96	51	73.0	6.95	
Knoxville	96	53	75.0	4.75	
Pella	.....	.....	.....	4.37	

TABLE II.—*Climatological record of voluntary and other cooperating observers*—Continued.

Stations.	Temperature. (Fahrenheit.)			Precipitation.	
	Maximum.	Minimum.	Mean.	Rain and melted snow.	Total depth of snow.
	°	°	°	*Ins.*	*Ins.*
Kansas.					
Lebanon	103	.....	.....	2.00	
Louisiana.					
Emilie	92	69	79.5	6.83	
Maryland.					
Woodstock	99	54	78.1	3.94	
Montana.					
Poplar	.....	....	.....	0.46	
Nevada.					
Elko*[1]	103	50	69.7	0.00	
New Mexico.					
Los Lunas	102	50	80.1	T.	
Oregon.					
Placer	.....	....	.....	T.	
South Dakota.					
Mitchell	100	.....	.....	3.85	
Texas.					
Hulen	.....	70	.....	19.30	
Tulia	.....	.....	.....	4.40	
Wyoming.					
Bitter Creek	116	28	69.4	2.20	
Cuba.					
Banagiuses	91	67	79.0	7.98	
San Cayetano	.....	.....	.....	7.15	

EXPLANATION OF SIGNS.

* Extremes of temperature from observed readings of dry thermometer.

A numeral following the name of a station indicates the hours of observation from which the mean temperature was obtained, thus:

[1] Mean of 7 a. m. + 2 p. m. + 9 p. m. + 9 p. m. ÷ 4.
[2] Mean of 8 a. m. + 8 p. m. ÷ 2.
[3] Mean of 7 a. m. + 7 p. m. ÷ 2.
[4] Mean of 6 a. m. + 6 p. m. ÷ 2.
[5] Mean of 7 a. m. + 2 p. m. ÷ 2.
[6] Mean of readings at various hours reduced to true daily mean by special tables.
[7] Mean from hourly readings of thermograph.
[9] Mean of sunrise and noon.
[10] Mean of sunrise, noon, sunset, and midnight.

The absence of a numeral indicates that the mean temperature has been obtained from daily readings of the maximum and minimum thermometers.

An italic letter following the name of a station, as "Livingston *a*," "Livingston *b*," indicates that two or more observers, as the case may be, are reporting from the same station. A small roman letter following the name of a station, or in figure columns, indicates the number of days missing from the record; for instance "[n]" denotes 14 days missing.

No note is made of breaks in the continuity of temperature records when the same do not exceed two days. All known breaks, of whatever duration, in the precipitation record receive appropriate notice.

CORRECTIONS.

July, 1900, Colorado, Ruby, make total precipitation 0.20, instead of 2.00. Iowa, Fayette, make total precipitation 7.73, instead of 7.23. New Jersey, Beverly, make mean temperature 77.8, instead of 78.2. Wyoming, Daniel, make total precipitation 0.60, instead of 1.20.

TABLE III.—*Mean temperature for each hour of seventy-fifth meridian time, August*, 1900.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midn't.	Mean.
Bismarck, N Dak....	67.1	66.1	65.3	64.0	62.8	62.0	61.4	62.8	65.6	69.3	72.8	76.3	78.5	80.5	82.3	83.5	83.4	82.9	80.7	78.9	75.2	72.3	70.4	68.8	72.2
Boston, Mass	67.5	66.7	66.1	65.5	65.1	65.6	67.5	69.8	71.6	73.1	74.0	75.2	75.5	75.7	75.1	74.8	74.4	74.1	72.2	71.5	70.5	69.4	68.7	68.3	70.8
Buffalo, N. Y.....	70.7	70.0	69.4	68.6	68.0	68.0	69.1	70.6	72.2	73.4	75.1	76.0	76.9	77.6	77.0	77.2	77.3	77.1	75.9	74.7	74.2	72.8	72.0	71.4	73.1
Cedar City, Utah....	66.8	66.0	65.2	64.3	63.4	62.9	62.4	61.6	62.0	65.5	69.1	72.4	74.3	75.8	76.6	77.7	77.9	78.6	78.3	77.1	75.2	70.9	68.6	66.9	70.0
Chicago, Ill.....	73.8	73.2	72.3	72.2	71.8	71.6	71.5	73.2	74.9	75.9	76.9	78.0	78.9	79.7	80.5	81.0	79.9	79.6	78.5	77.6	76.9	75.9	75.3	74.5	76.0
Cincinnati, Ohio....	75.8	74.9	73.9	73.3	72.4	71.8	71.8	73.9	76.9	79.6	82.2	84.2	85.7	87.0	87.6	87.7	87.5	86 3	84.8	83.5	81.2	80.0	78.2	77.1	79.9
Cleveland, Ohio	71.9	71.1	70.4	69.8	69.2	68.6	69.5	71.2	74.0	76.1	77.1	78.0	78.8	78.9	79.6	80.4	80.5	79.3	78.6	77.5	76.0	74.7	73.5	72.4	74.9
Detroit, Mich.....	71.3	70.4	70.1	69.3	68.5	67.7	68.2	70.5	72.7	75.3	77.7	79.6	80.9	82.2	82.6	82.6	81.6	80.8	79.0	77.0	75.7	74.2	73.2	72.1	75.1
Dodge, Kans.....	74.0	72.4	71.2	70.5	69.4	68.6	67.7	68.8	72.7	76.9	80.8	83.6	86.3	88.6	89.9	90.9	91.6	90.7	89.3	85.8	81.4	79.2	77.5	75.8	79.3
Eastport, Me.....	57.9	57.3	57.2	56.8	56.0	56.5	57.6	59.4	61.7	63.9	64.9	66.2	67.0	67.5	67.1	66.3	65.2	64.0	62.2	61.3	60.4	59.8	58.9	58.3	61.4
Galveston, Tex.....	81.8	81.6	81.0	81.1	81.0	80.7	80.8	80.9	82.0	83.2	83.9	84.4	85.3	85.5	85.5	85.5	84.5	84.5	83.8	82.9	82.5	82.3	82.0	82.0	82.9
Havre, Mont.....	61.2	59.1	57.5	56.5	56.2	54.5	53.8	53.8	57.1	59.9	63.3	65.8	69.0	72.4	74.3	76.0	77.1	77.6	77.0	75.1	72.0	68.4	65.1	62.8	65.2
Independence, Cal..	73.8	71.2	69.5	67.7	66.2	65.2	64.0	63.3	60.9	62.9	66.6	71.6	75.0	78.1	80.6	82.1	83.4	84.0	84.4	84.3	82.3	79.3	76.9	75.4	73.7
Kalispell, Mont	55.4	54.0	52.4	51.3	49.4	48.2	47.4	47.2	47.4	50.3	54.2	58.4	61.9	64.2	66.4	67.5	69.0	68.9	68.9	68.3	66.3	63.7	59.8	57.1	58.2
Kansas City, Mo.....	76.9	76.1	75.3	74.1	73.4	72.7	72.0	72.7	75.6	78.8	81.2	83.5	84.9	86.1	87.1	88.1	87.9	87.6	87.0	85.3	82.5	80.9	79.4	78.0	80.3
Key West, Fla.....	80.9	80.8	80.3	80.3	80.2	80.2	81.1	82.3	82.8	84.1	84.6	85.4	81.1	85.5	85.4	85.0	84.5	83.5	82.4	82.2	81.6	81.3	81.3	81.1	85.6
Marquette, Mich	65.9	65.6	65.4	65.3	64.9	64.7	64.6	66.9	68.0	69.5	71.9	73.0	73.6	74.0	74.4	74.5	73.8	73.1	71.8	69.4	69.0	68.4	67.2	66.6	69.2
Memphis, Tenn.....	78.3	76.9	75.8	75.0	74.1	73.7	73.9	76.2	78.5	81.5	83.5	85.5	86.8	87.8	88.3	88.7	88.5	87.8	86.4	85.2	83.4	81.7	80.3	79.3	81.5
Mt. Tamalpais, Cal..	62.3	62.1	61.6	61.1	60.0	60.3	59.8	59.9	60.1	60.2	60.3	61.8	63.1	64.3	66.8	68.5	68.2	68.2	66.5	65.6	64.4	62.3	61.2	61.5	62.9
New Orleans, La.....	77.9	77.6	77.4	77.2	77.0	77.1	77.8	79.3	81.9	83.7	84.8	85.3	86.4	86.4	85.7	85.5	84.5	83.3	82.4	81.6	80.3	79.4	78.8	78.3	81.2
New York, N. Y.....	72.7	72.3	71.7	71.2	71.1	70.8	71.4	72.8	75 2	77.7	79.4	80.7	81.3	81.7	81.3	81.6	81.3	80.2	78.4	77.0	76.1	75.3	74.5	73.8	76.2
Philadelphia, Pa.....	73.3	72.8	72.2	71.8	71.6	71.3	73.4	75.7	77.7	79.9	81.9	83.9	85.1	86.4	86.7	86.8	85.5	83.8	81.2	78.6	76.2	75.4	74.9	74.2	78.3
Pittsburg, Pa.....	73.2	72.1	71.0	70.5	69.8	69.2	69.7	71.9	75.6	79.1	81.7	83.9	86.0	86.9	86.7	86.8	86.4	85.1	83.2	81.3	79.0	77.5	75.9	74.5	78.2
Portland, Oreg.....	62.5	61.2	59.9	58.7	57.3	56.2	55.4	55.3	54.4	55.2	57.6	59.5	62.3	64.1	66.0	67.7	69.2	70.2	70.9	70.5	70.2	68.8	66.2	64.4	62.6
St. Louis, Mo.....	79.3	78.6	77.9	77.1	76.4	76.1	75.8	77.1	78.9	82.3	85.1	87.2	88.9	89.9	90.9	91.5	91.1	90.5	88.8	86.4	84.5	82.9	81.6	80.5	83.3
St. Paul, Minn.....	72.9	72.0	71.2	70.9	70.1	69.5	69.1	69.1	71.3	74.1	76.7	79.2	81.8	83.4	84.5	85.0	85.3	84.4	83.6	81.9	79.2	77.2	75.7	74.2	76.8
Salt Lake City, Utah.	70.5	69.7	68.7	67.8	66.8	65.7	65.1	64.4	65.5	69.3	73.2	76.7	79.4	80.6	82.4	83.3	83.9	84.1	83.2	82.2	79.5	76.3	73.6	71.3	74.3
San Diego, Cal.....	64.5	64.2	63.9	63.9	63.9	63.7	63.5	63.2	63.1	63.9	65.3	66.5	68.0	68.4	68.6	68.7	68.8	68.6	68.0	67.5	66.4	65.4	64.9	64.6	65.7
San Francisco, Cal...	56.8	56.4	56.0	55.7	55.1	54.9	55.1	55.8	54.7	55.6	57.5	59.4	61.3	62.8	63.6	63.7	63.2	62.5	61.4	60.7	59.5	58.6	57.5	57.2	58.5
Santa Fe, N. Mex ...	64.2	63.8	62.4	60.7	60.0	59.2	57.5	57.8	63.3	67.3	69.7	72.0	74.1	76.0	77.5	78.2	78.4	77.7	76.2	74.3	71.1	68.3	66.4	65.4	68.4
Savannah, Ga.....	77.6	76.8	76.4	75.8	75.4	75.0	75.9	78.7	82.4	85.7	88.8	90.8	91.8	91.8	90.3	89.1	87.7	85.7	83.1	82.1	80.5	79.7	79.0	78.3	82.4
Washington, D. C....	73.3	72.7	72.3	71.6	70.9	70.3	71.9	75.9	79.2	81.8	83.7	85.9	87.1	88.0	88.2	88.1	87.8	86.5	83.4	80.0	77.9	76.2	74.8	73.7	79.2
West Indies.																									
Basseterre, St. Kitts.	79.7	79.1	79.0	78.8	79.0	79.9	81.4	81.9	83.5	84.5	85.3	85.2	84.9	84.3	83.1	82.6	81.4	80.9	80.8	80.5	80.3	80.2	80.1	79.8	81.5
Bridgetown, Bar.....	77.3	77.0	76.9	76.6	76.6	78.7	82.1	83.3	84.8	85.3	84.9	84.9	84.7	84.3	83.7	83.1	81.7	80.2	79.1	78.5	78.2	78.0	77.7	77.4	80.6
Cienfuegos, Cuba ...	75.9	75.0	74.7	74.4	74.1	74.1	75.9	79.5	82.8	85.5	87.6	89.2	90.3	89.5	88.2	84.9	82.6	81.7	80.9	79.7	78.8	78.0	77.0	76.4	80.7
Havana, Cuba.....	78.0	77.0	76.4	76.0	75.6	75.3	75.8	78.9	82.2	84.8	85.6	85.5	85.5	85.0	85.0	84.1	83.9	82.9	81.6	80.8	80.5	80.0	79.3	78.5	80.8
Kingston, Jamaica...	74.8	74.2	73.9	73.7	73.2	73.0	75.3	79.8	83.7	86.4	87.3	87.6	87.3	85.8	85.4	85.1	84.2	82.5	80.5	79.0	77.5	76.4	75.8	75.0	79.9
Port of Spain, Trin..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P. Principe, Cuba...	75.1	74.3	73.6	73.3	72.9	72.8	73.6	79.0	81.5	84.4	86.8	89.2	90.3	90.8	90.2	87.3	85.9	83.5	81.3	78.9	78.1	77.3	76.5	75.9	80.5
Roseau, Dominica ..	77.2	77.0	76.7	76.7	76.6	77.3	79.8	81.6	84.0	85.1	85.3	85.7	85.8	85.6	85.2	84.4	82.6	80.5	79.0	78.5	78.1	77.6	77.3	77.5	80.6
San Juan, P. R.....	77.9	77.7	77.4	77.1	77.2	77.7	79.5	81.4	83.2	83.8	84.0	84.0	84.5	83.4	82.9	82.5	81.5	80.7	80.1	80.1	79.5	79.3	79.2	78.5	80.5
Santiago de Cuba...	76.4	75.9	75.5	75.2	74.7	74.7	77.7	80.4	84.8	87.8	89.8	90.2	89.5	88.5	87.1	85.1	83.5	82.2	80.4	79.7	78.7	78.2	77.7	77.4	81.2
Santo Domingo, S. D.	75.2	74.9	74.7	74.4	74.2	73.8	75.8	79.4	82.3	84.7	85.9	86.2	85.6	83.9	84.0	82.9	82.5	81.0	79.2	77.9	77.1	76.5	76.0	75.6	79.3
Willemstad, Curaçao	79.8	79.5	79.1	79.2	79.2	79.5	81.6	83.1	84.3	84.9	85.2	85.6	86.1	86.5	86.5	85.6	83.9	82.5	81.5	81.4	80.9	80.8	80.5	80.3	82.4

