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					
	Section average	Departure from the normal	Monthly extremes						Section average	Departure from the normal	Greatest monthly		Least monthly	
			Station	Highest	Date	Station	Lowest	Date			Station	Amount	Station	Amount
	° F.	° F.		° F.			° F.		In.	In.		In.		In.
Alabama	62.9	−0.6	Geneva	91	22	Valley Head	23	[1] 5	9.29	+4.66	Mobile Airport	15.59	Moulton	3.40
Arizona	54.8	−3.6	4 stations	94	[1] 3	Bright Angel R. S	11	21	.86	+.18	Sedona R. S	2.99	Mohawk	.00
Arkansas	60.1	−1.4	Okay	88	15	Lead Hill	19	5	6.65	+1.69	Mountain Valley	12.59	Gilbert	3.45
California	52.5	−3.0	Imperial	99	1	Ellery Lake	−9	21	2.02	+.27	West Branch	7.85	2 stations	.00
Colorado	39.6	−4.2	3 stations	77	[1] 4	2 stations	−13	2	3.47	+1.65	Graft	8.40	Del Norte	.28
Florida	71.5	+1.7	2 stations	97	[1] 20	Niceville	28	6	4.06	+1.14	Pensacola	12.05	Cedar Key	.30
Georgia	62.3	−1.0	Brooklet	91	11	Blairsville	19	6	6.86	+3.05	Eastman	16.48	Savannah Beach	2.87
Idaho	44.1	−1.1	Lewiston	85	4	Landmark	1	2	2.29	+.84	Pierce	4.90	Idaho Falls Airport	.49
Illinois	50.4	−1.9	Harrisburg	82	21	Danville	17	3	6.51	+2.94	Carlinville	10.97	Wheaton	2.67
Indiana	50.8	−1.0	Huntingburg	85	21	Marengo	14	5	6.20	+2.61	Farmersburg	8.82	Albion	3.43
Iowa	45.0	−3.8	Keosauqua	78	30	Onawa	14	5	4.55	+1.83	Riverton	8.62	Sibley	1.58
Kansas	49.4	−5.4	Parsons	85	21	Tribune	12	18	7.25	+4.61	Fort Riley	13.05	Richfield	3.20
Kentucky	55.6	−.5	4 stations	89	[1] 21	2 stations	17	[1] 4	4.73	+.74	Lockport	7.27	Monticello	3.26
Louisiana	66.7	−.3	Esler Field	91	26	Pine Grove	30	4	4.99	+.32	New Orleans	9.81	Lafayette	2.78
Maryland-Delaware	51.1	−1.1	3 stations	84	[1] 9	Mount Savage Summit, Md.	13	5	4.14	+.62	Dover, Del	6.21	Luke, Md	2.61
Michigan	39.5	−3.2	Wayne	80	30	2 stations	−6	3	2.13	−.23	Adrian	4.30	Channing	.91
Minnesota	40.0	−3.1	3 stations	72	[1] 27	do	−5	2	2.01	−.09	Milaca	4.11	Babbitt	.05
Mississippi	63.9	−.7	2 stations	89	15	Holly Springs	28	5	6.99	+2.11	Hickory	13.23	Fleet	3.64
Missouri	52.2	−3.1	Marble Hill	89	15	Albany	16	5	6.68	+2.66	Sedalia	12.77	Tecumseh	1.08
Montana	44.3	+1.0	Libby	81	28	West Yellowstone	4	2	.92	−.22	Kings Hill	4.65	Turner	.00
Nebraska	44.0	−5.3	2 stations	77	[1] 8	Sidney	3	18	4.76	+2.33	Wahoo	10.78	Ellsworth	.53
Nevada	45.7	−2.4	Las Vegas	88	4	Marlette Lake	4	21	1.09	+.28	Lamoille	5.77	3 stations	T
New England	40.4	−3.2	Norwalk, Conn	80	30	Lake Frontiere, Maine	−10	5	3.59	+.26	Hatchville, Mass	5.70	Caribou, Maine	.92
New Jersey	47.9	−1.7	Flemington	82	30	Layton	6	6	5.45	+1.80	Vineland	7.37	Cape May	3.16
New Mexico	48.8	−2.7	Obar	93	21	Truchas	1	4	.99	+.08	Lake Malaya	7.42	7 stations	.00
New York	40.9	−3.3	Bedford Hills	83	30	Newcomb	2	5	3.90	+.90	Babylon	6.48	Massena	2.08
North Carolina	58.0	+.1	3 stations	89	[1] 10	Mount Mitchell	1	5	4.47	+.56	Salisbury	7.21	Jefferson	2.01
North Dakota	40.8	−.7	New Hradec	77	29	Bottineau	−11	1	.80	−.64	Milnor	1.95	Pembina Airport	.06
Ohio	48.2	−1.6	3 stations	89	22	Paulding	10	4	4.25	+1.06	Van Wert	6.86	Canfield	2.80
Oklahoma	58.3	−2.1	Hollis	93	21	Kenton	21	18	4.02	+.55	Woodward	8.51	Waurika	1.35
Oregon	45.6	−1.7	McKenzie Bridge	86	2	3 stations	9	[1] 17	2.45	+.45	Tidewater	9.92	Harper	.19
Pennsylvania	45.5	−3.1	6 stations	81	30	Wellsboro	6	6	4.04	+.60	Kregar	6.52	Ansonia	2.24
South Carolina	62.0	−.3	2 stations	91	11	Caesars Head	18	5	4.74	+1.49	Yemassee	8.09	Myrtle Beach	2.43
South Dakota	42.4	−3.5	Ardmore	76	12	3 stations	12	[1] 11	1.96	−.12	Fairfax	5.73	Van Metre	.72
Tennessee	57.4	−1.3	2 stations	87	22	2 stations	20	5	5.37	+.97	Bolivar	10.91	Kingsport	2.70
Texas	65.5	−.6	Rio Grande	105	22	do	23	18	2.02	−.90	Longview	12.82	6 stations	.00
Utah	43.7	−3.5	St. George	81	3	Soldier Summit	3	15	2.88	+1.64	Lower Mill Creek	7.47	Hanksville	.27
Virginia	54.0	−.5	2 stations	89	10	Floyd	11	5	3.08	−.21	Saluda	5.72	Roanoke	1.44
Washington	48.6	+.2	Wahluke (near)	88	28	Stockdill Ranch	19	18	2.77	+.62	Highley Peak	11.44	Dallesport	.45
West Virginia	50.7	−1.0	2 stations	90	22	Pickens	11	5	4.43	+.89	Kumbrabow	9.20	Brandywine	1.79
Wisconsin	40.7	−3.0	2 stations	74	[1] 29	Prentice	1	4	2.41	−.09	Milwaukee	4.01	Deerskin Dam	1.09
Wyoming	39.8	−.6	Fort Laramie	76	5	Foxpark	−13	2	2.10	+.47	Middle Fork	6.31	Deaver	.28
Alaska [March]	14.9	+1.2	Tree Point	55	20	Shungnak	−59	29	1.94	+.14	Little Port Walter	33.29	Point Lay	.09
Hawaii	71.1	+1.5	Waiane, Oahu	89	[1] 14	Haleakala R. S., Maui	41	[1] 4	6.05	−2.22	Kukui, Maui	46.00	16 stations	.00
Puerto Rico	75.9	+1.0	Manati	97	5	Garzas	50	1	2.21	−1.79	Guajataca Dam	7.71	Santa Isabel	.19

[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							41.5	−1.8									71	3.81	+0.8										6.0			
