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	55.7	+6.8	Geneva	86	27	Valley Head	10	13	7.21	+1.96	Scottsboro	12.22	Robertsdale	1.46
Arizona	43.0	−2.9	2 stations	82	[1] 5	Fort Valley	−7	11	2.58	+1.24	Ashdale R. S	7.84	Safford	.14
Arkansas	48.2	+4.5	Morrilton	87	24	Lead Hill	4	15	7.34	+3.91	Dermott	13.78	Fayetteville Expt	4.23
California	44.9	−2.0	Mecca	91	2	Bridgeport (near)	−27	24	6.04	+1.52	Lake Arrowhead	19.92	Calexico	.16
Colorado	27.0	−.2	Holly	73	24	Taylor Park	−30	19	.71	−.27	Cumbres	6.20	Squirrel Creek	.00
Florida	65.7	+5.2	Stuart	93	15	De Funiak Springs	24	13	1.63	−1.49	Compass Lake	6.97	9 stations	.00
Georgia	54.5	+5.9	Waycross	87	27	Blairsville	4	13	6.61	+1.77	Dahlonega	13.29	Abbeville	2.45
Idaho	28.3	+.3	Lewiston	60	7	Landmark	−34	20	1.47	−.28	Island Park Dam	4.09	Buhl	.20
Illinois	33.5	+3.7	New Burnside	75	24	Marengo	−21	19	2.44	+.52	Flora	4.95	Chicago Heights	1.15
Indiana	34.6	+4.0	Seymour	76	26	2 stations	−18	13	2.85	+.43	Moores Hill	4.96	Waterloo	.86
Iowa	26.7	+4.2	Fairfield	68	25	Hawarden	−30	12	1.10	+.02	Mount Pleasant	2.42	Creston	.41
Kansas	36.3	+3.1	Sedan	80	25	Centralia	−20	12	1.22	+.23	Fort Scott	3.88	Johnson	.23
Kentucky	42.4	+5.2	2 stations	78	26	Farmers	−2	13	4.59	+1.20	Stearns	8.46	Cynthiana	2.64
Louisiana	59.9	+6.1	Robeline	90	6	3 stations	22	12	4.66	+.12	Paradis	11.24	Hackberry	1.81
Maryland-Delaware	36.5	+3.2	2 stations	72	24	2 stations	0	13	2.60	−.39	Snow Hill, Md	5.10	Chewsville, Md	1.15
Michigan	23.7	+3.4	Monroe	70	26	Kenton	−23	16	1.52	−.17	Charlotte	3.19	Curran	.60
Minnesota	15.4	+2.8	Fairmont	53	4	Big Falls	−36	18	.77	+.02	Canby	2.36	3 stations	.01
Mississippi	55.4	+6.0	3 stations	85	[1] 24	Hernando	12	13	7.46	+2.58	Scott	11.85	Fruitland Park	1.79
Missouri	37.9	+4.7	Anderson	82	24	Grant City	−21	12	3.10	+1.03	Deering	8.59	Grant City	.75
Montana	23.6	+1.4	Melstone	64	6	Outlook	−37	17	.59	−.17	Kings Hill	3.54	Opheim	T
Nebraska	27.1	+.8	Beatrice	75	25	Ewing	−33	12	.91	+.21	Mumper	2.26	Burwell	.20
Nevada	32.4	−1.6	2 stations	76	[1] 6	Seventy-one Ranch	−20	11	1.46	+.38	Marlette Lake	8.03	Rattlesnake	.03
New England	22.3	−.4	Norwalk, Conn	59	24	Lake Frontiere, Maine	−36	9	2.50	−.56	Machias, Maine	5.24	Bethlehem, N. H	1.13
New Jersey	32.3	+1.7	4 stations	65	24	Runyon	−7	14	2.38	−1.17	Clayton	4.49	Layton	1.48
New Mexico	36.7	−.5	Obar	79	28	Eagle Nest	−23	19	.53	−.18	Chama	2.24	4 stations	.00
New York	22.5	.0	2 stations	61	24	Stillwater Reservoir	−38	19	2.32	−.35	Whiteface Mountain	5.15	Burdett	.56
North Carolina	45.6	+2.9	Shelby	81	27	Mount Mitchell	−10	12	6.35	+2.32	Andrews	14.59	Jefferson	2.67
North Dakota	11.2	+1.4	Medora	50	6	Golva	−43	11	.29	−.18	New England	.77	2 stations	.00
Ohio	33.2	+3.8	Ironton	78	26	Bellefontaine	−17	13	2.45	−.14	Kings Mills	4.47	Toledo Airport	1.22
Oklahoma	44.9	+3.8	Tipton	84	25	Jay	4	12	2.86	+1.43	Bear Mountain Tower	9.42	Kenton	.23
Oregon	34.8	−.5	3 stations	64	[1] 6	Seneca	−13	20	2.58	−.59	Tillamook	14.88	Hart Mountain	.22
Pennsylvania	29.4	+1.0	2 stations	67	[1] 24	2 stations	−18	19	1.99	−.82	Johnstown	4.00	Milroy	.90
South Carolina	51.6	+4.1	do	87	[1] 24	Ceasars Head	6	13	6.06	+1.85	Longcreek	10.51	Miley	3.19
South Dakota	18.2	−1.0	Marion	61	4	2 stations	−42	[1] 11	.65	+.09	Centerville	1.92	Raymond	.05
Tennessee	46.4	+5.2	Elizabethton	82	28	Crossville	4	13	9.39	+4.99	Waynesboro	15.64	Rogersville	5.35
Texas	54.4	+3.1	Mission	97	[1] 25	Follett	6	11	2.67	+.89	Jefferson	11.93	Fowlerton	.05
Utah	26.9	−3.0	St. George	67	[1] 6	Scipio	−23	11	1.15	−.15	Silver Lake (Brighton)	3.67	Callao	.10
Virginia	39.7	+2.5	Staunton	82	24	Burkes Garden	−2	13	4.90	+1.83	Rose Hill	11.42	Woodstock	1.94
Washington	35.3	+1.2	Wahluke (near)	63	6	Stockdill Ranch	0	15	2.83	−.90	Highley Peak	11.40	Benton City	.21
West Virginia	37.3	+3.9	2 stations	79	[1] 26	Seneca State Forest	−13	13	3.77	+.66	Bluefield	7.38	Brandywine	1.55
Wisconsin	21.5	+4.3	Kenosha	56	26	Mellen	−25	18	1.31	+.13	Brodhead	3.27	Antigo	.36
Wyoming	21.6	−.6	Ft. Laramie	66	26	Moran	−28	20	.77	.00	Grassy Lake Dam	5.60	Nine Mile Creek	.03
Alaska (January)	8.5	+5.9	Tree Point	53	20	Allakaket	−66	30	3.03	+.83	View Cove	31.96	Kotzebue	.17
Hawaii	68.8	+.2	2 stations	89	[1] 5	Haleakala R. S	32	22	8.31	+.61	2 stations	28.40	Ukumehame	1.44
Puerto Rico	72.6	.0	Ponce	92	6	Guineo Reservoir	44	29	2.01	−1.19	La Mina (El Yunque)	7.42	Santa Isabel	.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: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: 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.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	%	In.	In.		Mi.								0–10	In.	In.	
