CLIMATOLOGICAL DATA

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS

[For description of tables and charts, see REVIEW January 1940, p. 32]

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

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

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

Section	Temperature								Precipitation					
			Monthly extremes								Greatest monthly		Least monthly	
	Section average	Departure from the normal	Station	Highest	Date	Station	Lowest	Date	Section average	Departure from the normal	Station	Amount	Station	Amount
	°F.	°F.		°F.			°F.		In.	In.		In.		In.
Alabama	66.0	+1.2	Robertsdale	91	18	2 stations	25	27	1.99	−1.03	Melvin	4.92	Newton	T
Arizona	61.5	−.1	2 stations	104	[1] 1	Alpine	14	[1] 10	.93	+.07	McNary	6.19	2 stations	T
Arkansas	62.8	.0	5 stations	90	10	4 stations	22	26	3.19	−.01	Rogers	9.97	Crossett	1.15
California	61.4	+1.0	El Centro	107	5	Boca	11	29	.60	−.63	Crescent City (near)	3.59	21 stations	.00
Colorado	47.6	+.7	Julesburg	92	[1] 7	Aspen	−1	31	2.33	+1.14	Red Feather Lakes	6.20	Monte Vista	.03
Florida	73.1	.0	Davenport	96	2	Vernon	29	27	1.20	−2.95	Kendall	7.03	5 stations	.00
Georgia	65.0	.0	3 stations	92	[1] 23	2 stations	25	27	2.08	−.59	La Grange	5.31	2 stations	.07
Idaho	48.3	+1.2	2 stations	92	[1] 8	Blackfoot Dam	2	29	1.32	−.18	Deception Creek	7.89	Bliss	.21
Illinois	56.2	+.4	DuQuoin	89	8	Galva	15	26	1.91	−.77	Waterloo	4.27	Chester	.21
Indiana	56.0	+1.0	Tell City	90	14	2 stations	17	27	1.73	−1.08	Rochester	5.48	Scottsburg	.52
Iowa	53.1	+1.4	Ottumwa	90	8	Cresco	10	26	1.53	−.84	Grundy Center	3.70	Cherokee	.28
Kansas	57.8	+.5	2 stations	95	7	Burr Oak (near)	10	26	2.80	+.82	Pratt	6.15	Long Island	.45
Kentucky	58.7	+.3	Clermont	88	3	St. John	18	27	2.81	+.11	Pippapass	5.53	Louise	1.03
Louisiana	69.0	+.4	Camp Polk	93	2	Winnsboro	28	27	3.10	−.22	Houma	11.00	Camp Livingston	.29
Maryland-Delaware	57.9	+1.6	Great Falls, Md	89	9	Oakland, Md	14	28	6.60	+3.56	2 stations	9.85	Sines, Md	3.50
Michigan	49.3	+.5	Midland	85	4	3 stations	12	28	2.99	+.25	Jackson	5.84	Alpena	.79
Minnesota	47.4	+.9	3 stations	85	7	Meadowlands	−9	28	1.06	−.81	Pigeon River Bridge	6.42	Hallock	.07
Mississippi	66.6	+1.0	Kosciusko	92	3	3 stations	24	27	2.91	+.29	Port Gibson	6.71	Greenville	1.22
Missouri	58.0	+.3	2 stations	90	[1] 2	Grant City	13	26	2.97	.00	Seligman	8.20	Kahoka	.62
Montana	46.6	+1.6	Garland	93	10	Adel (near)	−2	25	1.01	−.06	Heron	3.25	Telegraph Creek	.12
Nebraska	52.7	+1.0	Culbertson	95	7	Nenzel (near)	9	[1] 25	.86	−.60	Haigler	3.10	2 stations	.00
Nevada	53.6	+3.0	Sulphur	103	19	Geyser	1	29	.43	−.19	Lamoille (near)	2.00	3 stations	.00
New England	50.8	+1.3	Weston, Mass	85	9	3 stations	18	[1] 16	3.12	−.37	Plainfield, Mass	5.88	Orono, Maine	1.01
New Jersey	56.1	+1.5	2 stations	87	[1] 8	Belleplain	21	28	3.43	−.18	Atlantic City	6.59	Sandy Hook	2.25
New Mexico	53.2	−.6	do	93	[1] 1	Eagle Nest	10	31	1.72	+.55	Clovis	6.72	Bernardo	T
New York	52.0	+2.0	do	83	9	2 stations	20	27	3.32	+.03	Jeffersonville	5.65	Ogdensburg	1.14
North Carolina	61.0	+.9	Goldsboro	88	5	Mount Mitchell	9	27	4.61	+1.30	Hatteras	19.18	Lenoir	1.21
North Dakota	46.5	+2.5	Fort Yates	90	10	2 stations	−3	25	.46	−.55	Milnor	1.81	Kenmare	T
Ohio	55.3	+1.7	3 stations	86	[1] 3	McArthur	17	27	2.03	−.52	Jefferson	5.44	Washington, C. H.	.88
Oklahoma	61.7	−.9	2 stations	92	[1] 1	Jay	21	26	3.87	+.80	Watts	8.34	2 stations	1.59
Oregon	51.5	+1.8	3 stations	92	[1] 1	Harney Branch	8	28	1.38	−.53	Timberline Lodge	10.72	Fremont	T
Pennsylvania	53.9	+1.3	Phoenixville	88	9	2 stations	15	[1] 27	4.50	+1.27	Glencoe	8.85	Pottstown	1.93
South Carolina	64.8	+1.0	Ridgeland	91	24	do	27	27	1.72	−1.16	Chappells	5.48	Charleston	.01
South Dakota	49.7	+1.0	Kennebec	95	7	Pollock	−2	26	.76	−.41	Harveys Ranch	2.88	Geddes	.05
Tennessee	60.6	+.8	Moscow	89	[1] 3	Rugby	19	27	3.04	+.19	Cedar Hill	5.17	Morgan Springs	1.31
Texas	66.9	−.8	2 stations	99	[1] 1	Socorro	25	31	3.46	+.70	Eastland	10.28	Eagle Pass	.18
Utah	50.9	+1.8	St. George	94	5	Woodruff	−7	29	.94	−.21	Great Basin Expt. Sta.	2.15	Delta	.15
Virginia	58.7	+1.2	Chatham	88	10	Mountain Lake	17	27	6.34	+3.33	Riverton	17.82	Floyd	2.10
Washington	51.7	+1.6	Wahluke (near)	90	6	Chewelah	11	24	2.82	−.27	Higley Peak	16.13	White Swan	T
West Virginia	55.8	+1.1	3 stations	87	3	Thornwood	11	28	4.04	+1.18	Inwood	11.81	Hogsett (D. 26, O. R.)	1.02
Wisconsin	48.8	+.5	Wisconsin Dells	85	8	Long Lake	9	28	1.89	−.58	Wausau	3.72	Amery	.60
Wyoming	45.0	+1.3	Worland	88	10	Sage	−10	29	1.79	+.71	Hecla	4.86	Kemmerer	.27
Alaska (September)	49.0	+4.9	Skagway	82	2	Puntilla	12	16	4.62	+1.05	Latouche	20.29	Tanacross	.29
Hawaii	75.3	+1.2	Waianae	94	4	Volcano Observatory.	49	28	.90	+.38	Kukui	28.00	Hukipo	T
Puerto Rico	78.8	+.9	2 stations	96	2	Guineo Reservoir	57	26	8.75	+.75	Lares	20.41	Culebra Island	2.32

[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, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	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 wet thermometer	Mean temperature of the dewpoint	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.	° F.	%	In.	In.		Miles								0-10	In.	In.	