Eastport	75	67	85	1,010.5	1,013.9	+0.4	38.2	−0.8	70	30	45	25	4	31	33	27	68	3.21	+0.4	8	9.8	w.	35	e.	12	11	10	9	5.3	2.1	0.0	0
Greenville, Maine	1,070	6	41	974.3	1,014.9	------	33.0	−4.1	63	29	45	2	5	21	46	30	---	2.30	−.6	7	----	nw.	---	--------	---	8	12	10	----	9.8	T	0
Portland, Maine [1]	103	5	43	1,010.5	1,014.9	+.3	38.9	−4.1	73	30	49	19	4	29	37	32	78	3.90	+.5	11	9.4	w.	31	w.	14	15	3	12	4.7	1.0	.0	0
Concord [1]	289	4	45	1,004.1	1,015.2	−.4	39.8	−1.8	73	30	51	15	4	28	43	28	65	3.14	+.4	12	8.2	nw.	28	nw.	14	10	7	13	5.7	.3	.0	0
Burlington [1]	403	6	51	1,000.0	1,015.6	.0	38.7	−4.6	71	30	48	21	6	29	40	29	72	3.22	+1.1	13	8.6	nw.	28	s.	1	8	9	13	6.2	3.1	.0	0
Boston [1]	124	33	62	1,010.2	1,015.2	−.7	44.6	−1.8	75	30	52	29	6	38	27	30	64	3.52	+.2	10	11.6	nw.	36	ne.	28	8	7	15	6.1	T	.0	0
Nantucket	12	11	59	1,014.2	1,014.9	.0	44.0	+.6	67	30	50	30	5	38	26	36	80	4.23	+1.3	13	11.4	sw.	33	ne.	28	10	6	14	6.2	T	.0	1
Block Island	26	11	46	1,013.9	1,015.2	.0	43.3	−.7	64	30	49	30	5	38	23	36	82	5.05	+1.5	10	14.2	w.	35	ne.	28	10	9	11	5.7	T	.0	2
Providence [2]	159	46	60	1,009.1	1,015.9	+.7	46.1	−.5	77	30	55	28	4	38	33	31	64	3.82	+.6	8	8.6	nw.	27	nw.	13	7	7	16	6.5	T	.0	0
Hartford [1]	159	5	44	1,009.5	1,015.9	+.3	45.1	−1.6	75	30	55	23	4	35	39	34	70	4.55	+1.2	9	8.8	n.	32	nw.	13	8	6	16	6.6	T	.0	1
New Haven [1]	107	5	39	1,011.5	1,015.9	+.3	45.0	+.1	75	30	53	24	4	37	35	34	69	5.01	+1.8	12	7.6	ne.	24	se.	24	6	6	18	7.0	.2	.0	1
Middle Atlantic States							50.4	−0.8									68	3.87	+0.9										6.6			
Albany [1]	97	26	40	1,011.9	1,015.6	−.3	42.0	−2.4	72	30	51	21	4	33	35	30	68	3.27	+1.1	12	9.2	w.	32	nw.	13	9	4	17	6.5	T	.0	0
Binghamton [2]	871	60	79	983.4	1,016.3	−.3	43.0	−2.4	75	30	52	23	6	34	42	32	72	3.02	+.5	14	5.9	w.	22	nw.	13	6	8	16	6.9	1.8	.0	0
New York	314	415	454	1,003.4	1,015.2	−.7	48.2	−1.2	74	30	56	27	5	40	28	34	62	5.05	+1.8	13	14.8	nw.	52	nw.	24	7	8	15	6.6	4.8	.0	3
Harrisburg [1]	374	30	49	1,002.0	1,015.9	−.7	48.9	−2.0	80	30	58	27	5	40	37	37	69	3.94	+1.2	16	9.1	w.	30	nw.	12	4	5	21	7.6	.4	.0	0
Philadelphia [1]	114	6	56	1,011.5	1,016.3	.0	49.4	−1.2	77	30	59	27	5	40	34	37	70	4.69	+1.6	12	10.6	sw.	41	se.	11	5	7	18	7.2	T	.0	3
Reading	323	47	306	1,003.7	1,016.3	------	49.1	−1.6	78	30	58	26	5	40	34	----	---	6.05	+2.8	16	12.2	nw.	52	e.	11	6	5	19	7.3	4.8	.0	2
Scranton	805	72	104	986.1	1,016.3	.0	45.0	−3.1	76	30	54	25	3	36	38	----	---	3.27	+.5	15	6.6	n.	25	nw.	12	5	9	16	6.6	2.0	.0	0
Atlantic City	52	37	172	1,013.5	1,016.3	+.4	48.4	+.6	75	30	56	27	6	41	27	40	80	5.79	+2.8	15	16.0	s.	42	se.	15	6	8	16	6.8	T	.0	2
Trenton	190	89	107	1,008.8	1,016.3	------	48.9	−.9	76	30	58	28	6	40	28	36	67	4.94	+2.0	13	9.5	nw.	29	se.	11	4	8	18	7.2	2.0	.0	1
Baltimore [2]	123	100	215	1,011.2	1,016.3	.0	53.0	−.6	80	30	62	30	5	44	28	39	66	3.80	+.5	14	10.6	sw.	34	sw.	12	6	11	13	6.4	1.7	.0	3
Washington [2]	112	56	100	1,011.9	1,016.6	.0	53.8	+.5	84	9	63	30	5	44	36	38	63	3.08	−.2	13	8.1	nw.	32	nw.	12	4	13	13	6.8	.2	.0	2
Cape Henry	18	8	54	1,015.2	1,016.3	------	56.4	+1.8	83	10	65	35	6	48	31	44	71	2.43	−.9	10	12.7	sw.	43	n.	2	8	12	10	5.6	T	.0	4
Lynchburg	686	144	184	991.2	1,016.3	−.3	56.0	−1.3	84	21	67	29	5	45	42	39	64	2.90	.0	12	8.4	sw.	34	w.	12	9	11	10	5.6	T	.0	4
Norfolk [2]	91	80	125	1,013.2	1,016.9	+.6	57.8	+1.0	85	10	67	32	6	48	29	46	74	2.57	−.7	9	10.8	sw.	30	nw.	12	7	11	12	6.0	T	.0	4
Richmond	144	11	52	1,010.2	1,015.6	−1.0	56.7	+.1	84	10	68	30	6	46	36	41	64	3.32	−.2	9	9.6	sw.	30	se.	11	6	17	7	5.5	.0	.0	3
South Atlantic States							61.8	+0.1									73	4.60	+1.6										5.5			
Asheville	2,253	77	92	937.0	1,016.9	.0	54.4	+.5	81	21	66	20	5	43	42	40	67	2.73	−.3	14	9.9	nw.	25	se.	26	7	7	16	6.5	.6	.0	4
Charlotte [2]	779	63	86	988.5	1,016.9	.0	60.0	+.2	85	21	71	28	5	49	35	46	70	5.25	+1.9	16	8.2	sw.	34	sw.	16	10	6	14	5.7	T	.0	3
Greensboro [1]	886	6	56	984.4	1,016.6	------	56.4	------	84	10	68	26	5	44	40	44	68	4.84	-----	8	9.6	sw.	32	n.	11	9	6	15	5.8	T	.0	5
Hatteras	11	5	50	1,016.3	1,016.9	+.6	59.8	.0	77	24	66	37	6	53	23	53	82	3.56	.0	9	14.3	sw.	35	n.	13	10	12	8	5.1	.0	.0	3
Raleigh [1]	376	27	69	1,003.1	1,016.9	.0	59.2	+.9	86	10	71	30	6	47	37	46	70	5.46	+2.0	11	11.0	sw.	35	n.	11	11	8	11	5.6	.0	.0	6
Wilmington	72	73	107	1,014.6	1,017.3	+.4	62.2	+.2	82	12	71	33	6	53	26	52	77	3.84	+1.2	8	10.6	sw.	35	sw.	24	13	8	9	5.0	.0	.0	6
Charleston [2]	48	11	92	1,015.2	1,017.3	+.4	64.1	−.4	83	25	71	39	5	57	21	54	80	4.77	+2.2	9	10.3	s.	29	s.	18	8	10	12	5.5	.0	.0	6
Columbia, S. C. [2]	349	70	91	1,004.4	1,017.3	+.4	63.0	−.3	87	11	74	32	6	52	30	50	70	4.29	+1.4	11	8.7	s.	26	sw.	12	10	9	11	5.4	.0	.0	6
Greenville, S. C. [1]	1,040	18	36	979.0	1,016.6	------	59.0	+.4	82	21	70	29	5	48	32	46	68	5.65	+1.9	13	9.1	sw.	35	sw.	11	9	7	14	5.8	.0	.0	8