New England							**24.6**	**−0.1**									**72**	**2.67**	**−0.8**										**5.8**			
Eastport	75	67	85	29.85	29.95	−0.03	20.6	−1.0	44	29	29	−8	9	12	31	12	69	4.42	+0.9	15	13.3	nw.	35	s.	15	11	6	12	5.4	29.4	6.3	0
Greenville, Maine	1,070	6	41	28.76	30.00	-----	12.0	−1.6	41	27	25	−27	9	−1	42	7	---	2.87	.0	10	---	nw.	---	-----	---	8	10	11	---	26.5	27.0	0
Portland, Maine [1]	103	5	43	29.87	30.00	−.02	21.1	−1.7	43	24	32	−10	2	10	36	14	80	4.01	−.2	12	8.9	n.	46	w.	15	10	11	8	5.0	17.6	.7	0
Concord [1]	289	4	45	29.69	30.02	−.02	20.7	+.4	48	24	32	−11	20	9	49	10	67	2.56	−.4	10	8.1	nw.	35	nw.	15	9	7	13	5.8	20.7	6.0	0
Burlington [1]	403	6	51	29.56	30.04	+.01	16.6	−2.8	42	24	28	−23	19	6	43	11	80	2.53	+.9	13	10.3	s.	40	s.	5	4	9	16	7.0	25.9	9.7	0
Boston [1]	124	33	62	29.86	30.02	−.02	29.6	+.8	55	24	38	7	9	21	32	16	60	2.15	−1.4	11	12.7	nw.	44	ne.	11	8	7	14	6.3	9.6	.0	0
Nantucket	12	11	59	29.98	30.01	−.03	31.0	+.3	48	15	37	12	19	25	24	24	78	2.38	−1.1	10	11.5	nw.	38	e.	11	11	2	16	5.9	11.6	.0	0
Block Island	26	11	46	29.99	30.03	−.03	31.2	+.8	48	15	38	12	19	25	24	23	71	1.64	−2.2	9	17.5	nw.	54	s.	15	13	4	12	5.3	6.3	.0	0
Providence [5]	159	46	60	29.84	30.04	−.01	30.4	+1.4	57	24	38	8	9	22	25	18	67	2.52	−1.3	10	9.3	nw.	34	se.	15	7	9	13	6.0	7.2	.0	0
Hartford [1]	159	5	44	29.87	30.06	.00	28.2	+1.0	57	24	38	−2	14	19	46	19	72	1.85	−2.1	12	9.8	nw.	34	se.	15	6	9	14	6.1	8.9	T	0
New Haven [1]	107	5	39	29.94	30.07	.00	29.0	+1.1	55	24	38	2	14	20	39	20	70	2.43	−1.4	11	8.0	ne.	28	s.	15	11	5	13	5.7	8.2	T	1
Middle Atlantic States							**35.0**	**+1.9**									**71**	**2.84**	**−0.4**										**6.6**			
Albany [1]	97	26	40	29.94	30.05	−.02	23.5	+2.1	47	6	32	−1	19	15	37	16	74	1.24	−1.3	11	11.7	w.	40	w.	1	7	9	13	6.2	8.0	.0	2
Binghamton [2]	871	60	79	29.09	30.08	.00	26.3	+2.3	51	6	35	4	19	17	38	17	76	2.04	−.3	12	6.7	w.	24	w.	15	4	9	16	7.3	14.0	.0	1
New York	314	415	454	29.71	30.08	.00	32.6	+1.3	59	24	40	12	19	25	28	20	60	2.20	−1.8	10	17.5	nw.	70	nw.	1	9	8	12	5.7	10.4	T	0
Harrisburg [1]	374	30	49	29.67	30.10	+.01	33.0	+2.8	62	24	40	15	14	26	33	23	70	1.25	−1.8	9	9.1	nw.	37	nw.	23	5	8	16	7.1	6.5	T	0
Philadelphia [1]	114	6	56	29.96	30.10	.00	33.8	+1.3	63	24	41	15	13	26	31	24	72	1.93	−1.5	9	10.1	nw.	38	nw.	1	4	10	15	7.3	4.7	.0	0
Reading	323	47	306	29.72	30.10	-----	33.2	+2.7	61	24	40	11	14	26	36	---	---	1.97	−1.6	9	12.6	nw.	45	nw.	1	7	5	17	6.9	8.3	.0	0
Scranton	805	72	104	29.18	30.08	.00	28.6	+1.3	53	24	36	7	14	21	36	---	---	1.31	−1.8	12	7.8	nw.	33	nw.	1	5	9	15	6.8	7.0	T	0
Atlantic City	52	37	172	30.02	30.09	−.02	35.9	+2.3	56	23	42	17	19	30	26	28	74	2.64	−.8	9	16.4	w.	51	e.	11	7	7	15	6.4	1.1	.4	0
Trenton	190	89	107	29.87	30.09	-----	33.4	+2.7	61	24	40	14	19	27	31	24	71	1.99	−1.4	11	10.0	n.	34	nw.	1	8	7	14	6.4	5.0	T	0
Baltimore [2]	123	100	215	29.96	30.11	.00	38.0	+2.6	70	24	45	18	13	31	30	26	69	2.20	−1.3	8	10.5	sw.	42	w.	1	9	7	13	6.3	5.8	.5	0
Washington [2]	112	56	100	29.98	30.10	−.01	38.2	+2.8	70	24	46	17	13	31	33	25	64	2.48	−.9	7	8.2	nw.	38	nw.	1	8	9	12	6.3	2.1	T	0
Cape Henry	18	8	54	30.05	30.09	-----	42.2	+.9	67	24	48	23	13	36	32	35	80	5.01	+1.7	13	13.2	n.	40	nw.	29	8	7	14	6.4	T	.0	0
Lynchburg	686	144	184	29.35	30.11	.00	41.4	+1.1	74	24	51	16	13	32	36	28	66	5.03	+1.8	12	7.5	nw.	31	nw.	29	7	9	13	6.4	4.0	.0	0
Norfolk [2]	91	80	125	29.99	30.10	−.01	43.4	+.7	72	24	50	22	13	36	30	34	78	5.90	+2.6	15	10.6	ne.	30	nw.	29	5	10	14	6.7	T	.0	2
Richmond	144	11	52	29.92	30.09	−.02	41.2	+1.6	74	24	50	18	13	32	33	30	69	5.40	+2.1	11	8.6	nw.	31	e.	11	6	9	14	6.6	2.0	.0	0
South Atlantic States							**51.5**	**+3.7**									**77**	**5.73**	**+1.9**										**6.7**			
Asheville	2,253	77	92	27.71	30.10	−.03	43.4	+4.9	75	26	53	8	13	33	45	32	72	6.46	+3.2	14	9.5	nw.	31	se.	14	4	9	16	7.3	6.0	.0	1
Charlotte [2]	779	63	86	29.25	30.09	−.03	46.9	+3.0	76	27	56	16	13	38	30	36	76	7.14	+2.8	15	7.1	ne.	29	nw.	29	6	7	16	7.0	.3	.0	2
Greensboro [1]	886	5	56	29.14	30.12	-----	41.8	-----	74	27	52	12	13	32	40	32	72	4.87	-----	13	8.1	ne.	29	nw.	29	6	7	16	7.0	2.5	.0	1
Hatteras	11	6	50	30.06	30.08	−.03	48.8	+1.4	67	24	56	27	13	42	28	43	86	8.66	+4.5	11	14.5	n.	47	s.	14	8	1	20	6.9	.0	.0	3
Raleigh [1]	376	27	69	29.68	30.11	.00	44.9	+2.7	75	24	54	17	13	36	35	36	75	5.10	+1.0	12	9.9	ne.	33	nw.	29	7	6	16	6.8	.0	.0	1
Wilmington	72	73	107	30.02	30.11	−.01	51.4	+3.5	77	26	60	22	13	42	32	44	82	6.20	+2.8	11	9.6	nw.	32	nw.	29	8	3	18	6.6	.0	.0	2
Charleston [2]	48	11	92	30.05	30.11	−.01	56.1	+3.7	82	28	64	26	13	48	23	46	82	7.18	+4.1	12	9.9	sw.	33	nw.	29	5	10	14	6.8	.0	.0	3
Columbia, S. C. [2]	349	70	91	29.72	30.10	−.01	52.8	+4.6	80	25	62	21	13	44	34	42	77	4.46	+.6	15	8.4	sw.	26	nw.	29	7	6	16	6.6	.0	.0	0
