CLIMATOLOGICAL DATA

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS

[For description of tables and charts, see REVIEW Jan. 1943, p. 15]

In the following table are given for the various sections of the climatological service of the Weather Bureau the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures, with dates of occurrence; the stations reporting the greatest and least total precipitation; and other data as indicated by the several headings.

The mean temperature for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course, the number of such records is smaller than the total number of stations.

Section	Temperature								Precipitation					
			Monthly extremes								Greatest monthly		Least monthly	
	Section average	Departure from the normal	Station	Highest	Date	Station	Lowest	Date	Section average	Departure from the normal	Station	Amount	Station	Amount
	°F.	°F.		°F.			°F.		In.	In.		In.		In.
Alabama	81.1	+2.8	3 stations	104	[1]18	Huntsville	48	8	2.80	−1.45	Lockhart	9.06	Greensboro	0.35
Arizona	71.2	−4.1	2 stations	116	[1]29	Fort Valley	19	17	.06	−.30	Apache Powder Co	.91	72 stations	.00
Arkansas	79.2	+2.0	5 stations	102	[1]17	4 stations	48	[1]7	3.04	−.99	White Rock	10.30	Portland	.34
California	63.7	−4.3	2 stations	120	30	Tamarack	17	3	.50	+.17	Shasta Dam	4.80	43 stations	.00
Colorado	60.8	−.9	Las Animas	105	20	Pearl	19	18	.91	−.50	Box Ranch	2.50	Saguache	.00
Florida	82.0	+2.1	Madison	106	24	Okeechobee	58	23	5.25	−1.52	St. Leo	11.80	West Palm Beach	.25
Georgia	80.7	+2.5	Eastman	106	24	Tallapoosa	46	8	2.68	−1.76	Fargo	7.14	Hartwell	.19
Idaho	57.5	−2.7	Grand View	104	30	Big Creek	18	14	3.18	+1.81	Dubois	8.26	Weiser	1.01
Illinois	76.0	+3.7	Olney	106	28	Bloomington	35	7	2.42	−1.50	Galena	8.12	Morrisonville	.27
Indiana	75.6	+3.9	Madison	107	28	2 stations	38	7	1.80	−2.06	Waterloo	5.35	Jeffersonville	.18
Iowa	71.7	+2.0	2 stations	101	25	Sibley	38	7	5.88	+1.19	Clarence	11.93	Blockton	1.56
Kansas	75.4	+1.5	Lincoln	112	22	3 stations	41	[1]6	2.93	−1.09	Hanover (1)	9.97	Richfield	.30
Kentucky	77.6	+3.6	Owensboro	107	28	2 stations	40	7	1.70	−2.44	Science Hill	6.14	Beaver Dam	.10
Louisiana	82.0	+1.9	2 stations	103	[1]21	Tallulah	57	8	2.16	−2.56	Franklin	8.73	Coushatta	.12
Maryland-Delaware	72.6	+1.8	Fort George G. Meade, Md.	101	18	Oakland, Md	29	8	3.04	−.91	Friendsville, Md	5.64	Millington, Md	1.26
Michigan	66.2	+1.8	Adrian	102	27	Kenton	28	7	4.16	+1.02	Watersmeet	10.47	Bay City	1.17
Minnesota	65.6	+.7	3 stations	99	25	2 stations	31	[1]7	6.50	+2.39	Milaca	15.00	Milan	2.10
Mississippi	81.5	+2.5	Europa	104	17	Edinburg	50	8	1.81	−2.36	Beaumont	4.88	Belzoni	.09
Missouri	76.4	+2.7	Poplar Bluff	107	[1]17	Louisiana	39	7	2.55	−2.13	Carthage	9.10	Cuba	.14
Montana	57.5	−2.2	3 stations	96	30	2 stations	25	[1]5	5.35	+2.77	Lame Deer	12.04	Kalispell	1.46
Nebraska	69.2	−.2	Gothenburg	104	28	Gordon	29	6	4.26	+.59	Tekamah	13.55	Sidney	.96
Nevada	60.1	−4.3	Overton	114	30	Marlette Lake	18	8	1.07	+.55	Golliher Pasture	5.67	8 stations	.00
New England	64.0	−.1	Westfield, Mass	101	29	3 stations	26	4	5.05	+1.55	Hubbardston, Mass	11.82	New Haven, Conn	1.19
New Jersey	70.4	+1.4	Canoe Brook	100	18	Runyon	33	8	4.08	+.25	Plainfield	8.06	Barnegat City	.69
New Mexico	67.9	−.9	Maljamar	111	16	Birmingham Ranch	15	[1]16	.94	−.33	Bellview	7.28	9 stations	.00
New York	66.4	+1.2	Middleburg	101	28	Indian Lake	26	4	4.44	+.79	Glens Falls (near)	9.86	Orient	1.08
North Carolina	76.8	+2.6	2 stations	105	[1]18	Mount Mitchell	36	21	2.37	−2.29	Greenville	6.83	Wilson	.40
North Dakota	61.7	−1.2	Hankinson	93	[1]24	Dickinson	30	6	6.43	+2.91	Mohall	14.01	Jamestown	1.61
Ohio	73.1	+3.4	Wilmington	104	28	Millport	38	8	3.08	−.81	Beverly	6.75	Mt. Lookout	.35
Oklahoma	79.3	+2.0	Beaver	108	20	Kenton	44	5	3.67	−.24	Tahlequah	10.05	Beaver	.31
Oregon	57.0	−2.5	2 stations	102	30	Round Grove	20	13	2.18	+.88	Valley Falls	5.53	Eugene Airport	.49
Pennsylvania	69.3	+1.1	Sharon	100	[1]18	2 stations	29	8	4.51	+.38	Freeland	8.20	Mercer	1.10
South Carolina	80.4	+2.7	Calhoun Falls	106	19	Walhalla	48	21	3.03	−1.71	Blackville	6.68	Walhalla	.34
South Dakota	64.7	−1.6	Yankton	101	25	Custer	24	6	5.27	+1.78	Bison	9.88	Oelrichs	2.32
Tennessee	78.2	+3.3	Etowah	103	18	Rugby	40	8	2.14	−2.01	Halls	5.86	Knoxville Airport	.20
Texas	81.2	+1.0	4 stations	106	[1]20	Muleshoe	45	5	1.81	−1.18	Bonham	6.26	Freeport	.00
Utah	60.1	−4.4	St. George	106	29	Bryce Canyon	23	17	2.21	+1.56	Brigham City	5.94	Gunlock (near)	.03
Virginia	74.1	+2.2	Diamond Springs	106	19	2 stations	34	8	2.35	−1.82	Monterey	4.80	New Canton	.59
Washington	61.0	.0	Wahluke (near)	103	29	Mt. Adams R. S	29	2	1.47	−.12	Northport	3.84	Mt. Adams R. S	.27
West Virginia	71.9	+2.0	Hinton	103	18	2 stations	28	8	4.19	−.27	Pickens	9.45	Kearneysville	1.01
Wisconsin	67.5	+2.3	Kenosha	99	28	Laona	26	7	6.04	+1.90	Mellen	10.00	Milwaukee (City)	2.47
Wyoming	56.4	−2.2	Torrington	100	25	Foxpark	21	29	3.41	+1.74	Rockypoint	10.39	Laramie Airport	.50
Alaska (May)	42.5	+.9	Circle Hot Springs	80	23	2 stations	−12	7	2.85	+1.22	Whittier	35.84	Gulkana	.07
Hawaii	73.2	−.2	Waiane (Oahu)	93	22	Haleakala, R. S	41	[1]2	4.98	+.19	Kahana (Oahu)	24.77	8 stations	.00
Puerto Rico	78.5	+.3	Dos Bocas	95	[1]6	Guineo Reservoir	57	22	8.95	+2.73	Rio Blanco (1800)	26.00	Sabana Grande	1.14