TABLE IV.—*Mean pressure for each hour of seventy-fifth meridian time, August*, 1900.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midn't.	Mean.
Bismarck, N. Dak....	28.125	.120	.123	.123	.122	.125	.131	.132	.142	.143	.139	.136	.127	.116	.102	.091	.081	.097	.075	.075	.086	.100	.109	.118	.113
Boston, Mass.....	29.863	.862	.860	.861	.870	.879	.888	.892	.893	.892	.885	.879	.872	.866	.858	.854	.854	.855	.861	.869	.876	.877	.878	.878	.872
Buffalo, N. Y.....	29.214	.213	.212	.215	.220	.228	.237	.242	.246	.250	.248	.244	.235	.226	.216	.210	.202	.199	.200	.201	.212	.217	.220	.221	.222
Cedar City, Utah....	24.277	.279	.279	.278	.278	.277	.280	.285	.297	.307	.311	.311	.307	.299	.290	.279	.262	.252	.243	.238	.240	.248	.262	.271	.277
Chicago, Ill.	29.155	.152	.155	.152	.153	.159	.167	.175	.177	.186	.184	.173	.161	.160	.146	.138	.132	.129	.130	.131	.139	.146	.151	.157	.155
Cincinnati, Ohio	29.400	.399	.399	.403	.409	.421	.433	.439	.440	.442	.441	.434	.422	.409	.389	.374	.365	.364	.370	.374	.390	.400	.401	.403	.405
Cleveland, Ohio	29 233	.233	.235	.237	.247	.256	.263	.270	.271	.274	.271	.265	.257	.246	.233	.221	.216	.210	.214	.220	.231	.232	.234	.235	.242
Detroit, Mich.....	29.251	.249	.250	.250	.254	.265	.276	.284	.284	.285	.280	.274	.267	.253	.241	.227	.224	.217	.224	.232	.243	.246	.251	.255	.253
Dodge, Kans	27.371	.379	.379	.376	.375	.375	.381	.381	.387	.389	.388	.380	.366	.348	.330	.313	.299	.291	.290	.305	.321	.338	.353	.357	.352
Eastport, Me	29.902	.898	.896	.895	.902	.908	.914	.919	.919	.916	.910	.905	.899	.896	.892	.890	.891	.894	.902	.913	.915	.916	.916	.916	.904
Galveston, Tex.....	29.961	.955	.950	.946	.944	.948	.957	.963	.977	.985	.989	.988	.976	.966	.952	940	.932	.925	.925	.931	.940	.952	.959	.961	.955
Havre, Mont.....	27.273	.272	.274	.273	.275	.278	.282	.286	.295	.295	.293	.289	.280	.267	.260	.249	.238	.228	.222	.225	.230	.243	.256	.263	.264
Independence, Cal..	25 895	.902	.907	.909	.912	.915	.922	.931	.943	.958	.966	.964	.958	.947	.932	.915	.899	.882	.866	.855	.853	.856	.869	.881	.910
Kalispell, Mont	26 877	.876	.878	.879	.880	.883	.888	.893	.904	.910	.911	.908	.898	.886	.875	.865	.858	.853	.850	.849	.851	.856	.866	.869	.878
Kansas City, Mo.....	28.985	.981	.986	.990	.991	.998	.006	.016	.027	.029	.027	.019	.009	.998	.984	.969	.961	.954	.951	.950	.953	.966	.972	.978	.987
Key West, Fla.....	30.034	.025	.018	.015	.016	.022	.036	.045	.055	.061	.062	.056	.044	.032	.017	.005	.998	.996	.003	.020	.028	.036	.042	.040	.029
Marquette, Mich ...	29.195	.193	.191	.194	.199	.203	.209	.214	.212	.208	.207	.204	.190	.182	.175	.172	.172	.173	.179	.185	.194	.199	.197	.197	.193
Memphis, Tenn.....	29.636	.634	.632	.632	.639	.645	.658	.674	.682	.687	.691	.686	.669	.652	.637	.622	.613	.607	.604	.611	.623	.635	.638	.640	.643
Mt. Tamalpais, Cal .	27.508	.506	.503	.499	.493	.487	.488	.493	.504	.516	.526	.538	.545	.550	.547	.545	.539	.528	.515	.508	.495	.493	.496	.501	.514
New Orleans, La.....	29.994	.989	.987	.987	.993	.001	.015	.025	.028	.029	.028	.024	.014	.003	.988	.976	.970	.970	.973	.983	.991	.998	.002	.001	.999
New York, N. Y.....	29.687	.683	.682	.682	.687	.694	.701	.707	.710	.710	.705	.697	.688	.683	.673	.665	.665	.666	.672	.681	.691	.695	.697	.700	.688
Philadelphia, Pa.....	29.900	.900	.901	.905	.912	.918	.927	.933	.932	.932	.924	.915	.908	.893	.882	.874	.870	.877	.886	.898	.905	.910	.911	.910	.905
Pittsburg, Pa*.....	29.121	.119	.118	.122	.128	.139	.150	.157	.153	.152	.147	.136	.123	.109	.093	.090	.087	.085	.089	.101	.109	.119	.122	.125	.120
Portland, Oreg.....	29.869	.874	.878	.879	.881	.883	.883	.888	.896	.904	.908	.911	.908	.903	.894	.884	.873	.863	.852	.844	.841	.842	.852	.861	.878
St. Louis, Mo.....	29.417	.414	.415	.414	.420	.428	.445	.452	.454	.461	.460	.451	.437	.424	.405	.391	.377	.376	.379	.379	.393	.402	.410	.415	.418
St. Paul, Minn.....	29.023	.024	.013	.019	.019	.021	.028	.034	.037	.038	.037	.036	.025	.017	.008	.998	.992	.990	.986	.992	.998	.008	.018	.018	.016
Salt Lake City, Utah.	25.550	.554	.555	.557	.560	.566	.574	.584	.599	.606	.608	.609	.604	.595	.581	.566	.550	.534	.525	.521	.518	.522	.534	.540	.563
San Diego, Cal.....	29.832	.832	.830	.827	.819	.815	.816	.823	.834	.844	.853	.861	.859	.857	.853	.845	.836	.826	.819	.813	.814	.816	.821	.827	.832
San Francisco, Cal...	29.805	.804	.803	.800	.795	.794	.793	.798	.807	.817	.826	.831	.835	.834	.837	.819	.812	.802	.792	.787	.782	.783	.789	.798	.806
Santa Fe, N. Mex ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Savannah, Ga.....	29.996	.991	.987	.988	.991	.003	.018	.030	.035	.038	.034	.023	.010	.995	.977	.966	.962	.965	.976	.986	.000	.006	.012	.010	.000
Washington, D. C....	29.911	.909	.910	.910	.915	.923	.932	.937	.939	.944	.943	.939	.933	.917	.904	.894	.886	.879	.883	.893	.902	.908	.912	.917	.914
West Indies.																									
Basseterre, St. Kitts.	29.952	.941	.934	.936	.943	.956	.968	.973	.984	.983	.975	.963	.950	.936	.926	.924	.929	.939	.953	.969	.978	.980	.975	.965	.955
Bridgetown, Bar....	29.909	.903	.902	.905	.909	.919	.929	.938	.939	.936	.926	.911	.899	.887	.878	.878	.884	.896	.910	.925	.932	.936	.932	.923	.913
Cienfuegos, Cuba ...	30.940	.930	.919	.917	.921	.930	.944	.951	.956	.956	.955	.946	.929	.910	.894	.891	.895	.904	.919	.935	.946	.953	.954	.949	.931
Havana, Cuba.....	29.969	.958	.951	.949	.951	.960	.972	.981	.989	.994	.993	.987	.975	.962	.948	.938	.935	.937	.946	.955	.966	.974	.982	.977	.964
Kingston, Jamaica...	29.666	.652	.640	.635	.636	.640	.658	.665	.671	.669	.659	.645	.627	.613	.599	.593	.593	.602	.616	.633	.654	.668	.675	.673	.641
Port of Spain, Trin..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
P. Principe, Cuba...	29.653	.640	.633	.630	.634	.643	.656	.661	.669	.671	.665	.656	.640	.625	.611	.605	.613	.625	.637	.648	.658	.668	.668	.662	.645
Roseau, Dominica ..	29.927	.919	.915	.914	.920	.931	.939	.949	.952	.951	.945	.929	.916	.904	.897	.895	.903	.911	.922	.940	.947	.950	.945	.936	.927
San Juan, P. R.....	29.911	.901	.896	.898	.905	.915	.923	.929	.934	.931	.926	.915	.902	.892	.886	.884	.889	.901	.914	.925	.935	.935	.931	.920	.912
Santiago de Cuba...	29.875	.866	.858	.857	.866	.874	.885	.888	.893	.890	.878	.866	.848	.836	.828	.831	.835	.843	.855	.874	.885	.892	.890	.886	.867
Santo Domingo, S. D.	29.954	.942	.934	.931	.937	.947	.959	.967	.974	.973	.965	.953	.938	.924	.914	.905	.908	.916	.931	.947	.959	.968	.967	.960	.945
Willemstad, Curaçao	29.825	.815	.806	.808	.816	.826	.840	.850	.852	.848	.834	.819	.789	.769	.745	.739	.745	.758	.783	.808	.831	.844	.845	.837	.810

* Record for 23 days.

TABLE V.—*Average wind movement for each hour of seventy-fifth meridian time, August,* 1900.