Greenville, S. C. [1]	1,040	18	36	28.97	30.10	-----	47.4	+4.1	76	27	56	16	13	38	34	38	77	6.25	+.9	17	9.5	ne.	37	ne.	9	6	7	16	6.8	.6	.0	2
Augusta [2]	182	62	77	29.90	30.10	−.02	54.0	+4.0	82	27	63	23	13	45	34	42	71	5.41	+1.2	16	5.5	nw.	25	nw.	14	6	10	13	6.6	.0	.0	0
Savannah [2]	65	73	152	30.05	30.13	+.01	58.9	+4.9	84	26	68	30	13	50	28	48	81	4.37	+1.1	10	10.4	w.	37	nw.	29	8	6	15	6.6	.0	.0	2
Jacksonville [2]	43	86	110	30.08	30.14	+.02	62.4	+4.4	84	27	73	33	13	52	32	51	78	1.79	−1.3	5	8.1	w.	32	sw.	11	7	16	6	5.2	.0	.0	1
Florida Peninsula							**70.8**	**+4.0**									**82**	**0.19**	**−1.9**										**3.2**			
Key West [2]	21	10	64	30.09	30.12	+.05	73.8	+3.3	84	29	79	60	8	69	15	65	80	T	−1.4	0	8.6	e.	22	nw.	4	22	5	2	2.7	.0	.0	0
Miami [2]	25	242	249	30.09	30.13	+.03	70.9	+2.9	83	29	76	54	1	66	20	62	84	T	−2.1	0	11.5	se.	33	se.	14	22	5	2	2.7	.0	.0	0
Tampa [1]	35	6	43	30.10	30.14	+.04	67.6	+5.7	83	21	77	39	13	58	32	59	83	.56	−2.1	6	9.0	sw.	34	s.	14	12	13	4	4.2	.0	.0	2
East Gulf States							**56.8**	**+5.6**									**81**	**5.16**	**+0.2**										**7.2**			
Atlanta [1]	1,173	33	72	28.85	30.10	−.02	50.4	+5.1	76	26	58	16	13	42	31	42	76	7.18	+2.0	18	11.0	nw.	40	n.	29	4	4	21	7.7	.0	.0	5
Macon [2]	370	79	87	29.70	30.11	−.01	53.9	+4.6	81	26	63	21	13	45	34	44	76	4.00	−.6	15	7.5	nw.	24	nw.	14	5	7	17	7.1	.0	.0	3
Thomasville	273	49	58	29.84	30.14	+.02	59.9	+4.9	82	24	71	29	13	49	32	---	---	4.64	.0	11	---	-----	---	-----	---	6	8	15	---	.0	.0	2
Apalachicola	35	11	51	30.08	30.12	-----	62.2	+5.7	77	23	69	32	13	55	26	56	86	4.69	+.6	7	8.1	s.	26	nw.	12	10	9	10	5.4	.0	.0	2
Pensacola	56	54	79	30.06	30.13	+.02	61.9	+6.7	79	26	70	30	12	54	32	54	84	2.63	−1.9	8	7.3	sw.	24	nw.	14	4	13	12	6.5	.0	.0	1
Anniston	741	9	---	-----	-----	-----	53.0	+7.1	79	26	62	15	13	44	35	---	---	7.46	+1.9	23	---	sw.	---	-----	---	6	5	18	---	.0	.0	3
Birmingham [1]	700	5	62	29.36	30.12	.00	51.6	+5.1	78	25	60	18	13	43	33	46	83	6.55	-----	19	9.3	sw.	28	nw.	14	2	6	21	8.0	.0	.0	7
Mobile [2]	57	86	161	30.06	30.12	+.01	60.4	+5.7	80	24	68	29	12	52	34	54	85	1.55	−4.0	10	7.2	s.	26	s.	9	4	10	15	6.9	.0	.0	1
Montgomery [2]	218	92	105	29.87	30.10	−.02	56.6	+5.0	81	25	65	24	13	48	32	48	76	5.45	−.2	17	7.9	n.	25	w.	14	5	5	19	7.4	.0	.0	3
Meridian [2]	375	67	92	29.70	30.11	.00	55.3	+5.7	81	25	64	23	13	46	35	48	83	7.91	+2.3	16	7.3	sw.	26	w.	14	3	5	21	7.7	.0	.0	7
Vicksburg [2]	247	82	102	29.82	30.08	−.02	56.2	+4.4	77	21	63	25	13	49	31	47	80	6.02	+1.1	19	9.4	n.	26	sw.	8	3	5	21	8.0	.0	.0	7
New Orleans [4]	53	50	84	30.04	30.10	+.01	63.8	+7.5	82	27	71	34	12	56	30	56	80	5.19	+.8	10	7.4	sw.	18	nw.	12	5	9	15	6.9	.0	.0	0
West Gulf States							**56.8**	**+4.3**									**82**	**3.65**	**+0.9**										**7.9**			
Shreveport [1]	249	5	64	29.80	30.08	−.01	54.6	+4.7	75	24	62	26	12	47	31	48	82	5.57	+2.2	15	9.9	e.	29	nw.	11	1	7	21	8.3	T	.0	7
Fort Smith	463	57	82	29.57	30.06	−.04	47.4	+4.6	81	24	56	19	12	39	35	37	70	5.80	+3.2	14	8.6	e.	27	w.	10	5	6	18	7.3	4.3	.0	5
Little Rock [1]	357	5	58	29.71	30.09	−.02	48.9	+4.0	77	24	58	20	13	40	30	42	81	5.98	+2.0	16	9.0	n.	27	sw.	5	4	11	14	7.0	T	.0	4
Austin [1]	605	10	41	29.41	30.05	-----	55.8	+2.4	80	25	64	26	12	48	32	50	81	3.89	+1.5	14	9.1	n.	32	n.	10	2	4	23	8.3	.0	.0	6
Brownsville [1]	57	5	54	29.92	29.98	-----	68.2	+5.6	86	26	76	43	12	60	26	62	86	.41	−1.1	5	12.7	s.	30	s.	8	0	9	20	8.3	.0	.0	0
Corpus Christi [1]	20	4	33	29.99	30.01	−.04	64.2	+7.5	85	26	71	35	12	57	23	58	86	.15	-----	6	13.2	se.	34	n.	11	4	6	19	7.6	.0	.0	0
Dallas [1]	512	5	45	29.51	30.07	-----	52.0	+1.9	77	26	61	20	12	43	34	46	83	4.45	+2.1	14	10.1	n.	38	s.	25	3	6	20	8.1	.0	.0	7
Fort Worth [1]	679	5	56	29.35	30.08	+.01	51.7	+4.5	79	26	60	23	12	44	32	44	77	4.81	+3.0	16	11.1	n.	43	n.	27	2	7	20	8.0	.0	.0	7
Galveston [2]	54	106	114	30.00	30.05	−.02	61.0	+4.7	76	28	66	35	12	56	21	56	90	1.11	−1.8	11	11.5	s.	29	nw.	11	2	5	22	7.9	.0	.0	1
Houston [2]	138	157	190	29.91	30.06	-----	61.2	+5.3	79	22	68	30	12	54	22	54	84	1.87	−1.4	14	11.3	se.	36	se.	14	2	4	23	7.8	T	.0	1
Palestine	510	64	72	29.54	30.08	.00	56.0	+4.8	77	26	64	26	12	48	37	48	76	5.43	+2.2	14	8.2	s.	23	nw.	10	1	6	22	8.0	.0	.0	4
Port Arthur	34	59	134	30.03	30.06	-----	61.0	+3.9	80	28	68	30	12	54	25	55	85	2.84	−.8	13	14.2	s.	36	s.	14	3	6	20	7.6	.0	.0	1
San Antonio [1]	693	6	51	29.30	30.03	−.02	57.0	+1.6	85	25	66	26	12	49	29	51	82	1.68	−.1	11	9.4	ne.	37	n.	28	2	6	21	8.2	.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 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.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	%	In.	In.		Mi.								0-10	In.	In.	