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station	Pressure: Sea level	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	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	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	%	In.	In.		Mi.								0-10	In.	In.	
New England							63.7	+0.7									78	4.18	+1.2										6.4			
Eastport	75	67	85	1,008.8	1,011.9	−1.6	54.4	−.7	89	28	62	38	3	46	37	48	84	3.10	+.1	13	9.5	sw.	33	e.	25	8	10	12	6.0	0.0	0.0	4
Greenville, Maine	1,070	6	41	973.6	1,012.9	----	58.6	−.6	95	29	72	27	4	45	45	52	---	3.22	−.5	14	---	nw.	---	---	---	6	11	13	---	.0	.0	3
Portland, Maine [1]	103	5	43	1,008.1	1,012.2	−2.0	61.2	−1.3	96	29	71	33	4	51	32	56	82	5.42	+2.1	11	9.5	s.	29	s.	5	11	8	11	5.5	.0	.0	4
Concord [1]	289	4	45	1,001.7	1,012.2	−2.4	64.0	+2.3	97	29	76	35	4	52	38	54	74	10.10	+6.9	13	8.0	nw.	30	nw.	3	10	8	12	6.0	.0	.0	8
Burlington [1]	403	6	51	997.0	1,011.9	−2.7	65.0	−.7	96	29	76	37	4	54	34	56	75	4.06	+.7	13	9.6	s.	35	s.	5	3	12	15	7.1	.0	.0	6
Boston [1]	124	33	62	1,007.5	1,012.2	−2.4	67.0	+.5	95	29	76	47	4	58	31	56	72	5.35	+2.5	11	11.2	sw.	38	nw.	16	5	9	16	7.1	.0	.0	7
Nantucket	12	11	59	1,011.9	1,012.9	−2.3	62.8	+1.8	85	18	70	42	5	56	29	56	85	2.62	.0	8	10.9	sw.	34	ne.	3	8	5	17	6.5	.0	.0	3
Block Island	26	11	46	1,011.5	1,012.9	−2.0	63.6	+1.8	81	18	71	45	5	57	26	58	86	2.94	+.3	9	13.9	sw.	37	s.	19	9	8	13	6.2	.0	.0	4
Providence [2]	159	46	60	1,006.8	1,013.2	−1.7	68.6	+.3	94	29	78	47	5	59	32	56	74	4.16	+1.5	10	9.0	sw.	29	sw.	6	3	12	15	7.0	.0	.0	5
Hartford [1]	159	5	44	1,006.8	1,012.9	−2.0	67.8	+.7	93	29	79	44	5	57	32	58	74	3.81	+.7	9	8.5	s.	26	s.	6	6	11	13	6.5	.0	.0	8
New Haven	107	5	39	1,008.5	1,012.9	−2.0	67.4	+4.1	90	17	77	43	8	58	29	58	75	1.19	−1.6	11	6.7	sw.	25	se.	19	7	13	10	6.1	.0	.0	5
Middle Atlantic States							72.5	+1.9									72	3.61	0.0										5.9			
Albany [1]	97	26	40	1,008.5	1,012.2	−2.7	67.3	+.6	96	29	78	44	8	57	32	56	71	6.78	+3.7	11	8.5	s.	28	nw.	16	4	14	12	6.4	.0	.0	7
Binghamton [2]	871	60	79	981.7	1,013.2	−1.7	67.4	+1.8	95	29	78	39	8	57	34	59	82	3.59	+.2	12	5.3	w.	24	nw.	29	3	11	16	7.2	.0	.0	11
New York	415	414	454	1,001.4	1,012.9	−2.3	70.4	+1.6	90	27	78	51	5	62	24	58	70	3.38	.0	10	14.0	n.	42	nw.	29	9	12	9	5.7	.0	.0	6
Harrisburg [1]	374	30	49	1,000.0	1,013.5	−2.1	72.0	+1.7	96	18	83	44	8	61	33	62	74	5.49	+1.9	11	7.5	nw.	36	ne.	18	3	11	16	7.0	.0	.0	10
Philadelphia [1]	114	6	56	1,009.1	1,013.5	−1.7	72.2	+1.6	95	18	82	50	8	62	28	60	68	3.23	.0	9	9.1	sw.	32	se.	18	5	13	12	6.2	.0	.0	7
Reading	323	47	306	1,000.7	1,013.5	----	71.9	+1.5	95	29	82	47	8	62	29	---	---	4.50	+1.0	10	10.3	nw.	49	ne.	18	5	13	12	6.4	.0	.0	8
Scranton	805	72	104	984.8	1,013.5	−1.7	68.8	+1.0	94	29	78	41	8	59	31	---	---	5.66	+2.0	13	6.3	sw.	24	n.	18	4	15	11	6.2	.0	.0	7
Atlantic City	52	37	172	1,011.2	1,013.2	−2.0	69.8	+3.2	91	17	77	51	8	63	29	63	83	4.21	+1.2	11	14.2	s.	50	sw.	19	12	11	7	5.1	.0	.0	8
Trenton	190	89	107	1,006.4	1,013.2	----	71.2	+1.7	93	29	81	48	5	61	27	60	68	5.47	+2.4	8	8.4	sw.	23	nw.	18	6	13	11	5.9	.0	.0	7
Baltimore [2]	123	100	215	1,009.1	1,013.9	−1.7	74.7	+2.0	97	18	84	51	8	66	26	62	67	2.55	−1.3	10	9.8	s.	37	nw.	19	7	16	7	5.3	.0	.0	8
Washington [2]	112	56	100	1,009.8	1,014.2	−1.7	74.8	+2.6	97	18	85	50	8	65	28	62	68	2.78	−1.4	7	7.1	s.	26	w.	24	6	19	5	7.0	.0	.0	6
Cape Henry	18	8	54	1,012.9	1,013.9	----	75.5	+2.6	104	19	83	59	12	68	34	66	76	1.88	−2.1	5	11.1	se.	40	n.	19	13	13	4	4.3	.0	.0	6
Lynchburg	686	144	184	990.2	1,014.6	−1.7	76.4	+1.8	98	29	88	52	8	65	32	62	68	2.23	−1.6	11	6.5	nw.	32	nw.	19	10	12	8	4.9	.0	.0	10
Norfolk [2]	91	80	125	1,010.8	1,014.6	−1.3	77.6	+3.2	101	19	86	58	5	69	30	66	73	1.24	−3.0	5	9.0	w.	26	nw.	19	8	17	5	5.3	.0	.0	5
Richmond	144	11	52	1,008.5	1,013.5	−2.8	76.9	+2.8	103	19	88	55	8	66	31	63	68	1.29	−2.6	8	7.2	sw.	37	nw.	19	9	16	5	4.9	.0	.0	5
South Atlantic States							80.2	+3.7									72	3.04	−1.6										4.8			
Asheville	2,253	77	92	938.7	1,015.9	−.4	73.0	+4.3	94	18	85	50	21	61	36	60	72	1.97	−2.0	7	6.5	nw.	30	nw.	19	10	13	7	5.2	.0	.0	12
Charlotte [2]	779	63	86	987.1	1,014.9	−1.4	80.8	+5.3	102	19	92	58	21	69	31	65	66	2.66	−1.6	11	5.8	sw.	24	n.	2	11	16	3	4.8	.0	.0	13
Greensboro [1]	886	6	56	984.1	1,015.2	----	76.9	----	100	19	90	50	21	64	40	63	67	1.26	----	7	7.0	n.	32	nw.	1	10	14	6	4.8	.0	.0	8
Hatteras	11	5	50	1,013.5	1,014.2	−2.1	78.5	+2.9	95	24	85	65	5	72	21	71	81	.44	−4.1	5	11.0	sw.	29	nw.	25	8	15	7	5.3	.0	.0	5
Raleigh [1]	376	27	69	1,001.0	1,014.6	−1.7	79.0	+3.3	102	18	91	56	5	67	34	64	69	1.66	−2.7	6	8.6	sw.	35	nw.	24	11	12	7	4.8	.0	.0	8
Wilmington	72	73	107	1,011.9	1,014.2	−2.1	79.7	+2.9	100	18	89	60	5	70	27	70	77	2.65	−2.4	6	8.4	sw.	26	se.	7	12	15	3	4.6	.0	.0	9