New England							**51.7**	**+1.5**										**82**	**3.01**	**−0.3**										**5.2**			
Eastport	75	67	85	29.99	30.07	+0.07	49.2	+1.7	64	15	55	35	17	43	21	46	44	88	2.79	−.8	8	9.5	w.	29	s.	6	14	7	10	4.6	0.0	0.0	1
Greenville, Maine	1,070	6	41	28.89	30.07	----	45.6	+.7	72	9	58	22	17	33	45	40	39	---	2.25	−1.4	11	----	nw.	---	----	---	9	11	11	---	.0	.0	2
Portland, Maine [1]	103	5	36	29.95	30.06	+.02	49.2	----	79	9	61	25	29	37	35	44	41	84	2.55	−.6	8	8.1	s.	24	s.	6	16	7	8	4.5	.0	.0	1
Concord [1]	289	4	45	29.76	30.08	+.03	50.0	+.3	79	9	64	20	29	36	41	43	41	83	2.23	−.6	10	5.9	se.	20	nw.	18	8	14	9	5.1	T	.0	1
Burlington [2]	403	11	48	29.59	30.04	.00	49.3	+.1	69	5	59	30	3	40	31	44	40	78	3.21	+.2	7	9.6	s.	34	s.	30	8	13	10	5.5	T	.0	1
Northfield	876	12	60	----	30.08	+.04	47.8	+2.3	73	9	61	23	3	35	---	---	---	---	3.29	+.4	7	7.2	s.	22	s.	30	11	10	10	---	T	.0	1
Boston [1]	124	33	62	29.94	30.07	+.02	55.8	----	82	9	64	36	28	48	27	49	45	74	2.78	−.4	10	10.2	sw.	33	ne.	18	8	13	10	5.6	.0	.0	0
Nantucket	12	10	63	30.06	30.08	+.03	55.8	+1.6	70	31	61	41	27	51	17	52	49	85	3.70	+.3	7	11.3	ne.	35	ne.	18	12	5	14	5.5	.0	.0	2
Block Island	26	11	46	30.05	30.08	+.03	56.0	+1.1	67	9	61	40	27	51	17	52	49	80	3.60	.0	9	15.0	e.	38	n.	18	14	9	8	4.4	.0	.0	3
Providence [2]	159	46	60	29.92	30.09	+.04	55.8	+3.6	83	9	65	33	29	47	30	49	46	84	3.09	.0	8	7.6	n.	23	ne.	18	9	10	12	5.8	.0	.0	1
Hartford [1]	159	5	44	29.90	30.07	+.01	54.2	----	82	9	66	29	29	43	34	48	45	82	2.80	−.7	7	7.4	sw.	26	nw.	26	9	10	12	5.9	.0	.0	0
New Haven [2]	107	74	153	29.97	30.08	+.02	55.8	+2.0	79	9	65	35	28	47	26	50	47	82	3.89	+.2	8	8.3	n.	23	s.	26	10	12	9	5.1	.0	.0	0
Middle Atlantic States							**58.5**	**+2.1**										**79**	**4.94**	**+2.0**										**5.6**			
Albany [1]	97	26	40	29.95	30.06	.00	51.4	+2.1	74	15	62	28	29	41	38	45	41	77	2.85	+.4	9	8.1	s.	27	s.	30	7	14	10	5.7	T	.0	0
Binghamton	871	57	79	29.13	30.07	+.01	53.0	+3.0	74	8	63	31	27	43	37	47	43	77	3.06	+.1	12	5.3	e.	17	s.	6	7	9	15	6.5	.6	.0	1
New York	314	415	454	29.73	30.06	.00	58.8	+2.5	80	9	66	36	27	52	24	52	47	70	1.91	−1.6	9	12.1	ne.	39	nw.	26	13	7	11	5.1	.0	.0	0
Harrisburg [1]	374	30	49	29.66	30.06	−.02	57.0	+2.2	83	9	66	29	28	47	35	50	47	78	4.40	+1.5	9	7.1	se.	26	s.	21	9	8	14	6.2	.0	.0	0
Philadelphia [2]	114	174	367	29.95	30.07	.00	59.0	+1.2	82	9	66	36	27	52	26	52	49	81	3.40	+.6	9	11.7	ne.	29	ne.	12	10	8	13	5.2	.0	.0	0
Reading	323	47	306	29.72	30.08	----	57.2	+1.7	82	9	66	32	28	48	32	---	---	---	3.22	+.1	10	9.6	e.	28	se.	26	11	7	13	5.7	.0	.0	0
Scranton	805	72	104	29.20	30.06	−.01	54.2	+2.3	74	8	64	32	27	45	35	---	---	---	4.56	+1.5	9	5.6	n.	19	n.	18	9	10	12	5.8	T	.0	0
Atlantic City	52	37	172	30.00	30.06	−.01	59.8	+2.9	76	9	65	36	28	54	20	55	53	81	6.59	+3.4	12	16.1	ne.	42	ne.	12	10	9	12	5.3	.0	.0	1
Trenton	190	89	107	29.86	30.06	----	57.2	+1.6	83	9	66	35	28	49	32	51	48	80	3.51	+.7	10	8.0	s.	24	nw.	26	10	7	14	5.5	.0	.0	0
Baltimore [2]	123	100	215	29.92	30.06	−.02	60.7	+2.5	86	9	68	35	27	53	28	54	50	75	7.75	+4.9	11	10.0	ne.	31	sw.	27	13	5	13	5.4	.0	.0	2
Washington [1]	112	62	85	29.93	30.06	−.02	60.3	+2.9	81	9	69	31	28	52	30	54	51	78	8.18	+5.5	12	6.8	ne.	24	w.	6	14	5	12	5.1	.0	.0	3
Cape Henry	18	8	54	30.01	30.03	----	63.2	+1.1	82	23	70	38	29	60	25	59	56	81	4.33	+1.3	9	12.4	ne.	46	ne.	11	12	6	13	5.5	.0	.0	1
Lynchburg	686	144	184	29.32	30.05	−.04	60.4	+1.9	85	9	70	31	28	50	40	53	50	78	7.02	+3.9	10	6.5	nw.	26	ne.	12	12	6	13	5.4	.0	.0	3
Norfolk [2]	91	80	125	29.94	30.04	−.03	64.6	+2.1	82	9	71	41	27	58	24	57	56	88	5.87	+2.8	10	9.3	ne.	32	e.	12	11	5	15	5.7	.0	.0	3
Richmond [2]	144	11	52	29.87	30.02	−.06	61.2	+1.6	81	9	70	32	28	52	33	56	54	86	7.38	+4.5	12	6.9	sw.	20	ne.	12	13	4	14	5.5	.0	.0	2