Ohio Valley and Tennessee							**39.4**	**+4.2**									**77**	**4.88**	**+1.3**										**7.1**			
Chattanooga [1]	762	6	66	29.28	30.11	−.02	47.3	+5.1	76	26	57	14	13	37	39	40	82	11.03	+6.0	15	7.9	s.	35	nw.	22	5	3	21	7.8	1.5	.0	5
Knoxville [1]	995	27	53	29.04	30.12	.00	46.6	+5.7	75	26	56	12	13	37	40	38	77	9.38	+4.7	14	8.8	sw.	38	w.	29	4	8	17	7.2	.9	.0	4
Memphis [4]	399	5	86	29.66	30.10	−.01	48.5	+5.5	75	25	57	20	13	40	31	41	78	9.24	+4.7	15	8.7	e.	27	sw.	25	5	7	17	7.2	T	.0	6
Nashville [1]	546	5	72	29.51	30.10	−.02	46.6	+5.0	74	26	55	13	13	38	32	38	76	7.14	+2.9	15	9.4	s.	28	nw.	11	4	6	19	7.7	T	.0	4
Lexington	989	6	----	29.02	30.13	+.02	40.6	+5.2	76	26	51	5	13	30	32	----	----	3.67	−.1	13	----	s.	----	----	----	10	6	13	6.0	5.8	T	1
Louisville [3]	525	106	120	29.53	30.10	−.01	41.2	+3.9	72	26	48	11	12	34	24	31	72	3.34	−.3	9	9.6	n.	36	sw.	5	7	10	12	6.7	2.0	T	0
Evansville [1]	431	12	40	29.63	30.11	.00	39.2	+4.3	71	24	48	6	12	30	33	30	76	3.13	−.2	9	9.2	nw.	29	sw.	22	6	8	15	6.9	3.0	.0	2
Indianapolis [1]	823	5	54	29.19	30.11	+.01	33.0	+2.7	68	26	42	−8	13	24	33	26	81	2.82	----	11	11.3	sw.	43	sw.	22	4	8	17	7.3	8.8	.2	3
Terre Haute [2]	575	68	149	29.48	30.12	----	35.4	+3.3	70	22	44	−1	12	27	31	28	80	2.88	+.2	10	10.0	n.	36	w.	22	4	9	16	7.1	11.0	T	1
Cincinnati [2]	627	11	51	29.41	30.11	+.01	37.9	+5.1	73	26	46	4	13	30	29	29	75	4.26	+1.2	10	8.2	ne.	27	sw.	5	4	10	15	6.7	5.8	2.0	1
Columbus [2]	822	90	110	29.19	30.10	+.01	35.2	+4.5	70	26	43	−1	13	28	27	26	78	2.05	−.7	10	10.2	s.	39	w.	23	6	5	18	7.3	8.8	.3	1
Vandalia [1]	1,003	6	55	28.99	30.09	----	33.1	+3.2	69	26	41	−6	13	25	29	27	83	2.45	−.3	10	11.9	nw.	47	w.	22	6	6	17	7.2	9.1	2.0	1
Elkins [2]	1,947	61	78	27.98	30.10	.00	35.6	+4.0	66	26	47	7	13	24	37	27	80	4.26	+1.1	18	7.6	w.	30	w.	14	1	10	18	7.6	7.1	2.7	0
Parkersburg	637	77	84	29.39	30.10	.00	37.9	+3.7	74	26	48	8	13	28	32	28	70	3.18	.0	12	7.5	nw.	22	nw.	1	7	9	13	6.4	5.0	1.9	1
Pittsburgh [1]	842	39	54	29.15	30.09	.00	32.3	+2.5	58	22	41	6	13	24	29	24	75	2.26	−.4	15	11.5	w.	47	nw.	23	4	8	17	7.2	8.5	2.1	1
Lower Lake Region							**26.5**	**+2.2**									**79**	**2.13**	**−0.4**										**7.3**			
Buffalo [1]	768	34	96	29.20	30.07	+.01	25.1	+1.4	50	5	33	−5	19	17	31	19	78	2.92	−.1	14	14.1	sw.	45	sw.	6	3	8	18	7.6	24.6	T	0
Canton	448	10	61	29.53	30.05	----	18.0	+2.2	44	6	29	−20	8	7	42	12	78	2.08	−.3	16	9.2	sw.	27	sw.	5	4	8	17	7.2	20.7	1.8	0
Oswego	335	71	85	29.67	30.06	.00	25.1	+1.2	49	5	32	3	8	18	33	17	71	2.26	−.5	18	11.2	se.	32	nw.	1	3	9	17	7.3	19.2	1.7	0
Rochester [1]	523	5	69	29.48	30.08	+.02	24.0	+1.1	50	5	33	−7	19	15	37	18	82	2.91	+.1	15	11.5	w.	49	w.	6	3	5	21	7.9	21.0	T	0
Syracuse [1]	596	5	57	29.39	30.07	.00	24.5	+1.6	50	6	33	−2	19	16	42	19	84	2.55	−.3	16	11.1	sw.	40	w.	6	4	6	19	7.6	18.6	T	0
Erie [2]	714	57	81	29.28	30.09	+.02	28.7	+1.8	53	5	35	4	19	22	25	22	84	2.22	−.4	12	9.3	w.	27	se.	26	2	9	18	7.6	12.5	T	1
Cleveland [1]	762	27	54	29.25	30.11	+.04	29.5	+3.2	68	26	38	0	13	21	30	24	82	1.66	−.9	13	11.2	s.	49	sw.	23	5	7	17	7.3	14.2	T	1
Sandusky	629	5	67	29.39	30.10	+.03	31.2	+3.8	72	26	38	1	13	24	33	----	----	1.62	−.6	10	10.0	sw.	34	sw.	23	7	6	16	----	8.2	.0	1
Toledo [1]	628	5	47	29.38	30.10	+.03	28.2	+2.2	71	26	37	−4	13	20	33	23	81	1.22	−.9	10	12.0	sw.	39	w.	5	9	6	14	6.0	7.0	T	1
Fort Wayne [1]	857	5	33	29.14	30.09	----	28.8	+2.2	66	26	37	−8	13	20	31	22	77	2.15	−.3	8	9.3	sw.	38	w.	22	5	8	16	7.1	10.2	.0	0
Detroit [1]	730	5	78	29.27	30.09	+.03	28.6	+3.8	68	26	35	6	13	22	32	22	77	1.82	−.4	9	10.3	sw.	38	w.	5	4	8	17	7.3	11.1	T	1
Upper Lake Region							**22.8**	**+4.5**									**79**	**1.41**	**−0.4**										**7.0**			
Alpena	609	5	89	29.35	30.06	+.03	23.2	+5.2	41	21	30	1	18	16	31	18	79	1.26	−.5	11	11.3	nw.	29	nw.	15	3	8	18	7.4	9.0	.0	0
Escanaba	612	51	72	29.37	30.07	+.01	21.0	+5.4	40	24	28	1	13	13	28	16	76	.75	−.8	9	11.3	nw.	33	n.	5	5	10	14	6.7	3.2	T	0
Grand Rapids [2]	707	70	244	29.29	30.08	+.03	28.4	+4.7	65	26	35	8	12	22	30	22	84	1.81	−.5	10	11.9	sw.	48	sw.	26	3	11	15	7.3	8.8	.0	1
Lansing [2]	878	5	90	29.10	30.09	----	25.4	+2.3	61	26	32	−4	19	18	30	21	82	2.15	+.2	13	9.0	sw.	26	w.	5	5	7	17	7.0	15.4	T	2
Ludington	637	60	66	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Marquette	734	44	73	29.22	30.06	+.01	21.4	+5.0	39	21	28	2	16	15	29	14	76	1.90	−.1	15	9.3	nw.	31	sw.	13	4	7	18	7.4	16.1	2.5	0
Sault Sainte Marie [1]	614	11	52	29.34	30.05	+.02	16.9	+5.5	38	21	26	−1	2	18	8	33	12	82	1.03	−.4	151	1.1	nw.	36	sw.	23	4	6	19	7.5	8.3	4.3	0
Chicago [1]	673	5	36	29.34	30.10	+.02	29.0	+3.9	62	26	37	−5	13	21	30	23	81	1.70	−.4	10	10.5	s.	38	w.	5	5	8	16	7.2	12.5	T	1