Charleston [2]	48	11	92	1,012.5	1,014.2	−2.1	82.0	+3.1	104	24	90	66	21	74	28	70	79	4.76	+.2	9	9.2	s.	31	n.	2	9	13	8	5.4	.0	.0	17
Columbia, S. C. [2]	347	70	91	1,002.0	1,014.2	−2.1	81.8	+3.7	103	18	93	62	21	70	34	68	68	4.63	+.5	6	6.6	s.	34	se.	4	11	11	8	4.9	.0	.0	9
Greenville, S. C. [1]	1,040	18	36	1,978.3	1,014.9	----	79.4	+5.3	100	18	91	56	21	68	34	63	64	2.12	−2.4	6	8.0	ne.	40	n.	2	10	13	7	4.8	.0	.0	9
Augusta [2]	182	62	77	1,007.5	1,014.2	−2.1	82.8	+3.9	103	23	94	63	22	71	36	66	65	2.55	−2.1	8	5.3	nw.	22	nw.	2	15	9	6	4.2	.0	.0	12
Savannah [2]	65	73	152	1,012.5	1,014.9	−1.4	83.4	+4.4	103	24	93	68	22	74	32	71	78	3.64	−1.6	8	9.2	w.	32	nw.	24	10	13	7	4.8	.0	.0	12
Jacksonville [2]	43	86	110	1,013.2	1,015.2	−1.1	82.0	+2.1	100	24	91	69	1	73	26	72	77	6.38	+1.0	9	7.6	sw.	28	nw.	13	14	9	7	4.6	.0	.0	12
Florida Peninsula							82.7	+2.0									75	3.25	−3.0										4.8			
Key West [2]	21	10	64	1,013.9	1,014.9	−.7	84.0	+2.1	91	23	88	74	2	79	14	74	74	1.34	−2.9	6	8.5	e.	18	se.	28	12	16	2	4.2	0.0	0.0	5
Miami [2]	25	242	249	1,013.9	1,015.2	−.7	81.0	+1.0	94	24	86	69	26	76	21	72	76	2.21	−5.0	11	11.0	se.	34	se.	25	11	16	3	4.7	.0	.0	9
Tampa [1]	35	6	43	1,013.9	1,015.2	−1.1	83.1	+2.9	97	23	92	70	6	75	24	73	76	6.20	−1.0	12	8.2	w.	45	ne.	25	6	17	7	5.5	.0	.0	21
East Gulf States							81.8	+3.1									72	2.90	−1.8										4.5			
Atlanta [1]	1,173	33	72	974.3	1,014.6	−1.7	80.2	+3.5	101	18	91	59	8	69	30	64	63	.74	−3.2	7	8.2	nw.	32	nw.	14	12	11	7	5.0	.0	.0	12
Macon [2]	370	79	87	1,001.4	1,014.6	−1.7	81.5	+2.6	101	23	94	58	8	70	35	66	66	1.14	−2.9	6	5.8	n.	26	nw.	24	15	7	8	4.4	.0	.0	10
Thomasville	273	49	58	1,005.4	1,015.6	−.3	82.9	+3.4	101	23	94	63	21	71	32	---	---	1.50	−4.0	6	---	---	---	---	---	5	17	8	---	.0	.0	9
Apalachicola	35	11	51	1,013.5	1,014.9	----	82.0	+2.2	98	24	89	71	28	75	19	72	76	3.64	−2.0	12	7.0	w.	30	ne.	1	11	11	8	4.9	.0	.0	16
Pensacola	56	54	79	1,013.2	1,015.2	−.4	83.0	+3.7	99	24	91	70	10	75	25	72	76	6.64	+2.0	11	6.2	w.	22	se.	28	13	13	4	4.1	.0	.0	14
Anniston	741	9	---	---	---	---	79.0	+2.4	100	23	92	51	8	66	40	---	---	3.09	−1.0	8	---	nw.	---	---	---	13	16	1	---	.0	.0	10
Birmingham [1]	700	5	62	990.9	1,015.2	−.4	79.6	+2.8	100	23	92	54	8	67	37	66	70	3.76	----	11	6.1	e.	41	n.	15	9	17	4	4.9	.0	.0	10
Mobile [2]	57	86	161	1,013.2	1,015.0	−.6	83.2	+2.9	100	18	92	68	8	74	26	70	75	5.76	+.3	10	5.3	s.	18	ne.	19	14	9	7	4.5	.0	.0	10
Montgomery [2]	218	92	105	1,007.5	1,015.2	−.7	82.6	+3.0	101	18	93	63	8	72	30	68	70	1.47	−2.3	8	6.2	nw.	25	n.	19	13	13	4	4.0	.0	.0	10
Meridian [2]	375	67	92	1,001.7	1,014.9	−.3	81.4	+3.3	100	18	93	58	8	70	34	68	68	4.10	−.4	8	4.7	e.	29	s.	2	16	10	4	3.9	.0	.0	8
Vicksburg [2]	247	82	102	1,006.1	1,014.6	−.3	82.0	+3.0	97	21	92	64	7	72	25	70	80	1.73	−2.3	6	6.9	s.	34	e.	28	10	14	6	4.8	.0	.0	8
New Orleans [4]	53	76	84	1,012.9	1,014.6	−.6	83.8	+4.2	98	21	92	70	4	76	21	73	74	2.09	−3.8	11	5.5	se.	20	ne.	6	12	14	4	4.4	.0	.0	13
West Gulf States							82.4	+2.2									75	1.47	−2.2										5.1			
Shreveport [1]	249	5	64	1,005.4	1,014.2	−.4	83.0	+2.6	98	21	93	64	7	73	24	71	74	.94	−2.6	6	8.3	s.	42	s.	8	11	16	3	4.3	.0	.0	6
Fort Smith	463	57	82	996.6	1,012.5	−1.4	80.8	+3.3	98	26	90	57	7	71	27	70	72	4.45	+.7	9	7.8	e.	31	ne.	29	8	14	8	5.6	.0	.0	11
Little Rock [1]	357	5	58	1,001.7	1,014.6	.0	81.0	+3.6	98	27	92	58	8	70	29	68	72	1.54	−2.2	6	7.5	sw.	34	sw.	12	11	16	3	4.3	.0	.0	7
Austin [1]	605	10	41	991.5	1,012.5	----	81.0	−.2	94	20	90	65	6	72	23	70	74	2.01	−.4	8	9.9	s.	24	s.	3	2	24	4	5.8	.0	.0	4
Brownsville [1]	57	5	54	1009.5	1,011.2	----	83.1	+.7	93	17	90	70	29	76	19	74	81	1.91	−1.3	6	12.1	se.	29	s.	4	0	23	7	5.9	.0	.0	3
Corpus Christi [1]	20	4	33	1,011.9	1,012.5	−.4	82.2	+2.7	93	25	90	70	29	75	21	74	81	.17	----	2	12.2	se.	27	se.	3	19	8	3	3.8	.0	.0	4
Dallas [1]	512	5	45	994.2	1,012.2	----	84.0	+3.6	100	20	94	63	7	74	23	69	66	.28	−3.6	4	13.0	s.	34	se.	9	8	18	4	5.2	.0	.0	1
Fort Worth [1]	679	5	56	988.8	1,011.9	−1.3	83.1	+3.2	99	20	92	63	7	74	23	68	66	.76	−2.6	4	13.0	s.	29	s.	9	9	14	7	5.5	.0	.0	2
Galveston [2]	54	106	114	1,011.9	1,013.9	−.3	82.6	+1.9	91	20	86	73	29	79	11	74	76	.47	−3.9	3	10.7	s.	25	se.	13	13	16	1	4.1	.0	.0	1
Houston [2]	138	157	190	1,008.8	1,013.5	----	83.4	+2.0	99	24	91	70	6	75	22	72	80	1.63	−2.9	4	10.1	se.	26	se.	12	7	18	5	5.6	.0	.0	6
Palestine	510	64	72	996.3	1,013.9	.0	81.4	+2.4	95	25	90	67	6	72	23	70	74	1.03	−2.6	4	7.5	s.	26	s.	11	5	22	3	4.7	.0	.0	3
Port Arthur	34	59	134	1,012.9	1,013.9	----	84.0	+3.0	96	26	91	69	6	78	22	74	79	1.02	−3.8	6	11.6	s.	26	s.	28	11	16	3	4.5	.0	.0	5
San Antonio [1]	693	6	51	988.2	1,011.9	−.6	81.3	+.3	95	20	90	64	6	73	24	70	76	1.64	−.8	6	9.9	se.	34	e.	29	1	23	6	6.5	.0	.0	3