Augusta [2]	182	62	77	1,010.2	1,016.9	.0	63.2	−1.0	87	11	74	33	6	52	37	48	66	5.17	+2.0	14	6.1	s.	36	w.	11	12	7	11	5.1	.0	.0	9
Savannah [2]	65	73	152	1,015.2	1,017.6	+.7	66.4	+.4	87	16	74	40	5	58	23	54	76	3.27	+.7	11	11.0	s.	30	e	18	11	11	8	4.9	.0	.0	8
Jacksonville [2]	43	86	110	1,015.9	1,018.0	+.7	69.0	+.3	87	25	77	39	6	61	26	58	78	6.57	+4.2	13	8.4	se.	29	n.	22	8	9	13	5.9	.0	.0	8
Florida Peninsula							75.7	+2.2									77	1.33	−0.9										5.2			
Key West [2]	21	10	64	1,015.6	1,016.6	.0	78.4	+2.7	87	17	83	60	6	74	13	68	76	.75	−.5	6	10.8	e.	26	nw.	4	17	7	6	4.0	.0	.0	1
Miami [2]	25	242	249	1,015.9	1,016.9	.0	75.1	+1.2	86	12	79	47	6	71	25	66	76	2.42	−1.0	5	15.7	se.	33	ne.	30	9	14	7	5.4	.0	.0	1
Tampa [1]	35	6	43	1,015.9	1,017.3	−.7	73.6	+2.7	90	21	82	45	6	65	27	64	79	.81	−1.2	5	10.9	sw.	36	sw.	12	6	12	12	6.2	.0	.0	8
East Gulf States							64.2	−0.6									76	8.74	+4.5										5.9			
Atlanta [1]	1,173	33	72	974.6	1,016.3	−.6	60.2	−.9	82	21	71	31	5	50	35	46	68	6.62	+2.9	14	10.4	nw.	34	w.	16	9	11	10	5.6	.0	.0	9
Macon [2]	370	79	87	1,003.4	1,016.6	−.3	62.4	−1.5	84	16	73	32	6	52	33	50	72	5.72	+2.6	11	7.1	s.	27	sw.	11	10	8	12	5.5	.0	.0	10
Thomasville	273	49	58	1,007.8	1,018.0	+1.1	66.4	−.3	88	22	77	37	6	56	28	----	---	5.45	+2.1	12	----	--------	---	--------	---	8	7	15	----	.0	.0	9
Apalachicola	35	11	51	1,015.6	1,016.9	------	67.3	+.2	83	27	74	44	6	61	19	60	80	7.42	+4.6	9	9.0	e.	29	e.	29	8	7	15	6.2	.0	.0	4
Pensacola	56	54	79	1,014.6	1,016.9	+.3	66.5	−.2	86	27	73	40	6	60	25	58	80	12.05	+8.0	12	9.1	se.	26	se.	30	10	7	13	5.9	.0	.0	11
Anniston	741	9	----	--------	--------	------	61.0	−.2	83	15	72	28	6	50	36	----	---	9.70	+4.3	14	----	se.	---	--------	---	12	9	9	----	.0	.0	11
Birmingham [1]	700	5	62	991.2	1,016.6	.0	60.6	−1.1	84	15	71	30	5	50	35	48	72	7.82	+3.0	12	9.9	s.	33	s.	11	10	5	15	6.0	.0	.0	10
Mobile [2]	57	86	161	1,014.2	1,016.6	.0	66.0	−.3	85	27	74	39	4	58	27	57	82	14.80	+10.2	13	7.1	s.	33	e.	19	8	8	14	6.0	.0	.0	12
Montgomery [2]	218	92	105	1,008.8	1,016.9	.0	63.8	−1.5	85	15	73	39	6	55	29	54	80	8.80	+4.5	13	7.5	e.	26	sw.	11	11	8	11	5.2	.0	.0	8
Meridian [2]	375	67	92	1,002.4	1,015.9	−.7	62.8	−1.2	85	22	73	32	6	53	36	52	74	11.55	+6.8	11	7.8	s.	22	n.	15	9	8	13	6.0	.0	.0	8
Vicksburg [2]	247	82	102	1,005.8	1,014.6	−1.3	64.3	−1.3	85	22	73	40	4	55	30	54	78	5.14	.0	14	10.3	se.	32	sw.	23	10	6	14	5.9	.0	.0	8
New Orleans [4]	53	50	84	1,013.2	1,015.2	−.7	68.6	+.8	86	27	75	48	4	62	22	60	77	9.81	+4.6	9	7.9	se.	20	nw.	2	10	5	15	6.3	.0	.0	7
West Gulf States							67.1	+0.2									72	2.91	−0.9										5.8			
Shreveport [1]	249	5	64	1,004.4	1,013.2	−1.7	65.2	+.4	85	26	75	39	4	55	33	54	73	5.52	+.9	10	12.0	se.	47	se.	29	8	13	9	5.8	.0	.0	10
Fort Smith	463	57	82	996.3	1,012.5	−2.1	61.2	−.6	85	21	71	37	5	51	31	46	64	4.78	+.8	13	10.5	e.	35	se.	30	8	9	13	6.1	.0	.0	9
Little Rock [1]	357	5	58	1,001.0	1,013.9	−1.3	61.0	−1.1	82	10	70	36	5	52	33	50	73	4.71	−.5	11	11.1	s.	38	sw.	22	6	11	13	6.3	.0	.0	12
Austin [1]	605	10	41	990.5	1,011.9	------	67.6	−.2	89	26	79	41	4	56	36	52	64	.33	−4.0	3	11.4	s.	35	s.	8	10	7	13	5.4	.0	.0	4
Brownsville [1]	57	5	54	1,008.5	1,010.2	------	74.4	+.7	90	22	83	47	4	66	29	66	82	1.59	−.1	2	12.8	se.	45	n.	2	3	6	21	7.3	.0	.0	1
Corpus Christi [1]	20	4	33	1,010.8	1,011.2	−3.0	71.6	+2.6	94	26	80	45	4	63	30	63	80	.95	-----	1	13.8	se.	45	se.	9	7	10	13	6.0	.0	.0	1
Dallas [1]	512	5	45	993.6	1,011.9	------	64.8	−.3	84	21	76	37	3	54	37	51	67	4.69	+.4	6	14.8	s.	34	nw.	8	13	7	10	5.0	.0	.0	8
Fort Worth [1]	679	5	56	987.8	1,011.5	−2.4	64.6	+.5	86	17	76	40	3	54	36	48	61	2.70	−1.3	7	15.5	s.	37	sw.	22	12	8	10	4.9	.0	.0	7
Galveston [2]	54	106	114	1,010.8	1,012.9	−2.0	69.4	+.7	80	20	74	50	3	65	16	62	82	1.98	−1.1	7	12.6	se.	29	se.	30	10	8	12	5.3	.0	.0	3
Houston [2]	138	157	190	1,007.8	1,012.9	------	70.2	+.9	91	26	78	48	3	62	27	60	78	.58	−3.0	10	12.5	se.	32	se.	30	8	7	15	6.1	.0	.0	3
Palestine	510	64	72	994.9	1,013.2	−1.4	65.7	−.3	86	15	75	42	3	56	30	52	67	4.33	−.1	5	9.6	se.	24	s.	10	10	9	11	5.5	.0	.0	5
Port Arthur	34	59	134	1,011.9	1,013.2	------	69.2	+.7	84	20	76	44	4	62	22	60	82	2.75	−.2	12	16.5	s.	43	se.	29	9	7	14	5.9	.0	.0	6
San Antonio [1]	693	6	51	987.1	1,011.2	−2.3	68.0	−1.1	91	15	80	38	4	56	39	53	64	.94	−2.2	7	10.6	s.	30	ne.	2	10	5	15	6.0	.0	.0	6

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							53.5	−0.5									70	4.88	+1.2										6.6			
Chattanooga [1]	762	6	66	988.8	1,016.6	−.3	57.8	+.2	82	15	70	27	6	46	38	47	74	5.54	+.7	12	9.3	s.	43	w.	15	7	10	13	5.9	.0	.0	7
Knoxville [1]	995	27	53	980.4	1,016.6	−1.4	57.3	.0	84	21	69	28	5	46	36	44	66	3.78	−.4	11	10.0	sw.	62	sw.	11	8	11	11	5.8	T	.0	5