Green Bay	617	109	141	29.38	30.08	+.02	23.0	+5.6	43	4	31	0	18	15	34	16	74	1.02	−.6	9	10.6	s.	26	n.	5	6	7	16	6.8	5.8	T	0
Milwaukee [1]	681	33	66	29.32	30.09	+.03	25.5	+4.2	52	26	33	−4	13	18	34	18	76	1.69	−.2	11	12.7	sw.	41	w.	5	6	5	18	7.0	9.3	.0	1
Duluth [2]	1,133	5	47	28.81	30.10	+.02	14.4	+3.0	44	21	25	−15	11	4	30	6	83	.82	−.3	5	12.6	nw.	31	w.	23	10	9	10	5.6	8.7	5.7	0
North Dakota							**12.2**	**+3.0**									**83**	**0.30**	**−0.2**										**6.0**			
Fargo [1]	940	5	43	29.06	30.13	+.02	11.8	+3.7	40	25	23	−22	12	0	41	6	76	.16	−.6	5	11.6	n.	31	n.	17	6	11	12	5.9	1.9	.1	0
Bismarck	1,677	5	43	28.25	30.14	+.02	10.4	+1.9	35	20	23	−34	11	−2	49	6	84	.36	−.1	9	8.5	e.	26	nw.	8	8	8	13	6.1	5.8	2.6	0
Devils Lake	1,478	11	44	28.46	30.14	+.03	9.2	+4.1	33	28	20	−26	11	−1	37	6	88	.12	−.4	6	8.4	sw.	25	nw.	19	8	10	11	6.0	1.5	T	0
Lemmon, S. Dak	2,602	4	38	27.24	30.09	----	13.6	−2.3	45	6	24	−27	11	3	46	11	88	.41	----	3	----	nw.	----	----	----	11	3	15	----	5.5	6.5	0
Grand Forks [1]	832	4	41	29.19	30.14	----	9.6	----	36	20	21	−24	11	−2	46	5	----	.14	----	6	----	n.	----	----	----	9	10	10	----	4.0	T	0
Williston	1,878	42	50	28.00	30.06	−.05	16.0	+7.9	47	2	27	−27	11	5	46	11	78	.54	+.1	10	6.5	sw.	21	n.	14	9	5	15	6.0	5.8	1.3	0
Upper Mississippi Valley							**29.0**	**+4.8**									**79**	**1.96**	**+0.2**										**6.4**			
Minneapolis-St. Paul, Minn [1]	919	43	74	29.05	30.09	.00	20.6	+4.7	45	2	30	−14	12	11	32	14	78	1.10	+.1	7	10.3	nw.	30	w.	23	7	14	8	5.6	4.2	T	0
Springfield, Minn	1,025	4	42	28.95	30.10	----	20.9	----	50	21	31	−15	12	11	36	15	79	1.65	----	5	----	nw.	----	----	----	11	9	9	----	2.6	T	1
La Crosse [1]	714	5	29	29.28	30.09	+.01	22.7	+5.7	47	4	32	−8	12	14	32	17	82	1.32	+.2	10	8.5	nw.	26	nw.	5	7	10	12	6.3	4.2	.0	0
Madison [2]	974	70	78	29.00	30.10	+.03	24.5	+5.4	46	5	32	−2	12	17	32	18	80	1.96	+.4	9	8.3	nw.	24	ne.	10	6	6	17	6.5	6.0	.0	1
Charles City	1,015	10	51	29.00	30.14	+.04	23.6	+6.5	50	4	33	−13	12	14	32	----	----	.99	−.1	8	6.5	nw.	20	nw.	5	9	11	9	5.4	7.6	.0	1
Davenport	606	6	50	29.43	30.14	+.04	27.4	+3.9	53	26	37	−8	12	18	31	22	82	1.99	+.4	10	9.6	w.	35	w.	22	4	8	17	7.3	12.6	.0	3
Des Moines [2]	860	5	99	29.13	30.10	−.01	28.8	+5.1	62	25	39	−10	12	19	36	20	78	.81	−.4	8	9.6	nw.	34	nw.	5	9	6	14	5.4	6.5	.0	1
Dubuque	699	81	96	29.32	30.11	+.02	26.8	+4.6	49	4	35	−5	12	18	32	20	76	1.95	+.5	10	6.3	s.	17	s.	4	5	12	12	6.4	6.3	T	2
Burlington, Iowa [1]	702	4	36	29.34	30.12	+.01	28.0	----	54	25	38	−12	12	18	31	22	82	1.49	−.3	9	11.5	nw.	43	w.	5	6	6	17	7.0	14.7	.0	1
Cairo	357	5	99	29.72	30.11	−.01	43.7	+5.2	73	24	52	8	12	35	27	----	----	4.63	+1.4	11	9.5	sw.	30	sw.	5	6	6	17	6.9	5.9	.0	4
Peoria [1]	609	6	26	29.45	30.13	+.03	29.4	+4.5	58	23	39	−9	12	20	34	23	80	1.74	−.3	8	10.5	s.	39	w.	22	5	9	15	6.8	11.0	.0	1
Springfield, Ill [2]	636	5	191	29.41	30.11	+.01	33.8	+4.3	65	22	42	−6	12	25	34	26	84	2.76	+.4	8	11.9	s.	37	w.	22	4	11	14	6.7	8.9	T	2
St. Louis [4]	568	6	303	29.49	30.11	.00	38.2	+3.4	70	22	47	0	12	30	31	28	73	2.72	+.1	8	12.2	nw.	38	w.	22	7	9	13	6.2	6.9	T	3
Missouri Valley							**29.9**	**+3.4**									**78**	**1.57**	**+0.2**										**5.8**			
Columbia, Mo. [2]	784	6	66	29.24	30.10	−.01	36.3	+3.9	69	23	46	−5	12	27	37	28	74	2.78	+.7	10	8.1	s.	25	w.	22	8	6	15	6.2	7.1	.0	2
Kansas City [1]	963	38	76	29.13	30.09	−.02	35.6	+4.4	73	25	46	−5	12	25	35	27	71	1.78	+.2	7	10.3	ne.	38	sw.	26	9	9	11	6.0	8.0	T	1
St. Joseph [2]	967	11	49	29.03	30.10	----	33.7	+4.1	68	25	44	−10	12	24	36	25	74	1.32	−.4	6	8.9	e.	34	w.	22	12	7	10	5.2	11.1	.0	1
Springfield, Mo. [1]	1,324	5	60	28.65	30.08	−.03	39.2	+5.2	73	24	50	1	12	29	36	31	76	3.16	+.7	13	12.6	se.	34	sw.	22	5	8	16	7.0	11.3	.0	3
Topeka	987	65	87	29.02	30.09	----	36.4	+5.4	76	25	47	−3	12	26	38	27	70	.97	−.6	6	9.1	n.	29	nw.	5	10	9	10	5.6	5.8	T	0
Lincoln [2]	1,189	11	81	28.79	30.11	+.01	30.0	+3.9	71	25	40	−20	12	20	40	21	78	1.21	+.2	7	8.7	n.	33	n.	10	7	6	16	6.2	11.9	.0	0
Omaha [1]	1,105	5	68	28.89	30.11	.00	28.2	+3.9	63	4	39	−19	12	17	41	21	76	.94	.0	10	10.7	n.	40	e.	10	8	10	11	5.9	8.4	.0	1
Valentine	2,598	46	54	27.28	30.11	+.02	21.4	.0	50	24	32	−21	11	11	43	16	86	1.84	+1.3	10	7.8	w.	27	n.	25	11	10	8	5.0	19.6	10.0	0
Sioux City [1]	1,138	5	40	28.84	30.11	−.01	23.4	+3.0	54	4	34	−23	12	13	38	19	85	.82	.0	6	9.5	nw.	33	nw.	5	9	6	14	6.0	5.5	.0	1
Huron [1]	1,301	5	41	28.67	30.13	+.01	15.2	+.9	41	24	28	−29	11	3	39	13	89	.89	+.3	7	10.7	nw.	28	n.	17	11	11	7	5.4	10.1	1.7	1

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 thunder storms
	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	° F.		° F.	° F.		° F.	° F.	° F.	%	In.	In.		Mi.								0–10	In.	In.	
