CLIMATOLOGICAL DATA

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS

[For description of tables and charts, see Review, January 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	Departuer from the normal	Station	Amount	Station	Amount
	°F.	°F.		°F.			°F.		In.	In.		In.		In.
Alabama	53.2	+4.3	Wetumpka	85	15	Valley Head	10	1	7.05	+1.80	Centerville	13.04	Frisco City	2.70
Arizona	46.8	+.9	Wellton	84	15	Alpine	−5	27	.53	−.83	Bright Angel R. S	3.37	2 stations	.00
Arkansas	44.2	+.5	Morrilton	88	15	Mammoth Spring	12	1	7.78	+4.27	Dardanelle	11.40	Dumas	4.96
California	47.7	−.1	Eagle Mountain	87	12	Ellery Lake	−8	15	5.42	+.81	Bullard's Bar P. H	18.35	Hayfield Reservoir	.00
Colorado	30.3	+3.1	Eversoll Ranch	81	14	Taylor Park	−30	27	.85	−.13	Wolf Creek Pass	4.92	3 stations	T
Florida	64.3	+3.7	3 stations	91	[1] 19	Lake City	23	1	1.24	−1.84	St. Lucie Lock No. 2	4.94	4 stations	.00
Georgia	52.2	+3.5	5 stations	85	27	Blairsville	8	1	5.64	+.78	Experiment	9.80	Savannah Beach	1.15
Idaho	32.0	+3.9	Bruneau	65	10	Island Park Dam	−21	26	2.28	+.52	Roland	6.17	Barton Flat	.16
Illinois	32.7	+2.8	Sparta	81	15	Freeport	−14	1	2.52	+.58	Elizabethtown	8.94	Rochelle	.52
Indiana	32.6	+2.0	Madison	75	15	Forest Reserve	−12	1	3.28	+.84	Scottsburg	7.34	Notre Dame	.91
Iowa	25.5	+3.0	Corning	68	14	Decorah	−23	1	1.43	+.34	Shenandoah	2.75	Centerville	.55
Kansas	35.2	+2.0	3 stations	79	14	Greensburg	2	28	.91	−.08	Oswego	2.32	Goodland	.13
Kentucky	38.9	+1.7	5 stations	78	15	Shelbyville	−9	1	6.37	+2.90	Lancaster	9.01	Pikesville	4.08
Louisiana	57.1	+3.2	Donaldsonville	86	16	Lake Providence	23	1	5.60	+1.04	Lake Providence	8.94	Port Sulphur	2.71
Maryland-Delaware.	35.1	+1.8	Salisbury, Md	70	22	Oakland, Md	−11	4	3.16	+.25	Sines, Md	5.77	Edgemont, Md	1.69
Michigan	22.8	+2.5	Dowagiac	54	25	Watersmeet	−33	19	1.72	+.03	Phoenix	5.88	Eau Claire	.41
Minnesota	15.2	+2.5	Redwood Falls	51	24	Pine River Dam	−36	17	1.20	+.44	Pigeon River Bridge	3.20	Argyle	.07
Mississippi	52.8	+3.3	Magnolia	85	16	Booneville	16	1	7.37	+2.41	Louisville	12.64	Bay St. Louis	4.01
Missouri	35.5	+2.2	Arcadia	85	15	Canton	−13	1	4.05	+1.94	Elijah	10.38	Chillicothe	.42
Montana	25.1	+2.8	Fort Benton	59	8	2 stations	−33	16	.60	−.16	Trout Creek	3.22	3 stations	T
Nebraska	30.0	+3.6	Culbertson	75	14	do	−14	17	.73	+.03	Ashland	2.52	2 stations	T
Nevada	36.7	+2.6	Hiko	82	[1] 15	Ruby Lake	−12	25	1.54	+.45	Marlette Lake	8.90	Mina	.00
New England	24.2	+1.5	Fall River, Mass	54	22	Lake Frontiere, Maine	−30	18	3.47	+.40	Somerset, Vt	6.16	Bethlehem, N. H	.74
New Jersey	32.2	+1.6	4 stations	60	27	Layton	−8	6	3.16	−.31	Elizabeth	4.62	Lambertville	2.11
New Mexico	39.8	+2.5	Pearl (near)	86	21	Eagle Nest	−22	7	.22	−.48	3 stations	.80	19 stations	.00
New York	24.6	+2.1	New York	57	27	Whitehall	−18	4	2.81	+.14	Williamstown	5.75	Peru	1.02
North Carolina	44.4	+1.7	Plymouth	82	16	Mount Mitchell	−9	1	5.08	+1.03	Andrews	8.09	Elizabethtown	2.55
North Dakota	15.1	+5.2	Medora	52	8	Ashley	−29	18	.36	−.10	Ellendale	1.89	Fessenden	.02
Ohio	30.9	+1.4	Portsmouth	79	15	Mansfield	−10	3	3.23	+.63	Hillsboro	6.11	Bowling Green	1.05
Oklahoma	41.8	+.6	4 stations	81	[1] 9	Fort Reno	2	28	3.20	+1.74	Tuskahoma	13.21	Kenton	.18
Oregon	37.7	+2.4	3 stations	68	7	2 stations	−7	19	4.04	+.85	Valsetz	19.43	Redmond	.44
Pennsylvania	30.5	+2.1	Uniontown	71	15	4 stations	−14	4	2.66	−.15	Portland	5.31	Covington	1.26
South Carolina	50.0	+2.5	Walterboro	88	28	Caesars Head	6	1	4.76	+.54	Longcreek	8.07	Florence Airport	2.55
South Dakota	22.6	+3.3	Kennebec	66	8	Pollock	−28	17	.68	+.12	Sioux Falls	2.18	Camp Crook	.11
Tennessee	42.4	+1.2	Celina	79	15	2 stations	1	1	7.50	+3.05	Lewisburg	12.89	Dover	4.05
Texas	52.6	+1.3	Harlingen	95	13	Quanah	10	28	2.77	+.99	Paris	9.75	3 stations	.00
Utah	33.4	+3.5	2 stations	73	[1] 8	2 stations	−15	26	1.88	+.57	Silver Lake (Brighton)	7.65	Callao	.05
Virginia	39.4	+2.1	Diamond Springs	81	16	Mountain Lake	−4	1	3.52	+.44	Pennington Gap	7.39	Riverton	1.79
Washington	37.6	+3.4	Richland	69	7	Chesaw	−4	16	4.57	+1.06	Quinault	18.87	Clarkston Heights	.81
West Virginia	35.5	+2.1	London Locks	80	15	2 stations	−13	4	4.36	+1.23	Kumbrabow State Forest.	6.68	Martinsburg	1.52
Wisconsin	19.2	+2.0	Wisconsin Dells	55	24	Solon Springs	−33	17	1.99	+.79	Wausau Airport	4.51	Oconomowoc	.86
Wyoming	24.1	+1.9	Hawk Springs	63	8	Triangle F Ranch	−32	[1] 25	1.00	+.22	Grassy Lake Dam	7.51	2 stations	T
Alaska (January)	15.2	+12.4	Japonski	52	29	Point Lay	−53	11	2.38	+.18	Whittier	32.36	do	T
Hawaii	70.5	+1.8	Waianae	90	24	Haleakala R. S	35	12	3.29	−4.28	Koolau Dam	18.17	6 stations	.00
Puerto Rico														
Late Report for January, 1945														
Pennsylvania	20.4	−7.8	2 stations	58	1	Kane	−28	25	2.68	−.48	Montrose	5.45	Jamestown	1.04

[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	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	Total degree days	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	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.	In.		Mi.								0-10	In.	In.	