Stations	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
Abilene, Tex	10.0	10.0	9.8	9.4	10.2	9.5	9.4	8.4	9.7	11.1	12.8	12.2	11.8	11.7	11.9	11.6	11.9	12.5	12.3	12.6	10.6	9.8	10.1	10.2	10.8
Albany, N. Y	4.1	4.0	3.7	3.8	3.7	4.4	4.8	6.0	7.4	7.4	7.5	7.8	7.8	8.5	8.5	8.7	8.5	8.0	6.5	5.9	5.5	4.8	4.9	4.8	6.1
Alpena, Mich	5.4	5.5	5.5	5.4	5.5	5.6	5.3	6.2	7.0	7.7	9.2	10.0	10.7	10.8	10.8	10.3	9.8	8.5	7.3	6.3	5.1	5.4	5.6	5.2	7.3
Amarillo, Tex	15.9	16.1	15.7	17.2	16.9	16.4	15.4	15.2	15.6	18.0	19.5	19.3	18.2	17.1	17.4	18.3	18.3	19.5	19.8	19.0	16.6	14.9	15.1	16.0	17.1
Atlanta, Ga	6.5	7.1	7.1	7.5	7.2	6.8	6.7	6.5	6.6	6.7	7.1	6.9	7.5	7.7	8.7	8.9	8.6	8.1	7.7	6.7	6.5	6.5	6.8	6.5	7.2
Atlantic City, N. J	7.8	7.4	6.9	7.2	7.3	6.9	6.8	7.8	8.0	8.3	8.9	8.7	9.1	10.2	9.6	9.5	9.4	9.0	8.8	8.4	8.1	8.2	8.0	7.6	8.2
Augusta, Ga	3.2	2.9	2.8	2.8	2.9	2.8	2.8	3.3	4.5	4.7	5.5	6.1	6.7	7.5	7.7	7.5	8.2	7.2	6.2	5.2	4.5	4.2	4.5	3.6	4.9
Baker City, Oreg	2.5	2.5	2.7	3.4	3.7	4.0	4.8	5.4	5.7	5.2	3.3	3.7	4.3	5.0	5.2	5.2	6.1	6.8	6.9	7.5	6.8	5.3	4.1	3.1	4.7
Baltimore, Md	3.0	3.2	3.4	3.1	3.0	2.9	3.0	3.7	4.1	4.8	5.0	5.5	5.7	5.6	6.4	6.7	6.1	6.7	5.0	3.8	3.4	3.3	3.5	3.5	4.3
Bismarck, N. Dak	8.4	8.6	7.3	7.5	6.7	6.0	6.6	7.5	7.0	7.7	8.8	9.6	10.5	11.3	11.3	11.7	12.3	11.8	12.0	10.0	9.0	9.3	8.7	9.0	9.1
Block Island, R. I	11.4	11.1	10.6	10.4	10.5	10.3	10.4	10.9	10.9	10.7	11.1	10.9	11.2	12.1	12.7	13.0	12.3	11.7	11.5	12.2	11.8	11.6	12.5	12.5	11.4
Boise, Idaho	4.1	3.6	3.0	2.8	2.7	2.7	2.3	2.6	2.5	2.3	3.0	4.0	5.6	6.4	6.8	7.5	7.1	6.5	6.5	6.0	4.8	4.3	3.3	3.6	4.3
Boston, Mass	7.5	7.2	7.3	7.3	7.9	7.1	7.1	7.4	7.9	8.4	9.3	9.1	9.5	10.0	9.9	9.4	8.9	8.4	7.6	7.5	8.2	8.0	7.7	7.4	8.2
Buffalo, N. Y	9.0	8.9	8.7	9.2	9.5	9.2	9.0	9.1	10.0	11.3	11.9	12.2	12.4	13.3	13.4	12.8	12.0	10.9	10.4	10.0	9.9	9.4	9.1	9.3	10.4
Cairo, Ill	5.1	4.5	4.7	4.4	4.5	4.4	4.2	4.3	5.2	5.6	6.5	6.3	7.1	7.2	7.8	8.0	8.3	7.1	6.3	5.5	4.4	4.0	4.2	4.9	5.6
Cape Henry, Va	9.6	9.5	9.3	8.6	8.3	8.4	8.8	9.5	10.1	10.1	10.0	9.4	9.6	9.4	9.3	9.6	9.1	8.5	7.7	7.6	7.9	8.5	8.5	9.5	9.0
Carson City, Nev	5.2	4.7	3.5	3.4	3.4	3.0	2.9	2.8	2.7	2.4	2.6	3.6	4.0	4.5	7.7	10.6	11.7	13.7	15.6	14.3	12.6	11.0	8.3	5.9	6.7
Cedar City, Utah	6.3	7.0	7.0	7.3	7.1	7.2	7.3	7.3	6.9	5.6	5.9	7.7	9.2	10.2	10.7	11.0	11.0	11.1	9.9	9.0	8.0	5.6	4.5	5.4	7.8
Charleston, S. C	8.1	8.0	7.3	6.5	6.8	6.5	6.8	7.6	7.7	7.5	8.1	9.8	11.1	12.7	13.1	12.9	12.4	11.5	10.0	8.8	8.4	8.8	8.5	8.1	9.0
Charlotte, N. C	4.5	4.7	4.0	4.0	4.0	4.0	4.0	4.7	5.1	5.6	5.9	5.4	5.1	5.8	6.4	6.1	6.4	5.3	4.5	5.2	5.0	5.0	4.5	4.4	5.0
Chattanooga, Tenn	4.4	4.5	3.8	4.0	3.5	3.3	3.4	3.8	4.5	5.6	6.2	6.4	7.7	8.4	8.7	9.0	9.2	7.6	7.5	5.9	5.2	4.3	4.2	4.0	5.6
Cheyenne, Wyo	6.5	6.4	6.4	6.1	6.6	6.4	6.3	6.3	6.8	7.8	8.3	8.7	9.5	9.6	11.1	11.0	12.0	12.4	12.5	10.6	9.4	7.9	8.1	6.7	8.5
Chicago, Ill	12.5	13.0	14.2	13.9	12.8	12.7	11.6	11.9	12.0	11.8	12.7	13.2	14.2	14.0	14.5	14.9	15.3	14.7	14.0	13.3	13.7	13.7	13.0	13.4	13.4
Cincinnati, Ohio	3.4	3.1	2.4	2.6	2.5	2.7	3.0	4.0	4.9	5.7	6.4	6.4	7.5	7.6	8.3	8.1	8.0	7.1	6.6	5.1	3.8	3.6	3.2	3.3	5.0
Cleveland, Ohio	9.8	10.2	10.4	10.0	10.1	10.4	10.3	10.1	10.1	10.3	11.6	11.8	12.7	12.1	11.7	12.0	11.4	10.4	9.6	8.7	8.8	8.7	8.5	9.5	10.4
Columbia, Mo	5.5	5.2	5.2	5.3	4.9	5.0	5.2	5.3	5.6	6.4	7.4	8.1	8.4	8.8	8.7	9.2	8.8	8.0	7.4	5.6	5.4	5.7	5.5	5.7	6.5
Columbus, Ohio	4.2	3.5	3.3	3.5	3.8	3.5	3.7	4.0	4.7	5.5	6.7	7.0	8.1	8.1	8.8	9.2	9.2	8.6	6.7	6.0	5.6	5.0	5.0	4.4	5.7
Concordia, Kans	9.0	9.2	8.6	8.4	8.0	7.2	7.4	7.6	8.9	10.1	10.9	11.1	11.7	11.6	12.1	12.7	12.4	12.2	11.3	9.6	7.9	7.7	8.7	8.9	9.7
Corpus Christi, Tex	13.3	11.8	10.1	8.1	6.4	5.5	5.6	5.1	5.6	7.4	8.4	9.4	12.3	13.2	14.7	15.9	16.2	17.0	18.2	17.7	16.7	16.3	15.3	13.8	11.8
Davenport, Iowa	4.4	3.9	4.3	4.6	4.0	4.0	4.5	5.6	5.8	6.2	6.6	7.8	7.8	8.1	8.2	8.2	7.6	7.3	6.0	4.3	4.1	4.3	4.5	4.5	5.7
Denver, Colo	7.6	7.5	7.1	7.1	7.9	7.0	6.8	6.9	5.8	5.2	5.0	5.2	6.3	7.1	8.2	8.9	10.1	11.6	10.9	10.6	10.0	9.5	9.3	8.1	7.9
Des Moines, Iowa	6.1	6.1	5.4	5.0	5.4	4.9	4.9	6.0	7.3	8.6	10.2	11.0	10.9	11.0	10.6	10.7	9.9	9.3	8.6	6.9	5.5	5.3	5.9	5.5	7.5
Detroit, Mich	6.5	6.7	6.6	5.7	5.5	5.7	5.6	6.2	7.3	8.3	8.4	8.7	9.0	9.5	10.3	10.0	9.3	8.9	8.6	6.7	6.8	6.7	6.6	6.5	7.5
Dodge, Kans	13.6	12.7	11.6	11.1	10.4	10.4	10.0	9.8	12.7	16.4	17.3	17.8	18.7	18.8	18.7	18.5	18.3	17.5	18.3	17.7	15.5	14.4	14.8	14.4	15.0
Dubuque, Iowa	3.7	2.9	3.5	3.5	3.6	3.4	4.1	4.6	6.1	7.2	7.4	7.7	7.7	8.3	8.2	8.0	7.4	6.5	5.0	4.1	3.0	3.0	3.4	3.7	5.2
Duluth, Minn	7.2	7.8	7.6	7.8	7.8	8.3	7.5	7.8	8.7	8.9	10.4	11.0	11.6	11.5	11.5	11.2	11.3	10.5	9.6	8.5	8.0	7.7	7.2	6.8	9.0
Eastport, Me	6.1	5.7	5.8	6.3	6.8	6.5	6.6	7.0	7.4	8.0	8.6	9.7	9.6	9.6	10.5	10.7	9.2	8.3	7.4	6.4	6.8	6.1	6.5	6.2	7.6
Elkins, W. Va	1.3	0.9	1.0	1.1	1.2	1.4	1.0	1.3	2.2	2.9	3.8	5.2	5.7	5.7	6.2	6.2	5.8	4.5	2.8	1.5	1.4	1.1	1.3	1.1	2.8
El Paso, Tex	8.5	8.2	8.3	8.4	8.5	7.4	7.4	8.0	6.7	6.6	7.2	7.3	7.7	8.4	8.3	8.3	9.2	9.3	10.6	10.5	10.2	9.2	8.1	8.4	8.4
Erie, Pa	7.1	7.3	6.8	6.8	7.5	7.8	7.7	7.1	7.9	9.4	10.0	10.4	10.0	9.7	9.3	9.3	8.6	7.4	6.0	5.5	5.7	6.4	6.6	6.8	7.8
Escanaba, Mich	5.1	5.2	5.2	5.3	5.4	5.8	6.4	6.2	6.2	6.4	7.7	8.7	9.5	10.2	10.7	10.6	10.1	9.7	8.1	8.1	8.1	6.9	6.6	5.9	7.4
Eureka, Cal	5.4	5.0	4.4	3.5	2.9	2.9	2.8	2.5	2.7	2.7	3.8	4.9	6.0	7.0	7.9	9.1	9.5	9.3	9.7	9.3	8.4	7.5	6.4	6.4	5.8
Evansville, Ind	4.1	3.7	3.6	3.9	3.9	4.0	4.2	4.1	5.0	5.9	6.5	6.9	7.1	7.5	8.0	7.8	7.6	7.7	6.0	5.5	4.3	4.4	3.6	3.8	5.4
Fort Smith, Ark	5.8	5.8	5.5	5.6	5.8	6.1	5.9	5.9	6.5	7.8	8.5	8.8	9.2	9.1	9.8	10.9	11.1	11.7	11.5	9.9	8.6	7.7	6.6	6.1	7.9
Fort Worth, Tex	11.6	11.0	10.2	9.8	9.4	9.2	8.4	7.8	9.5	11.6	12.3	12.4	12.9	13.3	13.6	13.9	14.1	13.7	14.0	11.3	10.7	11.7	11.4	11.6	11.5
Fresno, Cal	6.8	6.7	6.1	5.8	5.5	4.6	4.5	4.4	3.7	3.4	4.1	4.3	4.5	4.9	5.5	5.5	5.7	6.0	6.1	6.4	6.4	6.5	6.8	6.9	5.5
Galveston, Tex	7.5	7.5	7.5	7.3	7.1	6.6	6.9	7.2	7.1	7.6	8.1	7.6	7.8	8.5	8.4	8.3	8.0	7.6	6.9	6.9	7.2	8.0	7.7	7.6	7.5
Grand Haven, Mich	6.2	6.4	6.2	5.7	5.9	5.8	6.0	6.0	6.4	7.4	7.6	7.6	8.2	8.8	8.8	9.1	8.8	7.5	6.5	6.0	5.3	5.6	5.2	5.6	6.8
Grand Junction, Colo	3.7	3.7	3.8	4.2	4.1	4.5	4.7	4.5	4.9	6.1	6.8	6.2	6.0	6.5	7.2	7.3	6.8	7.3	7.6	7.1	5.8	5.4	5.0	4.2	5.6
Green Bay, Wis	4.6	4.5	4.1	4.1	4.6	4.8	5.0	5.4	6.2	6.8	7.5	8.5	9.0	8.9	9.0	9.9	9.5	9.3	8.0	5.8	5.2	4.9	4.6	4.7	6.5
Harrisburg, Pa	3.4	3.0	3.1	3.0	3.3	2.8	2.7	3.8	4.7	5.3	6.0	6.3	6.5	6.8	7.0	6.5	6.4	5.9	5.1	4.8	4.2	3.8	3.4	3.6	4.6
Hatteras, N. C	9.8	10.0	9.5	9.6	10.2	10.4	10.5	11.4	11.9	11.6	11.8	11.5	11.9	12.5	12.6	12.6	12.7	12.5	10.7	10.2	9.9	10.5	10.3	9.9	11.0
Havre, Mont	7.8	8.0	7.8	7.7	7.7	7.7	7.1	6.9	7.4	9.4	10.3	10.2	11.2	12.0	12.1	12.3	12.2	11.8	11.9	12.2	10.6	9.2	8.0	8.0	9.6
Helena, Mont	7.6	8.4	7.7	6.7	6.3	6.2	5.5	5.3	4.8	4.2	5.2	6.2	7.3	7.9	8.9	9.2	9.2	9.9	10.3	9.5	9.2	7.1	7.9	8.1	7.4
Huron, S. Dak	10.8	10.5	10.2	10.0	10.2	9.4	9.3	9.3	9.9	11.5	12.3	12.3	12.1	13.5	14.2	14.1	13.6	13.7	12.1	10.3	10.0	10.1	11.0	11.5	11.3
Independence, Cal	7.2	6.2	5.7	5.0	5.2	5.2	5.0	4.8	5.0	4.3	5.8	6.9	7.2	7.4	8.2	10.3	12.0	13.8	14.3	12.9	11.5	9.2	8.7	8.9	7.9
Indianapolis, Ind	5.7	4.9	5.0	5.2	4.7	5.4	5.8	5.9	7.1	8.3	8.8	9.0	10.1	10.5	11.5	11.6	11.2	10.5	8.7	6.6	6.3	5.8	5.5	5.3	7.5
Jacksonville, Fla	5.4	5.3	5.3	5.2	5.1	4.8	4.3	4.5	5.4	5.7	6.4	6.8	7.4	7.7	8.4	8.7	9.5	8.5	6.7	6.1	5.8	5.2	5.2	5.6	6.2
Jupiter, Fla	6.2	5.9	5.7	5.5	5.4	5.3	5.6	6.2	7.1	8.1	9.1	9.5	9.9	10.7	11.2	11.1	10.1	9.2	7.8	7.3	7.1	7.4	6.9	6.9	7.7
Kalispell, Mont	5.3	4.7	5.1	5.7	5.8	5.6	5.5	5.9	5.9	5.5	5.0	4.9	6.3	7.3	7.7	9.2	9.0	9.1	8.5	8.0	7.7	5.9	5.3	4.9	6.4
Kansas City, Mo	7.1	7.8	7.8	7.5	7.1	6.5	6.8	7.3	7.7	8.5	10.0	10.6	10.7	10.2	10.4	10.7	10.2	9.8	8.7	6.7	6.0	6.5	6.7	6.9	8.3
Keokuk, Iowa	5.1	4.7	5.4	5.0	4.7	5.1	5.7	5.6	5.9	6.5	7.2	7.1	7.8	8.2	8.7	8.8	8.4	8.6	7.1	5.4	4.8	5.6	5.2	4.7	6.3
Key West, Fla	7.4	6.6	6.3	6.5	6.3	6.6	6.3	7.2	8.6	8.5	9.1	9.3	10.2	10.0	9.9	10.2	9.8	9.2	9.0	8.4	8.3	8.5	8.5	8.1	8.3
Kittyhawk, N. C	9.5	9.5	9.3	9.9	9.5	8.9	10.8	11.4	12.4	12.4	12.6	11.9	12.1	12.0	12.2	11.7	11.2	10.1	9.5	9.9	9.9	10.4	9.8	9.0	10.7
Knoxville, Tenn	3.4	3.4	3.3	3.1	3.0	3.1	3.0	3.2	4.2	5.1	5.5	5.6	6.5	6.4	6.6	7.1	7.2	6.6	7.2	6.8	5.2	5.3	4.2	3.8	5.0
La Crosse, Wis	4.5	4.7	5.3	5.2	4.9	4.8	4.9	5.1	5.9	6.0	6.5	7.1	7.3	7.4	8.0	7.9	7.7	7.2	7.0	5.6	5.3	4.8	4.7	4.5	5.9
Lander, Wyo	3.5	3.3	2.6	2.3	2.0	2.0	2.1	1.9	1.7	1.9	2.9	3.3	4.0	5.2	6.4	8.1	8.3	8.6	9.3	8.1	6.4	4.9	4.4	4.5	4.5
Lexington, Ky	6.4	5.7	5.7	6.2	6.0	6.2	6.2	5.5	6.1	7.1	7.2	6.6	7.9	8.5	8.3	8.6	8.7	7.1	6.8	6.6	6.3	6.2	6.5	5.9	6.8
Little Rock, Ark	4.3	4.0	4.1	4.3	4.3	4.7	4.3	4.5	5.3	5.7	6.9	7.5	8.4	8.2	9.3	8.6	8.7	8.7	8.5	6.7	5.4	5.5	4.7	4.4	6.2
Los Angeles, Cal	2.6	2.5	2.4	2.5	2.5	2.3	2.5	2.3	2.5	2.9	3.4	3.5	4.5	5.2	6.2	7.6	8.8	9.1	9.0	8.6	7.8	6.5	4.6	3.3	4.7
Louisville, Ky	4.0	3.7	3.6	4.0	3.8	4.1	3.6	3.7	4.5	5.3	6.5	7.3	8.4	8.9	9.6	9.1	8.8	8.7	7.0	5.5	4.4	4.2	3.7	3.7	5.7
Lynchburg, Va	1.3	1.4	1.6	1.1	1.3	1.1	1.0	2.3	3.9	4.4	4.3	4.2	4.7	5.3	5.5	5.1	4.9	4.4	3.8	2.3	2.0	1.7	1.5	1.6	2.9
Macon, Ga	2.8	2.3	2.6	2.5	2.3	2.5	2.5	2.8	4.2	4.7	5.4	5.9	6.1	6.7	6.8	6.9	7.8	7.7	6.4	5.0	3.8	3.1	3.0	2.7	4.4
Marquette, Mich	7.3	7.3	7.4	7.5	7.2	8.2	7.6	7.5	8.0	7.9	8.0	8.6	9.7	10.0	10.3	9.9	8.7	7.7	6.6	6.5	6.6	6.7	7.9	8.0	8.0
Memphis, Tenn	7.3	6.8	6.3	6.3	6.4	6.4	6.5	6.2	6.9	7.3	7.8	8.4	9.4	10.4	10.3	10.0	9.8	9.7	9.7	7.5	6.8	6.9	6.8	7.4	7.8
Milwaukee, Wis	6.8	6.9	7.3	7.6	6.9	6.3	6.2	6.5	7.1	7.9	8.0	8.7	10.3	10.5	11.0	11.1	10.7	9.5	8.1	6.8	6.4	6.4	6.3	6.9	7.9
Mobile, Ala	3.9	3.9	3.9	3.9	3.6	4.1	3.9	4.1	5.0	5.5	5.5	6.6	7.3	7.4	8.3	9.4	9.5	8.9	8.0	6.6	5.2	4.6	4.5	3.9	5.7
Montgomery, Ala	3.6	3.5	3.3	3.2	3.1	3.0	3.0	3.4	4.0	4.7	5.2	5.3	6.3	6.5	6.9	7.5	7.2	6.9	6.0	5.4	4.7	4.0	3.4	3.5	4.7
Moorhead, Minn	8.5	8.4	8.1	8.5	8.0	7.9	7.3	7.6	8.2	8.2	7.6	8.1	9.0	10.6	10.8	10.5	10.3	9.7	9.4	7.7	7.0	7.9	8.6	8.3	8.6
Mount Tamalpais, Cal	25.3	23.7	22.1	21.6	21.2	20.8	21.0	19.9	18.1	16.0	14.0	12.5	11.1	9.4	8.5	9.3	10.0	12.4	16.8	20.5	23.5	25.7	27.7	26.5	18.2
Nantucket, Mass	6.5	6.9	7.2	6.8	6.6	7.0	8.0	9.5	9.6	10.0	10.3	11.2	10.2	10.4	10.4	9.9	9.3	8.7	7.4	7.3	7.1	6.7	6.7	6.9	8.4
Nashville, Tenn	2.4	2.3	2.4	2.2	2.2	2.2	2.4	3.0	4.5	5.4	6.1	6.7	7.4	8.0	7.9	7.3	7.5	7.9	7.3	5.6	3.6	3.5	2.8	2.5	4.7
Neah Bay, Wash	5.6	4.9	4.3	4.1	3.9	4.0	4.0	3.7	3.2	3.6	4.6	5.1	6.2	6.6	8.1	9.3	9.9	11.1	11.5	11.1	9.8	8.6	6.4	5.6	6.5
New Haven, Conn	5.3	5.1	5.0	4.8	4.9	4.3	4.5	6.2	7.0	8.2	9.0	9.5	10.4	10.7	10.8	11.1	9.9	8.2	6.8	6.7	6.2	5.5	5.4	5.2	7.1
New Orleans, La	5.0	5.0	4.7	4.5	4.6	4.5	4.7	5.0	6.2	7.0	7.6	7.8	8.4	8.4	8.8	8.5	8.4	8.5	7.5	6.5	5.7	5.6	5.2	4.9	6.4

TABLE V.—*Average wind movement, etc.*—Continued.