Memphis [4]	399	5	86	1,000.3	1,014.6	−1.3	60.1	−1.7	83	22	70	29	5	51	32	49	71	6.50	+1.7	10	9.4	s.	36	sw.	23	9	4	17	6.2	.0	.0	7
Nashville [1]	546	5	72	995.6	1,015.2	−1.1	57.8	−1.2	82	21	68	28	5	48	36	46	70	3.85	−.3	12	10.9	s.	34	sw.	15	9	8	13	5.9	.0	.0	9
Lexington	989	6	----	979.7	1,016.6	.0	53.8	−.5	85	22	65	20	5	42	34	----	----	4.21	+.7	16	----	s.	----	----	----	9	9	12	5.7	.2	.0	6
Louisville [2]	525	106	120	995.9	1,015.2	−1.1	56.2	−.2	81	22	65	25	5	48	26	44	70	6.47	+2.6	14	10.7	sw.	35	sw.	15	7	10	13	6.3	T	.0	7
Evansville [1]	431	12	40	999.0	1,014.9	−1.0	54.8	−.1	78	23	65	24	5	45	32	42	68	6.35	+2.4	13	10.5	s.	28	sw.	11	5	9	16	6.9	.0	.0	7
Indianapolis [1]	823	5	54	984.8	1,014.9	−1.0	49.8	−1.0	74	23	60	21	5	40	32	40	74	7.90	----	12	11.9	se.	34	sw.	23	4	10	16	7.1	T	.0	6
Terre Haute [2]	575	68	149	993.9	1,015.2	----	52.3	−1.4	76	11	61	24	5	43	31	41	72	6.77	+3.1	13	11.3	n.	33	se.	11	4	10	16	6.9	T	.0	6
Cincinnati [2]	627	11	51	992.9	1,015.6	−.7	53.6	+1.2	80	22	64	23	5	43	33	42	70	4.55	+1.4	17	8.9	sw.	26	sw.	15	5	8	17	6.8	T	.0	6
Columbus [2]	822	90	110	985.4	1,015.2	−1.4	50.8	−.4	76	30	60	23	5	42	33	38	70	3.79	+.9	18	10.2	n.	39	sw.	24	5	5	20	7.4	.1	.0	6
Dayton [1]	1,003	6	55	978.7	1,015.6	----	49.4	−1.1	74	30	59	21	5	40	30	40	75	4.31	+1.1	15	12.4	nw.	38	w.	25	4	5	21	7.5	.4	.0	7
Elkins [2]	1,947	61	78	946.2	1,016.6	−.3	48.4	−.4	81	22	59	20	5	38	42	38	72	5.41	+1.8	20	7.5	w.	29	w.	15	3	9	18	7.3	4.4	.0	5
Parkersburg	637	77	84	992.2	1,015.9	−1.0	52.6	−.8	84	23	64	24	5	42	42	40	66	3.53	+.3	18	7.6	se.	27	se.	11	6	10	14	6.1	.8	.0	6
Pittsburgh [1]	842	39	54	984.4	1,015.2	−1.4	48.4	−.8	76	30	58	19	5	39	32	36	66	3.24	+.3	19	11.1	nw.	35	s.	11	4	9	17	6.8	1.7	.0	4
Lower Lake Region							42.1	−2.8									73	4.29	+1.8										6.8			
Buffalo [1]	768	34	96	987.5	1,016.3	.0	41.1	−2.7	69	30	49	22	4	33	31	32	74	4.62	+2.1	15	12.7	sw.	34	sw.	6	4	10	16	7.0	2.7	.0	2
Canton	448	10	61	999.0	1,015.6	----	38.9	−3.0	69	29	48	20	3	29	36	27	66	2.95	+.8	11	8.9	w.	28	w.	6	7	9	14	6.4	5.3	.0	0
Oswego	335	71	85	1,003.4	1,016.3	.0	39.6	−4.0	63	30	45	23	4	34	30	30	70	3.63	+1.3	12	9.8	w.	30	se.	23	8	9	13	5.8	1.0	.0	0
Rochester [1]	523	5	69	996.6	1,016.3	.0	40.2	−3.3	72	30	48	21	4	32	35	30	72	4.90	+2.6	14	11.1	w.	37	w.	6	5	9	16	7.1	3.2	.0	1
Syracuse [1]	596	5	57	993.9	1,016.3	.0	41.2	−1.8	71	30	50	24	5	32	34	32	74	3.65	+1.2	14	10.5	sw.	32	w.	13	5	10	15	6.8	1.5	.0	0
Erie [3]	714	57	81	989.5	1,016.3	−.3	42.6	−2.5	71	30	49	24	5	36	25	34	80	5.04	+2.3	19	8.0	ne.	31	se.	23	4	6	20	7.4	1.9	.0	4
Cleveland [1]	762	27	54	987.5	1,015.9	−.7	44.9	−1.3	77	30	54	22	5	36	33	34	73	3.86	+1.4	14	10.7	n.	32	sw.	24	5	7	18	7.0	2.3	.0	4
Sandusky	629	5	67	992.6	1,015.9	−.7	44.4	−2.8	79	30	52	24	5	37	36	----	----	3.95	+1.4	14	9.4	e.	26	e.	11	6	8	16	6.6	.4	.0	2
Toledo [1]	628	5	47	992.6	1,016.3	.0	43.2	−3.0	78	30	53	16	4	34	40	34	76	4.80	+2.2	14	12.7	ne.	38	ne.	11	9	8	13	6.1	T	.0	3
Fort Wayne [1]	857	5	53	983.7	1,015.6	----	44.6	−4.1	72	30	54	19	3	35	32	36	74	7.19	+4.1	13	9.1	e.	28	w.	1	4	6	20	7.4	.4	.0	4
Detroit [1]	730	5	78	989.5	1,016.9	+.3	42.9	−2.7	76	30	51	21	4	35	36	32	72	2.62	+.2	14	9.8	e.	30	w.	1	6	6	18	6.9	.9	.0	1
Upper Lake Region							39.6	−1.7									70	2.28	−0.1										5.9			
Alpena	609	5	89	994.6	1,018.0	+1.4	36.8	−1.8	57	19	44	16	4	30	26	28	70	2.31	+.1	9	10.9	nw.	32	e.	23	11	6	13	5.7	4.9	.0	1
Escanaba	612	51	72	994.9	1,018.6	+2.0	37.4	−.5	58	6	45	16	4	30	31	28	72	1.81	−.4	4	10.9	n.	36	e.	23	12	4	14	5.6	.4	.0	1
Grand Rapids [2]	707	70	244	989.8	1,016.6	.0	44.2	−2.8	74	30	53	22	4	36	31	32	71	2.73	.0	13	11.7	e.	47	e.	11	8	6	16	6.6	1.3	.0	2
Lansing [2]	878	5	90	983.7	1,016.6	----	41.8	−3.8	76	30	50	20	3	33	36	32	74	2.45	−.1	16	9.0	ne.	26	ne.	11	8	4	18	6.7	1.4	.0	1
Ludington	637	60	66	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Marquette	734	44	73	990.9	1,018.6	+2.0	36.8	−1.0	69	29	44	16	2	30	32	26	66	2.46	.0	8	7.4	n.	21	w.	28	9	9	12	5.7	7.7	.0	0
Sault Ste. Marie [1]	614	11	52	995.3	1,018.6	+1.7	35.6	−.9	72	30	45	11	2	26	36	24	70	1.35	−.8	8	10.8	nw.	33	c.	24	13	7	10	4.7	1.8	.0	0
Chicago [1]	673	5	36	990.2	1,015.2	−.7	45.3	−1.6	74	23	53	22	4	37	30	34	72	3.33	+.8	14	10.7	ne.	29	e.	11	6	8	16	7.0	T	.0	4
Green Bay	617	109	141	993.9	1,016.9	+.6	40.6	−2.6	70	30	49	17	4	32	33	28	68	1.81	−.8	8	11.1	n.	38	ne.	15	8	8	14	6.4	3.4	.0	1
Milwaukee [1]	681	33	66	990.5	1,015.9	+.3	40.4	−1.8	64	30	48	20	4	33	31	31	72	3.74	+1.1	11	13.4	ne.	41	e.	11	8	7	15	6.6	T	.0	2
Duluth [2]	1,133	5	47	976.6	1,019.0	+2.7	37.0	.0	63	19	45	11	1	29	27	24	70	.78	−1.3	5	13.5	ne.	54	ne.	23	15	6	9	4.4	T	.0	0
North Dakota							41.6	+0.8									67	0.84	−0.8										6.0			
Fargo [1]	940	5	43	983.7	1,018.6	+3.0	41.0	+.4	67	27	52	5	1	30	38	30	70	1.17	−1.0	8	11.3	n.	32	ne.	23	10	7	13	5.7	T	.0	0