New England							26.3	+1.5										77	3.73	+0.4											5.9			
Eastport	75	67	85	1,012.9	1,016.3	+1.1	24.8	+3.3	46	22	31	8	1	18	25	1,127	16	70	3.96	+.6	1.25	11	11.8	nw.	44	ne.	8	12	5	11	5.4	19.3	13.8	0
Greenville, Maine.	1,070	6	41	976.0	1,017.6	----	16.4	+2.9	37	11	27	−12	15	6	42	1,362	11	---	2.32	−.4	.66	11	---	n.	---	---	--	8	6	14	---	17.4	32.5	0
Portland, Maine [1]	103	5	43	1,013.2	1,017.6	+1.0	21.9	−1.9	44	23	34	−9	1	10	41	1,201	16	82	3.92	−.1	1.42	11	8.9	nw.	34	n.	8	10	9	9	5.4	27.6	7.5	0
Concord [1]	289	5	45	1,006.8	1,018.0	+.7	23.0	+2.7	44	27	34	−6	7	12	43	1,173	16	76	3.00	+.1	1.15	15	9.0	nw.	28	nw.	1	7	10	11	6.1	17.9	9.5	0
Burlington [1]	403	5	51	1,002.7	1,018.6	+1.7	20.2	+.8	42	23	30	−9	4	11	32	1,255	15	82	.82	−.8	.22	11	7.9	nw.	31	w.	27	2	9	17	7.3	6.5	3.4	0
Boston [1]	124	33	62	1,012.5	1,017.6	+.3	30.5	+1.7	51	27	37	11	1	24	23	965	21	70	4.09	+.7	1.63	13	12.7	nw.	37	ne.	8	6	10	12	6.1	26.3	1.3	0
Nantucket	12	11	59	1,016.6	1,017.3	.0	31.9	+1.2	50	22	37	15	1	27	18	925	26	82	5.07	+1.7	1.46	16	11.8	nw.	47	e.	8	9	6	13	6.0	13.8	.0	0
Block Island	26	11	46	1,016.3	1,017.6	−.4	31.8	+1.4	50	22	37	15	1	26	17	928	26	81	5.16	+1.5	1.41	15	17.8	nw.	45	nw.	1	11	9	8	5.1	12.6	T	0
Providence [3]	159	46	60	1,011.9	1,018.3	+.7	31.4	+2.4	52	22	39	12	1	24	23	944	20	70	4.26	+.6	1.58	14	9.0	nw.	36	sw.	27	10	7	11	5.8	23.9	T	0
Hartford [1]	159	5	44	1,012.2	1,019.0	+1.0	27.6	+.4	47	27	37	−2	4	18	37	1,042	20	76	4.55	+.7	1.44	16	9.0	nw.	28	n.	8	7	11	10	5.9	24.3	4.9	0
New Haven [1]	107	5	39	1,014.6	1,019.0	+.7	29.6	+1.7	48	16	37	11	6	22	23	994	22	78	3.87	+.2	1.18	15	7.8	nw.	21	nw.	1	8	7	13	6.1	16.1	.1	0
Middle Atlantic							35.2	+2.1										73	3.07	−0.1											6.5			
Albany [1]	97	26	40	1,014.9	1,019.0	+.7	24.8	+3.4	43	23	32	0	7	18	29	1,124	18	75	1.47	−1.0	.50	13	10.4	w.	34	w.	1	4	9	15	6.9	11.6	2.1	0
Binghamton [3]	871	60	79	986.1	1,019.6	+1.0	26.2	+2.2	52	22	34	−8	4	18	41	1,080	18	82	2.53	+.3	.64	17	6.7	w.	24	w.	2	3	9	16	7.7	15.6	7.0	1
New York	314	415	454	1,006.8	1,019.3	+.7	34.4	+3.1	57	27	42	15	1	27	29	857	23	66	3.01	−.8	.86	13	16.7	nw.	46	nw.	24	7	10	11	5.7	6.1	T	0
Harrisburg [1]	374	30	49	1,005.8	1,020.0	+1.0	32.3	+2.1	58	26	40	8	4	25	27	916	24	75	2.02	−.9	.61	11	8.2	nw.	28	nw.	2	6	8	14	6.7	9.7	.3	0
Philadelphia [1]	114	5	57	1,015.6	1,020.3	+1.0	33.8	+1.3	58	27	41	13	20	26	26	875	26	78	3.35	.0	.81	12	9.1	nw.	26	nw.	1	7	2	19	6.9	7.9	.0	0
Reading	323	47	306	1,007.5	1,020.3	----	33.4	+2.9	55	27	40	11	4	26	25	880	---	---	2.77	−.6	1.02	11	11.6	nw.	35	e.	13	7	6	15	6.6	7.0	.2	0
Scranton	805	72	104	989.5	1,020.0	+1.4	28.5	+1.2	49	15	36	2	4	21	33	1,024	---	---	2.55	−.5	1.10	13	6.3	n.	23	nw.	16	3	11	14	6.9	10.9	4.1	1
Atlantic City	52	37	172	1,017.6	1,020.0	+.4	35.4	+1.8	57	16	42	17	19	29	18	827	27	76	3.64	+.3	1.13	12	16.3	w.	47	ne.	13	7	5	16	6.6	2.9	.0	0
Trenton	190	89	107	1,012.5	1,020.0	----	34.1	+3.4	59	27	41	15	1	27	28	865	24	70	2.54	−.7	.73	13	9.3	nw.	29	nw.	1	6	7	15	6.7	6.6	T	0
Baltimore [2]	123	100	215	1,015.6	1,020.7	+1.1	38.6	+3.2	61	27	45	18	1	32	27	735	26	70	3.44	.0	1.28	10	10.0	nw.	28	sw.	23	8	5	15	6.1	3.7	.5	0
Washington [2]	112	56	100	1,016.3	1,021.0	+1.4	38.4	+3.1	65	10	46	16	1	30	32	743	26	65	2.94	−.3	.72	10	8.4	nw.	25	nw.	1	7	4	17	6.4	2.6	.0	0
Cape Henry	18	8	54	1,019.3	1,020.7	----	42.4	+1.2	75	22	49	20	1	35	35	638	34	78	4.61	+1.4	1.16	12	12.5	n.	34	nw.	6	10	6	12	5.9	T	.0	0
Lynchburg [1]	686	4	50	994.9	1,020.3	+.7	40.0	−.3	66	10	49	11	1	31	33	695	26	65	2.76	−.4	1.09	10	9.0	n.	29	sw.	26	7	6	15	6.7	.2	.0	0
Norfolk [2]	91	80	125	1,017.3	1,0213.	+1.7	44.0	+1.3	77	16	52	17	1	36	31	586	34	76	5.16	+1.9	1.56	13	10.4	ne.	27	sw.	22	8	8	12	6.1	T	.0	0
Richmond	144	11	52	1,014.6	1,021.3	+.7	41.8	+2.2	74	16	52	13	1	32	34	648	30	68	3.28	+.1	1.10	10	8.8	sw.	30	sw.	26	10	4	14	6.0	T	.0	0
South Atlantic							49.8	+2.6										77	3.94	+0.2											6.1			
Asheville	2,253	77	92	939.4	1,020.7	+.4	42.3	+3.8	71	15	52	7	1	33	39	638	31	72	4.22	+1.1	1.38	13	9.4	nw.	24	nw.	28	5	7	16	7.1	1.0	.0	0
Charlotte [2]	779	63	86	991.9	1,020.7	+.7	46.4	+2.5	74	16	55	17	1	38	30	522	36	76	5.37	+1.2	1.96	14	7.5	ne.	21	sw.	27	7	6	15	7.0	T	.0	0
Greensboro [1]	886	6	56	988.2	1,021.3	----	42.0	+2.6	70	26	52	14	1	32	38	645	32	75	4.90	+1.2	1.61	14	8.1	ne.	25	sw.	26	4	8	16	7.2	T	.0	0
Hatteras	11	5	50	1,020.0	1,020.7	+1.1	46.4	−1.0	63	28	53	22	1	40	23	522	40	86	4.54	+.5	1.22	14	13.5	n.	34	n.	18	7	9	12	5.6	.0	.0	1
Raleigh [1]	376	5	69	1,006.8	1,021.0	+1.4	44.8	+1.6	75	16	54	13	1	35	32	563	34	76	4.64	+.7	1.23	16	7.8	w.	24	sw.	27	12	4	12	5.6	.0	.0	0
Wilmington	72	73	107	1,018.3	1,021.3	+1.3	50.7	+2.8	78	27	60	19	1	42	33	407	42	80	3.38	+.1	1.19	14	10.6	sw.	35	sw.	13	12	5	11	5.4	.0	.0	0
Charleston [2]	48	11	92	1,019.0	1,021.0	+1.0	54.0	+1.6	78	27	61	26	1	47	21	314	44	82	4.02	+1.0	1.63	12	10.6	sw.	27	s.	22	10	8	10	5.4	.0	.0	0
Columbia, S. C. [2]	347	70	91	1,007.8	1,020.7	+1.1	51.2	+3.0	79	17	61	20	1	41	37	394	40	75	2.92	−.8	.90	13	8.5	ne.	30	sw.	17	9	7	12	5.9	.0	.0	0