South Atlantic States							**65.8**	**+1.7**										**80**	**3.60**	**+0.3**										**4.4**			
Asheville	2,253	89	104	27.74	30.08	−.01	57.5	+2.2	78	2	68	29	27	47	36	50	48	81	1.72	−1.0	8	7.2	nw.	23	nw.	26	10	8	13	5.6	.0	.0	0
Charlotte [2]	779	63	86	29.22	30.05	−.03	63.4	+1.7	82	9	73	35	27	54	31	55	52	80	2.13	−.8	7	6.2	n.	22	sw.	22	12	10	9	4.6	.0	.0	1
Greensboro [1]	886	6	56	29.12	30.06	----	60.0	----	82	9	71	29	27	49	41	53	51	83	4.27	----	9	7.8	ne.	28	ne.	12	13	6	12	5.3	.0	.0	0
Hatteras	11	5	50	30.00	30.00	−.06	67.4	+1.5	79	15	72	47	27	63	21	63	61	85	19.18	+14.2	14	11.6	ne.	33	ne.	11	11	9	11	5.5	.0	.0	5
Raleigh [1]	376	27	69	29.64	30.04	−.03	62.5	+1.7	82	9	73	34	27	52	34	56	54	84	6.26	+3.4	9	7.4	ne.	31	ne.	12	12	7	12	5.1	.0	.0	2
Wilmington	72	73	107	29.95	30.02	−.04	66.8	+1.5	80	9	76	41	27	58	25	60	57	79	5.17	+1.9	10	8.2	n.	25	nw.	11	17	5	9	4.0	.0	.0	2
Charleston [2]	48	11	92	29.97	30.02	−.04	69.4	+1.6	85	16	78	48	27	61	22	60	58	87	.01	−3.3	1	9.9	n.	22	e.	28	20	7	4	3.2	.0	.0	0
Columbia, S. C. [2]	347	70	91	29.66	30.03	−.04	66.1	+1.8	83	15	77	39	27	55	36	58	55	82	1.01	−1.6	6	7.4	n.	25	sw.	22	16	8	7	3.8	.0	.0	1
Greenville, S. C. [1]	1,040	70	78	28.94	30.04	----	62.8	+2.6	81	17	73	35	27	53	34	55	51	73	2.37	−.8	11	8.3	ne.	24	n.	6	12	9	10	4.9	.0	.0	2
Augusta [2]	182	62	77	29.84	30.03	−.04	66.6	+1.3	86	2	79	37	27	55	35	58	52	67	.58	−1.9	5	5.1	nw.	25	sw.	22	15	7	9	4.1	.0	.0	1
Savannah [2]	65	73	152	29.95	30.02	−.03	70.3	+2.4	87	16	81	44	27	59	29	61	58	80	.46	−2.5	3	8.8	n.	26	ne.	28	19	10	2	3.0	.0	.0	3
Jacksonville [2]	43	86	110	29.97	30.01	−.01	71.2	+.1	86	18	80	44	27	62	25	64	61	83	.68	−3.8	4	6.9	ne.	19	ne.	9	18	10	3	3.6	.0	.0	1
Florida Peninsula							**77.7**	**+0.9**										**81**	**2.08**	**−3.8**										**3.3**			
Key West [2]	21	10	64	29.92	29.94	.00	79.8	+.7	87	3	85	70	31	75	15	73	70	78	.95	−5.0	9	8.4	ne.	21	ne.	2	25	5	1	2.5	.0	.0	1
Miami [2]	25	124	168	29.92	29.95	−.02	78.0	+1.0	86	7	84	65	28	72	19	70	68	86	5.27	−3.2	16	8.4	ne.	26	ne.	1	10	12	9	5.1	.0	.0	3
Tampa [1]	35	5	61	29.95	29.98	.00	75.4	+1.1	88	25	85	56	28	66	26	66	64	78	.03	−3.1	2	9.5	n.	25	ne.	8	23	8	0	2.3	.0	.0	0
East Gulf States							**67.8**	**+1.1**										**80**	**2.27**	**−0.6**										**4.0**			
Atlanta [1]	1,173	5	72	28.82	30.04	−.03	63.6	+.9	83	2	74	33	27	53	31	56	53	78	3.86	+1.2	9	8.1	nw.	32	nw.	26	13	9	9	4.4	.0	.0	4
Macon [2]	370	79	87	29.64	30.03	−.03	65.6	+1.1	85	20	78	35	27	54	34	57	54	75	.89	−1.4	7	6.1	n.	21	w.	5	16	7	8	4.0	.0	.0	1
Thomasville	273	49	58	29.75	30.05	+.01	68.8	+.6	86	20	82	37	27	56	42	---	---	---	.49	−2.5	5	----	----	---	----	---	15	12	4	---	.0	.0	0
Apalachicola	35	11	51	29.97	30.00	----	71.2	+.6	85	5	80	44	27	62	24	64	61	79	.40	−2.8	3	7.7	n.	29	se.	30	21	8	2	2.7	.0	.0	2
Pensacola	56	54	79	29.96	30.02	−.01	71.2	+1.3	86	17	80	39	27	62	29	64	60	75	1.71	−2.5	5	7.3	ne.	21	se.	30	22	6	3	3.0	.0	.0	1
Anniston	741	9	----	----	----	----	62.6	+.2	83	2	75	29	27	50	36	---	---	---	2.80	+.2	6	----	se.	---	----	---	12	12	7	---	.0	.0	2
Birmingham [2]	700	11	48	29.31	30.05	−.02	65.1	+.3	83	3	76	32	27	54	30	56	54	84	1.40	−1.0	9	6.2	n.	24	se.	30	16	5	10	4.1	.0	.0	2
Mobile [2]	57	6	30	29.97	30.03	−.01	70.1	+.8	86	3	80	40	27	60	29	62	59	81	3.18	−.4	7	5.9	n.	24	n.	26	8	17	6	4.7	.0	.0	3
Montgomery [2]	218	92	105	29.80	30.03	−.03	68.2	+1.6	86	2	78	38	27	58	28	58	56	81	1.77	−.7	8	6.3	n.	21	n.	26	16	7	8	3.9	.0	.0	1
Meridian [2]	375	67	92	29.64	30.04	−.02	66.0	+1.7	88	17	78	31	27	54	34	58	56	84	2.78	+.4	8	5.1	ne.	20	sw.	22	14	6	11	4.6	.0	.0	1
Vicksburg [2]	247	82	102	29.76	30.02	−.04	68.1	+1.4	87	18	78	40	27	58	28	55	54	86	3.73	+1.0	5	7.5	n.	24	s.	30	12	11	8	4.5	.0	.0	2