Bismarck [1]	1,677	5	43	956.3	1,017.3	+2.4	42.1	+1.7	64	30	53	19	1	31	34	31	70	1.05	−.5	6	11.1	se.	32	se.	28	8	9	13	6.1	.1	.0	0
Devils Lake	1,478	11	44	964.4	1,019.3	+3.7	40.4	+1.7	69	27	52	−2	1	28	37	28	64	.72	−.8	5	8.2	ne.	27	ne.	14	12	4	14	5.6	.7	.0	0
Lemmon, S. Dak	2,602	4	38	922.8	1,016.6	----	40.8	−1.5	65	30	51	20	3	30	35	31	72	1.19	----	7	----	se.	----	----	----	9	3	18	----	----	----	0
Grand Forks [1]	832	4	41	988.2	1,019.3	----	40.4	----	71	27	52	2	1	28	37	28	----	.62	----	4	----	s.	----	----	----	12	4	14	----	T	.0	0
Williston	1,878	42	50	948.2	1,016.3	+1.7	43.5	+1.5	67	20	54	22	17	33	33	29	60	.42	−.8	4	7.4	se.	24	se.	12	4	11	15	6.8	T	.0	0
Upper Mississippi Valley							47.2	−2.8									74	5.19	+2.1										6.8			
Minneapolis-St. Paul [1]	919	43	74	982.7	1,016.6	+1.0	43.0	−3.4	70	29	52	16	2	34	31	31	68	2.24	.0	10	11.9	ne.	34	ne.	15	10	5	15	6.2	.3	.0	1
Springfield, Minn	1,025	4	42	978.7	1,016.6	----	42.0	----	69	29	51	22	2	33	32	33	74	2.72	----	8	----	ne.	----	----	----	8	6	16	----	T	.0	1
La Crosse [1]	714	5	29	989.8	1,016.3	+1.1	42.8	−2.8	69	29	52	20	2	33	34	32	73	3.01	−.6	8	8.8	e.	26	nw.	1	7	9	14	6.3	.4	.0	2
Madison [2]	974	70	78	980.0	1,016.3	+.7	42.6	−2.8	66	29	50	21	4	35	28	32	72	2.64	−.1	12	9.6	ne.	30	ne.	15	6	10	14	6.6	.1	.0	3
Charles City	1,015	10	51	979.0	1,016.3	+1.1	44.0	−2.4	71	23	53	23	2	35	33	----	----	2.20	−.3	10	7.1	ne.	23	se.	23	8	7	15	6.4	.2	.0	2
Davenport [1]	606	6	50	992.9	1,015.2	.0	46.4	−2.4	75	23	55	24	3	37	37	37	74	5.55	+2.9	17	12.0	e.	46	e.	11	6	6	18	7.0	T	.0	4
Des Moines [2]	860	5	99	982.7	1,014.2	−.7	46.0	−4.1	73	30	54	24	2	38	35	36	74	4.23	+1.3	18	10.4	n.	34	e.	23	6	5	19	7.3	T	.0	3
Dubuque	699	81	96	989.8	1,015.6	+.4	45.2	−3.4	73	23	54	23	2	36	32	35	72	3.62	+.8	13	6.9	e.	26	e.	11	5	8	17	7.1	.6	.0	2
Burlington [1]	702	4	36	989.2	1,014.9	−.3	46.8	−4.6	74	30	56	24	3	38	37	38	77	6.68	+3.5	16	12.3	ne.	40	ne.	10	4	7	19	7.7	T	.0	5
Cairo	357	5	99	1,001.7	1,014.6	−1.0	57.9	−1.2	78	23	66	30	5	50	26	----	----	6.50	+2.8	12	11.2	sw.	34	sw.	23	7	6	17	6.5	.0	.0	9
Peoria [1]	609	6	26	992.9	1,015.2	−.4	47.4	−2.5	73	23	56	22	4	38	32	39	77	8.32	+4.9	17	12.0	e.	46	e.	11	8	5	17	6.8	.0	.0	6
Springfield, Ill. [2]	636	5	191	991.2	1,014.6	−.6	50.8	−1.9	76	30	60	26	5	42	28	41	80	8.52	+5.0	17	12.8	n.	36	s.	23	3	11	16	7.2	T	.0	8
St. Louis [3]	568	6	303	993.6	1,014.2	−1.0	53.8	−2.3	78	30	62	30	5	45	27	42	71	8.82	+5.0	14	13.2	nw.	44	sw.	23	4	11	15	6.7	.0	.0	7
Missouri Valley							47.3	−4.0									76	6.73	+3.8										7.2			
Columbia, Mo. [2]	784	6	66	985.1	1,013.5	−1.7	51.1	−3.7	82	30	60	26	3	42	31	41	74	9.53	+5.8	17	9.3	n.	27	nw.	21	7	10	13	6.3	T	.0	6
Kansas City [1]	963	38	76	----	1,012.9	−1.7	50.3	−4.5	78	30	59	26	5	42	----	41	74	10.57	+7.0	16	11.7	ne.	40	n.	22	5	8	17	----	T	.0	10
St. Joseph [2]	967	11	49	1,012.2	1,013.9	----	48.8	−4.7	77	30	57	25	5	40	32	40	78	10.88	+7.7	16	9.8	n.	29	w.	24	10	7	13	6.2	.2	.0	5
Springfield, Mo. [1]	1,324	5	60	965.5	1,012.9	−2.0	52.3	−2.9	79	21	62	24	5	42	33	43	74	3.84	.0	14	14.4	se.	47	sw.	14	3	11	16	7.3	T	.0	10
Topeka	987	65	87	977.3	1,013.2	----	50.2	−4.5	78	30	59	27	5	42	33	42	78	8.65	+5.9	16	10.1	n.	34	e.	10	6	8	16	6.9	T	.0	9
Lincoln [2]	1,189	11	81	970.9	1,014.6	+.7	45.6	−5.9	71	30	53	23	5	38	33	36	80	9.10	+6.6	16	9.9	n.	31	nw.	23	4	3	23	8.1	5.2	.0	5
Omaha [1]	1,105	5	68	974.3	1,014.6	+.4	46.2	−4.8	71	30	54	22	5	38	33	38	78	6.38	+3.9	18	12.7	n.	45	ne.	10	3	6	21	7.8	1.7	.0	3
Valentine	2,598	46	54	922.5	1,015.2	+1.3	41.8	−3.9	62	7	51	23	16	33	31	32	71	.98	−.9	9	9.7	n.	28	n.	23	5	7	18	7.3	1.3	.0	0
Sioux City [1]	1,138	5	40	973.6	1,015.2	+1.0	44.4	−2.8	71	29	54	22	5	35	34	36	78	3.77	+1.1	15	11.3	ne.	30	se.	29	3	6	21	7.9	T	.0	0
Huron [1]	1,301	5	41	968.8	1,016.9	+2.3	42.6	−2.5	67	8	52	21	16	33	34	35	79	3.61	+1.4	8	12.3	n.	34	n.	23	7	7	16	6.7	1.4	.0	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS—Continued

District and station	Elevation of instruments			Pressure			Temperature of the air									Mean temperature of the dew-point	Mean relative humidity	Precipitation			Wind					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
	Barometer above sea level	Thermometer above ground	Anemometer above ground	Station	Sea level	Departure from normal	Mean max. + mean min. ÷ 2	Departure from normal	Maximum	Date	Mean maximum	Minimum	Date	Mean minimum	Greatest daily range			Total	Departure from normal	Days with 0.01 inch or more	Average hourly velocity	Prevailing direction	Maximum velocity: Miles per hour	Maximum velocity: Direction	Maximum velocity: Date							
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	%	In.	In.		Mi.								0-10	In.	In.	