Greenville, S. C. [1]	1,040	18	36	982.4	1,020.7	----	46.4	+3.1	73	16	55	18	1	38	29	517	36	74	5.99	+.8	2.25	14	9.3	sw.	34	sw.	17	5	6	17	7.4	.0	.0	2
Augusta [2]	182	62	77	1,013.9	1,020.7	+.7	53.0	+3.1	80	27	63	21	1	43	33	349	40	72	3.54	−.6	1.02	12	6.0	w.	25	nw.	17	8	3	17	6.6	.0	.0	0
Savannah [2]	65	73	152	1,015.2	1,021.7	+1.7	57.8	+3.8	83	28	67	28	1	48	30	240	46	80	2.81	−.3	1.34	8	11.3	sw.	29	sw.	22	12	7	9	5.3	.0	.0	0
Jacksonville [2]	43	86	110	1,020.0	1,021.7	+1.7	62.1	+4.1	83	22	72	30	1	53	28	142	50	78	.90	−2.1	.68	6	8.5	s.	25	sw.	13	10	11	7	4.9	.0	.0	0
Florida Peninsula							69.4	+2.6										81	0.42	−1.5											3.2			
Key West [2]	21	10	64	1,019.3	1,020.3	+2.0	73.1	+2.6	82	18	78	57	2	68	16	11	64	81	.09	−1.2	.05	3	9.6	e.	22	e.	26	26	1	1	2.1	.0	.0	0
Miami [2]	25	242	249	1,019.6	1,020.7	+1.4	69.2	+1.2	78	18	74	45	2	64	28	41	60	83	.41	−1.6	.38	4	13.7	se.	31	se.	21	18	10	0	2.9	.0	.0	0
Tampa [1]	35	6	43	1,019.6	1,021.3	+2.0	65.8	+3.9	83	20	74	36	2	57	27	74	56	80	.75	−1.8	.62	3	9.9	sw.	29	sw.	6	8	14	6	4.1	.0	.0	0
East Gulf							54.5	+3.2										81	5.28	+0.5											6.8			
Atlanta [1]	1,173	33	72	978.0	1,020.3	+.3	48.7	+3.4	77	16	58	16	1	40	33	463	38	74	6.17	+1.1	1.63	14	11.6	nw.	35	nw.	22	5	4	19	7.4	.0	.0	1
Macon [2]	370	79	87	1,007.1	1,020.7	+.7	53.2	+3.9	77	15	63	21	1	43	35	338	43	77	4.77	+.3	1.43	15	6.6	s.	16	sw.	13	7	6	15	6.5	.0	.0	1
Thomasville	273	49	58	1,010.5	1,021.0	+1.0	58.9	+3.9	83	28	71	28	1	47	39	192	---	---	3.31	−1.2	1.12	8	---	---	---	---	--	6	8	14	---	.0	.0	3
Apalachicola	35	11	51	1,019.0	1,020.3	----	59.4	+3.1	76	18	66	31	1	53	22	174	53	84	2.87	−1.0	1.27	12	8.9	s.	23	s.	21	7	11	10	5.5	.0	.0	4
Pensacola	56	54	79	1,018.0	1,020.3	+.7	58.3	+3.1	78	27	66	32	1	51	24	211	52	85	2.76	−1.6	1.01	8	7.8	se.	24	w.	13	7	9	12	6.0	.0	.0	1
Anniston	741	9	---	---	---	---	49.5	+3.6	78	16	59	17	1	40	34	439	---	---	6.66	+1.2	1.98	13	---	nw.	---	---	--	7	3	18	---	.0	.0	3
Birmingham [1]	700	5	62	994.6	1,020.3	+.3	49.5	+3.0	77	15	59	18	1	40	36	442	42	82	7.76	------	2.71	15	9.8	n.	30	nw.	21	4	5	19	7.6	.0	.0	5
Mobile [2]	57	86	161	1,018.0	1,020.0	+.4	57.7	+3.0	77	17	66	31	1	49	29	228	50	86	2.81	−2.5	1.03	13	6.7	s.	23	s.	13	7	4	17	6.9	.0	.0	2
Montgomery [2]	218	92	105	1,012.5	1,020.7	+.7	54.7	+3.1	83	27	64	26	1	45	31	308	46	84	5.73	+.3	2.30	14	8.0	s.	26	w.	22	5	6	17	7.1	.0	.0	6
Meridian [2]	375	67	92	1,005.8	1,020.0	+.4	52.0	+2.4	80	26	62	23	1	42	35	380	44	82	10.65	+5.2	3.04	11	7.5	s.	34	n.	12	5	9	14	7.0	.0	.0	4
Vicksburg [2]	247	82	102	1,009.8	1,018.6	+.7	53.3	+1.5	80	16	63	27	1	44	33	337	44	81	6.95	+2.1	1.93	12	10.1	n.	25	n.	5	3	6	19	7.6	.0	.0	3
New Orleans [4]	53	50	84	1,016.9	1,019.0	.0	60.8	+4.5	81	15	69	35	1	52	26	177	52	78	5.41	+1.2	1.77	10	7.6	sw.	22	se.	12	7	4	17	6.4	.0	.0	2
West Gulf							54.5	+2.0										80	5.08	+2.4											6.8			
Shreveport [1]	249	5	64	1.008.8	1,018.3	−.7	52.6	+2.7	83	14	62	30	6	43	33	364	44	79	5.02	+1.7	1.80	13	11.1	e.	34	s.	21	6	4	18	7.4	.0	.0	5
Fort Smith	463	57	82	1.001.4	1,018.0	−1.3	43.6	+.8	78	15	51	26	8	36	33	601	36	78	8.54	+6.0	3.49	11	10.1	e.	27	w.	21	4	5	19	7.7	4.2	1.9	4
Little Rock [1]	357	26	58	1,006.1	1,019.3	−.3	43.5	−1.4	79	15	52	25	2	35	36	603	36	78	7.41	+3.6	3.09	16	9.5	ne.	27	se.	21	4	5	19	7.9	.3	.0	3
Austin [1]	605	10	41	995.3	1,016.9	----	54.8	+1.4	81	14	65	33	23	45	34	296	46	78	3.94	+1.6	1.55	12	10.4	s.	34	s.	25	9	1	18	6.4	.0	.0	3
Brownsville [1]	57	5	54	1,012.9	1,014.9	----	66.8	+4.2	89	13	76	43	23	58	30	58	60	84	.50	−1.0	.19	6	12.0	s.	34	s.	20	7	9	12	6.1	.0	.0	1
Corpus Christi [1]	20	4	33	1,015.2	1,015.9	−1.7	62.0	+5.3	87	13	72	39	8	53	37	123	56	83	2.37	------	1.06	14	13.9	se.	40	se.	20	9	5	14	6.1	.0	.0	3
Dallas [1]	512	5	45	998.6	1,017.6	----	50.2	+.2	78	14	60	30	27	40	37	419	40	76	7.68	+5.4	2.73	11	12.1	s.	33	s.	9	4	8	16	7.3	.0	.0	5
Fort Worth [1]	679	40	56	992.9	1,017.6	−.7	49.6	+2.3	80	14	59	28	28	40	37	438	40	75	6.96	+5.2	2.60	12	12.6	nw.	33	nw.	7	4	7	17	7.3	T	.0	6
Galveston [2]	54	106	114	1,015.2	1,017.3	−1.0	59.0	+2.7	71	14	64	40	28	54	25	176	54	88	4.45	+1.6	2.39	8	12.4	s.	30	nw.	5	5	7	16	6.8	.0	.0	3
Houston [2]	138	157	190	1,012.2	1,017.3	----	59.0	+3.1	79	14	67	40	28	51	29	195	53	85	2.38	−.8	1.18	9	12.1	se.	30	nw.	21	7	7	14	6.3	.0	.0	3
Palestine	510	64	72	999.3	1,017.6	−1.0	53.5	+2.3	83	14	63	33	28	44	31	338	44	73	3.14	+.1	.96	10	9.2	s.	26	w.	21	7	5	16	6.5	.0	.0	3
Port Arthur	34	59	134	1,016.6	1,017.6	----	58.8	+1.7	75	15	66	40	6	52	25	190	52	86	6.98	+3.4	3.11	9	14.6	s.	38	se.	12	5	9	14	6.5	.0	.0	3
San Antonio [1]	693	8	51	991.9	1,016.3	−1.3	55.6	+.2	82	14	66	32	8	45	38	278	48	78	3.90	+2.2	1.65	14	10.0	ne.	40	nw.	21	10	1	17	6.4	.0	.0	5

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	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	Total degree days	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	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.	In.		Mi.								0-10	In.	In.	