Northern Slope							**24.3**	**+1.4**									**74**	**0.65**	**0.0**										**6.8**			
Billings [1]	3,570	16	40	26.25	30.02	-----	25.4	-----	60	6	35	−7	10	16	31	18	70	.57	-----	6	11.0	sw.	36	w.	6	4	11	14	6.9	15.4	T	0
Havre	2,507	11	67	27.34	30.06	−.01	22.8	+9.2	53	6	35	−8	15	11	42	14	68	.41	−.1	4	9.0	sw.	26	w.	7	2	8	19	7.7	6.5	2.0	0
Helena [1]	4,124	5	43	25.74	30.08	−.03	23.2	+1.6	55	6	35	−8	10	11	38	16	70	.47	+.1	11	7.3	w.	42	w.	6	7	6	16	7.1	12.7	2.7	0
Missoula [2]	3,205	80	91	26.59	30.05	-----	29.9	+3.2	51	6	37	5	17	23	28	23	78	.72	−.1	13	6.9	e.	34	e.	21	4	9	16	7.0	9.2	T	0
Kalispell	2,973	48	56	26.89	30.02	−.06	27.4	+4.1	49	6	35	2	17	20	28	21	74	.51	−.6	12	5.1	w.	22	w.	6	1	6	22	8.2	5.0	.1	0
Miles City [1]	2,371	5	28	27.50	30.09	.00	18.2	-----	46	6	30	−24	11	7	34	14	79	.31	-----	8	-----	se.	-----	-----	-----	8	6	15	6.8	4.6	2.4	0
Rapid City [1]	3,259	5	63	26.59	30.08	.00	21.3	−.5	53	6	33	−15	11	10	38	16	84	.52	.0	7	11.9	nw.	50	nw.	25	9	7	13	5.8	6.5	2.5	0
Cheyenne	6,094	5	40	23.88	30.02	−.01	27.0	−.3	57	6	39	−2	13	15	33	16	66	.63	.0	7	11.9	w.	42	w.	6	5	17	7	5.8	9.2	T	0
Lander	5,352	60	68	24.56	30.07	−.01	16.4	−6.1	49	6	29	−13	18	3	44	10	70	1.07	+.4	9	3.5	sw.	22	w.	4	8	13	8	5.8	16.7	8.6	0
Sheridan [1]	3,790	5	38	26.06	30.07	-----	21.5	-----	54	6	34	−12	15	9	42	14	73	.83	+.1	8	6.5	nw.	33	w.	6	4	10	15	7.1	9.9	1.4	0
North Platte [2]	2,821	11	51	27.06	30.08	+.01	26.6	.0	56	24	36	−5	11	17	31	20	82	.70	+.2	7	6.9	w.	27	ne.	10	6	8	15	6.8	7.4	T	1
Middle Slope							**37.7**	**+3.3**									**71**	**1.30**	**+0.3**										**6.5**			
Denver [2]	5,292	106	113	24.63	29.96	−.05	33.2	+.5	67	6	43	1	11	24	35	20	64	.45	−.1	5	7.1	s.	29	nw.	5	8	11	10	5.6	6.2	.0	0
Pueblo [1]	4,690	5	36	25.21	29.99	−.01	34.1	+2.0	67	6	48	6	11	21	45	21	65	.09	−.4	3	8.3	nw.	36	nw.	25	9	7	13	5.6	.8	.0	0
Concordia	1,392	50	58	28.58	30.10	+.01	34.0	+4.0	71	25	44	−6	12	24	39	24	72	1.12	+.2	6	7.8	s.	30	n.	5	10	6	13	6.0	12.5	.0	0
Dodge City [1]	2,509	5	58	27.39	30.04	−.02	36.0	+2.8	68	24	47	3	11	25	42	26	74	.77	.0	8	15.3	se.	55	n.	10	5	6	18	7.1	7.0	2.3	0
Wichita [1]	1,358	6	64	28.60	30.07	−.01	38.8	+4.4	72	25	48	7	12	29	33	29	72	1.34	.0	7	14.7	s.	42	n.	10	5	10	14	6.5	.3	T	1
Oklahoma City [2]	1,214	10	47	28.76	30.06	−.01	44.7	+5.1	79	24	53	14	11	36	34	36	75	2.03	+.9	15	8.8	s.	28	nw.	10	5	4	20	7.7	T	.0	3
Tulsa [1]	674	10	61	29.33	30.06	-----	43.4	+4.3	78	25	53	15	12	34	35	35	76	3.31	+1.8	12	10.7	n.	34	sw.	25	5	8	16	7.1	6.3	.0	4
Southern Slope							**48.8**	**+3.3**									**70**	**1.32**	**+0.6**										**7.0**			
Abilene [2]	1,738	10	56	28.21	30.02	−.03	51.0	+3.8	76	26	60	20	11	42	30	42	77	2.51	+1.4	10	9.1	s.	24	s.	15	3	6	20	7.8	.0	.0	3
Amarillo [1]	3,676	5	42	26.24	30.02	.00	39.6	+3.5	67	23	51	9	11	29	33	30	74	.72	.0	4	14.9	sw.	50	n.	10	8	2	19	6.9	1.3	.0	1
Del Rio	960	63	71	29.00	29.99	−.01	59.0	+3.0	82	25	67	31	12	51	27	47	70	1.46	+.9	4	9.1	se.	34	nw.	24	6	3	20	7.5	.0	.0	2
Roswell	3,566	75	85	26.35	29.97	−.01	45.5	+3.0	73	8	59	16	11	32	42	30	60	.58	.0	5	7.8	s.	34	w.	9	10	7	12	5.6	T	.0	2
Southern Plateau							**49.7**	**−1.4**									**60**	**1.26**	**+0.7**										**5.0**			
El Paso [1]	3,778	5	85	26.14	29.93	−.02	49.4	+.8	69	4	61	28	11	38	36	31	53	1.42	+1.0	6	10.2	n.	45	w.	21	10	9	10	5.0	T	.0	4
Albuquerque [1]	5,314	5	48	24.68	29.93	-----	40.0	−.5	64	7	52	18	14	28	34	26	58	.42	+.1	3	9.2	se.	42	nw	9	9	12	8	5.4	T	.0	0
Flagstaff	6,907	10	59	23.23	30.02	+.02	30.2	-----	59	5	42	3	11	18	45	21	72	2.98	-----	13	-----	nw.	-----	-----	-----	9	8	12	6.2	28.5	14.0	0
Phoenix [2]	1,107	39	87	28.82	29.98	−.01	52.7	−2.4	81	5	64	34	12	42	41	38	66	2.10	+1.3	9	5.5	e.	21	s.	25	12	6	11	5.1	.0	.0	1
Tucson [1]	2,555	6	30	27.35	29.96	-----	50.7	−1.5	78	3	64	28	11	38	37	32	55	1.10	+.1	6	-----	se.	-----	-----	-----	11	6	12	5.2	.0	.0	0
Yuma	142	9	54	29.84	29.97	−.03	55.4	−3.2	78	5	68	34	14	43	37	38	59	1.25	+.8	6	6.0	n.	21	n.	10	18	7	4	3.2	.0	.0	1
Independence	3,957	5	26	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Middle Plateau							**31.6**	**−1.6**									**74**	**1.12**	**+0.2**										**6.6**			