Northern Slope							44.5	+0.4									64	2.13	+0.6										7.1			
Billings [1]	3,570	16	40	887.9	1,011.5	-----	48.6	+2.6	75	4	60	28	17	37	38	30	54	.10	-----	4	10.7	ne.	38	nw.	6	4	8	18	7.1	T	.0	1
Havre	2,507	11	67	924.1	1,013.5	.0	48.3	+4.6	73	27	62	25	17	34	43	30	56	.46	−.5	4	8.3	e.	28	sw.	12	5	9	16	6.8	T	.0	1
Helena [1]	4,124	5	43	870.3	1,012.9	−2.0	44.3	+.8	73	4	58	24	19	31	44	31	64	.55	−.6	8	8.5	w.	35	nw.	29	3	6	21	7.7	T	.0	2
Missoula [2]	3,205	80	91	899.1	1,013.2	-----	47.2	+1.9	74	4	59	29	18	35	40	30	58	1.11	+.1	6	6.8	e.	29	ne.	23	4	7	19	7.5	T	.0	0
Kalispell	2,973	48	56	908.9	1,012.2	−2.4	45.3	+1.7	72	4	58	26	8	33	38	30	59	.97	+.2	7	6.2	w.	24	w.	30	2	11	17	7.2	T	.0	0
Miles City [1]	2,371	5	28	929.2	1,013.9	−.7	47.1	-----	70	12	60	24	2	34	37	33	64	1.53	-----	7	----	se.	---	------	---	4	9	17	7.0	T	.0	0
Rapid City [1]	3,259	5	63	900.1	1,014.9	+.7	42.5	−1.6	70	12	53	24	19	32	37	31	70	1.54	+.1	6	15.0	nw.	47	s.	28	5	10	15	6.7	T	.0	0
Cheyenne [1]	6,094	5	40	808.7	1,012.9	.0	37.8	−3.1	66	4	49	10	18	27	37	29	76	2.85	+.9	11	11.9	nw.	33	nw.	6	4	9	17	7.0	8.0	.0	1
Lander	5,352	60	68	831.0	1,011.9	−2.0	41.0	−1.4	65	4	51	24	11	30	39	28	64	5.24	+3.2	12	5.2	sw.	30	sw.	7	3	11	16	7.0	23.4	.0	1
Sheridan [1]	3,790	5	38	881.1	1,013.2	-----	45.3	+2.0	71	4	57	24	18	33	40	32	66	2.81	+.9	12	9.6	nw.	38	nw.	30	4	10	16	7.1	T	.0	0
North Platte [2]	2,821	11	51	914.0	1,013.5	+.3	44.4	−4.2	70	6	54	25	16	35	34	33	73	3.61	+1.6	12	10.1	n.	31	n.	23	5	7	18	7.4	4.2	.0	2
Middle Slope							49.9	−4.2									70	4.98	+2.4										6.7			
Denver [2]	5,292	106	113	833.7	1,011.9	−.6	43.2	−3.9	70	5	52	22	18	34	32	28	64	3.15	+1.1	12	8.7	s.	34	se.	28	6	10	14	6.4	19.5	.0	1
Pueblo [1]	4,690	5	36	852.7	1,011.2	−.7	44.0	−5.4	74	4	56	22	11	32	48	30	66	2.47	+1.2	11	9.8	nw.	38	w.	6	7	6	17	6.9	10.7	.0	2
Concordia	1,392	50	58	963.4	1,013.9	+.4	47.2	−6.3	74	30	55	24	5	39	31	38	76	5.26	+2.9	15	9.4	ne.	30	n.	23	4	7	19	7.5	7.5	.0	7
Dodge City [1]	2,509	5	58	923.8	1,011.9	−.6	48.0	−5.6	76	8	58	28	5	38	36	38	76	4.13	+2.2	12	19.2	se.	62	ne.	9	5	9	16	7.0	T	.0	12
Wichita [1]	1,358	6	64	963.4	1,011.9	−1.6	51.4	−5.0	77	21	61	29	5	42	33	41	72	12.42	+9.5	13	17.0	se.	56	ne.	22	5	8	17	7.1	T	.0	12
Oklahoma City [2]	1,214	10	47	968.2	1,011.2	−2.0	58.0	−1.8	83	9	68	35	3	47	36	44	65	4.87	+1.6	8	11.1	s.	34	sw.	8	8	7	15	5.9	.0	.0	7
Tulsa [1]	674	10	61	987.8	1,012.2	-----	57.2	−1.7	84	21	67	32	3	47	33	45	69	2.62	−1.6	7	13.6	se.	42	s.	6	6	13	11	6.3	.0	.0	9
Southern Slope							61.6	−0.4									50	0.88	−0.9										4.4			
Abilene [1]	1,738	4	41	949.5	1,009.5	−3.0	64.4	+1.4	95	21	78	32	3	50	36	43	54	.59	−2.1	4	15.6	s.	38	sw.	6	17	9	4	3.7	.0	.0	4
Amarillo [1]	3,676	5	42	884.9	1,009.8	−1.7	52.7	−1.1	80	8	67	26	18	38	44	33	58	1.83	.0	5	17.8	se.	46	se.	16	7	15	8	5.4	.0	.0	4
Del Rio	960	63	71	976.6	1,009.1	−3.1	71.6	+1.0	95	9	84	41	4	59	38	50	53	1.05	−.7	1	10.9	se.	29	w.	10	10	13	7	4.9	.0	.0	1
Roswell	3,566	75	85	888.3	1,008.5	−2.3	57.6	−3.0	82	6	73	30	23	42	50	25	35	.07	−.8	2	10.5	w.	36	nw.	22	17	10	3	3.7	.0	.0	0
Southern Plateau							58.4	−1.7									39	0.64	+0.1										4.2			
El Paso [1]	3,778	5	85	882.5	1,008.1	−2.1	61.6	−.7	84	27	76	35	4	48	43	24	26	T	−.3	0	14.9	w.	53	w.	9	17	11	2	3.2	.0	.0	0
Albuquerque [1]	5,314	5	48	833.4	1,008.1	-----	52.2	−1.8	78	5	66	29	3	39	38	26	42	.91	+.3	5	12.9	nw.	49	se.	27	8	10	12	5.7	3.0	.0	2
Flagstaff	6,907	36	51	786.3	1,012.2	+1.7	40.5	−2.8	65	3	53	20	22	28	43	22	54	1.84	+.5	9	----	w.	---	------	---	10	6	14	5.9	11.2	.0	3
Phoenix [2]	1,107	39	87	971.9	1,009.8	−1.7	64.8	−2.2	91	4	78	44	22	51	39	36	41	.50	+.1	3	7.7	e.	32	w.	16	14	6	10	4.4	.0	.0	0
Tucson [1]	2,555	6	30	923.1	1,010.2	-----	63.0	−1.4	88	4	78	36	9	48	40	29	33	.56	+.2	1	----	sw.	---	------	---	15	10	5	3.6	.0	0	1
Yuma	142	9	54	1,006.1	1,010.5	−1.7	68.0	−1.5	94	4	83	48	10	53	40	37	38	T	−.1	0	7.2	w.	30	w.	8	21	7	2	2.6	.0	.0	0
Independence	3,957	5	26	------	------	------	-----	-----	---	---	---	---	---	---	---	---	---	-----	-----	---	----	------	---	------	---	---	---	---	----	----	----	----