Ohio Valley and Tennessee							36.5	+1.4										80	5.16	+1.7											7.5			
Chattanooga [1]	762	6	66	992.2	1,020.7	+.4	44.1	+1.9	76	15	54	12	1	34	39	588	36	78	7.87	+3.0	3.30	13	8.4	ne.	34	w.	7	3	5	20	7.7	T	.0	4
Knoxville [1]	995	27	53	984.1	1,021.0	+1.0	43.5	+2.7	74	15	53	10	1	34	35	598	34	78	7.03	+2.5	2.43	13	8.7	ne.	42	sw.	22	3	6	19	7.6	T	.0	2
Memphis [4]	399	5	86	1,004.4	1,019.3	−.3	44.2	+1.2	75	15	52	22	1	36	35	584	36	78	5.48	+1.1	1.56	13	8.8	e.	27	w.	22	3	5	20	8.0	T	.0	2
Nashville [1]	546	5	72	1,000.0	1,020.0	.0	41.8	+.2	77	15	51	10	1	33	35	649	34	78	7.50	+3.4	2.72	12	9.8	ne.	30	sw.	15	5	4	19	7.4	T	.0	5
Lexington	989	4	28	983.4	1,020.7	+1.1	36.2	+.8	76	15	46	−5	1	26	33	805	29	80	6.25	+2.6	2.83	15	----	s.	----	------	--	6	5	17	6.9	.8	T	2
Louisville [2]	525	106	120	1,001.0	1,020.7	+1.1	37.4	+.2	74	15	46	5	1	29	29	775	29	78	5.68	+2.1	3.13	12	9.0	n.	35	sw.	15	6	7	15	6.9	2.1	.0	1
Evansville [1]	431	11	40	1,004.1	1,020.3	+.7	36.0	+1.1	69	15	44	−1	1	28	32	811	30	80	6.33	+3.1	3.13	11	8.9	nw.	29	sw.	22	2	7	19	8.0	1.5	.0	2
Indianapolis [1]	823	5	54	988.8	1,020.3	+1.0	32.0	+1.7	65	15	40	−6	1	24	31	927	26	82	2.59	------	.87	12	10.5	se.	38	w.	22	3	6	19	7.8	2.6	T	0
Terre Haute [2]	575	68	149	999.0	1,020.7	-----	34.6	+2.5	71	15	42	1	1	27	35	850	27	80	2.74	+.1	.93	10	9.8	s.	28	sw.	15	3	6	19	7.6	5.0	.2	0
Cincinnati [2]	627	11	51	997.0	1,021.0	+1.7	34.4	+1.6	73	15	43	1	1	25	33	858	26	80	5.43	+2.4	2.41	13	7.9	w.	29	sw.	22	8	5	15	6.6	6.1	T	1
Columbus [2]	822	90	110	989.5	1,020.7	+1.7	32.8	+2.1	68	15	40	4	1	26	29	903	26	81	3.14	+.5	1.31	9	10.0	s.	40	sw.	22	3	8	17	7.4	.6	T	0
Dayton [1]	1,003	6	55	982.7	1,020.3	-----	30.2	+.3	63	15	38	0	1	22	30	976	25	82	2.71	.0	1.05	10	11.5	nw.	42	sw.	22	6	3	19	7.4	1.3	T	0
Elkins [1]	1,947	4	45	949.2	1,021.0	+1.7	33.5	+2.5	69	15	44	0	4	23	48	884	28	86	4.26	+1.2	1.27	14	8.2	w.	34	w.	28	3	6	19	7.5	6.7	T	1
Parkersburg	637	77	84	996.6	1,020.7	+1.4	35.0	+.8	75	15	44	5	1	26	41	841	27	76	5.07	+1.9	2.89	12	6.8	sw.	23	sw.	28	4	7	17	7.3	5.4	T	2
Pittsburgh [1]	842	39	54	988.5	1,020.0	+1.0	31.9	+2.1	65	15	40	8	1	24	31	929	24	78	2.78	+.2	.86	17	11.1	w.	42	sw.	22	2	6	20	7.9	3.8	T	0
Lower Lakes							26.8	+2.7										84	2.12	−0.4											8.1			
Buffalo [1]	768	34	96	989.5	1,019.0	+1.0	26.2	+2.5	52	22	33	4	4	20	26	1,089	22	86	3.04	+.1	.67	16	15.3	w.	47	w.	22	0	7	21	8.5	23.3	6.8	1
Canton	448	10	61	1,000.7	1,018.0	-----	19.8	+4.0	50	22	28	−7	4	12	33	1,261	17	90	2.02	−.2	.58	17	9.8	w.	30	w.	16	3	8	17	7.7	11.2	8.8	1
Oswego	335	71	85	1,005.8	1,019.0	+1.0	26.8	+4.1	48	22	32	12	1	22	20	1,072	20	77	2.78	+.1	.61	17	10.8	se.	29	se.	22	2	3	23	8.2	26.7	6.5	2
Rochester [1]	523	5	69	999.0	1,019.3	+1.3	25.1	+2.2	49	22	32	−3	4	18	33	1,115	20	82	2.31	−.4	.44	17	12.7	w.	47	sw.	22	1	10	17	7.9	13.9	4.9	1
Syracuse [1]	596	5	57	995.9	1,019.0	+.7	26.3	+3.4	51	22	33	5	13	19	28	1,083	22	83	2.56	−.2	.58	20	11.2	sw.	33	s.	22	1	4	23	8.2	14.7	7.7	1
Erie [2]	714	57	81	992.9	1,020.3	+2.0	28.6	+1.7	54	22	35	10	18	23	24	1,020	24	90	2.47	−.1	.55	16	9.4	w.	32	se.	21	1	5	22	8.4	14.0	1.4	1
Cleveland [1]	762	27	54	990.9	1,020.0	+1.7	29.4	+3.1	53	22	37	10	3	22	27	997	25	86	1.67	−.8	.58	15	11.5	sw.	46	sw.	22	2	5	21	8.1	8.6	1.0	0
Sandusky	629	5	67	995.9	1,020.0	+1.7	29.8	+2.4	53	15	36	8	3	23	26	986	----	----	1.57	−.6	.57	14	9.6	w.	30	sw.	22	4	3	21	7.8	7.3	1.5	0
Toledo [1]	628	5	47	995.9	1,020.7	+2.4	27.4	+1.4	49	22	35	6	3	20	26	1,051	24	85	1.29	−.8	.71	11	11.5	w.	38	sw.	22	2	4	22	8.3	6.4	1.4	0
Fort Wayne [1]	857	5	33	987.1	1,019.6	-----	28.0	+1.4	52	22	36	0	2	20	26	1,034	24	84	1.68	−.7	.85	15	9.5	w.	33	sw.	15	2	6	20	7.9	6.4	1.0	0
Detroit [1]	730	5	78	991.9	1,019.6	+1.6	27.8	+3.0	49	22	34	10	18	22	23	1,046	23	82	1.89	−.3	.97	13	10.8	nw.	33	nw.	15	3	6	19	8.0	7.7	1.6	1
Upper Lakes							21.8	+3.5										82	1.69	0.0											6.9			
Alpena	609	5	89	994.6	1,018.6	+1.7	21.3	+3.3	41	22	30	0	12	13	27	1,230	18	84	1.63	−.1	.37	13	11.2	nw.	38	w.	15	5	6	17	7.1	19.4	5.0	0
Escanaba	612	51	72	994.6	1,018.6	+.6	18.4	+3.0	37	25	28	−11	17	9	31	1,301	14	84	2.37	+.9	.68	12	9.8	s.	32	nw.	15	8	4	16	6.4	21.4	23.0	0
Grand Rapids [2]	707	70	244	992.2	1,019.0	+1.4	27.9	+4.2	49	25	34	7	3	22	27	1,039	21	86	1.54	−.7	.84	11	10.8	w.	37	sw.	22	3	7	18	7.4	8.6	T	0
Lansing [2]	878	5	90	985.8	1,019.3	-----	25.4	+2.5	46	25	32	0	3	18	25	1,109	20	82	1.34	−.6	.60	11	8.9	w.	26	sw.	22	4	5	19	7.4	8.7	T	0
Marquette	734	44	73	989.5	1,018.0	+.4	20.7	+4.4	46	28	28	−9	17	13	31	1,242	14	79	2.19	+.3	.74	12	7.9	w.	26	nw.	15	7	5	16	6.8	21.0	18.0	1