New Orleans [2]	53	76	84	29.96	30.01	−.02	73.6	+2.6	88	18	81	47	27	66	19	65	62	76	4.22	+.9	6	6.2	se.	18	n.	26	16	11	4	3.6	.0	.0	3
West Gulf States							**68.7**	**+1.1**										**76**	**3.98**	**+0.9**										**5.0**			
Shreveport [1]	249	92	227	29.75	30.01	−.04	66.8	+1.2	87	17	79	35	27	54	37	58	55	75	1.34	−1.4	4	7.4	se.	29	s.	29	14	5	12	4.7	.0	.0	1
Bentonville	1,303	12	51	28.68	30.05	.00	59.1	+1.1	81	9	71	25	26	48	35	---	---	---	7.62	+4.0	7	5.5	s.	26	sw.	29	11	15	5	---	.0	.0	2
Fort Smith	463	57	82	29.52	30.00	−.05	63.6	+.8	84	10	74	32	26	53	34	55	49	68	5.18	+2.2	9	5.6	e.	21	w.	30	14	5	12	5.0	.0	.0	3
Little Rock [1]	357	----	----	29.65	30.03	−.03	63.8	+.2	85	3	77	31	27	51	39	55	51	74	3.34	+.6	6	6.4	sw.	30	s.	29	15	8	8	4.5	.0	.0	1
Austin [2]	605	68	90	29.36	30.00	----	68.3	.0	87	22	78	45	26	58	34	62	59	80	5.14	+2.0	10	7.5	n.	28	n.	25	10	10	11	5.4	.0	.0	5
Brownsville [2]	57	88	96	29.87	29.93	----	77.4	+2.5	91	1	86	62	31	69	27	70	68	82	.61	−3.0	9	8.9	se.	27	s.	29	4	15	12	6.2	.0	.0	4
Corpus Christi [2]	20	11	78	29.94	29.97	−.03	75.8	+2.6	89	22	82	58	26	69	23	68	66	81	1.59	−.9	9	10.0	s.	28	s.	29	9	11	11	5.6	.0	.0	3
Dallas [1]	512	6	46	29.46	30.00	----	65.2	----	86	11	76	37	26	54	34	58	53	72	6.42	+3.7	6	8.3	se.	38	s.	29	11	7	13	5.5	.0	.0	4
Fort Worth [1]	679	35	56	29.30	30.01	−.02	65.4	−.3	86	12	76	37	26	55	30	58	54	74	6.18	+3.4	8	9.2	se.	50	w.	14	9	10	12	5.5	.0	.0	6
Galveston [2]	54	106	114	29.93	29.99	−.04	74.3	+1.6	84	11	79	60	26	70	17	68	66	81	2.82	−1.5	5	9.0	se.	27	sw.	22	18	8	5	3.5	.0	.0	1
Houston [2]	138	157	190	29.85	30.00	----	72.3	+2.0	90	25	82	49	27	63	25	64	61	81	1.50	−2.2	6	9.2	se.	30	se.	29	10	15	6	4.8	.0	.0	4
Palestine	510	64	72	29.49	30.02	−.01	67.6	+.4	86	22	78	42	27	57	30	59	54	69	1.28	−2.0	7	6.2	n.	24	s.	30	17	8	6	4.0	.0	.0	1
Port Arthur	34	59	134	29.97	30.00	----	72.6	----	87	4	81	54	27	64	25	65	62	78	3.18	−.2	6	10.7	s.	36	sw.	22	16	8	7	4.2	.0	.0	3
San Antonio [1]	693	28	59	29.27	29.99	−.02	69.6	+.9	88	3	80	48	31	59	36	62	59	76	9.56	+7.3	9	6.8	n.	27	ne.	26	9	12	10	5.5	.0	.0	3
Ohio Valley and Tennessee							**58.1**	**+1.3**									**77**		**2.42**	**−0.2**										**5.4**			
Chattanooga [1]	762	21	54	29.24	30.06	−.03	60.4	+2.7	83	4	74	26	27	47	38	53	51	82	2.18	−.8	9	5.2	s.	23	n.	26	15	6	10	4.4	.0	.0	3
Knoxville [2]	995	66	84	29.01	30.06	−.03	60.0	+.1	83	3	72	29	27	48	39	52	49	78	3.12	+.5	8	6.1	ne.	27	sw.	22	11	13	7	4.8	.0	.0	3
Memphis [2]	399	78	86	29.60	30.02	−.05	63.2	−.1	87	3	76	33	27	50	37	54	50	75	3.54	+.9	6	6.9	e.	25	n.	25	19	8	4	3.2	.0	.0	2
Nashville [1]	546	5	72	29.46	30.04	−.04	61.4	----	85	3	74	27	27	48	36	52	48	72	3.05	+.6	11	5.8	s.	29	s.	30	13	11	7	4.4	.0	.0	2
Lexington	989	6	----	28.99	30.07	−.01	58.0	+.6	84	3	70	25	27	46	33	---	---	---	3.54	+1.0	14	----	----	---	----	---	11	9	11	5.4	T	.0	2
Louisville [2]	525	106	120	29.47	30.03	−.05	59.1	−.2	84	3	68	28	26	50	35	51	47	77	1.80	−.8	8	7.6	sw.	33	sw.	30	8	11	12	6.0	T	.0	1
Evansville [1]	431	5	38	29.57	30.03	−.05	57.4	+.4	84	9	70	24	26	45	39	49	44	70	1.45	−1.4	6	7.1	s.	33	s.	30	9	12	10	5.4	T	.0	1
Indianapolis [2]	823	98	129	29.14	30.02	−.05	57.2	+1.5	83	8	67	24	26	47	33	48	44	77	1.11	−1.7	7	7.4	s.	25	s.	30	11	7	13	5.5	.0	.0	0
Terre Haute [2]	575	68	149	29.41	30.03	----	57.7	----	84	8	68	24	26	47	32	48	44	76	1.88	−.8	8	8.8	sw.	31	se.	30	9	13	9	5.2	T	.0	1

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, reduced to mean of 24 hours	Pressure: Sea level, reduced to means of 24 hours	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 wet thermometer	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
Ohio Valley and Tennessee—Con.	Ft.	In.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.	