Stations.	1 a. m.	2 a. m.	3 a. m.	4 a. m.	5 a. m.	6 a. m.	7 a. m.	8 a. m.	9 a. m.	10 a. m.	11 a. m.	Noon.	1 p. m.	2 p. m.	3 p. m.	4 p. m.	5 p. m.	6 p. m.	7 p. m.	8 p. m.	9 p. m.	10 p. m.	11 p. m.	Midnight.	Mean.
New York, N. Y.	8.0	7.5	8.0	8.1	7.9	7.9	7.0	7.7	8.5	9.0	9.6	10.2	10.1	11.8	12.0	11.9	11.9	11.8	10.1	10.5	10.1	9.2	8.9	8.1	9.4
Norfolk, Va.	5.7	5.5	6.0	5.3	5.2	5.5	5.7	7.0	7.6	8.1	8.4	8.3	8.4	8.0	8.0	8.6	8.4	7.3	7.0	6.4	6.8	5.9	5.7	6.1	6.9
Northfield, Vt.	5.0	4.8	4.7	4.5	4.5	4.2	3.8	4.9	6.5	7.6	9.6	9.3	10.0	10.3	10.1	10.0	9.5	8.2	6.1	5.2	5.8	5.7	5.2	5.0	6.7
North Platte, Nebr.	11.2	10.6	9.6	8.8	8.2	7.1	6.2	6.0	7.0	9.0	10.4	10.4	10.6	11.2	11.7	12.4	12.3	12.2	11.8	12.4	10.2	10.0	12.1	11.6	10.1
Oklahoma, Okla.	9.1	9.1	8.9	8.7	8.8	8.1	8.0	9.1	10.3	12.1	12.9	13.5	13.5	13.9	14.1	14.7	14.0	13.8	13.2	11.7	9.5	9.4	9.9	9.6	11.1
Omaha, Nebr.	7.1	6.9	6.5	6.3	6.5	6.0	5.8	6.4	7.6	8.8	9.4	9.5	9.5	9.9	9.6	9.6	9.1	8.4	7.1	6.7	6.1	6.2	6.4	6.8	7.6
Oswego, N. Y.	6.5	7.1	7.2	7.3	7.5	6.9	7.5	7.7	7.9	8.8	8.9	9.1	9.3	8.6	8.9	8.4	7.6	6.9	6.0	5.6	5.7	5.5	5.2	5.8	7.3
Palestine, Tex.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Parkersburg, W. Va.	2.3	2.9	2.7	2.5	2.2	2.4	2.9	3.1	3.5	4.1	4.6	5.4	6.2	6.9	6.9	6.5	6.5	5.6	4.0	3.4	2.9	3.1	2.7	2.7	4.0
Pensacola, Fla.	5.9	6.5	6.6	7.1	7.1	6.7	6.6	6.7	7.3	7.7	8.1	7.8	8.7	10.0	10.7	11.2	11.4	10.8	9.9	8.0	7.1	6.4	6.1	5.5	7.9
Phenix, Ariz.	4.4	4.0	4.0	3.9	3.9	3.7	3.9	3.8	4.2	5.1	5.3	5.7	5.4	5.6	6.1	6.1	6.1	6.3	6.0	5.6	4.7	4.2	3.7	3.9	4.8
Philadelphia, Pa.	5.9	6.0	6.1	5.8	6.2	6.1	6.2	6.9	7.8	7.7	7.7	7.7	9.0	8.6	9.5	9.1	9.1	8.5	7.9	7.7	8.0	7.3	6.6	5.7	7.4
Pierre, S. Dak.	13.3	12.4	12.4	10.4	11.2	11.4	8.6	7.2	7.9	10.0	10.2	10.5	11.5	12.2	12.5	13.1	13.1	13.6	14.0	14.9	13.1	12.1	12.6	12.7	11.7
Pittsburg, Pa.	4.2	3.5	3.4	3.4	3.3	3.3	3.2	4.0	4.4	5.1	5.9	6.3	7.2	7.1	7.0	7.0	7.1	6.8	5.9	4.6	4.0	3.7	3.9	4.0	4.9
Pocatello, Idaho	9.8	10.7	9.5	8.5	9.3	8.8	9.1	9.8	9.0	8.9	9.4	9.1	9.9	10.9	11.2	12.3	12.9	12.9	13.0	12.8	11.1	9.0	7.5	8.6	10.2
Point Reyes Lt., Cal.	16.0	14.9	14.1	12.9	12.5	12.8	12.1	10.4	9.1	7.8	6.9	6.4	6.6	6.9	6.8	6.9	8.4	9.6	9.7	12.2	15.2	17.1	17.9	16.6	11.2
Port Crescent, Wash.	3.8	3.8	3.4	3.2	2.9	2.7	2.6	2.7	2.5	2.1	3.1	4.5	6.1	6.5	6.6	6.9	7.0	6.7	6.8	7.5	6.8	6.4	5.1	4.3	4.8
Port Huron, Mich.	6.8	7.2	7.2	6.8	6.9	6.5	6.1	5.7	7.0	8.0	8.7	9.0	10.1	10.1	10.3	10.2	9.6	8.7	7.7	7.5	7.1	7.5	7.0	7.0	7.9
Portland, Me.	4.5	4.5	4.6	4.2	4.3	4.1	4.4	5.1	5.6	6.7	7.0	7.4	8.3	9.4	9.4	9.3	8.4	7.3	6.0	4.6	5.1	4.6	4.4	4.2	6.0
Portland, Oreg.	9.0	7.4	6.0	5.2	4.8	4.1	4.2	4.0	3.8	3.6	4.8	5.7	6.8	6.5	6.8	6.7	7.1	7.8	8.5	8.7	9.7	9.7	9.6	9.4	6.7
Pueblo, Colo.	5.7	5.2	5.0	5.5	4.6	4.0	4.2	3.8	3.2	3.5	3.7	4.9	5.5	5.8	6.9	7.4	7.7	8.3	8.1	8.8	7.4	6.8	6.3	6.7	5.8
Raleigh, N. C.	3.6	4.0	3.3	3.8	3.5	3.7	4.0	4.8	5.6	5.2	5.7	5.7	6.0	6.5	6.3	5.9	5.0	4.9	3.7	4.0	4.2	4.0	3.6	3.6	4.6
Rapid City, S. Dak.	6.7	7.0	7.3	6.5	5.4	6.0	5.7	5.7	6.3	6.7	7.9	8.4	8.8	9.1	9.0	8.8	8.8	9.0	7.8	7.3	6.2	5.5	5.7	7.5	7.2
Red Bluff, Cal.	5.3	5.3	4.9	4.3	3.8	3.6	3.3	3.2	3.3	3.8	6.1	6.7	7.0	6.5	6.2	6.3	6.7	6.5	6.5	6.6	6.3	6.3	6.3	5.7	5.4
Richmond, Va.	3.2	3.3	3.1	2.7	3.0	3.0	3.2	4.1	4.2	4.4	4.9	4.6	4.8	5.0	4.6	4.9	5.1	4.8	4.4	3.9	3.7	3.3	3.0	3.2	3.9
Rochester, N. Y.	4.9	5.2	5.3	5.3	5.3	5.1	5.3	5.8	5.8	6.3	6.6	7.1	7.5	8.0	7.9	8.0	7.5	6.6	5.7	5.5	5.4	5.0	4.8	4.8	6.0
Roseburg, Oreg.	2.6	1.8	1.2	1.2	1.2	1.3	1.4	1.1	1.4	1.3	2.0	2.9	3.9	4.6	5.2	6.3	6.6	7.4	7.6	8.4	8.5	7.8	5.9	4.1	4.0
Sacramento, Cal.	9.7	9.2	9.4	9.1	9.6	9.0	8.3	8.1	8.2	7.4	7.1	7.6	7.9	7.7	8.5	8.4	9.6	10.3	11.0	11.4	11.5	11.3	11.3	11.3	9.3
St. Louis, Mo.	7.8	7.6	7.5	7.0	7.2	6.4	6.7	6.8	7.5	8.8	9.6	9.1	9.7	9.9	10.4	10.3	10.2	10.2	10.4	8.9	7.9	8.4	8.2	8.1	8.5
St. Paul, Minn.	4.7	4.8	4.5	4.3	4.6	4.3	4.6	4.7	5.4	6.9	7.7	8.5	9.5	10.0	10.0	10.1	9.9	9.3	7.9	6.8	6.4	5.5	5.4	5.0	6.7
Salt Lake City, Utah.	6.0	5.3	4.6	4.4	4.1	4.2	4.3	4.4	3.5	3.2	3.9	5.8	8.0	8.2	9.4	9.3	9.5	10.5	10.6	9.6	6.4	5.9	6.5	6.0	6.4
San Antonio, Tex.	5.7	5.1	4.6	4.6	4.7	4.6	4.4	4.1	5.3	6.6	7.8	7.4	7.9	7.7	8.6	9.4	10.0	10.2	9.7	9.6	8.6	8.2	7.9	6.5	7.1
San Diego, Cal.	3.3	3.3	3.2	3.4	3.5	3.4	3.5	3.7	3.9	4.1	4.3	5.1	7.5	9.0	10.3	10.7	10.8	10.1	9.5	8.6	7.6	6.1	4.7	4.0	6.0
Sandusky, Ohio	5.0	5.0	4.7	5.1	5.3	5.4	4.9	5.3	5.9	6.5	6.6	6.7	6.8	7.1	7.2	6.8	6.4	6.4	5.4	4.8	4.4	4.5	5.1	4.7	5.7
San Francisco, Cal.	11.3	10.6	9.3	8.8	8.3	7.9	7.0	7.3	6.7	7.1	7.3	8.3	8.9	11.5	15.0	18.6	21.3	23.2	22.7	23.1	21.2	19.1	17.0	13.2	13.1
San Luis Obispo, Cal.	3.0	2.7	2.5	2.3	2.4	2.8	2.5	2.9	2.6	3.0	3.8	4.4	5.4	6.5	7.6	8.9	10.2	10.6	10.0	9.6	8.2	5.9	4.5	3.6	5.2
Santa Fe, N. Mex.	5.9	5.9	5.5	5.3	4.0	3.9	3.8	2.9	2.8	3.3	4.8	5.8	6.3	6.6	7.6	8.4	9.8	9.3	9.5	9.8	8.0	5.4	6.0	5.6	6.1
Sault Ste. Marie, Mich.	4.1	3.7	3.7	3.8	3.6	3.5	3.5	4.3	4.8	6.0	6.8	7.7	7.7	8.3	9.0	9.0	8.2	8.1	6.5	5.3	4.3	3.8	3.7	3.5	5.5
Savannah, Ga.	5.2	4.9	5.2	4.6	4.5	4.4	4.4	5.3	5.5	5.6	6.0	6.5	6.6	7.4	8.1	8.4	9.3	8.9	8.4	6.5	6.9	6.3	5.7	5.1	6.2
Seattle, Wash.	4.3	3.9	3.9	3.9	3.9	4.0	4.0	3.6	3.8	3.9	4.4	4.9	5.5	5.6	5.8	5.4	5.7	6.6	6.6	6.4	6.2	5.5	5.0	4.9	4.9
Shreveport, La.	5.3	5.3	4.3	4.3	4.3	4.3	4.6	4.8	5.8	5.9	6.3	6.9	7.0	7.3	7.5	7.7	8.1	7.6	7.6	6.2	5.5	5.7	5.8	5.7	6.0
Sioux City, Iowa	12.0	11.8	13.1	12.1	12.7	11.5	10.9	10.9	10.7	12.5	13.9	14.1	15.1	15.9	16.3	16.3	15.9	15.2	14.3	12.5	12.3	12.5	12.4	12.2	13.2
Spokane, Wash.	6.0	5.8	5.2	5.2	5.9	5.8	5.6	5.5	6.1	6.2	7.3	7.4	6.9	7.8	8.2	9.0	8.5	8.4	8.2	7.8	7.9	7.2	6.5	5.7	6.8
Springfield, Ill.	6.7	6.5	6.4	6.4	6.4	6.4	5.4	5.7	6.4	7.2	7.6	7.5	8.3	8.8	9.6	9.2	9.0	8.2	6.9	6.2	5.7	6.5	6.0	6.7	7.1
Springfield, Mo.	9.0	8.4	8.0	8.1	8.3	8.1	7.9	7.2	8.2	9.8	10.3	10.6	10.8	11.4	12.0	11.3	10.8	11.0	9.9	8.2	8.8	8.5	8.3	8.9	9.3
Tacoma, Wash.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Tampa, Fla.	3.3	3.3	3.0	3.3	3.5	3.2	3.4	4.2	5.0	5.5	6.0	6.1	6.6	7.2	7.6	6.9	7.3	6.5	5.7	5.0	4.2	4.1	4.1	3.5	4.9
Toledo, Ohio	6.8	6.8	6.8	6.6	6.4	6.1	5.9	6.6	6.8	7.5	8.4	9.1	9.1	9.6	10.4	10.0	10.1	8.9	7.7	5.8	5.7	6.0	6.0	6.2	7.5
Valentine, Nebr.	11.5	10.7	9.3	9.2	9.1	8.3	8.9	8.4	9.5	12.4	12.2	12.5	13.3	13.8	14.2	14.8	14.8	14.4	14.2	12.4	9.7	8.9	10.7	11.1	11.4
Vicksburg, Miss.	4.6	4.1	4.0	3.9	4.0	3.9	4.1	4.1	4.3	5.2	5.1	6.0	6.5	6.8	7.0	7.1	6.6	6.1	4.8	4.1	4.7	4.9	4.8	4.8	5.1
Walla Walla, Wash.	5.8	5.7	6.0	6.2	5.7	6.1	5.7	5.6	5.4	5.9	6.5	7.1	7.2	7.4	7.2	7.3	7.3	7.4	6.9	6.8	6.4	6.0	5.6	5.7	6.4
Washington, D. C.	3.5	3.9	4.2	3.8	4.1	4.2	4.1	4.6	5.4	6.3	6.4	6.0	6.8	6.8	7.0	6.6	6.0	5.3	4.5	4.1	3.9	3.5	3.3	3.5	4.9
Wichita, Kans.	8.5	8.5	8.4	7.6	7.2	7.1	7.4	7.5	8.5	8.9	10.3	10.8	11.3	12.4	12.7	12.5	12.2	12.0	11.1	9.6	8.4	8.2	9.0	9.1	9.6
Williston, N. Dak.	8.7	9.0	8.3	6.9	6.7	6.5	6.8	6.8	8.5	9.1	8.9	10.4	11.5	10.6	10.4	9.8	10.7	11.1	11.5	10.5	10.7	10.2	8.6	8.2	9.2
Wilmington, N. C.	5.5	5.6	5.4	5.1	5.2	4.8	5.1	5.8	6.9	7.0	7.0	7.7	8.2	9.3	9.7	9.5	9.5	8.1	7.0	6.3	5.9	5.6	5.6	5.1	6.7
Winnemucca, Nev.	7.8	8.3	8.9	7.8	7.5	8.4	8.7	7.7	6.3	5.8	6.9	7.5	8.1	8.6	9.5	10.6	11.1	11.1	11.3	9.9	9.3	8.4	7.7	7.0	8.5
Yankton, S. Dak.	9.7	9.9	9.0	8.3	8.6	8.1	7.3	7.3	8.5	10.6	11.3	11.6	12.7	12.8	13.4	13.5	13.9	13.7	12.8	10.5	8.5	8.7	9.4	9.6	10.4
West Indies.																									
Basseterre, St. Kitts	9.5	10.5	10.4	10.2	10.1	10.3	11.1	12.5	12.4	13.2	13.5	13.1	12.7	12.5	12.2	11.4	10.5	10.0	9.5	10.0	10.0	9.8	9.7	10.0	11.0
Bridgetown, Bar.	4.3	4.4	4.0	3.9	4.2	4.8	5.9	8.6	10.1	10.5	10.8	10.2	10.6	9.6	9.2	8.4	7.0	5.3	4.6	4.4	4.4	5.0	4.8	4.6	6.7
Cienfuegos, Cuba	5.7	6.2	6.1	6.1	6.2	5.7	5.6	5.9	7.6	8.5	8.4	8.0	8.7	9.2	9.3	9.1	8.3	6.4	4.9	4.9	5.5	5.3	5.2	5.6	6.8
Havana, Cuba	5.5	5.5	5.0	4.6	4.8	5.2	5.0	6.0	10.4	12.5	13.4	15.6	17.1	18.9	19.2	18.5	18.0	16.6	14.6	12.0	11.2	10.0	8.6	6.6	11.0
Kingston, Jamaica	4.4	4.3	4.2	4.7	4.6	5.0	4.5	3.4	2.8	3.5	6.3	10.3	12.3	12.8	11.5	8.8	6.9	5.0	3.2	3.5	3.6	3.8	4.0	4.1	5.7
Port of Spain, Trin.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerto Principe, Cuba	4.6	4.5	4.1	4.2	3.9	4.1	4.5	9.2	13.3	12.9	12.1	11.5	11.8	12.5	13.1	14.2	14.6	12.6	9.6	7.4	6.9	5.8	5.5	5.1	8.7
Roseau, Dominica	4.3	4.3	4.7	4.1	4.2	4.1	3.6	3.4	4.2	5.1	6.0	6.4	6.5	6.3	6.1	5.8	5.0	3.5	3.9	4.4	4.3	4.5	4.2	4.0	4.7
San Juan, Porto Rico.	10.2	10.1	8.7	8.3	7.6	7.7	8.1	10.8	14.3	16.6	18.7	18.5	18.4	17.6	16.8	16.0	15.4	13.8	13.1	12.5	11.5	11.5	11.5	10.8	12.9
Santiago de Cuba	2.7	2.4	2.4	2.6	2.5	2.3	2.3	3.6	5.0	5.0	5.3	5.5	6.5	6.4	6.0	5.2	4.5	3.3	3.1	2.6	2.8	2.7	2.9	2.6	3.8
Santo Domingo, S. D.	4.3	4.5	4.5	4.4	4.5	5.0	4.3	5.5	5.9	5.7	6.3	7.0	6.9	6.9	7.2	7.0	6.2	5.8	5.0	5.0	5.1	5.0	5.0	4.5	5.5
Willemstad, Curaçao.	11.5	10.9	10.5	10.3	10.1	9.6	11.2	14.0	14.5	15.1	15.1	15.7	15.1	15.5	15.8	16.3	16.2	15.9	15.2	14.7	13.8	12.9	12.0	11.8	13.5

TABLE VI.—*Resultant winds from observations at 8 a. m. and 8 p. m., daily, during the month of August*, 1900.