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station	Pressure: Sea level	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	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	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	%	In.	In.		Mi.								0-10	In.	In.	
Ohio Valley and Tennessee							76.5	+4.5									69	2.12	−1.8										4.8			
Chattanooga [1]	762	6	66	988.5	1,015.2	−.7	78.7	+5.5	100	18	92	51	8	65	38	66	70	.94	−3.2	6	6.2	s.	41	nw.	14	9	16	5	5.0	.0	.0	10
Knoxville [1]	995	27	53	980.4	1,015.2	−.4	79.0	+5.2	102	18	91	54	21	66	36	62	62	.20	−3.9	4	7.2	ne.	28	nw.	3	11	17	2	4.2	.0	.0	10
Memphis [4]	399	5	86	1,000.3	1,014.2	−.7	81.0	+4.6	99	17	92	57	8	70	32	69	70	2.44	−1.1	5	7.0	sw.	27	w.	13	12	14	4	4.3	.0	.0	5
Nashville [1]	546	5	72	995.3	1,014.9	−.7	80.8	+5.2	100	23	93	52	8	68	40	64	63	1.33	−2.7	4	7.4	s.	40	w.	14	7	21	2	4.8	.0	.0	4
Lexington	989	6	----	980.4	1,015.6	−.3	77.5	+5.3	103	28	91	46	8	64	38	----	----	1.58	−2.5	10	----	w.	----	----	----	17	13	0	3.0	.0	.0	12
Louisville [2]	525	106	120	995.6	1,014.2	−1.0	79.7	+5.0	102	28	88	55	7	71	23	63	64	.49	−3.3	5	8.2	sw.	28	sw	14	8	20	2	4.7	.0	.0	6
Evansville [1]	431	12	40	999.0	1,013.9	−1.0	78.0	+6.1	101	28	90	46	7	66	34	64	64	1.61	−2.4	6	6.8	sw.	34	sw.	14	7	17	6	5.4	.0	.0	8
Indianapolis [1]	823	5	54	984.8	1,014.2	−.7	74.0	+4.1	99	28	85	43	7	63	30	63	72	2.32	----	8	8.8	sw.	36	sw.	13	6	19	5	5.0	.0	.0	7
Terre Haute [2]	575	68	149	993.9	1,014.2	----	77.7	+4.9	102	28	88	49	7	67	27	63	68	1.24	−2.7	9	8.6	s.	39	sw.	14	12	15	3	4.6	.0	.0	8
Cincinnati [2]	627	11	51	991.9	1,014.2	−1.4	76.9	+5.7	102	27	89	47	7	65	33	63	68	.59	−3.1	6	6.2	sw.	20	nw.	19	8	18	4	4.7	.0	.0	7
Columbus [2]	822	90	110	985.4	1,014.2	−1.4	75.5	+4.6	102	28	86	48	7	65	30	62	70	2.30	−1.0	8	8.9	s.	33	sw.	23	8	17	5	5.4	.0	.0	7
Dayton [1]	1,003	6	55	978.7	1,014.6	----	75.2	+4.3	99	28	86	46	7	64	29	60	66	1.18	−2.6	5	10.1	sw.	40	nw.	14	5	20	5	5.3	.0	.0	7
Elkins [2]	1,947	61	78	947.9	1,015.6	−.3	68.2	+1.3	89	18	80	37	8	57	37	60	84	7.76	+2.7	16	5.1	w.	24	s.	23	4	13	13	6.6	.0	.0	13
Parkersburg	637	77	84	991.9	1,014.9	−1.0	74.3	+2.9	98	18	86	44	8	63	33	63	72	3.44	−.6	11	6.1	se.	27	w.	16	14	15	1	3.7	.0	.0	10
Pittsburgh [2]	842	39	54	984.1	1,014.2	−1.4	71.4	+2.8	94	28	82	44	8	60	30	59	70	4.60	+.8	15	9.7	sw.	42	nw.	19	6	19	5	5.5	.0	.0	13
Lower Lake Region							69.0	+3.0									73	3.97	+0.6										5.8			
Buffalo	768	34	96	985.4	11,013.2	−1.7	67.1	+2.2	95	28	77	45	7	57	34	58	78	3.95	+1.1	11	12.1	sw.	37	nw.	24	3	13	14	6.6	.0	.0	5
Canton	448	10	61	995.9	1,012.2	----	64.8	+1.3	92	28	76	37	4	54	36	55	74	3.50	+.2	12	7.7	w.	24	sw.	7	4	15	11	6.4	.0	.0	7
Oswego	335	71	85	1,000.3	1,012.5	−2.4	63.6	−1.2	96	28	72	43	8	55	30	56	76	3.13	−.1	13	8.1	w.	22	n.	3	8	12	10	5.7	.0	.0	5
Rochester [1]	523	5	69	993.9	1,013.2	−1.7	67.0	+1.9	98	28	77	45	9	57	34	56	72	3.42	+.4	14	8.7	sw.	40	nw.	16	3	10	17	6.8	.0	.0	7
Syracuse [1]	596	5	57	991.2	1,012.5	−2.4	66.6	+2.1	95	28	76	44	8	57	33	59	77	5.89	+2.0	13	8.6	sw.	42	w.	16	2	12	16	7.2	.0	.0	10
Erie [2]	714	57	81	----	1,013.5	−1.7	69.2	+3.0	95	27	77	49	7	61	----	----	----	3.91	+.6	10	7.3	w.	24	nw.	21	9	11	10	5.7	.0	.0	3
Cleveland [1]	762	27	54	986.5	1,013.9	−1.3	72.4	+4.7	101	28	83	49	7	62	34	60	70	3.04	−.1	10	9.4	s.	37	w.	23	5	20	5	5.6	.0	.0	11
Sandusky	629	5	67	990.9	1,013.9	−1.3	73.1	+4.3	98	28	83	48	7	63	28	----	----	5.00	+1.5	11	8.2	sw.	26	nw.	23	10	14	6	4.9	.0	.0	9
Toledo [1]	628	5	47	991.2	1,013.9	−1.0	71.6	+4.4	99	28	83	42	7	60	30	62	72	6.12	+2.8	11	10.1	sw.	43	w.	2	16	10	4	4.0	.0	.0	9
Fort Wayne [1]	857	5	33	983.1	1,013.5	----	72.0	+4.6	99	27	84	42	7	60	33	61	70	2.41	−1.2	10	7.8	sw.	33	nw.	23	8	14	8	5.5	.0	.0	9
Detroit [1]	730	5	78	987.5	1,013.5	−1.4	71.5	+5.3	99	28	82	44	7	61	29	60	68	3.26	−.3	12	9.2	nw.	39	nw.	23	6	14	10	5.7	.0	.0	7
Upper Lake Region							64.8	+2.4									76	3.82	+0.4										6.1			
Alpena	609	5	89	990.9	1,013.5	−1.1	62.0	+1.6	97	28	71	42	7	53	37	54	77	2.45	−.8	12	10.1	se.	29	se.	3	6	14	10	6.0	.0	.0	9
Escanaba	612	51	72	990.2	1,012.2	−1.7	61.2	+.5	84	28	69	39	7	53	27	54	79	3.50	+.3	13	9.6	s.	39	n.	17	5	13	12	6.7	.0	.0	11
Grand Rapids [2]	707	70	244	988.2	1,013.5	−1.4	70.6	+2.8	98	27	81	43	7	60	32	60	74	3.73	+.2	12	10.3	sw.	43	sw.	5	11	10	9	5.3	.0	.0	8
Lansing [2]	878	5	90	982.4	1,013.5	----	68.4	+2.0	94	28	79	42	7	58	33	60	72	2.50	−1.0	10	7.6	w.	26	nw.	18	10	11	9	5.2	.0	.0	7
Marquette	734	44	73	985.1	1,012.5	−1.4	60.4	+1.5	93	27	71	39	6	50	37	52	76	4.78	+1.6	15	7.5	ne.	29	sw.	27	4	13	13	6.5	.0	.0	12
Sault Sainte Marie [1]	614	11	52	990.5	1,013.2	−1.4	58.9	+1.4	92	27	70	36	7	47	34	52	80	3.18	+.5	15	10.1	nw.	32	sw.	5	7	6	17	6.8	.0	.0	1