Cincinnati [2]	627	11	51	29.37	30.04	−.04	57.3	+1.6	84	3	68	25	27	47	35	50	47	80	1.68	−.8	10	6.8	sw.	22	sw.	30	7	11	13	6.2	0.0	0.0	2
Columbus [3]	822	90	110	29.16	30.04	0.04	57.4	+2.2	82	3	67	25	27	48	33	49	45	77	1.06	−0.4	6	8.8	s.	37	s.	30	11	5	15	5.8	T	.0	1
Dayton [2]	900	186	213	29.07	30.03	-----	56.6	+1.6	81	3	66	25	27	48	34	48	44	78	1.86	−.7	9	9.5	sw.	38	s.	30	11	6	14	5.5	.0	.0	3
Elkins [2]	1,947	61	78	28.02	30.08	−.02	54.6	+2.3	80	3	66	21	28	43	40	46	44	85	3.45	+.5	15	5.2	se.	27	w.	5	7	5	19	6.9	T	.0	1
Parkersburg	637	77	84	29.36	30.05	−.03	58.4	+2.3	82	8	69	28	28	48	36	51	47	77	2.66	+.2	10	4.8	se.	20	nw.	26	10	8	13	5.4	T	.0	1
Pittsburgh [1]	842	39	54	29.14	30.04	−.04	55.6	+1.5	78	8	64	25	27	47	34	49	45	75	3.91	+1.4	11	9.9	s.	31	nw.	5	7	8	16	6.4	T	.0	1
Lower Lake Region							53.2	+1.7										78	2.83	0.0										6.0			
Buffalo [2]	768	243	280	29.19	30.02	−.03	53.2	+1.3	75	3	60	31	27	46	28	47	43	77	3.12	−.2	16	15.2	s.	47	sw.	22	10	4	17	6.3	T	.0	0
Canton	448	10	61	29.53	30.01	-----	50.0	+2.8	71	21	61	27	3	40	37	44	41	78	1.99	−1.0	11	8.2	sw.	26	sw.	8	8	7	16	6.3	5.4	.0	0
Ithaca	836	77	100	-----	-----	-----	53.2	+2.1	74	8	62	29	27	44	36	-----	-----	-----	2.90	−.1	12	8.1	nw.	25	se.	30	7	10	14	6.3	1.1	.0	2
Oswego	335	71	85	29.65	30.03	−.02	52.8	+1.6	75	8	60	31	27	46	31	47	43	72	3.35	+.1	12	9.3	se.	22	se.	30	10	15	6	5.3	T	.0	0
Rochester [1]	523	5	69	-----	30.03	−.02	52.4	+2.9	79	8	62	29	27	43	-----	46	43	78	3.23	+.6	9	8.6	w.	34	sw.	27	9	7	15	-----	T	.0	0
Syracuse [1]	596	5	51	29.38	30.03	−.03	52.1	+2.6	75	8	63	31	27	42	38	46	43	80	2.99	+.2	11	9.1	sw.	34	se.	30	8	8	15	6.1	1.5	.0	0
Erie [2]	714	57	81	29.25	30.02	−.03	54.9	+1.5	79	8	62	27	27	48	29	48	45	84	4.36	+.7	15	8.1	sw.	22	sw.	22	6	6	19	7.3	1.0	.0	0
Cleveland [1]	762	27	54	29.19	30.02	−.04	54.7	+2.0	81	8	64	25	27	46	34	48	44	77	2.81	.0	9	10.1	sw.	33	sw.	21	9	8	14	6.2	T	.0	2
Sandusky	629	5	67	-----	-----	-----	55.4	+1.1	83	3	64	26	27	47	33	-----	-----	-----	1.48	−1.0	10	8.8	sw.	31	sw.	30	12	5	14	5.6	T	.0	1
Toledo [2]	628	79	87	29.33	30.02	−.03	54.0	+.6	82	8	62	28	26	46	30	47	44	82	2.21	−.2	11	8.6	w.	26	w.	27	15	2	14	4.9	.0	.0	1
Fort Wayne [1]	857	69	84	29.09	30.02	-----	53.0	+.3	81	8	63	21	26	43	34	46	43	80	1.93	−.7	11	7.6	w.	28	s.	30	10	8	13	6.0	.0	.0	2
Detroit [1]	730	5	78	29.22	30.02	−.03	53.4	+1.5	81	8	62	30	26	45	29	47	43	75	4.00	+1.6	12	9.3	sw.	33	se.	30	10	7	14	5.9	T	.0	4
Upper Lake Region							49.2	+1.2										79	2.15	−0.5										5.5			
Alpena	609	5	89	29.30	29.97	−.06	48.0	+.9	79	8	57	27	28	39	32	43	40	80	.79	−1.9	10	10.6	sw.	27	nw.	27	9	11	11	5.9	T	.0	1
Escanaba	612	51	72	29.28	29.95	−.06	47.6	+1.6	74	8	56	22	28	39	26	43	40	78	3.09	+.5	9	9.9	s.	36	s.	25	9	11	11	5.7	.5	.0	1
Grand Rapids [2]	707	70	244	29.21	29.98	−.06	52.6	+1.4	77	3	61	31	26	44	30	45	42	82	2.83	.0	12	11.0	sw.	44	sw.	30	12	6	13	5.7	T	.0	2
Lansing [2]	878	5	90	29.05	30.00	-----	50.6	+.3	78	8	60	28	28	42	33	45	42	80	3.36	+.9	13	8.2	sw.	32	s.	30	10	8	13	5.7	T	.0	2
Marquette	734	44	73	29.11	29.92	−.09	48.1	+1.4	77	20	56	21	26	40	31	42	38	75	2.55	−.2	9	8.2	w.	30	sw.	7	12	8	11	5.4	2.0	.0	0
Sault Sainte Marie [1]	614	11	43	29.26	29.94	−.07	46.0	+1.4	69	15	55	25	26	37	31	41	39	86	2.68	−.4	11	10.6	e	37	s	30	9	8	14	6.1	5.3	.0	3
Chicago [1]	673	-----	-----	29.27	30.00	−.04	53.3	+.8	83	8	63	22	26	43	33	46	43	76	1.44	−1.1	9	9.3	w	32	w	30	12	7	12	5.2	T	.0	1
Green Bay	617	109	141	29.29	29.97	−.05	49.8	+1.3	75	8	59	21	26	40	30	43	39	72	1.24	−1.3	7	10.0	w	29	w	3	12	8	11	5.3	T	.0	0
Milwaukee [1]	681	33	66	29.25	29.99	−.04	50.3	+.8	76	8	59	21	26	42	30	45	42	79	2.44	+.1	11	11.9	w.	48	sw.	30	13	6	12	5.2	T	.0	5
Duluth	1,133	5	47	28.71	29.94	−.06	46.2	+2.1	74	7	54	17	26	38	33	38	35	80	1.04	−1.3	6	12.5	nw.	35	nw.	25	14	7	10	4.8	2.2	.0	2
North Dakota							46.8	+3.3										69	0.55	−0.6										4.9			
Fargo [1]	940	5	43	28.93	29.96	−.04	47.2	+2.7	83	7	59	15	25	35	41	40	36	73	.81	−.9	7	11.3	nw.	41	nw.	20	12	9	10	4.9	2.2	T	0
Bismarck [1]	1,677	4	41	28.18	29.99	.00	47.1	+3.5	85	11	60	6	25	34	42	40	35	72	.71	−.2	5	9.9	nw.	42	nw.	20	13	7	11	5.0	1.5	.0	0
Devils Lake	1,478	11	44	28.36	29.95	−.04	46.3	+3.9	80	10	58	10	25	34	40	39	34	70	.23	−1.0	7	8.7	nw.	29	nw.	20	10	10	11	5.4	.7	.0	0
Lemmon, S. Dak	2,602	4	38	27.26	30.00	-----	47.0	-----	85	10	60	8	25	34	42	40	33	66	.29	-----	4	-----	nw.	-----	-----	-----	9	5	17	-----	-----	.0	0