Stations.	Component direction from— N.	S.	E.	W.	Resultant. Direction from—	Duration.
	Hours.	Hours.	Hours.	Hours.	°	Hours.
New England.						
Eastport, Me	26	18	7	23	n. 63 w.	18
Portland, Me	25	19	9	25	n. 69 e.	17
Northfield, Vt	23	33	4	11	s. 35 w.	12
Boston, Mass	19	17	13	19	n. 72 w.	6
Nantucket, Mass	19	21	19	21	s. 45 w.	3
Block Island, R. I	12	24	21	22	s. 9 w.	12
New Haven, Conn	23	15	18	21	n. 21 w.	8
Middle Atlantic States.						
Albany, N. Y	25	36	9	22	s. 50 w.	17
Binghamton, N. Y.†	19	5	1	10	n. 33 w.	16
New York, N. Y	17	19	17	23	s. 72 w.	6
Harrisburg, Pa.†	14	3	6	13	n. 32 w.	13
Philadelphia, Pa	22	20	14	21	n. 74 w.	7
Atlantic City, N. J	16	23	18	19	s. 8 w.	7
Cape May, N. J.	13	22	18	17	s. 6 e.	9
Baltimore, Md	22	12	23	16	n. 35 e.	12
Washington, D. C	26	16	11	21	n. 45 w.	17
Lynchburg, Va	17	16	12	29	n. 87 w.	17
Norfolk, Va	11	28	25	16	s. 28 e.	19
Richmond, Va	22	22	13	21	w.	8
South Atlantic States.						
Charlotte, N. C	20	25	18	19	s. 11 w.	5
Hatteras, N. C	16	20	16	24	s. 63 w.	9
Kittyhawk, N. C.*	4	17	10	11	s. 4 w.	13
Raleigh, N. C	18	20	6	31	s. 85 w.	25
Wilmington, N. C	14	20	11	30	s. 72 w.	20
Charleston, S. C	14	27	9	25	s. 51 w.	21
Augusta, Ga	19	25	9	28	s. 72 w.	20
Savannah, Ga	13	28	9	22	s. 41 w.	20
Jacksonville, Fla	7	29	21	22	s. 3 w.	22
Florida Peninsula.						
Jupiter, Fla	5	16	41	12	s. 69 e.	31
Key West, Fla	9	2	51	7	s. 81 e.	45
Tampa, Fla	26	11	36	7	n. 62 e.	33
Eastern Gulf States.						
Atlanta, Ga	18	17	14	28	n. 86 w.	14
Macon, Ga†	15	8	9	11	n. 16 w.	7
Pensacola, Fla.†	13	3	12	11	n. 6 e.	10
Mobile, Ala	24	21	13	20	n. 67 w.	8
Montgomery, Ala	20	14	19	22	n. 27 w.	7
Meridian, Miss.†	2	14	7	12	s. 23 w.	13
Vicksburg, Miss	7	34	21	14	s. 15 e.	28
New Orleans, La	12	29	26	13	s. 38 e.	22
Western Gulf States.						
Shreveport, La	7	37	21	7	s. 25 e.	33
Fort Smith, Ark	7	23	39	4	s. 65 e.	38
Little Rock, Ark	8	35	25	9	s. 31 e.	31
Corpus Christi, Tex	3	37	31	7	s. 35 e.	42
Fort Worth, Tex†	1	21	11	6	s. 14 e.	21
Galveston, Tex	5	41	23	5	s. 27 e.	40
Palestine, Tex	8	44	17	4	s. 20 e.	38
San Antonio, Tex	7	30	43	1	s. 61 e.	48
Ohio Valley and Tennessee.						
Chattanooga, Tenn	19	21	9	25	s. 83 w.	16
Knoxville, Tenn	25	18	16	20	n. 30 w.	8
Memphis, Tenn	8	30	20	16	s. 10 e.	22
Nashville, Tenn	18	17	14	26	n. 85 w.	12
Lexington, Ky†	4	19	6	9	s. 11 w.	15
Louisville, Ky	8	35	7	23	s. 31 w.	31
Evansville, Ind.†	2	15	9	8	s. 4 e.	13
Indianapolis, Ind	13	20	11	28	s. 68 w.	18
Cincinnati, Ohio	19	21	19	17	s. 34 e.	4
Columbus, Ohio	15	19	17	23	s. 56 w.	7
Pittsburg, Pa	32	9	6	30	n. 46 w.	33
Parkersburg, W. Va	20	28	9	18	s. 48 w.	12
Elkins, W. Va	23	23	6	23	w.	17
Lower Lake Region.						
Buffalo, N. Y	22	21	14	28	n. 66 w.	14
Oswego, N. Y	11	28	17	25	s. 28 w.	19
Rochester, N. Y	11	24	14	31	s. 52 w.	22
Erie, Pa	12	17	12	31	s. 75 w.	20
Cleveland, Ohio	15	27	20	17	s. 14 e.	12
Sandusky, Ohio	10	22	16	24	s. 34 w.	14
Toledo, Ohio	13	24	13	38	s. 66 w.	27
Detroit, Mich	12	21	15	28	s. 55 w.	16
Upper Lake Region.						
Alpena, Mich	15	24	17	19	s. 13 w.	9
Escanaba, Mich	19	27	10	16	s. 37 w.	10
Grand Haven, Mich	12	28	18	21	s. 11 w.	16
Marquette, Mich	16	25	14	25	s. 51 w.	14
Port Huron, Mich	18	23	14	22	s. 58 w.	9
Sault Ste. Marie, Mich	11	15	27	18	s. 66 e.	10
Chicago, Ill	13	29	21	20	s. 3 e.	16
Milwaukee, Wis	9	24	17	25	s. 28 w.	17
Green Bay, Wis	11	32	18	14	s. 11 e.	21
Duluth, Minn	32	7	30	13	n. 34 e.	30
North Dakota.						
Moorhead, Minn	18	22	27	12	s. 75 e.	16
Bismarck, N. Dak	23	14	28	10	n. 69 e.	19
Williston, N. Dak	21	19	19	15	n. 63 e.	4
Upper Mississippi Valley.						
St. Paul, Minn	5	36	16	18	s. 4 w.	18
Upper Mississippi Valley—Cont'd.						
La Crosse, Wis.†	4	21	6	5	s. 3 e.	17
Davenport, Iowa	8	32	18	16	s. 5 e.	24
Des Moines, Iowa	8	33	17	22	s. 11 w.	26
Dubuque, Iowa	9	38	15	14	s. 4 e.	29
Keokuk, Iowa	8	34	13	22	s. 19 w.	28
Cairo, Ill	6	37	16	17	s. 2 w.	31
Springfield, Ill	2	39	10	24	s. 21 w.	40
Hannibal, Mo†	1	19	6	14	s. 24 w.	20
St. Louis, Mo	4	44	9	15	s. 9 w.	40
Missouri Valley.						
Columbia, Mo.*	3	21	8	5	s. 9 e.	18
Kansas City, Mo	9	41	25	4	s. 34 e.	38
Springfield, Mo	4	42	17	9	s. 11 e.	39
Lincoln, Nebr	5	41	26	5	s. 30 e.	42
Omaha, Nebr	4	36	29	8	s. 33 e.	39
Valentine, Nebr	14	34	15	12	s. 9 e.	20
Sioux City, Iowa†	4	21	9	5	s. 13 e.	18
Pierre, S. Dak	16	22	30	8	s. 75 e.	23
Huron, S. Dak	14	29	28	9	s. 52 e.	24
Yankton, S. Dak†	6	15	8	9	s. 6 w.	9
Northern Slope.						
Havre, Mont	19	14	13	30	n. 74 w.	18
Miles City, Mont	21	16	25	14	n. 66 e.	12
Helena, Mont	12	25	5	39	s. 69 w.	36
Kalispell, Mont	15	13	10	36	n. 86 w.	26
Rapid City, S. Dak	22	16	16	24	n. 53 w.	10
Cheyenne, Wyo	20	21	5	32	s. 86 w.	27
Lander, Wyo	6	33	3	36	s. 50 w.	43
North Platte, Nebr	7	27	21	12	s. 24 e.	22
Middle Slope.						
Denver, Colo	11	35	12	16	s. 9 w.	24
Pueblo, Colo	24	14	22	20	n. 11 e.	10
Concordia, Kans	4	48	13	4	s. 12 e.	45
Dodge, Kans	5	44	22	3	s. 26 e.	43
Wichita, Kans	3	51	10	3	s. 8 e.	48
Oklahoma, Okla	3	51	15	1	s. 16 e.	50
Southern Slope.						
Abilene, Tex	0	41	41	1	s. 44 e.	57
Amarillo, Tex	3	50	9	11	s. 2 w.	47
Southern Plateau.						
El Paso, Tex	18	9	31	17	n. 57 e.	17
Santa Fe, N. Mex	11	26	29	14	s. 45 e.	21
Flagstaff, Ariz	21	14	3	28	n. 74 w.	26
Phenix, Ariz	22	4	24	16	n. 24 e.	20
Yuma, Ariz	8	17	13	30	s. 62 w.	19
Independence, Cal	11	27	19	25	s. 21 w.	17
Middle Plateau.						
Carson City, Nev	12	16	1	44	s. 85 w.	43
Winnemucca, Nev	18	18	13	24	w.	11
Cedar City, Utah	4	42	19	18	s. 2 e.	38
Salt Lake City, Utah	17	30	17	14	s. 13 e.	13
Grand Junction, Colo	16	14	21	18	n. 56 e.	4
Northern Plateau.						
Baker City, Oreg	21	27	11	14	s. 27 w.	7
Boise, Idaho	23	14	13	29	n. 61 w.	18
Pocatello, Idaho	14	26	5	27	s. 61 w.	25
Spokane, Wash	12	31	9	22	s. 34 w.	23
Walla Walla, Wash	7	40	7	18	s. 18 w.	35
North Pacific Coast Region.						
Neah Bay, Wash	7	10	7	24	s. 80 w.	17
Port Crescent, Wash*	1	4	4	19	s. 79 w.	15
Seattle, Wash	11	26	18	20	s. 8 w.	15
Tacoma, Wash	24	22	2	30	n. 86 w.	28
Astoria, Oreg	17	20	1	39	s. 86 w	38
Portland, Oreg	26	21	5	28	n. 78 w.	24
Roseburg, Oreg	37	3	12	19	n. 12 w.	35
Middle Pacific Coast Region.						
Eureka, Cal	25	14	5	36	n. 70 w.	33
Mount Tamalpais, Cal	20	1	2	43	n. 65 w.	45
Red Bluff, Cal	19	29	23	4	s. 62 e.	22
Sacramento, Cal	4	42	11	25	s. 20 w.	40
San Francisco, Cal	0	22	1	51	s. 66 w.	55
South Pacific Coast Region.						
Fresno, Cal	39	1	1	43	n. 48 w.	57
Los Angeles, Cal	8	23	13	33	s. 53 w.	25
San Diego, Cal	20	19	7	32	n 88 w.	25
San Luis Obispo, Cal	6	16	3	37	s. 74 w.	35
West Indies.						
Basseterre, St. Kitts Island	11	2	54	0	n. 82 e.	55
Bridgetown, Barbados	11	9	52	1	n. 88 e.	51
Cienfuegos, Cuba	39	1	43	1	n. 48 e.	57
Havana, Cuba	21	2	51	1	n. 69 e.	54
Kingston, Jamaica	46	3	21	6	n. 19 e.	46
Port of Spain, Trinidad	13	9	50	2	n. 85 e.	48
Puerto Principe, Cuba	23	2	50	2	n. 66 e.	52
Roseau, Dominica, W. I	25	1	44	6	n. 58 e.	45
San Juan, Porto Rico	4	15	53	1	s. 77 e.	53
Santiago de Cuba, Cuba	39	7	29	5	n. 37 e.	40
Santo Domingo, S. Domingo, W. I.	51	3	9	4	n. 6 e.	48
Turks Island, W. I.†	2	14	23	0	s. 62 e.	26
Willemstad, Curaçao	1	4	59	0	s. 87 e.	59

* From observations at 8 p. m. only.

† From observations at 8 a. m. only.

TABLE VII.—*Thunderstorms and auroras, August, 1900.*

States.	No. of stations.		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total. No.	Total. Days.	
Alabama	52	T.	1	2	1	2	2			1	2	3	3	6	1	4	5	5	4	2	1	2	1	7	6	2	2	3	5	6	4	6	2	91	29	T
		A.																																0	0	A
Arizona	56	T.	4	8	9	7	4										1	2	10	8	2											3	5	63	12	T.
		A.																																0	0	.
Arkansas	57	T.			1			3								2	1	1	4	5	2	3	3	10	9	7	10	10	13	2	4	7	4	101	20	T.
		A.																																0	0	A.
California	167	T.	5						2			1				3				1	1	3	1	1		1				2	1	3	1	26	14	T.
		A.																																0	0	A.
Colorado	81	T.	2	9	9	9	14	15	4	4	13	10				1	1		2	5	5	14	14	9	7	2					2	7	5	163	28	T.
		A.																																0	0	A.
Connecticut	21	T.						10	6	3		2		2			9	8	8		1					1	1	3	4	1	3			62	15	T.
		A.																																0	0	A.
Delaware	5	T.						1	3	1				1						2			1		1	1		1	1					13	10	T.
		A.																																0	0	A.
Dist. of Columbia	4	T.												1			1				1					1		1	1					6	6	T.
		A.																																0	0	A.
Florida	47	T.	10	9	6	8	12	3	2	1	1	5	5	8	9	6	6	7	5	3	3	4	4	10	8	6	8	5	4	6	6	6	3	179	31	T.
		A.																																0	0	A.
Georgia	55	T.		1	2	2	2				2	1	3	3	2	5	5	4	5	3	6	3	4	10	10	8	11	1	1	3	7	13	6	123	27	T.
		A.																																0	0	A.
Idaho	34	T.	3							1	1	2	3								4	4	6	5	1					1	1			32	11	T.
		A.																																	0	A.
Illinois	92	T.	12	1			1	1					16	24	7	33	29	19	13	5	5	6	11	9	22	20	13	6	1	2	2	2	6	266	25	T.
		A.																																0	0	A.
Indiana	58	T.	1	8	4	4	1						3	23	7	21	19	10	12	9	7	10	10	14	13	3	10	6		1			2	198	22	T.
		A.																																0	0	A.
Indian Territory	11	T.			1	1	1																1	2		2	3	1	3	6		2	1	24	12	T.
		A.																																0	0	A.
Iowa	149	T.	4				1	1		4		2	25	30	15	30	37	22	15	1		5	6	11	26	28	6		4				3	276	21	T.
		A.																																0	0	A.
Kansas	77	T.						1		3		1	7	4	6		14	2	1		2	1	17	15	14	15	16	2	16	7		4	13	161	21	T.
		A.																																0	0	A.
Kentucky	41	T.	5	6	6							1		6	13	7	4	9	3			2	7	15	7	5	2	5	1	4	4		4	116	21	T.
		A.																																0	0	A.
Louisiana	46	T.	9	7	5	4	2	1	3		2	3	4	3	3	2	4	7	2	6	6	2	2	4	4	1	3	11	7	4	4	8	5	128	30	T.
		A.																																0	0	A.
Maine	19	T.		1								1	1									2	1	3				2			1			12	8	T.
		A.																																0	0	A.
Maryland	48	T.			2	1				1	2		2	14	7		13	7	3	9	4	10	4	1	4	14	2	11	18	1	6			136	22	T.
		A.																																0	0	A.
Massachusetts	48	T.	4				1	11	9	2		13		2	1	1	19	12	12	1	7	1			2	2		1	8	4	3			116	21	T.
		A.																																0	0	A.
Michigan	106	T.	1	5		2	4	5	4	9	3	4	8	11		10	4		5	3	34	28	1	1	16	16	12	9	5	5		2		207	5	T.
		A.																																0	0	A.
Minnesota	67	T.	6	4	1	8	8	12	11	15	12	12	15	14	4	12	6	4	3	5	6	5	1	15	8	8	5		2		4	4		210	28	T.
		A.																																0	0	A.
Mississippi	44	T.	1	3	3	6	5	3	1		1	2	1			2	6	7	9	3	4			10	4	4	3	5	5	2	7	8	3	108	26	T.
		A.																																0	0	A.
Missouri	95	T.	2	1			1			2			13	17	29	12	16	8	1	14	6	1	38	23	22	28	38	13	32	5	2	4	7	335	25	T.
		A.																																0	0	A.
Montana	40	T.	1			1	6	10	6	8	3	8	10			1	6	2			1	2	5	2	1	1	1			1	1	2		79	22	T.
		A.			1																													1	1	A.
Nebraska	142	T.			1	3	4	11	5	12		3	22	16	8	13	27	16	6		2	5	21	4	23	12	1	4	26	1	2	2	3	253	28	T.
		A.																		1														1	1	A.
Nevada	40	T.	1	1		1												1	1	1	3			1										10	8	T.
		A.																																0	0	A.
New Hampshire	19	T.			1			7	4	1	1	5	4		2		2	3						2		1		5	5	1	2			46	16	T.
		A.																																0	0	A.
New Jersey	51	T.			4			13	9	13	4			19	9	2	11	15	7	14						19	6	22	14	3	15			199	18	T.
		A.																										1						1	1	A.
New Mexico	31	T.		1	3	5	4	3	2	5	6	2							3	2	1	1	1	1						2	3	2	1	48	19	T.
		A.																																0	0	A.
New York	99	T.	7	4	1	2	6	14	23	10	4	6	7	10	6	3	13	10	3	8	1	3	2		1	12		15	31	4	12			218	27	T.
		A.																																0	0	A.
North Carolina	56	T.	1	1	4	1				1		1	8	11	13	2	4	17	8	3	3	16	14	16	14	11	5	5	7	14	22	9	3	214	27	T.
		A.																																0	0	A.
North Dakota	48	T.	2	1	1	6	3	3	2	4	8	5	4	5	1	5		1	6	3	2	3	3	6	1	1	1				2		2	81	26	T.
		A.																																0	0	A
Ohio	128	T.	2	9	3		1					1	7	28	6	9	35	11	4	6	37	39	18	3	25	26	22	17	9	1			1	320	24	T.
		A.																																0	0	A.
Oklahoma	23	T.							1															2	9	2	3		1	6		2		26	8	T.
		A.																																0	0	A.
Oregon	74	T.							4	6		1			2	1				3	5	6	2	3				1	4	1	1			40	14	T.
		A.																																0	0	A.
Pennsylvania	91	T.	2	1				9	8	3	1		4	26	7	2	15	18	4	16	5	9	5		1	22	4	18	28	4	2	2		216	25	T.
		A.																																0	0	A.
Rhode Island	7	T.																	2		1													3	2	T.
		A.																																0	0	A.
South Carolina	46	T.	3	1	5	3				1		3	4	8	2	6	5	3	11	4	2	7	5	8	20	7	10	3	2	2	12	9	9	145	27	T.
		A.																																0	0	A.
South Dakota	56	T.		1		9	12	7	4		8	9	11	11	8	10	3	3	4	2	1		8	6	8	6		3	1			1		136	23	T.
		A.																																0	0	A.
Tennessee	56	T.	1		1		1		1			2	2	5	9	3		4	8	2	3	4	6	14	12	2	7	2	1	11	13	4	8	125	25	T.
		A.																																0	0	A.
Texas	95	T.	11	7	8	3	3	6	8	12	4	3	1	1				3	1	6	12	3	1	1			1	2	5	8	11	7	6	134	26	T.
		A.																																0	0	A.
Utah	47	T.	3	3	4	9	2												2	3	5	5			1	1							1	39	12	T.
		A.																																0	0	A.
Vermont	16	T.		1				6	3	2		4	3	1			1	2						1		1		5	5		4			39	14	T.
		A.																																0	0	A.
Virginia	50	T.	6						2	2	2	1	8	2	3	4	12	2	6	2	6	4	7	4	9	1	3	5	2	8	4	1		106	25	T.
		A.																																0	0	A.
Washington	64	T.	2	1			1		1	1	1	3	7											3			1			2				23	13	T.
		A.																																0	0	A.
West Virginia	43	T.		1						1				9	5	1	7	10		10	5	9	7	2	3	5	3	2	1		2	1		84	19	T.
		A.																																0	0	A.
Wisconsin	60	T.	7	13	6	1		4	3	3	7	5	7	9	1	7	8	3	1	1	5	17	4	9	17	16	4	2	2					162	26	T.
		A.																																0	0	A.
Wyoming	31	T.		1	2	3	2				3	2	1	1		2	1	2	1		1	1	2	2	2							1	2		32	19	T.
		A.																																0	0	A.
Sums	2,893	T.	119	112	94	101	104	160	131	132	91	127	219	331	186	222	350	260	195	171	208	239	244	265	321	321	217	207	275	131	170	123	104	5,930	...	T.
		A.	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	3	....	A.