Chicago [1]	673	5	36	988.8	1,013.2	−1.4	72.8	+4.7	100	27	84	45	7	62	30	62	70	3.18	−.3	11	9.3	s.	41	n.	17	8	13	9	5.6	.0	.0	11
Green Bay	617	109	141	989.8	1,012.5	−1.7	67.2	+2.3	92	27	77	42	7	58	33	58	73	5.27	+1.6	14	9.9	s.	33	sw.	5	3	14	13	6.7	.0	.0	9
Milwaukee [1]	681	33	66	988.2	1,012.5	−1.7	67.8	+5.7	95	27	80	43	7	56	35	59	75	3.42	.0	11	11.2	sw.	40	sw.	5	7	14	9	5.7	.0	.0	7
Duluth [2]	1,133	5	47	970.9	1,012.2	−1.0	58.4	+1.2	85	14	68	35	3	48	32	51	80	6.19	+2.3	16	12.0	ne.	38	ne.	3	4	13	13	6.4	.0	.0	7
North Dakota							62.9	−0.1									74	5.48	+1.9										6.4			
Fargo [1]	940	5	43	975.6	1,009.1	−3.4	65.4	+1.0	91	25	77	41	19	54	34	56	75	3.41	−.6	15	12.3	s.	41	s.	2	4	16	10	6.1	T	.0	12
Bismarck	1,679	5	43	949.9	1,009.5	−2.0	63.2	+.3	90	1	74	36	6	53	33	54	74	4.85	+1.5	13	11.6	se.	45	sw.	1	8	9	13	6.2	.0	.0	7
Devils Lake	1,478	11	44	957.3	1,010.2	−1.7	61.8	−.1	88	1	72	36	5	52	35	53	78	5.80	+2.2	15	8.3	ne.	32	nw.	28	7	7	16	6.7	.0	.0	11
Grand Forks [1]	832	4	41	979.7	1,009.8	----	63.6	----	88	1	74	39	8	53	35	55	----	4.18	----	14	----	s.	----	----	----	4	15	11	----	.0	.0	12
Lemmon, S. Dak	2,602	4	38	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Pembina	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Williston	1,878	42	50	944.1	1,010.2	−1.0	61.2	−1.5	91	30	71	39	5	51	31	50	70	7.88	+4.4	13	7.7	se.	28	ne.	17	6	10	14	6.4	.0	.0	7
Upper Mississippi Valley							73.6	+3.4									71	4.64	+0.5										5.5			
Minneapolis-St. Paul [1]	919	43	74	977.7	1,010.5	−2.7	69.7	+2.2	96	25	80	44	6	60	29	60	72	6.69	+2.5	15	11.9	se.	42	w.	4	6	14	10	6.1	.0	.0	9
Springfield, Minn	1,025	4	42	973.9	1,010.5	----	70.4	----	99	25	81	43	5	59	35	59	71	5.20	----	11	----	se.	----	----	----	8	14	8	----	.0	.0	6
La Crosse [1]	714	5	29	985.8	1,011.2	−2.3	69.7	+2.7	89	27	79	47	7	60	29	62	78	4.23	+.2	14	10.0	s.	34	w.	15	7	14	9	5.8	.0	.0	10
Madison [2]	974	70	78	978.0	1,012.9	−1.0	69.6	+2.4	91	27	78	48	6	61	25	62	76	6.38	+2.6	12	7.5	sw.	33	nw.	15	6	14	10	5.9	.0	.0	10
Charles City	1,015	10	51	976.0	1,012.2	−.7	69.9	+3.4	95	25	79	44	6	60	31	----	----	2.85	−1.8	13	7.1	s.	27	se.	11	10	14	6	5.0	.0	.0	12
Davenport	606	6	50	991.2	1,013.2	−.7	73.6	+4.3	95	27	84	46	7	64	27	62	70	6.19	+2.1	10	10.0	s.	47	sw.	14	7	15	8	5.6	.0	.0	9
Des Moines [2]	860	5	99	981.0	1,011.5	−1.7	72.9	+2.3	98	25	82	48	6	64	27	62	73	8.37	+3.6	11	10.6	sw.	29	se.	11	6	14	10	5.8	.0	.0	10
Dubuque	699	81	96	987.5	1,012.5	−1.0	71.8	+2.4	92	27	81	48	6	63	26	62	76	10.87	+6.6	15	5.6	s.	23	nw.	12	5	15	10	6.0	.0	.0	14
Burlington [1]	702	4	56	988.2	1,013.2	−.7	74.8	+3.3	98	17	86	45	6	63	33	63	70	3.38	−1.3	9	10.7	s.	----	----	----	5	15	10	5.8	.0	.0	8
Cairo	359	5	99	1,001.7	1,014.2	−.7	80.2	+2.9	100	22	90	55	7	71	25	----	----	2.04	−1.8	8	6.9	sw.	26	n.	23	9	12	9	5.3	.0	.0	10
Peoria [1]	609	6	26	991.9	1,013.9	−.3	74.2	+4.3	96	27	85	43	7	63	31	64	72	2.72	−1.0	9	9.2	sw.	39	ne.	25	6	19	5	5.5	.0	.0	9
Springfield, Ill. [2]	636	5	191	990.9	1,013.5	−.7	78.3	+6.1	100	27	89	49	7	67	29	63	68	.58	−3.5	5	11.1	s.	37	nw.	18	9	11	10	5.3	.0	.0	9
St. Louis [2]	568	6	303	993.6	1,013.9	−.3	78.9	+3.9	99	17	88	55	7	70	26	62	60	1.34	−2.5	7	11.6	sw.	34	ne.	26	14	15	1	3.9	.0	.0	6
Missouri Valley							73.2	+2.2									71	4.20	−0.1										5.2			
Columbia, Mo. [2]	768	34	96	985.4	1,013.2	−1.0	77.6	+4.1	100	28	88	46	7	67	30	63	68	.83	−3.9	6	7.5	s.	19	nw.	6	14	15	1	4.0	.0	.0	9
Kansas City [1]	693	38	76	978.0	1,011.5	−1.7	77.0	+3.4	97	25	86	50	7	68	26	64	66	3.78	−.9	7	12.5	s.	45	w.	13	9	13	8	5.1	.0	.0	6
St. Joseph [2]	967	11	49	977.3	1,011.2	----	75.0	+1.3	98	25	84	49	7	66	27	64	70	4.43	−.5	10	9.3	s.	41	w.	22	19	6	5	3.7	.0	.0	10
Springfield, Mo. [1]	1,324	5	60	967.5	1,013.5	−.7	74.8	+3.1	94	28	85	46	7	65	27	66	76	2.23	−2.4	10	10.0	s.	34	n.	18	10	12	8	5.1	.0	.0	8
Topeka	987	65	87	976.6	1,011.5	----	77.0	+3.6	99	25	87	51	6	67	26	65	70	3.41	−1.2	10	10.6	s.	27	s.	3	10	12	8	5.1	.0	.0	9
Lincoln [2]	1,189	11	81	968.5	1,010.2	−2.3	73.6	+2.2	99	25	84	46	6	64	33	60	68	6.18	+1.9	16	10.4	s.	34	w.	4	12	7	11	5.6	.0	.0	18
Omaha [1]	1,105	5	68	971.9	1,010.5	−2.4	73.4	+2.7	100	25	82	47	6	64	28	62	70	5.93	+1.4	12	12.8	s.	39	s.	22	7	12	11	5.8	.0	.0	15
Valentine	2,598	46	54	920.1	1,010.2	−1.0	65.2	−1.7	99	25	77	38	6	53	35	53	70	5.70	+2.8	13	9.8	s.	38	sw.	14	14	4	12	5.6	.0	.0	8
Sioux City [1]	1,138	5	40	970.2	1,010.2	−2.3	71.3	+2.5	100	25	82	45	6	61	34	60	72	4.32	+.3	16	11.8	s.	38	s.	3	7	14	9	5.9	.0	.0	14
Huron [1]	1,301	5	41	964.1	1,010.2	−1.3	66.6	+.4	94	25	78	39	6	56	31	58	78	5.14	+1.4	13	12.7	se.	40	sw.	2	8	12	10	5.6	.0	.0	10