Middle Plateau							44.6	−3.2									57	1.57	+0.7										7.0			
Reno [1]	4,227	20	52	859.8	1,013.2	−1.7	43.8	−2.3	73	30	60	14	17	28	50	26	55	.20	−.3	5	9.2	nw.	34	s.	11	3	13	14	6.8	1.5	.0	1
Tonopah	6,090	9	20	810.4	1,011.5	-----	42.6	−5.1	64	2	54	20	21	32	32	25	55	.51	.0	5	----	nw.	---	------	---	10	13	7	----	T	.0	0
Winnemucca	4,339	5	56	864.9	1,012.5	−2.4	44.2	−2.5	74	2	57	19	17	32	45	28	57	1.21	+.4	9	8.2	sw.	26	sw.	11	1	10	19	8.0	T	.0	1
Modena	5,473	10	46	829.3	1,009.1	−2.8	42.9	−3.1	68	3	57	23	6	29	43	----	---	.95	+.1	8	9.9	w.	32	sw.	8	5	11	14	6.6	3.6	.0	3
Salt Lake City [1]	4,227	32	58	863.2	1,011.2	−2.0	46.2	−1.7	73	3	57	28	15	36	38	33	65	4.90	+3.2	14	9.3	se.	34	se.	8	4	11	15	6.8	6.4	.0	5
Grand Junction	4,602	60	68	855.1	1,009.5	−2.4	48.0	−4.4	72	4	59	27	15	37	36	28	52	1.67	+.8	11	7.0	se.	30	s.	28	5	7	18	6.9	T	.0	4
Northern Plateau							48.3	−0.6									63	1.75	+0.6										7.1			
Baker [2]	3,471	36	54	892.7	1,013.2	−2.7	44.4	−.8	69	3	56	21	17	33	37	30	63	.53	−.6	8	6.9	n.	23	sw.	6	5	7	18	6.8	2.6	.0	1
Boise [1]	2,739	5	49	916.4	1,011.9	−3.3	48.9	−.2	78	3	60	26	1	38	37	34	61	2.92	+1.7	12	12.7	nw.	36	nw.	20	4	11	15	7.2	T	.0	0
Pocatello [1]	4,478	5	31	858.5	1,011.9	−2.0	43.6	−1.3	70	4	54	25	2	33	43	31	66	1.56	+.1	15	10.8	sw.	29	sw.	14	2	9	19	7.7	8.9	.0	2
Spokane [1]	1,929	27	42	944.5	1,013.2	−2.4	47.9	−.5	78	28	60	28	16	36	40	34	62	1.40	+.3	7	7.3	ne.	29	sw.	30	3	7	20	7.8	T	.0	0
Walla Walla	991	57	65	978.0	1,013.5	−2.8	53.0	−.1	82	3	63	36	20	43	38	----	---	2.45	+.9	12	6.8	s.	21	sw.	13	7	11	12	6.0	.0	.0	0
Yakima	1,076	58	67	974.3	1,013.2	-----	51.8	−.7	80	28	63	33	16	40	36	----	---	1.62	+1.2	9	6.6	nw.	21	sw.	14	4	9	17	7.2	.0	.0	2
North Pacific Coast Region							50.2	+0.4									75	3.59	+0.5										8.0			
North Head	211	5	56	1,007.8	1,015.2	−2.4	48.6	+1.1	73	1	54	40	20	44	31	43	84	4.26	+.1	22	14.4	s.	45	s.	13	2	5	23	8.1	.0	.0	0
Seattle [2]	125	90	321	1,010.5	1,014.9	−2.0	51.8	+.7	79	2	60	40	16	44	34	40	70	2.01	−.4	14	9.8	s.	34	sw.	14	1	9	20	7.7	.0	.0	0
Tacoma	194	172	201	1,008.1	1,014.9	−2.0	50.6	+1.9	78	2	58	38	16	43	34	----	---	3.31	+.5	15	9.2	sw.	28	sw.	12	4	10	16	6.9	.0	.0	2
Tatoosh Island	86	9	61	1,011.5	1,014.2	−1.4	47.8	+1.7	62	27	52	39	16	43	17	41	79	6.56	+.9	23	13.4	s.	40	s.	10	1	3	26	8.4	.0	.0	0
Medford	1,329	29	58	968.5	1,015.9	-----	49.2	−2.9	81	2	60	30	25	38	42	37	68	1.97	+.6	14	----	nw.	---	------	---	1	6	23	8.3	T	.0	2
Portland, Oreg. [2]	154	68	106	1,010.5	1,015.6	−2.4	52.6	+.8	81	2	60	38	25	45	30	42	76	3.13	+.3	17	6.7	se.	20	w.	6	2	5	23	8.1	.0	.0	0
Roseburg	510	45	76	998.0	1,016.6	−1.7	50.7	−.3	83	2	60	34	25	41	42	40	73	3.89	+1.6	19	4.3	sw.	23	sw.	19	1	4	25	8.4	.0	.0	1
Middle Pacific Coast Region							53.5	−2.2									72	2.64	+0.4										6.4			
Eureka	60	72	88	1,016.9	1,018.6	−1.0	49.9	.0	63	26	55	40	21	45	16	44	82	4.25	+.9	21	7.5	n.	24	nw.	8	2	9	19	7.5	.0	.0	1
Redding [1]	722	20	34	989.2	1,014.9	-----	55.1	−4.7	82	1	64	36	20	46	32	38	58	2.60	.0	11	7.9	nw.	33	w.	15	4	6	20	7.2	.0	.0	8
Sacramento	66	92	115	1,013.9	1,015.6	−.7	55.9	−2.2	82	1	67	38	21	45	32	43	68	1.66	+.2	10	7.9	sw.	22	sw.	11	10	9	11	5.3	.0	.0	2
San Francisco [2]	155	112	132	1,012.2	1,017.3	−.3	53.2	−1.8	62	5	58	46	16	49	14	46	80	2.07	+.5	8	10.5	w.	30	w.	7	6	15	9	5.8	.0	.0	0
South Pacific Coast Region							58.8	+0.7									65	0.78	−0.1										5.2			
Fresno [1]	327	5	35	1,003.7	1,015.2	−.4	58.2	−2.0	87	2	70	37	9	46	38	40	58	1.13	+.2	6	8.0	nw.	34	nw.	8	9	10	11	5.3	.0	.0	1
Los Angeles	338	223	250	1,003.4	1,014.6	−1.0	58.8	−.6	73	3	68	46	14	50	23	45	66	.60	−.4	2	7.5	w.	33	w.	8	11	12	7	4.9	.0	.0	0
San Diego [1]	87	20	55	1,012.5	1,015.2	−.4	59.5	+.5	70	3	67	46	22	52	23	48	70	.61	−.2	4	7.6	w.	29	sw.	8	8	12	10	5.4	.0	.0	0
West Indies																																	
San Juan, P. R.	82	10	54	------	------	------	-----	-----	---	---	---	---	---	---	---	---	---	-----	-----	---	----	------	---	------	---	---	---	---	----	----	----	----

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.	