TABLE VIII.—*Average hourly sunshine (in percentages), August, 1900.*

Stations.	Instrument.	Percentages for each hour of local mean time ending with the respective hour. A. M. 5	6	7	8	9	10	11	Noon	P. M. 1	2	3	4	5	6	7	8	Hours of sunshine. Total. Actual.	Possible.	Percent of possible.	Personal estimate.
																		Hours.	*Hours*		
Albany, N. Y	T.	44	23	38	62	78	82	89	88	90	86	90	84	76	58	42	34	305.0	431.3	71	59
Atlanta, Ga	T.	.....	65	73	83	82	85	88	90	90	87	77	65	60	58	28	.....	309.4	415.8	74	59
Atlantic City, N. J	T.	.....	50	57	78	88	94	94	91	93	93	88	85	77	69	60	82	340.4	423.2	80	63
Baltimore, Md	T.	.....	25	29	52	63	80	84	84	82	76	78	74	52	17	9	0	247.8	423.2	59	60
Binghamton, N. Y	T.	33	27	26	41	55	69	72	74	76	73	64	65	54	47	40	65	242.6	429.4	56	43
Bismarck, N. Dak	P.	29	45	51	62	66	77	77	73	75	84	81	76	71	43	23	32	282.7	440.0	64	72
Boise, Idaho	P.	73	50	65	80	85	88	92	86	80	82	80	76	77	67	55	79	331.1	433.6	76	62
Boston, Mass	T.	67	44	55	61	63	68	66	69	69	69	66	64	55	49	49	54	260.6	429.4	61	52
Buffalo, N. Y	T.	67	37	63	80	81	84	90	95	97	95	92	85	80	67	48	28	338.0	431.3	78	46
Cedar City, Utah	T.	.....	76	78	81	88	93	95	98	93	91	85	84	83	79	74	43	361.5	422.1	86	77
Charleston, S. C	T.	.....	30	33	66	75	79	66	83	78	77	68	67	45	30	32	.....	251.1	414.0	61	60
Chattanooga, Tenn	T.	.....	67	69	65	83	90	93	87	83	70	68	65	55	42	44	100	294.0	417.1	70	65
Cheyenne, Wyo	P.	100	75	77	89	90	93	94	79	74	68	68	64	55	47	41	45	310.3	427.4	73	59
Chicago, Ill	T.	67	43	45	54	54	60	64	71	76	78	76	66	56	45	46	54	256.7	429.4	60	55
Cincinnati, Ohio	T.	.....	66	65	76	87	91	96	98	98	98	92	85	82	73	63	100	356.4	423.2	84	58
Cleveland, Ohio	T.	83	65	65	65	70	81	87	88	84	80	78	85	64	59	53	81	315.6	429.4	73	65
Columbia, Mo	T.	.....	77	71	79	85	95	98	96	95	92	89	84	78	67	60	91	354.2	423.2	84	59
Columbus, Ohio	T.	0	52	52	57	75	83	78	85	92	95	89	81	74	57	48	71	312.5	425.2	73	65
Denver, Colo	P.	0	78	88	94	95	96	95	90	80	75	69	56	49	27	9	0	304.6	425.2	72	56
Des Moines, Iowa	T.	100	46	47	64	83	83	82	84	75	70	66	64	52	44	46	54	278.8	429.4	65	52
Detroit, Mich	T.	50	32	30	58	72	74	81	80	82	80	72	60	49	43	41	46	263.3	429.4	61	51
Dodge, Kans	P.	.....	75	82	91	91	92	93	95	91	95	96	92	85	80	67	71	371.3	422.1	88	71
Dubuque, Iowa	T.	33	41	50	65	78	85	91	94	94	93	93	87	79	62	54	73	328.6	429.4	77	64
Eastport, Me	P.	37	38	46	46	58	64	60	67	75	66	61	65	58	53	48	50	250.1	435.6	57	42
Elkins, W. Va	T.	.....	3	8	29	65	79	86	86	88	90	90	87	67	29	21	36	254.1	423.2	60	55
Erie, Pa	T.	33	34	37	53	66	77	87	85	84	86	81	80	71	45	19	19	279.4	429.4	65	54
Escanaba, Mich	T.	19	20	23	35	47	56	64	61	59	62	60	53	40	16	10	9	188.4	437.6	43	43
Eureka, Cal	P.	100	32	33	32	42	54	61	69	74	70	73	75	73	75	69	95	255.2	427.4	60	53
Fresno, Cal	T.	.....	89	87	90	92	97	98	99	99	100	99	97	95	90	87	100	396.7	420.1	94	90
Galveston, Tex	P.	.....	13	38	72	70	77	68	51	78	75	74	65	66	53	14	.....	248.8	408.0	61	53
Grand Junction, Colo	P.	.....	84	72	86	84	89	89	87	73	73	82	71	70	60	71	73	329.5	423.2	78	61
Harrisburg, Pa	T.	0	67	62	65	68	85	84	87	85	85	73	74	66	53	42	50	303.9	425.2	71	61
Helena, Mont	P.	65	62	69	79	86	88	83	75	68	66	64	57	53	45	39	48	293.5	440.0	67	46
Huron, S. Dak	T.	53	49	50	50	65	82	75	80	85	72	72	74	67	53	49	54	285.9	433.6	66	61
Indianapolis, Ind	T.	0	59	58	59	74	87	86	83	86	85	83	80	69	53	49	100	309.5	425.2	73	55
Jacksonville, Fla	T.	7	76	75	80	82	84	88	88	81	77	73	62	49	27	23	.....	286.7	409.7	70	58
Jupiter, Fla	T.	.....	36	77	90	88	95	96	94	95	95	92	82	68	42	30	.....	325.1	405.3	80	59
Kalispell, Mont	T.	33	24	23	30	38	46	59	57	63	65	57	50	36	10	0	0	174.2	442.5	39	39
Kansas City, Mo	P.	.....	68	68	74	85	82	78	69	66	69	75	74	73	67	73	91	309.8	423.2	73	68
Knoxville, Tenn	T.	.....	74	71	72	85	90	87	95	97	95	95	82	75	58	53	56	340.1	418.7	81	70
Lexington, Ky	T.	.....	81	88	93	97	97	98	96	91	92	92	88	82	70	52	71	361.8	422.1	87	54
Little Rock, Ark	T.	.....	76	82	88	91	92	95	96	91	87	92	91	92	79	69	100	366.3	417.1	88	64
Los Angeles, Cal	P.	.....	20	21	27	33	48	69	80	92	94	95	96	96	91	87	0	285.5	415.8	69	64
Louisville, Ky	T.	.....	81	81	82	91	92	96	91	85	81	71	73	66	55	62	43	333.7	422.1	79	68
Macon, Ga	T.	.....	69	78	90	93	97	100	100	100	98	95	83	63	50	35	.....	346.0	414.0	84	57
Meridian, Miss	T.	.....	75	71	69	73	75	76	71	77	68	61	48	43	45	49	.....	265.6	412.6	64	60
Mount Tamalpais, Cal	P.	.....	80	81	81	83	86	88	86	91	94	93	90	87	84	85	100	364.9	422.1	86	80
Nashville, Tenn	T.	.....	84	82	93	94	97	97	99	98	92	88	85	83	72	71	100	370.4	418.7	88	66
New Haven, Conn	T.	100	48	49	65	81	92	92	97	98	95	90	84	77	59	36	65	327.0	427.4	77	70
New Orleans, La	T.	.....	40	45	48	64	72	74	66	64	66	55	60	41	29	25	.....	224.1	409.7	55	53
New York, N. Y	T.	50	53	53	58	72	79	79	79	85	82	75	77	66	47	39	35	289.3	427.4	68	56
Norfolk, Va	T.	.....	63	67	80	93	93	96	95	92	92	88	82	69	58	49	80	338.4	420.1	81	66
Northfield, Vt	P.	33	24	33	44	58	71	70	69	61	69	60	57	50	42	26	21	227.0	433.6	52	40
Oklahoma, Okla	T.	.....	62	66	73	80	88	90	92	93	91	89	84	82	72	59	100	336.5	417.1	81	60
Omaha, Nebr	T.	100	56	65	82	87	92	94	91	94	91	90	92	90	70	46	65	350.2	427.4	82	65
Parkersburg, W. Va	T.	.....	52	55	75	77	77	74	77	65	77	79	85	75	55	44	82	295.5	423.2	70	70
Phenix, Ariz	P.	.....	73	80	88	93	97	95	93	94	93	92	92	85	82	69	.....	366.0	414.0	88	76
Philadelphia, Pa	T.	0	56	55	56	64	70	79	78	85	82	78	71	60	34	42	78	277.3	425.2	65	57
Pittsburg, Pa	T.	100	61	58	62	65	68	70	73	71	61	45	37	25	29	30	60	231.3	427.4	54	55
Pocatello, Idaho	T.	44	51	57	70	81	87	88	91	94	89	82	75	65	51	45	50	316.8	431.3	73	58
Portland, Me	T.	13	5	36	62	75	85	87	89	88	93	85	90	71	48	27	28	288.5	433.6	67	55
Portland, Oreg	T.	27	26	26	24	35	50	58	61	67	70	69	67	66	57	49	61	227.7	437.6	52	51
Pueblo, Colo	T.	.....	78	82	94	98	99	100	100	100	100	97	95	79	68	48	43	375.5	422.1	89	69
Raleigh, N. C	T.	.....	71	72	86	97	100	100	100	100	95	91	88	78	59	47	56	357.4	418.7	85	76
Rochester, N. Y	T.	78	36	38	45	58	66	67	65	72	66	71	61	45	17	16	9	223.1	431.3	52	47
St. Louis, Mo	T.	.....	68	66	72	86	91	95	91	90	95	87	84	75	60	55	91	338.6	423.2	80	65
St. Paul, Minn	P.	5	27	33	48	62	68	69	62	58	62	60	62	53	35	22	17	223.4	435.6	51	48
Salt Lake City, Utah	T.	50	67	74	85	84	89	91	92	92	93	94	86	88	73	60	40	357.6	427.4	84	80
San Diego, Cal	P.	.....	11	15	21	42	62	85	95	92	92	89	86	80	73	53	.....	272.0	444.0	66	70
San Francisco, Cal	T.	.....	54	55	65	70	82	89	94	93	98	98	89	77	58	53	100	327.7	422.1	78	64
Santa Fe, N. Mex	P.	.....	76	84	91	99	97	93	95	84	85	85	78	68	61	51	68	846.1	418.7	83	71
Sault Ste. Marie, Mich	T.	12	12	34	52	60	72	78	77	86	82	75	76	72	58	23	17	266.5	437.6	61	45
Savannah, Ga	T.	.....	85	86	93	98	98	99	91	95	86	76	74	74	66	58	.....	352.5	412.6	85	73
Seattle, Wash	T.	0	3	5	15	23	43	58	61	63	64	64	61	50	28	10	11	170.0	442.5	88	42
Spokane, Wash	T.	9	22	23	45	58	68	67	72	72	68	66	63	67	43	36	38	240.3	442.5	54	44
Tacoma, Wash	T.	12	14	28	44	52	71	77	88	84	79	81	74	69	62	44	54	271.6	440.0	62	42
Tampa, Fla	T.	.....	67	71	84	87	92	89	84	84	74	70	59	38	31	26	.....	283.1	406.9	70	34
Toledo, Ohio	T.	67	58	54	58	75	79	83	88	85	78	72	73	68	49	43	54	296.8	429.4	69	65
Topeka, Kans	T.	.....	68	62	67	75	73	76	79	84	85	82	75	70	69	71	91	313.7	423.2	74	62
Vicksburg, Miss	T.	.....	80	78	84	91	95	96	98	97	87	79	79	68	66	64	.....	344.1	412.6	83	59
Washington, D. C	P.	.....	68	70	84	85	83	79	83	79	85	78	82	81	75	73	73	334.7	423.2	79	68
Wilmington, N. C	T.	.....	74	76	87	95	100	96	97	93	84	81	79	78	63	55	100	347.3	415.8	84	67
Yankton, S. Dak	T.	33	10	18	31	44	56	52	59	55	57	56	59	54	42	17	44	189.9	431.3	44	45
Basseterre, St. Kitts	T.	.....	27	28	56	77	81	91	90	91	92	88	72	55	35	31	.....	272.0	393.4	69	48
Bridgetown, Barbados	T.	.....	48	60	73	72	73	77	76	76	68	63	53	48	39	31	.....	247.1	389.0	64	38
Cienfuegos, Cuba	T.	.....	81	81	81	86	94	92	88	87	79	57	36	18	6	0	.....	259.2	399.1	65	59
Havana, Cuba	T.	.....	76	76	82	85	93	91	89	85	80	63	47	39	35	33	.....	283.0	400.2	71	48
Kingston, Jamaica, W. I	T.	.....	60	62	91	95	95	94	91	84	69	56	50	42	36	35	.....	277.8	394.4	70	55
Port of Spain, Trinidad, W. I	T.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Puerto Principe, Cuba	T.	.....	62	64	64	80	85	79	78	74	67	67	42	20	15	3	.....	234.8	398.1	59	52
Roseau, Dominica, W. I	T.	.....	23	23	26	59	80	88	84	80	83	79	80	75	46	38	.....	255.1	391.1	65	40
San Juan, Porto Rico	T.	.....	23	35	60	80	86	85	75	74	73	62	62	52	40	18	.....	247.4	394.4	63	56
Santiago de Cuba, Cuba	T.	.....	90	89	86	89	93	87	77	77	69	62	46	27	25	13	.....	268.3	396.8	68	38
Santo Domingo, Santo Domingo	T.	.....	75	74	75	82	88	87	72	76	68	57	52	30	24	27	.....	254.3	394.4	64	59
Willemstad, Curaçao	T.	.....	19	20	49	73	85	86	83	86	88	91	97	90	62	49	.....	288.0	388.0	74	63

TABLE IX.—*Accumulated amounts of precipitation for each 5 minutes, for storms in which the rate of fall equaled or exceeded 0.25 in any 5 minutes, or 0.75 in 1 hour during August, 1900, at all stations furnished with self-registering gages.*