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station	Pressure: Sea level	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	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	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	%	In.	In.		Mi.								0-10	In.	In.	
Northern Slope							59.9	−1.9									69	3.82	+1.6										6.4			
Billings [1]	3,570	16	40	888.6	1,010.8	------	59.3	−5.6	94	30	69	38	5	49	35	46	70	7.64	-----	17	10.4	n.	35	n.	3	5	10	15	6.8	.0	.0	11
Havre	2,507	11	67	924.1	1,012.2	+1.4	60.3	−1.7	96	30	71	39	4	49	39	48	70	3.68	+.8	15	7.5	ne.	26	sw.	24	3	8	19	7.4	.0	.0	5
Helena [1]	4,124	5	43	871.7	1,012.5	+.6	55.6	−3.6	91	30	67	35	2	44	40	46	72	4.74	+2.7	20	8.4	nw.	27	s.	30	3	12	15	7.2	.0	.0	10
Missoula [2]	3,205	80	91	899.4	1,011.9	------	60.0	−.1	92	30	72	42	2	48	37	46	68	3.47	+1.6	18	6.4	e.	32	s.	21	5	11	14	6.9	.0	.0	8
Kalispell	2,973	48	56	908.9	1,010.2	−2.0	59.0	+1.3	92	30	70	36	14	48	41	44	64	1.46	−.6	13	5.8	w.	20	nw.	26	5	8	17	6.8	.0	.0	4
Miles City [1]	2,371	5	28	927.5	1,010.8	.0	60.8	------	92	30	72	37	6	50	34	52	76	9.78	-----	16	----	nw.	---	------	---	8	5	17	6.6	.0	.0	11
Rapid City [1]	3,259	5	63	898.4	1,010.8	.0	60.8	−3.4	90	26	72	34	6	49	36	51	74	4.97	+1.9	15	13.5	nw.	51	sw.	1	11	9	10	5.2	.0	.0	13
Cheyenne [1]	6,094	5	40	811.0	1,008.8	−1.7	59.5	−.9	90	24	74	37	5	46	41	42	62	1.97	+.4	15	10.6	nw.	48	w.	17	8	13	9	5.5	.0	.0	12
Lander	5,352	60	68	832.4	1,008.8	−2.0	57.8	−2.7	89	30	70	40	18	46	40	40	60	2.02	+.9	12	5.4	sw.	29	sw.	26	11	9	10	5.2	.0	.0	11
Sheridan [1]	3,790	5	38	881.5	1,011.2	------	57.4	−4.1	89	30	68	35	6	46	37	48	76	9.54	+7.5	16	9.3	nw.	37	e.	9	4	10	16	6.7	.0	.0	12
North Platte [2]	2,821	11	51	912.6	1009.1	−2.1	69.0	+1.5	97	25	80	41	6	58	33	54	67	2.56	−.7	10	8.9	s.	25	sw.	26	7	14	9	5.6	.0	.0	10
Middle Slope							74.8	+2.3									63	3.40	+0.1										4.9			
Denver [2]	5,292	106	113	835.1	1,007.8	−2.7	67.4	+1.1	92	21	80	45	5	55	35	43	53	.81	−.6	7	7.9	s.	24	se.	16	11	15	4	4.6	.0	.0	7
Pueblo [1]	4.690	5	36	853.4	1,007.8	−2.4	69.2	+.6	99	20	85	43	5	53	47	42	48	.34	−1.0	5	9.7	se.	36	sw.	16	12	13	5	4.4	.0	.0	6
Concordia	1,392	50	58	961.7	1,009.8	−2.7	75.1	+2.1	102	22	86	47	6	64	34	62	66	4.10	−.3	11	9.1	s.	36	nw.	21	9	13	8	5.1	.0	.0	14
Dodge City [1]	2,509	5	58	923.5	1,008.5	−3.0	74.8	+2.3	102	20	87	49	5	62	39	60	64	4.53	+1.2	6	16.1	s.	57	n.	30	13	13	4	4.2	.0	.0	10
Wichita [1]	1,358	6	64	963.4	1,010 2	−2.7	78.4	+4.0	101	21	89	54	6	68	30	64	66	1.60	−2.8	6	16.9	s.	56	se.	13	8	15	7	5.7	.0	.0	8
Oklahoma City [2]	1,214	10	47	968.8	1,010.8	−2.1	79.8	+3.8	96	25	89	57	6	70	29	66	69	6.14	+2.5	7	10.5	s.	25	s.	14	14	7	9	4.8	.0	.0	7
Tulsa [1]	674	10	61	988.2	1,011.9	------	78.7	+2.2	96	25	88	57	6	69	24	68	75	6.29	+1.8	9	12.0	s.	33	n.	14	10	12	8	5.3	.0	.0	12
Southern Slope							79.5	+2.3									60	2.54	0.0										4.8			
Abilene [1]	1,738	4	41	951.2	1,009.8	−2.1	81.6	+4.0	101	21	92	61	7	71	28	66	66	1.28	−1.7	4	15.0	s.	44	n.	5	9	19	2	4.7	.0	.0	4
Amarillo [1]	3,676	5	42	887.2	1,009.1	−1.7	75.5	+4.1	101	21	88	51	5	63	35	57	62	4.33	+1.5	11	15.6	s.	39	ne.	28	13	12	5	4.5	.0	.0	11
Del Rio	960	63	71	977.3	1,009.5	−1.3	83.0	−.4	97	20	92	64	6	74	23	68	66	2.55	.0	6	12.0	se.	32	ne.	6	3	19	8	6.2	.0	.0	3
Roswell	3,566	75	85	889.3	1,007.8	−1.3	77.8	+1.5	102	21	93	51	5	62	41	48	47	1.98	+.3	6	9.6	s.	30	sw.	22	16	11	3	3.6	.0	.0	6
Southern Plateau							75.3	−1.7									32	0.44	+0.1										2.2			
El Paso [1]	3,778	5	85	882.8	1,006.1	−1.4	79.4	+1.4	102	28	93	58	8	66	41	40	32	1.67	+1.1	7	11.2	sw.	42	sw.	25	16	12	2	3.4	.0	.0	6
Albuquerque [1]	5,314	5	48	835.8	1,006.1	------	73.3	+.7	97	19	87	46	4	59	38	38	34	.85	+.4	6	13.0	s.	49	s.	16	20	7	3	3.3	.0	.0	7
Flagstaff	6,907	36	51	789.7	1,011.9	------	56.8	−2.7	88	29	74	26	17	39	48	28	38	.10	−.4	1	----	sw.	---	------	---	24	5	1	----	.0	.0	1
Phoenix [2]	1,107	39	87	968.8	1,006.1	−1.0	81.2	−3.3	112	29	97	54	17	65	43	40	30	.00	−.1	0	7.1	e.	21	w.	16	24	5	1	1.6	.0	.0	0
Tucson [1]	2,555	6	30	921.1	1,006.4	------	80.6	−2.0	107	29	97	52	17	64	44	33	21	.04	−.2	1	----	sw.	---	------	---	21	6	3	2.3	.0	.0	2
Yuma	142	9	54	1002.0	1,006.1	−1.0	80.6	−4.1	113	29	98	54	17	64	46	44	34	.00	.0	0	6.1	w.	22	se.	8	29	1	0	.4	.0	.0	0
Middle Plateau							61.1	−3.9									49	1.04	+0.6										4.4			
Reno [1]	4,527	20	52	859.5	1,010.5	−.7	57.4	−3.7	94	29	75	31	16	40	50	35	52	.18	−.1	3	9.1	nw.	35	w.	2	7	18	5	4.8	T	.0	1
Tonopah	6,090	9	20	811.7	1,009.1	------	59.4	−6.0	88	30	72	32	16	46	34	28	34	.14	−.1	3	----	nw.	---	------	---	19	9	2	----	T	.0	2
Winnemucca	4,339	5	56	864.2	1,009.8	−2.1	58.8	−4.0	96	29	73	34	8	45	44	38	55	2.33	+1.6	9	7.8	sw.	27	sw.	20	9	11	10	5.6	T	.0	4
Modena	5,473	10	46	830.0	1,007.5	−2.3	58.4	−4.9	92	29	76	32	17	41	47	----	---	.22	−.1	3	11.6	sw.	53	s.	8	20	6	4	3.0	.0	.0	3
Salt Lake City [1]	4,227	32	58	863.2	1,008.8	−2.0	63.0	−2.7	96	30	76	43	18	50	40	44	56	2.78	+2.0	11	9.7	se.	36	nw.	8	10	13	7	5.2	.0	.0	10
Grand Junction	4,602	60	68	855.7	1,008.1	−2.1	69.5	−1.9	95	30	83	45	3	56	41	34	33	.59	+.2	6	8.6	se.	33	s.	9	18	9	3	3.4	.0	.0	5
Northern Plateau							61.8	−1.6									64	1.84	+0.7										5.7			
Baker [2]	3,471	36	54	892.7	1,011.5	−2.7	56.8	−1.8	88	30	70	36	4	43	41	42	68	2.48	+1.1	15	5.8	n.	20	n.	7	5	15	10	5.8	.0	.0	4
Boise [1]	2,739	5	49	915.7	1,010.2	−2.7	60.8	−3.7	97	30	72	40	8	49	38	45	64	2.04	+1.1	11	9.6	nw.	40	s.	20	8	10	12	5.7	.0	.0	6
Pocatello [1]	4,478	5	31	859.1	1,009.8	−1.7	57.6	−3.9	95	30	71	38	11	44	42	41	63	3.39	+2.3	13	9.3	sw.	40	e.	8	6	12	12	6.0	.0	.0	8
Spokane [1]	1,929	27	42	943.4	1,011.2	−2.7	62.6	−.2	92	29	75	42	14	50	39	44	59	1.11	−.2	9	7.5	ne.	35	ne.	8	5	16	9	6.2	T	.0	6
Walla Walla	991	57	65	976.0	1,011.2	−3.4	66.2	−.3	100	29	77	47	2	55	38	----	---	.39	−.7	11	6.5	sw.	2	3 w.	7	8	14	8	5.4	.0	.0	4
Yakima	1,076	58	67	972.9	1,010.8	------	67.0	+.6	93	29	79	41	2	55	34	----	---	1.60	+1.0	4	8.0	nw.	27	nw.	7	10	12	8	5.2	.0	.0	1
North Pacific Coast Region							59.2	−0.6									72	0.94	−0.7										6.6			
North Head	211	5	56	1,009.1	1,016.3	+.7	54.6	−.2	64	9	59	45	2	50	14	50	85	.86	−1.4	8	12.8	n.	36	nw.	7	4	5	21	7.8	.0	.0	0
Seattle [2]	125	90	321	1,010.8	1,015.2	+.7	60.8	−.6	88	9	70	45	2	52	32	48	67	.83	−.5	6	7.9	s.	24	n.	8	7	7	16	6.3	.0	.0	0
Tacoma	194	172	201	1,008.5	1,014.9	−2.0	59.4	+.7	86	10	68	42	2	51	30	----	--	.80	−.7	4	8.2	sw.	26	sw.	1	9	7	14	5.9	.0	.0	0
Tatoosh Island	86	9	61	1,013.5	1,016.3	−.3	52.8	−.2	79	9	57	43	2	49	26	48	86	.60	−2.6	7	10.0	w.	36	s.	10	5	9	16	6.8	.0	.0	0
Medford [1]	1,329	29	58	967.2	1,013.9	------	62.8	−3.0	94	28	76	40	4	50	44	45	61	1.51	+.8	7	----	nw.	---	------	---	6	7	17	6.2	.0	.0	1
Portland, Oreg. [2]	154	68	106	1,010.2	1,015.2	−2.1	62.6	+.2	89	28	71	46	2	54	34	50	70	.77	−.8	7	6.2	nw	28	sw.	1	5	9	16	6.8	.0	.0	1
Roseburg	510	45	76	997.3	1,015.6	−1.3	61.6	−.9	90	28	72	45	5	51	40	48	66	1.18	+.1	6	4.6	n.	15	n.	7	3	10	17	6.7	.0	.0	1
Middle Pacific Coast Region							62.5	−1.8									68	1.06	+0.6										5.6			
Eureka	60	72	88	1,014.9	1,016.9	+.7	54.6	+.3	61	19	58	46	15	51	12	50	86	1.19	+.5	7	8.1	n.	28	n.	8	0	11	19	7.7	.0	.0	1
Redding [1]	722	20	34	985.8	1,011.2	------	69.8	−5.3	98	29	80	48	3	59	30	45	48	2.41	+1.6	8	7.8	nw.	37	se.	23	11	8	11	5.4	.0	.0	5
Sacramento	66	92	115	1,009.1	1,011.2	−1.0	67.8	−1.6	101	28	81	46	3	54	41	48	58	.52	+.4	3	8.8	s.	35	nw.	8	16	10	4	3.5	.0	.0	2
San Francisco [2]	155	112	132	1,008.1	1,013.5	−1.1	57.8	−.7	72	8	63	50	14	53	21	50	80	.12	−.1	3	10.6	w.	27	w.	12	8	11	11	5.8	.0	.0	1
South Pacific Coast Region							66.5	−2.5									63	0.06	0.0										4.4			
Fresno [1]	327	5	35	999.0	1,010.5	−.3	72.0	−3.7	105	29	87	49	3	57	38	45	46	.02	−.1	1	8.6	nw.	30	nw.	8	20	9	1	2.6	.0	.0	1
Los Angeles	338	223	250	1,001.4	1,012.9	+.4	63.4	−3.0	85	4	72	50	16	55	29	52	71	.05	.0	3	6.4	w.	20	w.	21	10	15	5	4.7	.0	.0	0
San Diego [1]	87	20	55	1,010.5	1,012.9	−.3	64.2	−.8	76	4	71	54	17	58	22	54	71	.10	.0	3	7.8	w.	17	se.	8	5	17	8	5.8	.0	.0	0
West Indies																																
San Juan, P. R.	82	10	54	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------
Panama Canal																																
Balboa Heights	118	6	92	------	[3]1,010.2	−.4	79.7	.0	92	27	86	70	30	74	18	74	[3]88	15.37	+7.0	17	4.8	s.	22	s.	15	0	13	17	7.4	.0	.0	8
Cristobal	27	47	97	------	[3]1,010.2	.0	81.8	+.3	92	21	87	71	30	76	16	75	[3]82	6.31	−7.5	21	5.7	s.	26	se.	30	0	5	25	8.3	.0	.0	12