Grand Forks	832	11	71	29.04	29.96	-----	46.2	-----	84	7	59	10	27	33	46	39	34	-----	.09	-----	2	-----	nw.	-----	-----	-----	12	8	11	-----	T	.0	0
Williston	1,878	42	50	27.99	29.99	+.01	46.4	+3.0	87	10	58	10	25	35	47	39	33	66	.45	−.4	5	7.6	nw.	30	nw.	20	15	9	7	4.2	2.9	T	0
Upper Mississippi Valley							55.0	+1.4										71	1.85	−0.6										4.6			
Minneapolis-St. Paul, Minn. [1]	919	32	61	28.96	29.96	−.05	50.3	-----	78	2	60	18	26	40	35	42	38	71	.78	−1.3	6	9.4	w.	34	w.	25	15	5	11	4.5	.3	.0	2
Springfield, Minn	1,025	4	42	28.87	29.98	-----	49.7	-----	84	7	61	17	27	38	43	42	36	68	.34	-----	5	-----	nw.	-----	-----	-----	16	6	9	-----	T	.0	2
La Crosse [2]	714	11	48	29.19	29.97	−.05	51.1	+.8	75	8	62	20	26	40	32	43	38	75	2.71	+.4	8	4.8	w.	17	w..	25	17	5	9	4.0	T	.0	1
Madison [2]	974	70	78	28.93	29.99	−.04	51.6	+1.3	77	2	61	18	26	43	27	44	40	76	1.24	−1.2	9	7.9	w.	25	se	30	15	4	12	4.9	T	.0	3
Charles City	1,015	10	51	28.91	30.00	−.02	50.7	+2.1	80	1	62	17	26	39	38	43	38	73	2.63	+.3	8	5.8	nw.	21	w.	25	17	8	6	3.7	T	.0	2
Davenport [2]	606	66	161	29.35	30.02	−.02	55.4	+1.7	85	8	66	20	26	45	34	46	41	73	.79	−1.6	8	8.6	w.	24	sw.	30	11	10	10	5.1	T	.0	3
Des Moines [2]	860	5	99	28.96	30.00	−.03	55.2	+1.8	84	2	67	21	26	44	39	46	-----	67	2.50	.0	7	8.5	nw.	27	nw.	23	18	7	6	-----	T	.0	1
Dubuque	699	60	79	29.24	29.99	−.05	52.8	+.9	79	2	63	18	26	42	32	45	40	69	2.50	.0	9	5.3	nw.	18	nw.	21	12	8	11	5.0	T	.0	4
Burlington, Iowa	702	6	35	29.24	30.00	−.05	54.6	−.2	83	8	67	18	26	42	37	46	41	71	.79	−1.9	8	8.0	s.	34	s.	29	13	11	7	4.5	T	.0	2
Cairo	358	87	93	29.65	30.03	−.04	61.6	+1.2	83	2	72	31	26	51	31	-----	-----	-----	1.96	−.8	9	6.9	n.	32	s.	30	12	10	9	4.8	.0	.0	1
Peoria [2]	609	11	45	29.37	30.02	−.03	55.2	+3.2	83	8	67	21	26	44	35	47	44	76	.96	−1.3	8	4.7	w.	20	s.	28	15	7	9	4.6	.0	.0	1
Springfield, Ill [2]	636	5	191	29.33	30.02	−.03	57.4	+1.6	84	2	67	24	26	48	35	47	43	76	3.07	+.5	8	10.5	w.	31	s.	30	11	10	10	5.2	T	.0	1
St. Louis [4]	568	179	303	29.41	30.02	−.04	60.0	+1.2	84	1	69	27	26	51	31	51	44	61	2.30	−.4	6	11.0	sw.	38	sw.	30	14	8	9	4.5	.0	.0	2
Missouri Valley							54.8	+1.8										70	1.65	−0.6										4.2			
Columbia, Mo. [2]	784	6	66	29.17	30.01	−.04	57.7	+1.1	83	7	69	24	26	47	32	49	45	73	1.43	−1.2	9	6.4	w.	24	nw.	22	14	9	8	4.6	.0	.0	0
Kansas City [1]	963	38	76	28.98	30.01	−.03	59.0	-----	85	9	69	27	26	49	32	51	46	69	2.68	−.2	5	8.9	sw.	33	sw.	21	15	7	9	4.1	.0	.0	1
St. Joseph [2]	967	11	49	28.98	30.01	-----	57.8	+1.8	89	2	69	23	26	47	32	49	45	76	1.74	−1.2	6	7.8	e.	22	nw.	25	19	5	7	3.7	.0	.0	0
Springfield, Mo. [1]	1,324	5	60	28.63	30.03	−.02	57.6	-----	82	2	69	21	26	46	33	50	46	74	3.68	+.6	8	8.9	se.	30	se.	28	13	7	11	4.8	T	.0	2
Topeka	987	65	87	28.96	30.01	-----	59.3	+2.3	85	2	70	25	26	48	34	51	46	70	2.75	−.3	8	7.4	s.	25	s.	29	16	9	6	3.9	.0	.0	0
Lincoln [2]	1,189	11	81	28.72	29.99	−.04	56.0	+1.8	87	2	68	20	26	44	35	46	41	66	.76	−1.1	6	8.3	s.	27	nw.	22	18	7	6	3.8	.0	.0	1
Omaha [1]	1,105	31	44	28.82	30.00	−.03	55.4	+2.0	84	2	67	21	26	44	37	46	40	66	1.01	−1.2	5	9.5	nw.	31	nw.	24	15	7	9	4.4	.0	.0	1
Valentine	2,598	46	54	27.28	30.02	−.01	50.2	+.9	91	7	64	14	26	36	45	41	33	60	.59	−.5	4	8.7	w.	33	nw.	24	11	9	11	5.1	T	.0	2
Sioux City [1]	1,138	5	27	28.78	30.00	−.02	52.6	+2.9	85	7	65	17	26	40	41	44	37	65	.58	−1.2	6	9.2	nw.	38	nw.	22	18	6	7	3.9	T	.0	1
Huron [1]	1,301	5	41	28.60	30.01	.00	49.2	+1.5	88	7	62	13	26	37	41	42	38	76	1.30	.0	6	10.8	nw.	40	w.	24	16	7	8	4.2	T	.0	2
Northern Slope							48.6	+2.8										64	1.53	+0.5										5.5			
Billings [1]	3,570	18	39	26.35	30.02	-----	50.8	+2.8	84	9	62	22	24	39	37	42	34	58	1.20	-----	6	12.0	sw.	50	nw.	24	8	13	10	5.4	.6	.0	0
Havre	2,507	11	67	27.36	30.00	+.02	48.0	+3.5	88	10	61	13	24	35	48	40	31	58	1.36	+.7	9	9.3	sw.	31	nw.	24	7	13	11	5.7	2.3	.0	1
Helena [1]	4,124	5	35	25.85	30.08	+.05	46.7	+2.9	84	9	59	13	25	34	50	39	32	60	.58	−.3	8	8.8	w.	49	nw.	24	11	8	12	5.9	T	.0	1
Missoula [2]	3,205	80	91	26.71	30.11	-----	49.0	+4.2	82	6	60	26	25	38	42	41	36	70	1.21	.0	10	5.7	se.	26	e.	22	10	6	15	6.0	.4	.0	0
Kalispell	2,973	48	56	26.99	30.06	+.05	45.5	+2.0	80	6	57	22	25	34	42	41	36	71	.74	−.3	9	5.1	nw.	20	w.	29	7	7	17	6.8	T	0	0
Miles City [2]	2,371	48	55	27.52	30.02	+.02	49.3	+2.8	90	10	62	14	25	37	45	41	34	66	.70	−.2	9	6.3	s.	34	nw.	24	15	7	9	4.8	.4	T	0
Rapid City [2]	3,259	50	58	26.64	30.03	+.02	49.7	+1.2	84	7	62	15	24	38	43	40	33	63	1.68	+.7	9	13.6	nw.	56	nw.	24	11	10	10	4.8	1.0	.0	0
Cheyenne [1]	6,094	5	39	24.03	30.02	+.01	46.3	-----	81	9	60	17	24	33	44	38	31	64	3.57	+2.6	7	10.1	nw.	41	nw.	31	12	10	9	5.2	6.3	.0	3