Stations.	Date.	Total duration. From—	Total duration. To—	Total amt. of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive 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.
	1	2	3	4	5	6	7														
Albany, N. Y.	16			1.34														0.52			
Alpena, Mich.	19-20			1.04														0.87			
Atlanta, Ga.	23	5.45 p.m.	6.05 p.m.	0.63	5.45 p.m.	5.56 p.m.	0.00	0.34	0.60	0.62	0.63										
Atlantic City, N. J.	3			0.23									0.23								
Baltimore, Md.	20-21	D. N.	7.30 p.m.	1.48	5.47 a.m.	6.20 a.m.	0.25	0.10	0.37	0.58	0.72	0.85	0.91	0.93	0.94	0.97	1.00	1.06			
Binghamton, N. Y.	8			0.12											0.12						
Bismarck, N. Dak.	10-11			0.80														0.55			
Boise, Idaho	21			0.06					0.06												
Boston, Mass.	16	3.10 a.m.	12.55 p.m.	1.04	12.10 p.m.	12.30 p.m.	0.50	0.15	0.35	0.51	0.54										
Buffalo, N. Y.	12-13	10.40 p.m.	8.04 a.m.	0.66	7.15 a.m.	7.40 a.m.	0.11	0.07	0.13	0.17	0.21	0.52	0.54								
Do	18	2.25 p.m.	3.55 p.m.	1.16	2.57 p.m.	3.25 p.m.	T.	0.28	0.60	0.81	1.00	1.08	1.10	1.11							
Cairo, Ill.	30			0.13							0.13										
Cedar City, Utah	19			0.22														0.20			
Charleston, S. C.	1			0.30														0.24			
Chicago, Ill.	17	1.06 p.m.	4.27 p.m.	0.86	3.58 p.m.	4.20 p.m.	0.25	0.13	0.22	0.44	0.58	0.61									
Cincinnati, Ohio	3	5.40 a.m.	8.35 a.m.	2.00	5.49 a.m.	6.21 a.m.	0.03	0.18	0.43	0.77	0.83	0.96	1.00	1.17	1.24	1.26	1.28	1.29	1.74	1.74	1.96
Cleveland, Ohio	19			0.41							0.41										
Columbia, Mo.	25	3.02 p.m.	6.50 p.m.	2.24	3.12 p.m.	4.00 p.m.	0.01	0.29	0.76	1.00	1.23	1.52	1.63	1.75	1.86	1.95	1.99	2.01			
Columbus, Ohio	15-16	10.15 p.m.	D. N.	1.12	10.25 p.m.	11.15 p.m.	0.01	0.09	0.37	0.44	0.45	0.51	0.64	0.78	0.98	1.08	1.11				
Denver, Colo.	30			0.02														0.02			
Des Moines, Iowa*																					
Detroit, Mich.	19	4.20 p.m.	4.55 p.m.	0.81	4.25 p.m.	4.41 p.m.	0.03	0.17	0.44	0.70	0.76										
Dodge, Kans	22			0.80														0.54			
Duluth, Minn.	22			0.84														0.53			
Eastport, Me.	13-14			1.24														0.48			
Elkins, W. Va	21	12.10 a.m.	5.00 a.m.	1.24	12.12 a.m.	12.30 a.m.	T.	0.22	0.54	0.68	0.76	0.77									
Erie, Pa.	15-16			0.74														0.58			
Escanaba, Mich.	9			0.80														0.46			
Evansville, Ind	13			0.26														0.26			
Fort Worth, Tex.	10			0.56														0.52			
Fresno, Cal.				0.00														0.00			
Galveston, Tex.	3	7.10 a.m.	11.40 a.m.	2.93	7.12 a.m.	8.25 a.m.	T.	0.19	0.40	0.78	1.03	1.20	1.32	1.40	1.50	1.52	1.53	2.02	2.63	2.74	
Grand Junction, Colo.	5			0.10							0.10										
Harrisburg, Pa	27	7.34 p.m.	10.20 p.m.	1.25	7.38 p.m.	8.10 p.m.	T.	0.18	0.39	0.60	0.76	0.88	0.96	1.00							
Hatteras, N. C.	20			1.10														*			
Huron, S. Dak.	4-5	8.07 p.m.	5.25 a.m.	2.50	8.25 p.m.	9.50 p.m.	T.	0.05	0.09	0.17	0.21	0.34	0.40	0.48	0.73	0.93	1.02	1.06	1.45	1.53	
Do	9-10	9.32 p.m.	1.50 a.m.	1.37	11.14 p.m.	11.45 p.m.	0.36	0.14	0.28	0.37	0.42	0.55	0.70	0.72							
Indianapolis, Ind.	12	1.50 p.m.	5.00 p.m.	1.29	2.47 p.m.	3.20 p.m.	0.06	0.18	0.32	0.83	0.95	1.01	1.07	1.10							
Jacksonville, Fla.	22	3.50 p.m.	7.15 p.m.	1.68	4.08 p.m.	4.40 p.m.	T.	0.16	0.43	0.76	1.02	1.28	1.39	1.45	1.47						
Jupiter, Fla.	30			0.48														0.46			
Kalispell, Mont	30			0.22														0.18			
Kansas City, Mo.	27	10.10 a.m.	12.00 m.	0.82	10.22 a.m.	10.45 a.m.	T.	0.33	0.56	0.71	0.76	0.79	0.80								
Key West, Fla.	31			0.46								0.46									
Knoxville, Tenn	23	8.30 p.m.	10.15 p.m.	1.24	8.42 p.m.	9.20 p.m.	T.	0.12	0.22	0.37	0.64	0.86	1.03	1.20	1.22						
Lexington, Ky.	3	8.01 a.m.	10.45 a.m.	0.87	8.15 a.m.	8.37 a.m.	0.07	0.18	0.36	0.51	0.60	0.64									
Do	22	12.07 p.m.	5.15 p.m.	2.18	12.19 p.m.	1.10 p.m.	T.	0.22	0.43	0.68	0.96	1.32	1.53	1.66	1.81	1.86	1.96	2.01			
Lincoln, Nebr.	15-16	9.47 p.m.	7.40 a.m.	4.27	12.15 a.m.	1.35 a.m.	0.07	0.10	0.22	0.28	0.38	0.45	0.50	0.85	1.29	1.61	1.76	1.79			
					3.30 a.m.	4.10 a.m.	1.94	0.09	0.22	0.41	0.61	0.68	0.81	0.87	0.95	0.98	0.99	1.01			
Do	23-24	11.40 p.m.	3.30 a.m.	1.19	11.40 p.m.	11.55 p.m.	0.00	0.46	0.82	0.87	0.88										
Little Rock, Ark.	26	4.20 a.m.	3.00 p.m.	2.00	8.20 a.m.	8.50 a.m.	0.68	0.11	0.28	0.46	0.56	0.65	0.69	0.70							
Los Angeles, Cal	17			T.																	
Louisville, Ky.	16	2.16 p.m.	3.25 p.m.	0.59	2.26 p.m.	2.45 p.m.	0.01	0.17	0.36	0.52	0.55	0.56									
Do	26	6.40 p.m.	7.35 p.m.	0.75	6.48 p.m.	7.05 p.m.	T.	0.16	0.44	0.66	0.70	0.73									
Macon, Ga.	12	3.44 p.m.	4.50 p.m.	1.02	3.47 p.m.	4.20 p.m.	T.	0.09	0.46	0.66	0.78	0.88	0.96	1.00	1.01						
Do	23	6.26 p.m.	10.20 p.m.	2.44	7.05 p.m.	8.20 p.m.	0.23	0.16	0.33	0.36	0.38	0.54	0.73	0.91	1.10	1.28	1.54	1.84	1.99		
Do	30	4.40 p.m.	10.33 p.m.	2.00	5.00 p.m.	5.50 p.m.	0.05	0.05	0.15	0.27	0.46	0.68	1.03	1.19	1.26	1.29	1.35	1.41			
Memphis, Tenn.	22			0.20														0.19			
Meridian, Miss.	29	3.25 p.m.	4.55 p.m.	1.51	3.32 p.m.	4.15 p.m.	0.01	0.21	0.53	0.80	1.09	1.21	1.32	1.39	1.44	1.47	1.49	1.50			
Milwaukee, Wis.	24	4.15 p.m.	5.45 p.m.	0.75	4.30 p.m.	4.50 p.m.	0.01	0.11	0.29	0.47	0.60	0.65	0.69								
Montgomery, Ala	23	3.45 p.m.	4.50 p.m.	0.63	3.47 p.m.	4.10 p.m.	T.	0.16	0.38	0.48	0.56	0.60	0.62								
Do	27	4.30 p.m.	5.15 p.m.	0.74	4.37 p.m.	4.56 p.m.	0.04	0.20	0.54	0.66	0.73	0.74									
Nantucket, Mass.	19			0.52														0.45			
Nashville, Tenn.	28	5.55 p.m.	7.00 p.m.	0.73	5.55 p.m.	6.22 p.m.	0.00	0.11	0.25	0.32	0.49	0.66	0.72	0.73							
New Orleans, La.	6	3.25 p.m.	4.15 p.m.	0.76	3.28 p.m.	4.00 p.m.	T.	0.11	0.26	0.43	0.53	0.63	0.70	0.74	0.76						
Do	28	2.32 p.m.	3.45 p.m.	0.77	2.32 p.m.	3.28 p.m.	0.00	0.08	0.19	0.27	0.41	0.51	0.62	0.72	0.77						
New York, N. Y.	17			0.47							0.47										
Norfolk, Va.	24	3.35 p.m.	4.45 p.m.	0.72	3.45 p.m.	4.15 p.m.	T.	0.20	0.37	0.44	0.54	0.62	0.68	0.71							
Northfield, Vt.	6			0.51														0.48			
Oklahoma, Okla.	28	7.25 a.m.	9.10 a.m.	1.44	7.27 a.m.	8.15 a.m.	T.	0.39	0.69	0.84	0.98	1.09	1.22	1.27	1.28	1.34	1.41	1.43			
Omaha, Nebr.	12			0.87											0.44						
Parkersburg, W. Va.	19-20	6.32 p.m.	D. N.	1.74	7.25 p.m.	8.00 p.m.	0.02	0.09	0.21	0.44	0.74	1.26	1.47	1.56	1.57	1.58					
Philadelphia, Pa	7			0.50														0.50			
Pittsburg, Pa.	15-16			0.28														0.20			
Pocatello, Idaho	23			0.18														0.11			
Portland, Me.	16			2.08														0.53			
Portland, Oreg.	8	5.46 p.m.	6.50 p.m.	1.25	6.00 p.m.	6.35 p.m.	0.05	0.30	0.60	0.93	1.00	1.05	1.10	1.16	1.16	1.20					
Pueblo, Colo	6			T.														T.			
Raleigh, N. C.	22	9.45 p.m.	11.30 p.m.	0.69	9.50 p.m.	10.10 p.m.	T.	0.25	0.43	0.55	0.61	0.63									
Do	29	5.55 p.m.	10.00 p.m.	1.76	5.55 p.m.	6.55 p.m.	0.00	0.21	0.32	0.45	0.58	0.72	0.89	1.05	1.15	1.23	1.29	1.43	1.51		
Richmond, Va	22-23	10.18 p.m.	D. N.	2.87	10.40 p.m.	11.50 p.m.	0.01	0.34	0.41	0.44	0.52	0.57	0.61	0.85	1.09	1.25	1.41	1.80	2.04		
Rochester, N. Y.	11			0.29												0.29					
St. Louis, Mo.	23			0.40														0.40			
St. Paul, Minn	10-11			1.05														0.37			
Salt Lake City, Utah	24			0.52														0.15			
San Diego, Cal.	20			T.																	
Sandusky, Ohio	20	4.53 a.m.	7.15 a.m.	2.52	4.55 a.m.	6.55 a.m.	0.01	0.15	0.30	0.40	0.51	0.66	0.89	1.06	1.20	1.28	1.30	1.39	1.95	2.09	2.39
San Francisco, Cal.	6			T.																	
Savannah, Ga.	31	6.35 p.m.	D. N.	0.84	6.35 p.m.	7.00 p.m.	0.00	0.05	0.12	0.35	0.54	0.62	0.64	0.70	0.73	0.76					
Seattle, Wash.	23			0.14														0.03			
Spokane, Wash.	11			0.18														0.08			
Tampa, Fla.	5	1.42 p.m.	6.30 p.m.	1.06	1.42 p.m.	2.00 p.m.	0.00	0.20	0.55	0.88	0.95										
Do	26	4.15 p.m.	6.50 p.m.	1.75	4.15 p.m.	4.45 p.m.	0.00	0.30	0.75	1.20	1.40	1.50	1.60	1.65							
Toledo, Ohio	12	6.10 p.m.	7.25 p.m.	0.71	6.15 p.m.	6.50 p.m.	0.01	0.06	0.35	0.54	0.68	0.69									
Topeka, Kans.	21	5.02 p.m.	6.57 p.m.	0.80	5.32 p.m.	6.05 p.m.	T.	0.14	0.37	0.58	0.58	0.66	0.74	0.77							
Vicksburg, Miss.	6			0.10														0.09			
Washington, D. C.	24	3.53 p.m.	4.20 p.m.	0.42	3.54 p.m.	4.04 p.m.	T.	0.21	0.42												
Wilmington, N. C.	3	1.55 p.m.	2.10 p.m.	0.90	1.55 p.m.	2.10 p.m.	0.00	0.12	0.75	0.90											
Yankton, S. Dak	14	2.55 a.m.	3.35 a.m.	0.68	2.59 a.m.	3.10 a.m.	T.	0.38	0.50	0.53	0.58	0.62	0.63	0.66							
Basseterre, St. Kitts.	5			0.30										0.30							

TABLE IX.—*Accumulated amounts of precipitation for each 5 minutes, etc.*—Continued.

Stations.	Date.	Total duration. From—	Total duration. To—	Total am't of precipitation.	Excessive rate. Began—	Excessive rate. Ended—	Amount before excessive 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.
	1	2	3	4	5	6	7	Depths of precipitation (in inches) during periods of time as indicated.													
Bridgetown, Barbados	21	6.30 a.m.	8.55 a.m.	1.43	7.30 a.m.	8.30 a.m.	0.06	0.12	0.28	0.35	0.37	0.37	0.41	0.54	0.72	0.94	1.11	1.29	1.36	.....	.....
Cienfuegos, Cuba	30	3.30 p.m.	4.30 p.m.	0.73	3.56 p.m.	4.10 p.m.	T.	0.31	0.63	0.70	0.73	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Havana, Cuba	15	.....	.....	0.86	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.33	.....	.....	.....
Kingston, Jamaica	6	1.20 p.m.	2.40 p.m.	1.08	1.24 p.m.	1.40 p.m.	T.	0.45	0.78	0.91	0.93	0.94	.....	.....	.....	.....	.....	.....	.....	.....	.....
Port of Spain, Trin.	3	9.22 a.m.	9.55 a.m.	0.69	9.22 a.m.	9.35 a.m.	0.00	0.20	0.48	0.67	0.68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	15	11.05 a.m.	12.50 p.m.	0.95	10.05 a.m.	11.25 a.m.	0.00	0.10	0.34	0.63	0.68	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Do	22	6.47 a.m.	10.50 a.m.	1.76	7.35 a.m.	8.45 a.m.	0.27	0.06	0.15	0.21	0.46	0.63	0.79	0.92	0.97	1.03	1.07	1.20	1.39	.....	.....
Puerto Principe, Cuba	1	.....	.....	0.40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.35	.....	.....	.....
Roseau, Dominica	17–18	.....	.....	1.38	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.29	.....	.....	.....
San Juan, Porto Rico	2	10.35 a.m.	2.47 p.m.	2.02	2.03 p.m.	2.45 p.m.	0.51	0.10	0.25	0.40	0.45	0.67	1.00	1.35	1.47	1.50	.....	.....	.....	.....	.....
Santiago de Cuba	19	5.35 p.m.	7.25 p.m.	2.11	5.46 p.m.	6.30 p.m.	T.	0.04	0.15	0.39	0.65	0.87	1.15	1.35	1.64	1.73	1.76	1.78	2.02	2.11	.....
Santo Domingo, S. D.	15	4.55 p.m.	6.45 p.m.	0.84	5.00 p.m.	5.25 p.m.	T	0.05	0.10	0.28	0.56	0.69	.....	.....	.....	.....	.....	.....	.....	.....	.....
Willemstad, Curaçao	19	.....	.....	0.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0.15	.....	.....	.....

*Self register out of order.

TABLE X.—*Data furnished by the Canadian Meteorological Service, August*, 1900.