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Anemometer above ground	Pressure: Station	Pressure: Sea level	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	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	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms
	Ft.	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	%	In.	In.		Mi.								0	-10	In.	In.	
Alaska																															
Anchorage [1]	132	6	44	------	1,012.5	------	54.3	+.8	73	17	64	31	3	45	30	44	70	.86	+.2	10	5.9	nw.	27	s.	2	2	10	18	----	.0	.0	1
Fairbanks [1]	455	4	63	------	1,012.5	------	58.6	+.2	82	18	72	37	3	46	39	45	66	1.03	−.3	9	7.2	sw.	28	w.	19	1	12	17	7.4	.0	.0	4
Juneau [1]	80	6	21	------	1,016.6	------	54.4	------	80	15	64	34	2	45	---	44	74	3.04	-----	13	7.1	n.	24	e.	4	7	4	19	----	.0	.0	0
Nome	22	25	56	------	1,013.9	------	45.4	−.2	75	22	51	28	2	40	26	40	88	.85	−.3	8	8.1	w.	23	e.	18	0	8	22	8.1	T	.0	0
Bethel	28	7	31	1,012.2	1,013.5	------	53.2	+.1	71	11	62	35	2	45	29	46	78	.91	−.2	7	8.5	nw.	24	------	18	3	10	17	7.1	.0	.0	0
Gambell	32	5	32	1,013.5	1,014.6	------	37.2	−1.3	53	26	41	25	4	33	16	35	93	.57	+.1	9	11.0	sw.	38	ssw.	18	0	3	27	9.0	.0	.0	0
Kotzebue	20	5	31	1,013.5	1,013.9	------	43.4	−.3	71	22	49	26	6	38	25	40	88	.80	+.4	8	----	w.	---	------	---	1	7	22	8.2	T	.0	0
McGrath	331	5	31	1,001.0	1,013.5	------	57.3	------	79	21	67	39	10	48	31	46	70	2.17	-----	13	----	e.	24	sse.	2	0	11	19	7.9	.0	.0	2
Northway	1,718	5	32	950.9	------	------	56.8	------	82	14	69	32	1	45	37	43	65	2.27	-----	14	6.7	nw.	27	------	10	1	16	13	6.9	.0	.0	5
Summit	2,405	5	30	929.6	1,016.6	------	49.8	------	70	20	59	32	1	41	28	42	76	2.24	-----	9	----	sw.	---	------	---	0	10	20	8.4	.0	.0	0
Hawaiian Islands																															
Honolulu	38	86	100	1,015.9	1,016.6	------	76.4	−.2	82	7	80	70	7	72	12	----	---	.46	−.5	12	9.4	E.	28	E.	1	9	12	9	5.6	.0	.0	0