Reno [1]	4,527	20	52	25.39	29.97	−.11	35.1	−.6	64	6	47	13	18	23	40	26	70	1.48	+.3	13	6.7	nw.	36	s.	28	4	10	15	6.9	13.8	T	0
Tonopah	6,090	9	20	23.95	29.98	-----	30.0	−4.5	56	7	37	12	13	23	25	25	83	.51	+.1	6	-----	se.	-----	-----	-----	9	15	5	-----	5.8	.5	1
Winnemucca	4,339	5	56	25.56	30.00	−.09	31.9	−1.6	53	6	41	16	27	23	25	26	76	1.80	+.9	17	7.5	ne.	31	nw.	14	4	8	17	7.3	12.1	4.7	0
Modena	5,473	10	46	24.54	29.96	−.08	28.6	−2.4	56	7	38	6	16	19	35	-----	-----	1.18	+.2	10	8.3	sw.	33	sw.	8	7	10	12	6.1	12.6	.5	0
Salt Lake City [1]	4,227	32	46	25.57	30.04	−.04	29.4	−2.7	53	29	38	5	16	21	28	24	79	1.11	−.2	9	7.9	se.	26	s.	28	4	8	17	7.2	20.1	.0	0
Grand Junction	4,602	60	68	25.34	29.96	−.08	34.8	+1.9	60	29	45	16	11	25	28	22	60	.61	.0	9	5.5	nw.	26	w.	25	8	9	12	5.7	4.3	.0	0
Northern Plateau							**33.2**	**+1.1**									**82**	**1.06**	**−0.4**										**8.0**			
Baker [2]	3,471	36	54	26.40	30.04	−.08	30.3	+1.3	53	6	39	11	10	22	27	26	86	.82	−.4	10	5.3	s.	17	sw.	6	2	11	16	7.3	8.9	.0	0
Boise [1]	2,739	5	49	27.14	30.02	−.10	34.0	+.4	52	6	42	11	15	26	25	30	82	1.20	−.3	12	9.8	se.	31	se.	28	5	4	20	7.6	5.3	.0	0
Pocatello [1]	4,478	5	31	25.42	30.05	−.05	27.2	+.3	52	6	36	−5	15	18	33	24	81	.78	−.5	8	9.3	sw.	34	sw.	4	2	6	21	7.9	9.7	.0	0
Spokane [1]	1,929	27	42	27.96	30.03	−.06	32.5	+1.2	51	6	40	12	17	25	23	27	80	1.08	−.7	14	5.5	ne.	30	sw.	6	3	2	24	8.4	10.1	T	0
Walla Walla	991	57	65	28.97	30.04	−.07	38.4	+1.3	59	6	44	27	15	33	21	-----	-----	2.05	+.2	17	5.8	s.	20	w.	6	0	10	19	8.1	2.9	.5	0
Yakima	1,076	58	67	28.86	30.02	-----	36.7	+2.2	56	9	44	22	23	30	25	-----	-----	.46	−.6	8	4.9	nw.	20	n.	21	3	3	23	8.4	1.0	.0	0
North Pacific Coast Region							**43.4**	**+1.2**									**77**	**3.58**	**−1.9**										**7.5**			
North Head	211	5	56	29.79	30.01	−.05	44.2	+1.2	55	21	49	35	12	39	17	39	80	4.11	−3.6	19	13.3	n.	45	n.	25	3	7	19	7.5	.0	.0	0
Seattle [2]	125	90	321	29.90	30.02	−.04	43.8	+1.0	55	5	49	33	23	39	18	35	76	2.38	−1.6	16	9.5	se.	35	sw.	6	6	2	21	7.6	.0	.0	0
Tacoma	194	172	201	29.82	30.02	−.04	42.5	+1.9	54	6	47	31	23	38	19	-----	-----	3.38	−1.4	16	9.4	s.	33	n.	21	6	4	19	7.1	.3	.0	0
Tatoosh Island	86	9	61	29.92	30.01	+.01	43.4	+2.4	50	16	47	37	26	40	11	37	76	6.29	−3.4	19	15.0	e.	50	ne.	21	6	5	18	7.1	.0	.0	0
Medford [1]	1,329	29	58	28.61	30.04	-----	41.8	−.5	60	21	51	23	12	32	33	34	74	2.01	−.1	18	-----	nw.	-----	-----	-----	4	6	19	7.5	T	.0	0
Portland, Oreg. [2]	154	68	106	29.88	30.04	−.04	44.1	+2.0	58	5	50	32	20	38	22	37	81	3.82	−1.7	20	6.3	se.	21	sw.	24	3	7	19	7.4	.0	.0	0
Roseburg	510	45	76	29.50	30.04	−.06	43.8	+.4	62	5	51	28	12	36	26	37	76	3.10	−1.5	16	3.5	s.	24	sw.	27	0	9	20	8.3	.0	.0	0
Middle Pacific Coast Region							**48.6**	**−1.2**									**72**	**6.06**	**+1.0**										**6.0**			
Eureka	60	72	88	30.00	30.06	−.05	46.5	−.7	60	1	52	33	12	41	20	42	80	3.62	−3.0	19	7.9	se.	30	n.	11	7	6	16	6.7	.0	.0	0
Redding [1]	722	20	34	29.22	29.99	-----	47.4	−2.3	69	6	56	34	16	39	26	34	62	7.99	+1.2	13	8.4	nw.	27	se.	27	5	11	13	6.4	T	.0	2
Sacramento	66	92	115	29.93	29.99	−.10	49.0	−1.1	63	7	57	35	27	41	23	40	72	7.27	+4.2	13	8.8	se.	26	nw.	12	11	7	11	5.3	.0	.0	1
San Francisco [2]	155	112	132	29.84	30.00	−.10	51.6	−.6	65	6	56	42	21	47	16	42	76	5.34	+1.4	11	8.4	w.	26	w.	24	11	6	12	5.4	.0	.0	0
South Pacific Coast Region							**52.3**	**−1.3**									**68**	**4.97**	**+2.7**										**5.4**			
Fresno [1]	327	5	35	29.65	30.00	−.08	48.6	−1.7	69	2	58	29	15	39	28	40	72	2.60	+1.1	9	5.1	se.	25	se.	22	7	7	15	6.5	.0	.0	1
Los Angeles	338	223	250	29.66	30.00	−.06	53.7	−1.8	75	5	62	40	27	45	26	40	64	8.65	+5.5	13	8.2	ne.	35	se.	22	12	5	12	5.0	.0	.0	3
San Diego [1]	87	20	55	29.94	30.01	−.05	54.6	−.5	71	10	63	40	14	46	29	44	69	3.65	+1.6	14	7.5	sw.	29	se.	22	13	6	10	4.8	.0	.0	2
West Indies																																
San Juan, P. R.	82	10	54	29.97	30.09	-----	74.8	−.1	85	4	80	65	26	70	15	68	78	1.28	−1.6	11	11.3	e.	34	e.	14	12	15	2	4.5	.0	.0	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 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
Panama Canal	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.			°F.		°F	°F	°F.	%	In.	In.		Mi.								0-10	In.	In.	