Lander	5,352	60	68	24.72	30.06	+.02	45.6	+2.1	80	7	59	19	25	32	40	38	31	63	3.40	+2.0	9	4.3	sw.	25	sw.	10	14	6	11	5.0	6.3	.0	1
Sheridan [6]	3,790	5	38	26.15	30.05	-----	48.4	+3.8	86	10	62	20	24	35	45	40	33	63	2.02	+1.0	11	7.7	nw.	49	nw.	21	11	8	12	5.6	1.8	.0	0
North Platte [2]	2,821	11	51	27.06	29.99	−.03	52.7	+3.0	91	7	66	16	25	39	46	42	37	67	.01	−1.1	1	6.9	w.	27	n.	21	12	10	9	4.9	T	.0	0
Middle Slope							57.3	+0.9										69	2.82	+0.9										4.9			
Denver [1]	5,292	106	113	24.76	30.00	−.01	51.4	+1.9	82	10	62	22	24	41	38	41	33	62	3.72	+2.7	8	7.0	s.	25	nw.	30	13	8	10	4.7	10.6	.0	2
Pueblo [1]	4,690	5	36	25.30	29.98	−.01	52.4	+1.2	84	7	67	25	26	38	48	42	34	59	1.94	+1.3	6	7.7	nw.	49	w.	31	10	9	12	5.3	.5	.0	1
Concordia	1,392	50	58	28.54	30.02	−.01	57.2	+1.3	86	8	68	21	26	46	39	49	44	69	1.36	−.6	8	6.5	w.	20	n.	22	13	10	8	4.5	.0	.0	1
Dodge City [1]	2,509	10	86	27.40	29.99	−.03	57.2	+1.1	88	1	69	30	26	46	39	49	45	73	3.60	+2.3	10	13.1	s.	36	n.	4	10	11	10	5.1	T	.0	1
Wichita [1]	1,358	6	64	28.57	30.00	−.03	58.9	+.3	82	9	69	28	26	49	33	51	48	76	3.77	+1.2	8	12.6	s.	39	s.	3	13	7	11	5.0	.0	.0	2
Oklahoma City [2]	1,214	10	47	28.72	30.00	−.03	62.0	+.5	84	9	71	29	26	52	30	54	50	71	2.50	−.4	9	7.5	s.	24	sw.	29	16	3	12	4.7	.0	.0	3
Tulsa [1]	-----	-----	-----	29.28	30.00	-----	61.7	+.1	83	10	72	28	26	51	32	54	50	74	2.86	−.5	9	8.7	s.	30	sw.	29	14	5	12	5.1	.0	.0	3

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to means of 24 hours	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 wet thermometer	Mean temperature of the dewpoint	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.	°F.	K	In.	In.		Miles								0-10	In.	In.	
Southern Slope							**63.0**	**−0.1**										**71**	**3.63**	**+1.8**										**4.8**			
Abilene [2]	1,738	10	56	28.19	29.98	−.03	64.4	−1.0	87	4	76	35	26	53	30	56	52	74	5.37	+2.9	6	8.3	s.	28	w.	29	9	11	11	5.1	0.0	0.0	5
Amarillo [2]	3,676	10	49	26.28	29.99	−.01	56.8	−.9	84	1	68	33	31	46	37	50	46	78	6.18	+4.5	4	13.2	s.	40	sw.	29	13	8	10	4.9	.0	.0	2
Del Rio	960	63	71	28.96	29.94	−.04	71.2	+1.2	91	22	80	49	31	62	39	62	58	68	1.58	−.2	5	8.1	se.	31	nw.	30	10	10	11	5.5	.0	.0	4
Roswell	3,566	75	85	26.38	29.97	+.01	59.8	+.3	86	9	73	35	27	46	45	50	44	64	1.39	.0	6	7.0	s.	31	sw.	29	15	14	2	3.8	.0	.0	3
Southern Plateau							**66.5**	**+2.2**										**45**	**0.56**	**0.0**										**3.3**			
El Paso [2]	3,778	82	101	26.19	29.93	+.01	64.8	+1.3	86	1	76	43	26	53	34	51	43	53	1.53	+.7	4	7.5	e.	28	sw.	12	12	13	6	4.1	.0	.0	3
Albuquerque [1]	5,314	5	45	24.76	29.92	----	57.8	+1.2	82	9	70	33	31	46	35	46	36	52	.73	−.1	7	8.0	se.	34	se.	5	12	12	7	4.7	.0	.0	4
Flagstaff	6,907	10	59	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Phoenix [2]	1,107	39	87	28.75	29.88	.00	72.3	+1.7	98	5	86	44	31	58	36	55	44	45	.43	.0	3	4.8	e.	23	e.	18	20	9	2	2.6	.0	.0	2
Tucson [1]	2,555	5	23	27.32	29.89	----	69.4	----	94	1	83	38	31	56	39	54	42	42	.60	+.1	6	----	se.	----	----	----	17	10	4	3.5	.0	.0	4
Yuma	142	9	54	29.72	29.87	.00	75.4	+2.1	104	5	91	48	36	60	42	60	49	45	.04	−.2	1	5.1	n.	28	w.	12	25	4	2	1.5	.0	.0	1
Independence	3,957	5	26	26.01	30.03	+.08	62.3	+4.8	88	5	77	33	30	48	37	46	31	33	T	−.3	0	----	n.	----	----	----	27	4	0	----	.0	.0	0
Middle Plateau							**52.1**	**+2.0**										**51**	**0.40**	**−0.3**										**2.8**			
Reno [2]	4,527	61	76	25.54	30.08	+.09	51.6	+.8	88	5	73	18	29	30	56	41	31	54	.07	−.3	3	4.9	sw.	28	nw.	11	18	10	3	2.8	T	.0	0
Tonopah	6,090	9	20	24.10	30.01	----	53.9	----	77	5	65	27	28	43	28	42	29	44	.15	−.1	2	----	nw.	----	----	----	22	8	1	----	T	.0	0
Winnemucca	4,339	5	56	25.70	30.08	+.03	51.1	+2.8	86	6	70	18	28	32	51	40	28	47	.28	−.3	3	6.6	ne.	22	sw.	31	20	7	4	2.8	T	.0	1
Modena	5,473	10	46	----	30.02	+.06	50.2	+2.2	82	6	66	19	29	34	----	----	----	56	.82	+.1	6	8.1	w.	27	sw.	10	17	7	7	----	.9	.0	3
Salt Lake City [1]	4,227	86	47	25.66	30.04	+.03	52.7	+1.9	83	9	66	28	25	40	40	44	35	55	.57	−.7	7	8.2	se.	28	s.	10	16	2	13	4.3	T	.0	1
Grand Junction	4,602	60	68	25.40	29.97	−.02	55.1	+2.3	82	1	68	27	30	42	39	44	34	52	.53	−.4	8	5.3	se.	25	w.	28	13	12	6	4.2	.0	.0	2
Northern Plateau							**52.3**	**+3.1**										**60**	**0.32**	**−0.4**										**4.6**			
Baker [2]	3,471	36	54	26.53	30.11	+.03	49.2	+2.6	83	6	64	19	28	35	40	40	33	65	.59	−.3	7	6.1	s.	23	sw.	26	16	8	7	4.1	T	.0	0
Boise [1]	2,739	5	49	27.23	30.07	+.01	52.6	+2.5	87	9	66	21	28	39	41	45	37	58	.58	−.7	4	9.0	se.	28	se.	9	19	3	9	3.5	T	.0	1