Sault Sainte Marie [1]	614	11	52	993.9	1,018.0	+1.1	16.8	+5.4	35	28	26	−4	3	8	30	1,351	14	88	1.85	+.4	.48	201	2.2	w.	42	w.	15	4	4	20	7.7	21.7	26.7	0
Chicago [1]	673	5	36	994.2	1,019.6	+1.0	28.8	+3.9	53	25	35	−4	1	22	25	1,014	22	81	1.18	−.9	.68	10	9.8	nw.	28	w.	15	5	4	19	7.5	4.3	.0	0
Green Bay	617	90	123	995.3	1,019.3	+1.3	19.0	+1.6	40	25	28	−10	17	10	29	1,292	12	73	2.23	+.7	.78	10	9.7	s.	29	w.	15	8	7	13	6.1	21.7	1.4	0
Milwaukee [1]	681	33	66	993.2	1,019.3	+1.3	24.7	+3.5	47	25	32	−4	17	18	24	1,126	18	79	1.40	−.4	.73	9	12.4	nw.	37	w.	15	5	8	15	7.0	6.7	T	0
Duluth [2]	1,133	5	47	974.9	1,018.3	−.3	14.6	+3.2	42	24	24	−19	17	6	33	1,407	10	88	1.19	+.1	.35	10	12.5	w.	44	nw.	25	11	6	11	5.3	12.1	10.3	0
North Dakota							15.2	+7.8										80	0.46	0.0											5.6			
Fargo [1]	940	5	43	982.7	1,019.3	−.3	13.6	+5.5	38	8	24	−19	17	3	39	1,440	11	88	.87	+.2	.29	13	12.0	s.	34	nw.	9	6	10	12	6.1	8.4	7.0	0
Bismarck [1]	1,677	5	43	955.6	1,019.0	−1.0	16.7	+8.2	46	8	27	−17	7	6	38	1,352	12	82	.21	−.2	.15	3	10.7	nw.	31	nw.	9	10	6	12	5.5	4.2	1.0	0
Devils Lake	1,478	11	44	962.4	1,019.0	−.6	12.2	+7.1	42	8	22	−17	17	3	32	1,478	7	78	.35	−.2	.29	4	9.4	nw.	33	nw.	9	9	8	11	6.1	5.0	1.2	0
Grand Forks [1]	832	4	41	986.5	1,019.0	-----	12.1	------	41	8	23	−18	17	1	35	1,473	9	----	.71	------	.42	6	----	nw.	----	------	--	6	10	12	----	6.5	1.0	0
Williston	1,878	42	50	947.9	1,017.6	−2.0	18.4	+10.3	47	8	29	−15	18	8	40	1,308	12	74	.41	.0	.33	4	8.0	w.	31	nw.	9	7	10	11	5.7	3.7	.7	0
Upper Mississippi							27.1	+2.7										81	2.01	+0.3											7.2			
Minneapolis-St. Paul [1]	919	43	74	983.7	1,019.0	.0	17.7	+1.8	46	24	28	−11	18	8	35	1,326	14	86	1.84	+.9	.51	10	10.2	w.	33	nw.	15	8	7	13	6.1	15.4	3.5	0
La Crosse [1]	714	5	29	991.9	1,019.3	+.7	18.0	+1.0	45	24	29	−18	1	7	38	1,317	14	86	2.30	+1.2	.54	12	8.3	se.	34	w.	10	5	10	13	6.7	15.0	5.4	0
Madison [2]	974	70	78	982.4	1,020.0	+1.7	22.3	+3.2	47	14	29	−5	17	16	25	1,197	16	79	1.30	−.2	.56	9	7.9	nw.	26	nw.	15	7	8	13	6.6	9.4	4.7	0
Charles City	1,015	10	51	981.7	1,020.3	+1.0	20.0	+2.9	44	14	29	−15	1	11	34	1,260	----	----	1.91	+.8	.80	13	6.4	nw.	19	nw.	15	8	5	15	6.7	20.8	6.8	0
Moline [1]	606	6	50	997.0	1,021.0	+1.7	27.7	+4.2	52	24	35	−5	1	21	31	1,044	22	80	.90	−.7	.46	9	9.8	w.	32	nw.	15	4	5	19	7.6	4.3	T	0
Des Moines [2]	860	5	99	987.5	1,020.0	+.4	27.4	+3.7	55	14	35	−2	1	20	28	1,052	22	80	1.41	+.3	.84	9	9.0	se.	32	n.	15	6	5	17	7.1	11.5	.5	0
Dubuque	699	60	79	993.6	1,020.3	+1.3	25.0	+2.8	47	9	32	−4	1	18	29	1,124	20	80	1.47	+.1	.54	9	5.6	nw.	20	nw.	15	5	8	15	6.9	9.8	.3	0
Burlington [1]	702	4	36	993.6	1,020.0	+.4	27.8	+1.4	53	24	35	−9	1	20	28	1,040	22	80	.95	−.8	.57	6	10.4	nw.	36	nw.	15	2	7	19	7.9	3.0	.0	0
Cairo	357	5	99	1,006.8	1,020.0	.0	40.0	+1.5	72	15	48	11	1	32	33	701	----	----	5.92	+2.8	1.79	13	9.2	ne.	30	sw.	15	4	3	21	7.9	.1	T	2
Peoria [1]	609	6	26	997.3	1,020.3	+1.0	29.6	+4.7	56	15	36	−3	1	23	28	991	24	83	1.24	−.8	.79	7	9.7	nw.	28	w.	22	1	6	21	8.2	3.0	.4	0
Springfield, Ill. [2]	636	5	191	996.3	1,020.3	+1.0	33.3	+3.8	66	15	40	2	1	27	30	884	26	84	1.32	−1.0	.72	10	11.6	s.	32	e.	21	3	8	17	7.8	3.7	1.5	0
St. Louis [2]	568	35	303	999.0	1,020.0	+.4	36.2	+1.4	74	15	44	8	1	29	34	807	26	75	3.57	+1.0	1.29	11	11.5	nw.	33	sw.	15	3	8	17	7.3	8.4	T	1
Missouri Valley							30.6	+4.1										79	1.64	+0.4											7.1			
Columbia, Mo. [2]	784	6	66	990.5	1,020.0	+.4	34.1	+1.7	66	14	42	6	18	26	34	863	25	74	2.50	+.5	1.07	8	8.1	se.	21	nw.	15	6	7	15	6.9	13.3	.0	1
Kansas City [1]	963	39	76	983.4	1,019.3	−.3	35.0	+3.8	67	14	43	14	26	27	33	840	26	73	.85	−.6	.53	9	10.7	nw.	30	nw.	15	5	4	19	7.7	3.6	T	0
St. Joseph [2]	967	11	49	983.4	1,020.0	-----	33.5	+3.9	65	14	41	13	1	26	34	880	26	76	1.47	−.2	.96	10	9.0	nw.	26	nw.	15	10	5	13	6.0	5.2	.0	0
Springfield, Mo. [1]	1,324	5	67	970.2	1,019.0	−.6	35.6	+1.6	71	9	44	16	1	27	34	825	29	81	4.28	+1.9	2.01	12	12.4	se.	31	w.	22	4	6	18	7.5	1.8	.6	0
Topeka	987	65	87	982.4	1,019.0	-----	34.8	+3.8	67	14	43	14	26	27	33	843	26	74	1.27	−.2	.82	7	9.1	s.	30	nw.	15	4	5	19	7.7	6.7	T	0
Lincoln [2]	1,189	11	81	975.3	1,020.0	+.7	31.3	+5.2	66	14	39	11	26	23	34	944	24	84	2.02	+1.1	1.23	11	9.0	s.	33	nw.	15	3	6	19	7.7	15.0	T	0
Omaha [1]	1,105	5	68	978.3	1,019.6	.0	28.8	+4.5	60	14	38	4	27	20	32	1,016	24	84	1.26	+.4	.73	8	11.3	se.	34	nw.	15	2	8	18	7.9	16.2	3.8	3
Valentine	2,598	46	54	923.5	1,018.6	−.4	26.0	+4.6	56	14	37	−8	17	15	34	1,090	20	76	.60	.0	.23	8	8.8	w.	26	n.	21	5	6	17	6.8	8.4	T	0
Sioux City [1]	1,138	5	40	976.6	1,019.6	−.4	25.2	+4.8	56	14	35	−5	5	15	40	1,114	20	82	1.43	+.6	.86	8	10.1	nw.	31	n.	25	6	7	15	6.8	8.6	.5	0