Balboa Heights	118	6	92	------	[2] 29.88	+.02	80.4	+.1	91	15	90	68	26	71	22	70	[3] 72	T	−.4	0	9.3	nw.	24	n.	6	1	16	12	4.1	.0	.0	0
Cristobal	27	47	97	------	[2] 29.90	+.01	80.6	−.2	84	8	84	74	5	78	10	72	[3] 75	2.96	+1.4	10	15.8	ne.	25	ne.	4	7	18	4	5.2	.0	.0	0
Alaska																																
Bethel	28	7	31	29.69	29.73	------	18.6	+8.7	41	17	26	−32	11	11	67	17	88	3.94	+3.1	17	13.6	s.	41	sse.	20	4	5	20	8.0	14.3	13.5	0
Gambell	32	5	32	29.70	29.74	------	5.5	+2.5	33	18	12	−19	12	−1	36	4	90	1.74	+.6	20	24.0	ne.	61	ssw.	18	2	10	17	7.0	17.4	17.5	0
Ketchikan	75	69	90	29.98	30.01	------	38.6	+3.4	48	23	44	23	29	34	16	33	79	4.95	−6.2	20	6.0	ne.	33	se.	10	2	5	22	8.1	T	.0	0
Kotzebue	20	5	31	29.81	29.83	------	2.4	+6.6	35	18	11	−33	12	−6	41	2	91	.28	.0	14	----	se.	---	------	---	4	5	20	7.7	3.7	7.9	0
McGrath	331	5	31	29.46	29.86	------	12.2	------	44	15	21	−35	13	3	47	11	87	3.05	+1.3	17	----	nw.	34	sw.	20	0	3	26	8.8	38.0	35.4	0
Northway	1,718	5	32	28.11	------	------	3.4	------	42	22	15	−32	27	−8	36	2	84	.19	------	7	4.7	------	---	------	---	5	13	11	6.4	3.4	9.1	5
Anchorage [1]	132	6	44	29.77	29.92	------	25.8	+7.2	48	16	34	0	3	18	27	22	77	.47	−.2	9	6.1	ne.	43	sw.	16	3	4	22	8.2	7.4	9.0	0
Fairbanks [1]	455	4	63	29.41	29.94	------	9.4	+10.6	38	16	19	−30	27	0	39	8	82	2.10	+1.6	12	5.5	n.	46	sw.	19	2	10	17	7.7	21.4	21.7	0
Juneau [1]	80	6	21	29.95	30.04	------	29.8	------	43	17	37	11	29	23	18	28	83	1.76	------	15	7.6	e.	31	e.	10	6	6	17	7.3	7.1	.0	0
Nome	22	25	56	29.72	29.74	------	12.8	+7.2	35	18	21	−20	13	5	33	12	89	4.18	+3.4	21	13.2	ne.	56	sw.	18	3	5	21	7.9	21.2	22.1	0
Hawaiian Islands																																
Honolulu	38	86	100	29.94	29.96	------	71.5	+.7	80	4	77	62	12	66	16	----	---	2.8	−1.0	16	7.8	ne.	27	sw.	11	7	15	7	5.5	.0	.0	4

LATE REPORTS FOR JANUARY 1944

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
Alaska																																
Bethel	28	7	31	29.33	29.37	------	.6	−6.2	36	8	9	−44	28	−8	38	0	87	.39	−.5	11	10.0	ne.	---	------	---	7	8	16	6.8	4.7	16.5	0
Gambell	32	5	32	29.58	29.61	------	−2.4	−4.8	21	9	2	−23	25	−7	18	−4	90	.58	−.2	14	21.0	------	---	------	---	8	5	18	6.0	5.8	10.2	0
Ketchikan	75	69	90	29.72	29.74	------	39.6	+6.0	51	10	44	27	2	36	14	35	82	18.89	+4.9	29	9.2	se.	30	se.	11	1	1	29	9.4	5.6	.0	0
Kotzebue	20	5	31	29.57	29.59	------	−8.6	.0	27	8	−1	−43	30	−16	26	−11	86	.14	−.4	4	----	ne.	---	------	---	8	10	13	6.6	1.9	8.2	0
McGrath	331	5	31	29.09	29.49	------	−8.5	------	36	8	2	−52	29	−19	44	−9	87	.32	−.6	11	----	w.	18	ssw.	9	6	4	21	7.4	8.9	38.5	0
Northway	1,718	5	32	27.67	29.62	------	−9.9	------	16	10	−2	−44	29	−18	28	−10	90	.26	------	7	3.8	se.	30	------	23	4	5	22	7.5	2.6	10.2	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, FEBRUARY 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
Hugo, Okla	3	7:30 p. m	100	0	$100,000–$200,000	Tornado	$35,000 damage to the buildings of the Goodland Indian School; 109 homes and business houses slightly damaged or totally demolished. Unestimated damage to shade trees and timber.
Barnesville, Ga	9	a. m		0	20,000	do	3 houses demolished and considerable damage to buildings, trees, and communication lines.
South Dakota	9–10					Blowing snow	High, gusty wind, near zero temperatures and blowing snow hampered motor traffic in all sections. Numerous schools closed because of blocked highways.
Nebraska, entire State	10					Snow and wind	Stockmen and travelers appear to have been well-prepared for the storm, keeping losses at a minimum. Amount of damage not estimated.
Howell, Mich	22	p. m				Electrical	Much damage to windows and electrical installations.
San Marcos, Tex	24	5 p. m	[1] 3		5,000	Hail	Damage to buildings and gardens.
Abilene, Tex	24	6 p. m				do	Roofs of school and farm buildings damaged; estimate not given.
Hondo, Tex	24	10–11 p. m	880		2,000	do	Buildings damaged; loss in oats.
Cedar Bluffs, Nebr	25	5:10 p. m (Central War Time)	440		1,800	Tornadic wind, rain and hail.	Small buildings blown over or damaged. Cloud started as a funnel, but seemed to break with other clouds forming. From the debris it was seen that wind blew in 2 directions; length of storm, 2 miles.
Nebraska, northwest and north-central portions.	25	p. m		1		Snow and wind	Strong wind with light to heavy snow in northwestern Nebraska with very heavy snow and strong winds in north-central portion. Woman died from exposure.
Cherokee, Forsyth, and Dawson Counties, Ga.	25			0	30,000	Tornado	Many small buildings destroyed including a 6,800-chicken hatchery; 15 homes damaged.
Emhouse, Tex	28	3:30 a. m	[1] ½–3		15,000	Straight-line-wind	Damage to buildings; loss in unpicked cotton.

[1] Miles instead of yards.