[1] Data are airport records.
[2] Barometric data (adjusted to old city elevation) and hygrometric data from airport; otherwise city office records.
[3] Observations taken bihourly.
[4] Pressure (adjusted to old city elevation) temperature and hygrometric data from airport; otherwise city office records.
[5] Temperature and precipitation from city office records, other data from airport.

NOTE.—Except as indicated by notes 1, 2, 4, and 5 data in table are city office records.

SEVERE LOCAL STORMS, JUNE 1944

[Compiled by Callie E. Rhodes]

[The table herewith contains such data as has been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the United States Meteorological Yearbook]

Place	Date	Time	Width of path, yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Dodgeville, Wis., vicinity of.	1	5-7 a. m.	------	1	------	Lightning	1 man killed by lightning and 2 others badly shocked.
Barnwell County, S. C.	1	P. m.	------	1	------	do	Man killed while working in field.
Rockville, Ind., vicinity of.	1	4:30 p. m.	[1] 1	0	$3,500	Hail	Crop damage, $3,000; property damage, $500.
Ainsworth, Nebr., vicinity of.	2	3 p. m.	[1] 3	0	Unestimated	do	Rye and corn damaged, requiring some replanting of corn.
Bennet and Fullerton, Nebr., vicinity of.	3	2:30-5:45 p. m.	------	0	$10,500	Wind squall and hail	30 percent loss to crops over a limited area in vicinity of Bennet; value of property destroyed, $500. Near Fullerton corn and small grain damaged; gardens completely ruined; some windows broken and roofs damaged. Property damage estimated at $10,000.
Lakefield, Minn., vicinity of.	3	4:45 p. m.	53	0	$5,000	Thundersquall	Buildings on 2 farms were wrecked; trees uprooted; growing crops slightly damaged.
Minneapolis, St. Paul, Milaca, Morris, Campbell, Wheaton, St. James and vicinity, Minn.	3-4	------	------	0	$300,000	Heavy rain	Flooded lowlands, highways, roads, streets and basements; telephone and power lines down; growing crops damaged; losses to merchandise, machinery and other equipment in basements; streetcars burned out by sand and water and from being struck by lighting.
Nicollet, Hennepin, and Ramsey Counties, Minn.	4	P. m.	------	0	$34,000	Hail	Considerable damage to real property and growing crops.
Between Kimbrae and Heron Lake, Minn.	4	3 p. m.	880	1	$60,000	Thundersqualls	Houses, barns, outbuildings, silos and windmills were demolished or damaged on at least 12 farms; many trees uprooted; a 20,000-bushel grain elevator was wrecked; some livestock and poultry perished. 3 persons were injured, 1 fatally.
Nicollet, Waseca, Hennepin, Ramsey and Washington Counties, Minn.	4	P. m.	------	0	$80,000	do	Many roofs of buildings and chimneys were damaged; windows broken; poles and wires down; many trees uprooted. 1 person injured.
Fort Wayne, Ind.	5	------	------	0	$3,000	Wind	Trees down; some buildings damaged.
Uvalde, Tex., vicinity of.	6	A. m.	[1] 1	0	Unestimated	Tornado	1 person injured. 1 ranch house, several small buildings and windmills damaged.
Warrenton, Va., vicinity of.	6	P. m.	------	0	$30,000	Electrical	Chicken hatchery damaged and chickens killed.
Haigler, Nebr., vicinity of.	7	4-6 p. m.	[1] 10	0	$20,000	Hail and heavy rain	Damage to crops estimated at $20,000, besides some damage to trees and small buildings.
Scotts Bluff and Morrill Counties, Nebr.	7	3-5 p. m., C. W. T.	[1] 2-3	0	$35,000	Hailstorm	Storm moved from northwest to southeast. Alfalfa, sugar beets, barley and other small grains damaged; beans and corn required replanting in places.
Chaves, Curry and Roosevelt Counties, N. Mex.	10	P. m.	[1] 1-7	0	$27,500	Wind and hail	Damage from heavy hail considerable at Melrose and Hagerman; damage from wind and hail at Roswell estimated at $2,500, and from hail at Portales estimated at $25,000.
Lake, Blaine, Fergus, Carbon, Valley Counties, Mont.	11	5-11 p. m.	[1] ½-4	0	$27,000	Hail and rain	Winter wheat, alfalfa, gardens and fruit damaged. In Valley County loss in wheat, beets and alfalfa 30 to 75 percent.
Putnamville, Ind., vicinity of.	12	P. m.	------	0	$1,500	Wind	Buildings damaged; trees down.

[1] Miles instead of yards.