Huron [1]	1,301	5	41	970.2	1,019.3	−.7	21.8	+7.5	48	24	32	−6	18	12	34	1,209	18	85	.69	+.2	.28	10	12.4	nw.	33	n.	15	8	11	9	5.8	4.6	T	0

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	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	Total degree days	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	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.	In.		Mi.							0-	10	In.	In.	1
Northern Slope							26.6	+3.9										75	0.56	−0.0											6.9			
Billings [1]	3,570	16	40	889.9	1,017.3	-----	26.7	+2.5	53	8	36	−4	16	17	29	1,072	20	76	.32	-----	.14	5	11.6	sw.	42	nw.	11	5	6	17	7.1	6.7	T	0
Havre	2,507	11	67	926.5	1,019.3	+1.0	19.4	+5.8	49	7	31	−17	17	8	54	1,275	14	78	.45	.0	.19	11	8.4	sw.	37	sw.	11	5	9	14	6.4	7.2	T	0
Helena [1]	4,124	5	43	872.0	1,018.6	−1.0	26.7	+5.1	54	7	37	−7	16	16	37	1,074	20	72	.07	−.3	.03	4	8.1	w.	48	w.	11	2	10	16	7.2	1.3	.0	0
Missoula [1]	3,205	4	32	901.5	1,018.6	-----	31.6	+7.8	48	8	40	15	25	24	25	934	26	82	.34	-----	.10	13	5.7	n.	36	nw.	11	1	6	21	8.0	4.6	T	0
Kalispell	2,973	48	56	911.3	1,016.9	−1.7	30.0	+6.7	49	8	37	6	16	23	28	981	21	68	.67	−.4	.24	12	5.5	w.	28	sw.	11	4	4	20	7.5	3.0	.0	0
Miles City [1]	2,371	5	78	931.3	1,018.3	−.7	24.0	-----	48	11	35	−10	16	13	41	1,150	17	78	.08	-----	.03	4	----	w.	---	-----	--	9	7	12	5.9	1.2	T	0
Rapid City [1]	3,259	5	63	900.4	1,018.6	.0	24.6	+2.8	53	8	34	−5	17	15	35	1,132	19	80	.45	.0	.22	8	12.5	nw.	45	nw.	22	4	12	12	6.2	7.0	.4	0
Cheyenne [1]	6,094	5	40	809.3	1,016.6	−.3	27.7	+.4	55	8	38	−9	25	17	41	1,042	19	68	1.03	+.4	.48	11	12.6	w.	38	nw.	8	4	6	18	7.2	10.1	1.8	0
Lander	5,352	60	68	832.4	1,017.6	−1.0	24.0	+1.5	55	8	36	−7	26	12	42	1,148	15	66	.53	−.1	.34	6	4.2	sw.	26	sw.	8	8	11	9	5.5	6.1	10.2	0
Sheridan [1]	3,790	5	38	882.8	1,018.6	-----	23.9	+1.3	57	8	37	−12	17	11	45	1,149	18	77	1.03	+.3	.57	13	7.1	nw.	41	nw.	22	3	13	12	6.8	12.6	4.0	0
North Platte [2]	2,821	11	51	916.0	1,017.6	−.7	31.6	+5.0	68	14	41	7	26	22	40	937	23	76	.29	−.2	.25	6	7.9	s.	30	n.	21	3	6	19	7.9	3.3	.0	1
Middle Slope							36.1	+1.7										74	1.37	+0.4											7.3			
Denver [2]	5,292	106	113	834.7	1,015.2	−1.1	34.7	+2.0	68	8	44	8	26	25	32	847	22	68	.34	−.2	.17	6	7.2	s.	28	w.	8	5	13	10	6.1	4.3	T	0
Pueblo [1]	4,690	5	36	854.4	1,015.9	.0	34.4	+2.3	72	14	47	5	26	22	46	856	22	66	.53	+.1	.19	6	7.8	nw.	43	w.	3	5	9	14	6.8	9.2	.0	0
Concordia	1,392	50	58	967.8	1,019.3	+.3	33.8	+4.0	67	14	42	13	17	26	35	876	26	78	1.10	+.2	.75	7	7.8	se.	32	n.	6	4	4	20	7.9	13.0	.0	0
Dodge City [1]	2,509	5	58	927.2	1,117.3	−.7	34.1	+.9	72	14	43	13	27	26	35	865	28	82	.97	+.2	.71	7	13.7	se.	40	n.	15	3	5	20	8.0	8.2	.2	0
Wichita [1]	1,358	6	64	968.5	1,018.3	−.3	35.2	+.8	64	14	43	15	26	27	32	830	28	76	.84	−.4	.52	9	14.1	se.	35	n.	6	3	5	20	7.6	4.3	.7	1
Oklahoma City [2]	1,214	10	47	973.6	1,018.0	−.3	41.0	+1.4	69	9	50	14	28	32	34	672	32	74	2.91	+1.8	.81	11	10.0	s.	25	n.	25	6	2	20	7.4	7.1	3.0	4
Tulsa [1]	674	10	60	993.2	1,018.0	-----	39.6	+.5	71	15	49	19	28	31	36	711	32	75	2.87	+1.4	1.07	9	11.4	se.	32	s.	6	4	6	18	7.4	4.5	2.0	3
Southern Slope							48.6	+3.4										64	0.50	−0.2											6.2			
Abilene [1]	1,738	4	59	954.3	1,015.9	−1.7	48.8	+2.8	83	15	60	25	26	37	45	455	38	70	.89	−.1	.39	6	14.8	n.	38	nw.	21	5	7	16	7.1	.3	.0	3
Amarillo [1]	3,676	5	42	887.9	1,015.2	−1.4	40.6	+4.5	80	14	54	18	25	28	48	683	30	72	.28	−.4	.14	3	14.0	se.	40	sw.	3	5	7	16	7.0	1.3	.0	0
Del Rio	960	63	71	981.4	1,015.2	−.7	57.4	+1.4	85	14	67	36	27	48	38	229	46	68	.82	+.3	.62	9	10.0	se.	30	nw.	21	11	1	16	5.9	.0	.0	0
Roswell	3,566	75	85	891.3	1,013.5	−1.7	47.6	+5.1	81	14	64	19	22	31	52	487	26	48	T	−.6	T	0	8.5	s.	34	sw.	20	10	13	5	4.9	T	.0	0
Southern Plateau							49.8	+2.1										51	0.44	−0.4											4.8			
El Paso [1]	3,778	39	85	885.2	1,012.9	−1.3	51.5	+2.9	76	15	65	24	23	38	44	379	28	41	.17	−.2	.17	1	11.2	sw.	50	w.	21	13	12	3	3.7	T	.0	0
Albuquerque [1]	5,314	5	45	835.8	1,012.9	-----	43.0	+2.5	70	14	56	22	28	30	35	621	25	52	.32	.0	.23	5	9.5	se.	39	nw.	6	8	10	10	5.9	2.0	.0	2
Flagstaff	6,907	36	51	788.4	1,016.6	+.7	35.0	+4.2	63	8	47	11	22	23	41	838	22	62	.51	−1.6	.17	7	----	w.	---	-----	--	7	11	10	6.0	2.7	.0	0
Phoenix [2]	1,107	39	87	975.6	1,014.9	−.7	56.2	+1.1	80	14	69	34	26	43	36	243	36	57	.12	−.6	.04	4	6.4	e.	22	sw.	20	9	8	11	5.3	.0	.0	1
Tucson [1]	2,555	5	39	925.8	1,014.2	-----	53.6	+1.4	80	14	68	31	22	39	39	315	33	51	.47	−.5	.43	3	----	se.	---	-----	--	10	4	14	5.2	T	.0	1
Yuma	142	9	54	1,010.5	1,014.9	−1.0	59.2	+.6	83	12	72	36	27	46	39	164	33	43	1.05	+.6	1.04	2	6.9	w.	31	nw.	9	19		63	2.9	.0	.0	0