Panama Canal																																
Balboa Heights	118	6	92	-------	[3] 1,010.2	.0	82.8	+1.2	95	12	92	70	1	74	23	----	[3] 76	3.59	+.7	6	8.5	nw.	24	n.	2	5	21	4	5.5	.0	.0	2
Cristobal	27	47	97	-------	[3] 1,011.2	+.4	81.6	−.2	89	12	85	74	28	78	10	74	[3] 78	8.93	+4.8	11	12.3	ne.	26	ne.	7	7	9	14	6.2	.0	.0	4
Alaska																																
Anchorage [1]	132	6	44	1,004.4	1,009.5	------	31.9	−3.5	56	30	42	−21	2	22	38	20	62	.23	−.2	5	5.5	n.	20	s.	22	7	9	14	6.5	1.4	.0	0
Fairbanks [1]	455	4	63	993.9	1,011.5	------	25.0	−4.4	57	28	40	−32	3	10	56	14	64	.01	−.3	1	5.1	n.	29	w.	14	11	8	11	5.4	.2	T	0
Juneau [1]	80	6	21	1,008.1	1,011.2	------	39.6	------	58	20	47	8	4	32	30	34	79	3.65	-----	16	7.6	e.	37	e.	21	1	3	26	8.7	15.1	.0	0
Nome	22	25	56	1,009.8	1,010.5	------	16.4	−3.2	41	28	26	−21	2	6	30	12	78	.87	+.2	8	6.8	ne.	23	e.	3	12	9	9	4.9	7.7	11.5	0
Hawaiian Islands																																
Honolulu	38	86	100	1,018.3	1,019.0	------	74.8	+1.8	80	14	79	67	4	71	11	----	---	.46	−1.6	9	11.3	e.	25	ne.	21	18	8	4	3.8	.0	.0	0
Alaska																																
Bethel	28	7	31	1,006.8	1,008.1	------	25.8	−1.8	50	29	35	−11	1	16	34	21	77	.60	.0	9	9.6	ne.	28	------	18	11	7	12	5.7	8.8	T	0
Gambell	32	5	32	1,010.5	1,011.5	------	11.3	−7.2	37	25	18	−11	1	5	29	10	87	.83	−.1	9	13.4	ne.	42	nne.	6	9	8	13	5.8	8.3	15.4	0
Ketchikan	75	69	90	1,010.5	1,011.2	------	44.0	+1.4	58	13	50	30	1	38	25	38	80	10.16	−.9	20	6.6	se.	26	s.	21	1	6	23	8.7	T	.0	0
Kotzebue	20	5	31	1,011.9	1,012.2	------	6.6	−7.4	32	28	18	−25	3	−4	34	6	87	.30	.0	6	----	ne.	---	------	---	12	6	12	5.0	4.2	13.6	0
McGrath	331	5	31	997.3	1,010.2	------	23.6	------	54	30	39	−28	1	8	44	14	64	.10	−.3	2	----	nw.	---	------	---	16	5	9	4.4	3.4	13.0	0
Northway	1,718	5	32	946.8	------	------	24.5	------	57	29	39	−42	1	10	48	14	64	.28	-----	3	5.2	nw.	28	------	14	8	12	10	5.7	2.0	.0	0
Summit	2,405	5	30	922.5	1,011.5	------	18.6	------	47	29	30	−30	1	7	34	12	70	.06	-----	4	----	ne.	30	ese.	14	9	11	10	6.0	1.0	20.4	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, APRIL 1944

[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
	April						
Henrietta, Tex	1	8 p. m	[1] 1	-------	$1,500	Hail	Loss in crops, $500; property damage, $1,000; path 6 miles long.
Bridgeport, Tex	2	10 p. m	[1] 4	-------	5,000	Hail and wind	Property damaged; path 5 miles long.
San Antonio, Tex	2	11:15 p. m	[1] 3	-------	1,005,000	Hail	Property damaged, $1,000,000; loss in growing crops, $5,000; path 10 miles long.
Madison and St. Lucie Counties, Fla.	2	------	------	-------	1,000	do	Loss in young cotton and corn in Madison County; in Saint Le. County loss over a small area was estimated to be from 5 to 25 percent to tomatoes, beans, and citrus.
Waveland, Ind	7	------	------	-------	------	Electrical	Barn burned, loss several thousands of dollars.
Hamilton County, Tex	8	6 p. m	[1] 10	-------	325,000	Straight-line-wind and hail.	Property damaged, $250,000; loss in crops, $75,000; path 25 miles long.
McPherson County, Kans.	8	do	[1] 15	-------	25,000	Hail	Property damaged; path 30 miles long.
Pottsville, Tex	8	do	[1] 2½	1	1,000,000	Tornado	Property damaged; 7 persons injnred; path 10 miles long
Graham, Tex	8	7:30 p. m	[1] 6	-------	------	Hail	Loss in gsowing wheat and property damage not estimated; path 10 miles long.
Kingfisher County, Okla.	8	9 p. m	------	-------	10,000	Wind	Propperty damaged.
Tillman County, Okla	8	------	440	-------	4,000	do	2 persons injured; property damaged, $1,000 loss in crops, $3,000; path 1 mile long.
Beaver County, Okla	9	6:30 p. m	75	0	2,250	Tornado	Buildings damaged on 4 farmsteads; path 25 miles long.
Kiowa County, Okla	9	do	220	0	50,000	do	3 persons injured; 11 city homes damaged. 3 farmhouses partially destroyed, 1 farmhouse carried 440 yards. Cotton oil mill and 3 business houses destroyed; path 5 miles long.
Washita County, Okla	9	do	[1] 3	1	500,000	Tornado and hail	At least 3 distinct storms running side by side; 10 persons injured; 75 homes and many barns destroyed; path 14 miles long.
Seward County, Kans	9	6:45 p. m	220	0	170,000	Tornado	Storm originated near Turpin, Okla. Chief damage to Army Airfield short distance west of Liberal where several warehouses were wrecked. Path 20 miles long.
Lincoln County, Okla	9	7 p. m	------	0	------	do	House and barn destroyed; property damaged.
Custer County, Okla	9	------	[1] 1	0	6,000	do	Many homes damaged; 4 persons injured; path 45 miles long.
Indianapolis, Ind	9	------	------	0	5,000	do	A dozen or more houses and garages damaged.
Creek, Okla	10	2 a. m	880	4	8,500	do	Property damaged, $8,000; loss in orchards, $500 ;path 10 miles long.
Caddo County, Okla	10	3 a. m	------	-------	5,500	Hall and wind	Property damaged.
Nowata and Craig Counties, Okla.	10	do	[1] 15	-------	22,000	Tornadic winds	1 person injured; property damaged, $20,000; loss in crops $12,000; path 20 miles long.
Labette County, Kans	10	3-3:30 a. m	[1] 15	0	75,000	Tornado and hail	Storm originated near Nowata, Okla, and extended to St. Paul, Kans., passing a short distance south of Parsons. Damage in business sections of Altamont and Edna and to 150 farmsteads. Heavy hail fell in Mount Valley and Parsons, Kans., path 65 miles long.
Craig, Okla	10	2:30 p. m	[1] 3½	0	1,500	Tornado	Small farm buildings damaged; path 16 miles long.

[1] Miles instead of yards.