Stations.	Pressure.			Temperature.				Precipitation.		
	Mean not reduced.	Mean reduced.	Departure from normal.	Mean.	Departure from normal.	Mean maximum.	Mean minimum.	Total.	Departure from normal.	Depth of snow.
	Ins.	*Ins.*	*Ins.*	°	°	°	°	*Ins.*	*Ins.*	*Ins.*
St. Johns, N. F.	29.77	29.91	—.08	55.6	— 4.2	63.5	47.7	2.40	—1.85	
Sydney, C. B. I.	29.94	29.98	+.02	62.0	— 1.3	71.0	53.0	2.54	—1.36	
Halifax, N. S.	29.88	29.99	+.01	65.3	+ 1.7	74.0	56.6	3.99	+0.43	
Grand Manan, N. B.	29.94	30.00	+.04	63.7	+ 2.2	71.6	55.8	2.74	—0.35	
Yarmouth, N. S.	29.93	30.01	+ 01	61.2	+ 1.0	68 5	53.9	3.28	+0.06	
Charlottet'n, P. E. I.	29.92	29.96	+.01	64.8	+ 0.5	72.8	56.8	3 48	+0.08	
Chatham, N. B.	29.95	29 97	+ 03	64.5	+ 1.3	74.5	54.6	2.11	—2.03	
Father Point, Que.	29 93	29.96	+.05	54.7	— 0.9	63.7	45.7	0 96	—1.60	
Quebec, Que.	29.67	29.99	+.04	64.4	+ 1.3	73.1	55.6	2.32	—1.10	
Montreal, Que.	.....	.....	.....	.....	.....	.....	.....	.....	.....	....
Bissett, Ont.	29.44	29.94	.00	64.5	+ 3 0	79.1	49.8	4.28	+1.35	
Ottawa, Ont.	29.67	29.98	+ 04	69.2	+ 4 4	78.8	59.5	2.72	.....	
Kingston, Ont.	29 71	30.02	+ 05	70 2	+ 3.2	78.5	61.9	1.23	—0.76	
Toronto, Ont.	29.65	30.02	+ 03	72.8	+ 6 8	83.1	62.5	2.74	+0.16	
White River, Ont.	28.69	30.00	+.02	63.3	+ 6.9	75.5	51.2	3.94	+0.88	
Port Stanley, Ont.	29.41	30.03	+.04	71.6	+ 5.7	80.9	62.3	2 92	+0.58	
Saugeen, Ont.	29.32	30.02	+.04	70.4	+ 6.6	79.6	61.2	2.67	+0.89	
Parry Sound, Ont.	29.34	30.01	+.04	69.0	+ 5.5	79.5	58.6	1.11	—1.57	...
Port Arthur, Ont.	29.25	29.93	.00	63.5	+ 4.0	71.8	55.1	6.77	+4.40	....
Winnipeg, Man.	29.09	29.89	—.02	67.4	+ 4.0	79.4	55.4	3.66	+0.20	....
Minnedosa, Man.	28.11	29.86	—.03	65.0	+ 5.6	75.8	54.2	4.56	+2.70	....
Qu'Appelle, Assin.	27.63	29.82	—.08	62 5	+ 1.0	74.8	50.2	3.05	+1.58	....
Medicine Hat, Assin.	27.60	29.82	—.08	63 4	— 2.3	77 8	49.0	5.65	+4.66	....
Swift Current, Assin.	27.34	29.85	—.07	62.9	— 1.1	76.2	49.6	2.75	+1.01	....
Calgary, Alberta	26.35	29.81	—.09	55.1	— 4.3	69.2	41.0	1.29	—0.48	4.1
Banff, Alberta	25.32	29.89	.....	51 2	— 5.1	62.6	39.8	3.17	+1.85	1.6
Edmonton, Alberta	27.55	29.81	—.10	56.1	— 2.7	67.0	45.2	4.18	+2.35	1.0
Prince Albert, Sask.	28.31	29.82	.....	58.4	— 0.5	69.1	47.6	6.04	+4.62	....
Battleford, Sask.	28.15	29.85	.....	60.5	— 2.1	71.1	49.9	5.24	+3.46	....
Kamloops, B. C.	28.71	29.96	.....	62.3	— 6.3	71.7	53.0	2.22	+1.66	....
Victoria, B. C.	29.91	30.00	.....	59.3	.....	66.3	52.4	0.61	.....	....
Barkerville, N. W. T.	25.63	29.88	.....	50.7	— 5.6	60.9	40.4	8.50	+5.66	2.0
Hamilton, Bermuda.	29.91	30.07	—.03	79.4	— 0.2	84.9	73.9	6.80	+0.70	....

TABLE XI.—*Heights of rivers referred to zeros of gages, August, 1900.*

Stations.	Distance to mouth of river.	Danger line on gage.	Highest water.		Lowest water.		Mean stage.	Monthly range.
			Height.	Date.	Height.	Date.		
Mississippi River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
St. Paul, Minn	1,954	14	5.5	30	1.0	5-7	3.1	4.5
Reeds Landing, Minn	1,884	12	4.8	29,30	1.0	11	2.9	3.8
La Crosse, Wis	1,819	12	5.8	30,31	2.5	11-13	3.9	3.3
Prairie du Chien	1,759	18	4.9	31	2.2	12-14	3.3	2.7
Dubuque, Iowa	1,699	15	4.5	31	2.3	11	3.3	2.2
Leclaire, Iowa	1,609	10	3.2	1	1.5	11-13	2.2	1.7
Davenport, Iowa	1,593	15	3.9	1	2.2	11	3.0	1.7
Muscatine, Iowa	1,562	16	5.1	1	2.9	11,12	3.9	2.2
Galland, Iowa	1,472	8	2.6	1	1.2	13,14	1.8	1.4
Keokuk, Iowa	1,463	15	4.7	20	1.6	13,14	3.2	3.1
Hannibal, Mo	1,402	13	6.1	21	2.6	15	4.4	3.5
Grafton, Ill	1,306	23	7.9	23	4.2	16	6.1	3.7
St. Louis, Mo	1,264	30	11.4	1	5.1	17	8.1	6.3
Chester, Ill	1,189	36	8.7	1	3.5	17,18	5.9	5.2
Memphis, Tenn	843	33	11.2	6	2.8	22,23	6.6	8.4
Helena, Ark	767	42	17.6	6,7	6.2	24	11.8	11.4
Arkansas City, Ark	635	42	18.4	7,8	5.8	26	12.7	12.6
Greenville, Miss	595	42	14.9	8	5.4	26	10.4	9.5
Vicksburg, Miss	474	45	17.0	8,9	4.3	27,28	11.5	12.7
New Orleans, La	108	16	6.3	6	3.3	26	5.0	3.0
Missouri River.								
Bismarck, N. Dak	1,309	14	4.5	17	1.4	31	2.3	3.1
Pierre, S. Dak	1,114	14	5.6	21	2.6	8-10	3.1	3.0
Sioux City, Iowa	784	19	8.0	27	5.4	13,14	6.1	2.6
Omaha, Nebr	669	18	8.8	28	6.8	10-13	7.5	2.0
St. Joseph, Mo	481	10	4.7	14	2.2	12	3.5	2.5
Kansas City, Mo	388	21	10.9	31	7.0	12,13	9.2	3.9
Boonville, Mo	199	20	9.5	1	6.3	15	7.9	3.2
Hermann, Mo	103	24	9.1	1	5.9	15,16	7.3	3.2
Illinois River.								
Peoria, Ill	135	14	8.1	17,18	6.7	11-13	7.5	1.4
Youghiogheny River.								
Confluence, Pa	59	10	2.8	1	0.2	30,31	0.9	2.6
West Newton, Pa	15	23	2.2	1	0.2	10-13,28-31	0.5	2.0
Allegheny River.								
Warren, Pa	177	14	0.1	1-3,24,25	0.0	4-23,26-31	0.0	0.1
Oil City, Pa	123	13	1.0	31	0.2	11-16,20-22	0.4	0.8
Parker, Pa	73	20	1.0	25,26	−0.1	12,13	0.4	1.1
Monongahela River.								
Weston, W. Va	161	18	0.0	23	−1.0	10-15	−0.6	1.0
Fairmont, W. Va	119	25	1.6	1	−0.2	12-19	0.3	1.8
Greensboro, Pa	81	18	9.0	1	6.5	11-17	7.0	2.5
Lock No. 4, Pa	40	28	9.2	1	5.6	9	7.1	3.6
Conemaugh River.								
Johnstown, Pa	64	7	3.5	21	0.9	20	1.7	2.6
Red Bank Creek.								
Brookville, Pa	35	8	0.3	28,29	−0.5	11-21	−0.3	0.8
Beaver River.								
Ellwood Junction, Pa	10	14	2.8	1-6	2.2	19	2.5	0.6
Great Kanawha River.								
Charleston, W. Va	61	30	6.9	28	3.5	1	6.5	3.4
New River.								
Hinton, W. Va	95	14	1.9	1	1.0	13-17, 19,20,31	1.2	0.9
Cheat River.								
Rowlesburg, W. Va	36	14	3.5	1	−0.6	13	1.5	4.1
Ohio River.								
Pittsburg, Pa	966	22	6.6	1	4.7	3	5.7	1.9
Davis Island Dam, Pa	960	25	5.5	1	1.6	16	2.7	3.9
Wheeling, W. Va	875	36	6.5	2	1.2	14	2.8	5.3
Parkersburg, W. Va	785	36	7.5	1	2.1	15,16	4.4	5.4
Point Pleasant, W. Va	703	39	7.8	1	1.8	15	3.3	5.5
Huntington, W. Va	660	50	11.4	1	3.2	16	5.9	8.2
Catlettsburg, Ky	651	50	11.1	1	2.1	16	4.7	9.0
Portsmouth, Ohio	612	50	12.0	1	3.0	15,16	6.0	9.0
Cincinnati, Ohio	499	50	15.7	3	4.9	15,16	7.9	10.8
Madison, Ind	413	46	13.5	4	5.2	15,16	8.0	8.3
Louisville, Ky	367	28	7.6	5	3.2	15,16	4.8	4.4
Evansville, Ind	184	35	11.4	3	4.1	19-21	6.6	7.3
Paducah, Ky	47	40	12.1	4	3.2	21	6.2	8.9
Cairo, Ill	1,073	45	18.8	4	6.9	20	12.0	11.9
Muskingum River.								
Zanesville, Ohio	70	20	12.5	25	5.8	8	7.5	6.7
Scioto River.								
Columbus, Ohio	110	17	3.2	26	1.8	24	2.1	1.4
Miami River.								
Dayton, Ohio	69	18	3.8	26	0.8	11-15	1.5	3.0
Wabash River.								
Mount Carmel, Ill	50	15	5.4	1	2.1	13,14	3.6	3.3
Licking River.								
Falmouth, Ky	30	25	5.8	1	1.0	12,13	2.4	4.8
Clinch River.								
Speers Ferry, Va	156	20	0.6	1,24	−0.6	12	0.0	1.2
Clinton, Tenn	46	25	6.4	1	2.5	13	3.6	3.9
Tennessee River.								
Knoxville, Tenn	614	29	2.7	1	0.4	22,23	1.0	2.3
Kingston, Tenn	534	25	3.8	1	0.8	13,14,24,25	1.5	3.0
Chattanooga, Tenn	430	33	6.2	1	1.7	23	2.7	4.5
Bridgeport, Ala	390	24	5.0	1	0.5	24,25	1.4	4.5
Florence, Ala	220	16	5.6	1	0.7	27,28	1.7	4.9
Riverton, Ala	190	25	6.7	1,2	−0.3	27-29	1.4	7.0
Johnsonville, Tenn	94	21	7.5	3	1.5	20,29,30	3.1	6.0
Cumberland River.	*Miles.*	*Feet.*	*Feet.*		*Feet.*		*Feet.*	*Feet.*
Burnside, Ky	434	50	7.0	1	0.8	27	1.4	6.7
Carthage, Tenn	257	40	10.0	1	0.9	28,29	2.4	9.1
Nashville, Tenn	175	40	16.9	1	1.5	29-31	4.3	15.4
Arkansas River.								
Wichita, Kans	726	10	1.9	1-3	1.2	27	1.6	0.7
Webbers Falls, Ind. T	413	23	3.6	31	2.2	14	2.5	1.4
Fort Smith, Ark	351	22	4.5	1	1.6	23,24	2.9	2.9
Dardanelle, Ark	256	21	4.2	1,28	1.0	25	2.2	3.2
Little Rock, Ark	176	23	6.3	29	2.1	20	3.5	4.2
White River.								
Newport, Ark	150	26	3.0	31	0.7	20-26	1.4	2.3
Yazoo River.								
Yazoo City, Miss	80	25	18.7	1	0.6	30,31	8.2	18.1
Red River.								
Arthur City, Tex	688	27	10.2	1	5.1	30,31	6.8	5.1
Fulton, Ark	565	28	12.4	3	4.8	31	7.4	7.6
Shreveport, La	449	29	8.8	1	1.8	28,31	4.5	7.0
Alexandria, La	139	33	8.7	1	0.5	31	3.9	8.2
Ouachita River.								
Camden, Ark	340	39	14.0	30	3.0	26-28	5.7	11.0
Monroe, La	100	40	7.6	2,3	0.9	30,31	3.9	6.7
Atchafalaya River.								
Melville, La	100	31	19.8	7-10	7.6	31	15.3	12.2
Susquehanna River.								
Wilkesbarre, Pa	178	14	0.0	1	−2.0	8-13,17-31	−1.7	2.0
Harrisburg, Pa	70	17	1.5	28	0.2	14-20	0.7	1.3
W. Br. of Susquehanna.								
Williamsport, Pa	35	20	1.0	23,27,29,30	0.1	12,13,15,16	0.5	0.9
Juniata River.								
Huntingdon, Pa	80	24	2.9	1-31	2.9	1-31	2.9	0.0
Potomac River.								
Harpers Ferry, W. Va	170	16	1.8	1-4	0.5	24,25,31	1.0	1.3
James River.								
Lynchburg, Va	257	18	0.4	1	−0.3	13-15,18-22	0.0	0.7
Richmond, Va	110	12	0.0	2	−1.2	5-15,20-28	−1.0	1.2
Roanoke River.								
Weldon, N. C	90	40	8.2	1	7.0	15, 16, 18-20, 22	7.3	1.2
Cape Fear River.								
Fayetteville, N. C	100	38	4.5	18	0.5	17	1.7	4.0
Lumber River.								
Fairbluff, N. C	10	6	0.2	8	−1.4	28	−0.8	1.6
Edisto River.								
Edisto, S. C	75	6	4.1	4	0.5	25-29	2.0	3.6
Pedee River.								
Cheraw, S. C	145	27	2.5	25	0.6	14-17	1.1	1.9
Black River.								
Kingstree, S. C	60	12	4.9	4	−0.2	26-31	1.1	5.1
Lynch Creek.								
Effingham, S. C	35	12	6.2	2	1.6	23,24	2.7	4.6
Santee River.								
St. Stephens, S. C	50	12	6.7	3,4	−0.2	25	2.1	6.9
Congaree River.								
Columbia, S. C	37	15	1.5	31	−0.1	8	0.3	1.6
Wateree River.								
Camden, S. C	45	24	7.6	1	2.3	17	3.6	5.3
Waccamaw River.								
Conway, S. C	40	7	2.6	2	0.9	21,22,26-28	1.6	1.7
Savannah River.								
Calhoun Falls, S. C	347	.....	3.2	1	1.9	24	2.5	1.3
Augusta, Ga	268	32	12.0	1	6.0	13	7.2	6.0
Broad River.								
Carlton, Ga	30	.....	4.0	13	2.2	22, 24, 25, 28, 29, 31	2.6	1.8
Flint River.								
Albany, Ga	80	20	4.2	1,2	0.8	9, 12-14, 27, 28	1.5	3.4
Chattahoochee River.								
Westpoint, Ga	239	20	6.4	1	2.8	12,19-22	3.2	3.6
Ocmulgee River.								
Macon, Ga	125	20	6.1	1	2.2	23	3.1	3.9
Oconee River.								
Dublin, Ga	60	30	5.0	2	0.1	14,21	1.2	4.9
Coosa River.								
Rome, Ga	225	30	3.4	1	1.5	29-31	2.0	1.9
Gadsden, Ala	144	18	5.6	1	0.9	10-17,25	1.4	4.7
Alabama River.								
Montgomery, Ala	265	35	10.6	1	2.2	14,15	3.6	8.4
Selma, Ala	212	35	14.0	1	2.3	21	4.7	11.7
Tombigbee River.								
Columbus, Miss	303	33	5.8	1	−2.7	14	−1.2	8.5
Demopolis, Ala	155	35	18.2	2	1.2	20	5.2	17.0
Black Warrior River.								
Tuscaloosa, Ala	129	43	9.8	1	1.4	15,18	3.3	8.4
Brazos River.								
Kopperl, Tex.*	270	25	10.1	1	6.6	24-28	7.8	3.5
Waco, Tex	166	40	15.1	1	8.8	26	11.3	6.3
Columbia River.								
Umatilla, Oreg	.....	.....	2.8	15	−1.0	29-31	0.0	3.8
The Dalles, Oreg	.....	22	3.8	2.5	0.5	27-29	2.1	3.3
Willamette River.								
Albany, Oreg	99	20	1.4	1-4	0.7	25-31	1.0	0.7
Portland, Oreg	10	15	7.2	1,2	3.7	21	5.3	3.5
Sacramento River.								
Red Bluff, Cal	241	23	−0.5	1-31	−0.5	1-31	−0.5	0.0
Sacramento, Cal	70	29	8.3	1	7.7	31	7.9	0.6

* 19 days only.