Middle Plateau							36.4	+3.1										67	1.23	+0.4											6.8			
Reno [1]	4,527	20	52	862.9	1,018.0	−.6	37.2	+1.5	65	11	50	14	26	24	40	778	27	67	1.88	+.7	1.18	7	8.7	nw.	59	s.	5	4	10	14	6.9	6.4	T	0
Tonopah	6,090	9	20	812.7	1,016.3	-----	34.9	+.4	61	13	43	16	21	26	26	841	24	69	.49	+.1	.17	7	----	w.	---	-----	--	5	12	11	----	7.5	2.5	0
Winnemucca	4,339	5	56	868.3	1,018.3	−.7	36.4	+2.9	57	11	45	15	26	28	32	801	27	68	2.75	+1.8	1.44	11	8.1	sw.	36	w.	8	4	10	14	7.0	.7	.0	1
Modena	5,473	10	46	832.4	1,014.9	−2.4	34.6	+3.6	63	13	45	10	26	24	35	849	---	---	.52	−.4	.19	4	9.5	sw.	32	nw.	14	6	15	7	5.7	6.7	.0	1
Salt Lake City [1]	4,227	32	58	867.3	1,017.6	−1.0	36.4	+4.3	60	8	44	15	26	28	27	801	28	70	1.19	.0	.40	10	8.6	s.	31	s.	2	5	5	18	7.2	2.2	.0	1
Grand Junction	4,602	60	68	858.5	1,014.6	−2.7	38.8	+5.9	63	14	48	16	26	29	32	734	24	59	.53	.0	.26	7	5.3	se.	27	sw.	18	2	8	18	7.4	.2	.0	0
Northern Plateau							36.9	+4.8										76	1.50	+0.1											7.6			
Baker [2]	3,471	36	54	896.4	1,019.3	−.7	34.0	+5.0	52	8	41	15	19	27	28	867	27	77	1.18	.0	.28	13	5.8	se.	23	sw.	5	4	5	19	7.4	6.7	.0	0
Boise [1]	2,739	5	49	921.4	1,019.0	−1.0	37.6	+4.0	52	3	45	20	21	30	24	766	30	75	2.17	+.7	.58	13	10.3	se.	34	nw.	20	5	7	16	7.1	.3	.0	0
Pocatello [1]	4,478	5	31	863.2	1,019.3	.0	33.2	+6.3	50	8	41	4	21	26	30	888	25	73	.95	−.2	.42	10	11.4	sw.	42	s.	2	4	4	20	7.8	5.5	.0	0
Spokane [1]	1,929	27	42	947.9	1,018.0	−1.0	35.1	+3.8	52	7	42	18	16	28	23	837	30	80	.95	−.8	.22	11	6.5	sw.	34	sw.	11	1	6	21	8.3	.9	.0	0
Walla Walla	991	57	65	982.7	1,019.0	−.6	41.8	+4.7	63	7	49	20	19	35	24	646	---	---	2.20	+.4	.48	15	6.2	sw.	24	w.	5	3	9	16	7.3	2.7	.0	0
Yakima	1,076	58	67	978.7	1,018.0	-----	39.6	+5.1	61	8	48	20	19	31	27	709	---	---	1.52	+.5	.51	14	4.9	nw.	25	w.	11	3	9	16	7.6	1.9	.0	0
North Pacific Coast							44.7	+2.5										79	5.80	+0.5											8.1			
North Head	211	5	55	1,010.8	1,018.3	+.3	44.6	+1.6	53	7	49	33	19	40	14	572	40	84	8.02	+.6	1.42	24	16.4	n.	63	s.	7	4	2	22	8.0	.0	.0	0
Seattle [2]	125	90	321	1,013.9	1,018.3	+.3	44.7	+1.9	58	7	49	32	19	40	17	568	38	79	5.66	+1.8	2.69	20	9.9	s.	37	sw.	19	4	4	20	8.1	T	.0	0
Tacoma	194	172	201	1,011.5	1,018.3	+.3	43.5	+2.9	58	7	49	29	19	38	21	604	---	---	5.71	+1.0	2.13	19	8.7	s.	34	sw.	11	2	6	20	8.2	.6	.0	0
Tatoosh Island	86	9	61	1,014.2	1,017.3	+1.4	44.6	+3.6	52	7	48	35	19	41	11	569	39	80	7.76	−1.7	2.59	17	17.2	e.	58	s.	6	4	5	19	7.5	.0	.0	0
Medford [1]	1,329	29	58	971.9	1,020.3	-----	43.3	+1.0	61	7	53	22	28	34	35	608	35	74	3.90	+1.9	.96	14	----	-----	---	-----	--	2	8	18	7.7	T	.0	0
Portland, Oreg. [2]	154	68	106	1,013.9	1,019.3	+.7	45.8	+3.7	60	7	51	32	19	41	24	534	38	80	5.25	−.1	1.22	20	6.9	nw.	22	sw.	7	1	1	26	9.0	T	.0	0
Roseburg	510	45	76	1,001.7	1,020.3	+1.0	46.1	+2.7	65	7	54	29	25	38	30	527	38	75	4.29	−.2	.97	18	3.8	s.	34	sw.	5	0	6	22	8.3	T	.0	0
Middle Pacific Coast							51.7	+2.0										72	4.80	+0.5											5.8			
Eureka	60	72	88	1,019.3	1,021.0	+1.4	48.6	+1.4	62	6	54	35	25	43	21	450	44	80	9.55	+3.1	4.20	16	9.3	n.	35	sw.	4	6	8	14	6.6	.0	.0	1
Red Bluff [1]	353	6	26	1,005.8	1,018.3	-----	51.6	+2.2	69	11	61	32	26	42	30	377	36	59	1.74	−2.2	.48	8	10.2	nw.	37	se.	2	9	5	14	6.0	.0	.0	2
Sacramento	66	92	115	1,016.3	1,018.6	−.4	52.2	+2.1	68	12	61	35	28	43	29	361	41	71	4.49	+1.5	2.74	8	9.0	s.	29	s.	1	9	9	10	5.2	.0	.0	1
San Francisco [2]	155	112	132	1,013.5	1,019.0	−.3	54.4	+2.2	66	9	60	44	19	49	16	302	44	76	3.43	−.4	2.29	9	8.4	w.	32	sw.	1	10	9	9	5.3	.0	.0	0
South Pacific							54.7	+1.1										69	2.52	+0.4											5.9			
Fresno [1]	327	5	34	1,006.8	1,019.0	−.4	50.8	+.5	67	13	61	32	24	40	29	396	43	76	2.31	+.9	1.03	6	4.7	se.	21	nw.	27	4	11	13	6.4	.0	.0	2
Los Angeles	338	223	250	1,005.8	1,017.6	−.4	56.6	+1.1	80	10	64	40	20	49	29	244	42	63	3.34	+.3	1.37	9	7.3	w.	34	nw.	9	8	11	9	5.5	.0	.0	3
San Diego [1]	87	20	55	1,014.9	1,017.6	−.4	56.8	+1.7	79	10	66	41	20	48	30	232	46	69	1.91	−.1	.73	8	6.3	w.	19	s.	2	6	12	10	5.9	.0	.0	1
West Indies																																		
San Juan, P. R.	82	10	54	1,014.2	1,018.0	-----	74.3	−.6	80	2	78	68	3	71	12	0	68	82	3.64	+.9	1.75	17	14.7	e.	30	e.	26	1	23	4	6.1	.0	.0	0
Panama Canal																																		
Balboa Heights	118	6	92	-------	[3]1,011.2	.0	81.4	+1.1	92	19	90	71	4	73	20	0	70	[3]74	.11	−.5	.11	1	9.8	nw.	24	nw.	25	16	12	0	3.1	.0	.0	0
Cristobal	27	47	97	-------	[3]1,012.2	.0	80.6	+.2	84	28	84	74	17	77	10	0	71	[3]74	.87	−.7	.28	10	16.5	ne.	26	ne.	24	10	17	1	4.2	.0	.0	0

See footnotes at end of tables.

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	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	Total degree days	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	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
Alaska	*Ft.*	*Ft.*	*Ft.*	*Mbs.*	*Mbs.*	*Mbs.*	°*F.*	°*F.*	°*F.*		°*F.*	°*F.*		°*F.*	°*F.*		°*F.*	%	*Ins*	*In.*	*In.*		*Mi.*								*0-10*	*In.*	*In.*	
Anchorage [1]	132	6	44	999.7	1,004.7	-----	21.5	+2.9	52	23	30	−29	13	13	31	1,218	18	78	1.13	+.5	.43	13	6.5	n.	37	se.	23	4	6	18	7.5	15.2	8.4	0
Fairbanks [1]	455	5	63	990.9	1,008.8	-----	5.6	+6.8	48	23	16	−44	13	−4	36	1,660	2	80	.27	−.2	.17	6	5.1	n.	34	sw.	23	6	5	17	7.0	4.0	7.8	0
Juneau [1]	80	6	32	1,008.8	1,011.9	-----	31.5	-----	45	22	36	0	14	27	21	937	26	79	3.17	-----	.61	19	9.9	se.	30	se.	20	1	3	24	8.6	6.7	.0	0
Nome	22	25	56	1,006.4	1,007.1	-----	10.0	+4.4	34	3	18	−30	11	2	37	1,537	7	83	2.11	+1.3	.72	14	11.4	ne.	44	s.	26	7	6	15	6.4	14.3	23.3	0
Barrow	29	5	27	1,018.3	1,019.0	-----	20.6	−4.1	4	28	−15	−43	10	−26	26	2,398	−20	----	.09	−.1	----	5	10.0	ne.	40	e.	27	12	7	9	4.9	1.6	13.4	0
Bethel	28	5	31	1,001.7	1,003.1	-----	16.2	+6.0	43	26	22	−26	12	10	38	1,366	14	85	.54	+.6	.75	18	14.3	ne.	40	-----	26	6	5	17	6.8	13.0	.2	0
Gambell	32	5	32	1,009.1	1,010.2	-----	−.7	−3.4	33	26	41	−24	12	−6	23	1,838	−2	88	1.35	+.2	.91	11	22.1	ne.	48	n.	6	5	9	14	7.0	13.5	26.9	0
Ketchikan	75	69	90	1,012.2	1,013.2	-----	37.6	+2.4	47	4	42	21	15	33	13	766	32	80	13.81	+2.7	2.81	22	7.3	se.	27	se.	7	0	2	26	9.4	3.4	.0	0
Kotzebue	20	5	31	1,009.8	1,010.5	-----	−.4	+3.6	35	27	7	−43	13	−8	42	1,829	−2	95	.28	.0	----	7	13.5	se.	50	se.	26	12	3	13	5.0	3.3	12.0	0
McGrath	341	5	31	994.6	1,007.8	-----	5.8	-----	42	27	16	−52	12	−5	39	1,656	4	86	1.41	−.3	.49	14	----	w.	---	-----	--	7	4	17	7.0	13.5	18.1	0
Northway	1,718	5	32	-----	1,011.5	----	−1.4	-----	35	24	8	−49	14	−11	33	1,860	−3	84	.39	-----	.23	8	4.4	se.	28	-----	1	15	6	17	7.2	6.1	14.2	0
Summit	2,407	5	30	-----	1,007.5	-----	18.6	-----	35	24	19	−35	13	3	29	1,522	8	80	1.00	-----	.27	14	----	-----	---	-----	--	7	2	19	7.2	19.6	56.2	0
Hawaii																																		
Honolulu (January)	38	86	100	1,016.3	1,016.9	-----	72.5	+1.6	80	6	78	63	3	67	14	0	----	----	.24	−3.5	.12	7	7.3	ne.	26	ne.	22	13	17	1	3.9	.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 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, FEBRUARY 1945

[Compiled by Mary O. Souder]

[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
	1945 Feb.						
Nebraska	3-5	-----	-----	-----	-----	Ice	Utility wires damaged; traffic suspended or considerably slowed down; some accidents reported; loss estimated to be several thousand dollars.
Clovis, N. Mex	6	-----	-----	-----	$900	Wind	Property damaged.
Meridian, Miss., south to York, Livingston, and Montgomery, Ala.	12	-----	-----	40	-----	Tornado	In Lauderdale County, Miss., 5 persons were killed and 40 injured; in Alabama, 35 deaths and 200 injuries. Property damage in both States reached hundred thousands of dollars. 30 to 40 houses were destroyed in Lauderdale, Miss. The Red Cross reported 1,500 persons homeless in Alabama. The Meridian Weather Bureau Office recorded wind of 40 miles per hour and rainfall as 3.04 inches. At the Airport, wind velocity was recorded at 80 miles per hour and rainfall as 2.90 inches.
Greenville, S. C	17	p. m	-----	-----	1,000	Wind	Many trees uprooted and a house demolished by falling trees.
Nebraska, east-central and extreme southeastern portions.	21	-----	-----	-----	-----	Heavy snow	Snowfall 8 to 17 inches deep caused some interruption of a day or more to bus schedules where roads were closed by the Highway Department. Damage not estimated. Area affected about 100 square miles.
Arkansas	26-27	-----	-----	-----	-----	Ice	The freezing rain covered trees, shrubbery, wires, and highways with a thick coating of ice. Many trees uprooted and communication and power lines broken. Telegraph and telephone service severely crippled for several days and bus service on some highways suspended.
Oklahoma	26-28	-----	-----	-----	-----	Sleet, snow, and freezing rain.	Estimated loss in southern Oklahoma of hundred thousand of dollars. In some south-central and southeastern sections the combined weight of heavy falls of sleet and snow caused the collapse of warehouses and other buildings, while the extremely heavy accumulation of freezing rain damaged many trees. Communication and power lines down.