Pocatello [1]	4,478	5	31	25.53	30.06	+.02	50.2	+3.7	85	9	64	23	26	37	48	41	32	55	.38	−1.3	7	9.3	sw.	30	sw.	27	14	7	10	4.6	T	.0	3
Spokane [1]	1,929	27	42	28.02	30.07	+.01	50.4	+2.1	79	9	64	26	25	37	40	44	38	66	1.12	.0	8	6.2	ne.	28	sw.	31	10	9	12	5.5	.0	.0	1
Walla Walla	991	57	65	29.01	30.07	.00	57.4	+3.9	85	9	68	34	28	46	31	----	----	----	2.18	+.6	7	5.2	s.	23	w.	26	13	11	7	4.5	.0	.0	0
Yakima	1,076	58	67	28.92	30.07	----	54.1	+3.9	81	6	68	29	28	41	36	46	38	58	.08	−.5	2	4.8	nw.	24	sw.	10	12	5	14	5.4	.0	.0	0
North Pacific Coast Region							**55.6**	**+3.2**										**78**	**3.42**	**−0.4**										**6.2**			
North Head	211	5	56	29.85	30.08	+.03	55.0	+2.1	73	16	60	41	28	50	23	52	50	86	5.93	+.9	20	12.4	s.	54	s.	10	7	10	14	6.9	.0	.0	0
Seattle [2]	125	90	321	29.94	30.08	+.03	55.4	+4.0	74	4	62	37	28	48	26	50	47	79	1.68	−1.2	10	7.6	s.	34	s.	31	6	7	18	7.0	.0	.0	0
Tacoma	194	172	201	29.88	30.09	+.05	54.4	+3.9	76	17	62	34	28	47	30	----	----	----	3.17	−.2	9	6.8	s.	29	sw.	10	4	9	18	7.3	.0	.0	0
Tatoosh Island	86	9	61	----	30.07	+.06	53.4	+3.5	65	9	57	44	28	49	----	----	----	85	7.61	−.5	18	14.5	e.	47	s.	6	4	10	17	----	.0	.0	0
Medford [1]	1,329	29	58	28.69	30.10	----	56.3	+2.7	90	5	71	34	28	41	44	49	42	66	.82	−.5	6	----	nw.	----	----	----	15	6	10	4.2	.0	.0	0
Portland, Oreg. [2]	154	68	106	29.92	30.09	+.03	57.4	+3.2	80	5	65	39	28	50	28	52	48	79	3.75	+.6	10	4.9	nw.	19	se.	28	9	8	14	6.1	.0	.0	1
Roseburg	510	45	76	29.56	30.11	+.03	57.0	+3.1	89	5	69	39	13	45	44	51	46	71	.99	−1.6	8	3.1	di.	18	sw.	26	11	8	12	5.5	.0	.0	0
Middle Pacific Coast Region							**62.1**	**+1.8**										**66**	**0.94**	**−0.3**										**3.9**			
Eureka	60	72	88	30.04	30.11	+.05	53.9	+.3	71	21	60	40	28	48	20	51	49	87	1.21	−1.1	8	5.0	n.	24	n.	28	7	10	14	6.1	.0	.0	0
Redding [1]	722	20	34	29.24	30.01	----	68.2	+3.9	96	4	79	45	28	57	30	53	40	41	1.35	−.7	5	8.2	nw.	24	nw.	2	21	3	7	2.8	.0	.0	0
Sacramento [2]	66	92	115	29.92	29.99	.00	65.4	+2.5	91	4	79	44	31	52	35	55	47	59	.27	−.6	4	5.9	s.	25	n.	28	21	7	3	2.7	.0	.0	1
San Francisco	155	112	132	29.85	30.02	+.01	60.9	+.4	82	21	68	51	28	54	29	55	52	79	.95	−.2	4	7.3	w.	23	w.	4	17	8	6	4.1	.0	.0	0
South Pacific Coast Region							**66.3**	**+2.4**										**63**	**0.42**	**−0.3**										**3.6**			
Fresno [1]	327	5	35	29.64	29.99	+.03	65.4	+3.1	93	5	80	39	30	51	38	55	45	54	T	.6	0	4.7	nw.	19	nw.	12	21	7	3	2.5	.0	.0	0
Los Angeles	338	223	250	29.61	29.96	+.01	67.6	+2.3	95	21	77	48	29	58	30	57	50	61	.58	−.1	2	6.3	w.	29	nw.	12	15	11	5	4.0	.0	.0	0
San Diego [1]	87	20	55	29.87	29.97	+.02	66.0	+1.9	90	21	74	48	29	58	32	59	55	73	.27	−.3	2	6.6	s.	20	s.	28	14	10	7	4.2	.0	.0	0
West Indies																																	
San Juan, P. R.	82	10	54	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Panama Canal																																	
Balboa Heights	118	6	92	(3)	(3)	----	----	----	----	----	----	----	----	----	----	----	----	(3)	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Cristobal	27	47	97	(3)	(3)	----	----	----	----	----	----	----	----	----	----	----	----	(3)	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Alaska																																	
Anchorage	135	36	47	----	[4]29.54	----	37.5	+1.4	55	1	43	17	31	32	----	35	32	83	2.36	+.2	13	5.2	n.	24	n.	12	4	5	22	----	8.6	.0	0
Fairbanks [1]	484	11	87	----	[4]29.64	----	28.0	+1.4	63	2	35	3	12	21	----	28	26	58	.91	+.1	12	4.8	n.	21	e.	23	4	3	24	----	9.1	4.8	0
Juneau	132	96	116	----	[4]29.75	----	45.2	+1.8	55	2	49	32	31	42	----	43	40	84	17.15	+5.6	27	8.7	se.	32	e.	4	0	2	29	----	.0	.0	0
Hawaiian Islands																																	
Honolulu	38	86	100	29.91	29.95	----	78.0	+1.2	86	25	83	69	29	74	13	70	67	73	3.85	+2.3	14	8.5	ne.	24	e.	2	5	16	10	6.0	.0	.0	1

LATE REPORTS FOR SEPTEMBER 1942

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to means of 24 hours	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 wet thermometer	Mean temperature of the dewpoint	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																																	
Anchorage	135	36	47	[4]29.69	[4]29.91	----	51.6	----	71	22	58	28	15	45	23	49	46	79	3.41	----	19	5.1	n.	23	se.	20	4	6	20	7.8	.0	.0	----
Bethel	22	5	32	[4]29.74	[4]29.78	----	48.8	----	64	23	55	31	15	43	31	47	45	83	4.12	----	23	----	s.	----	----	----	2	5	23	8.4	.0	.0	----
Fairbanks	484	11	87	[4]29.37	[4]29.89	----	48.8	----	70	1	58	26	17	39	34	46	42	74	2.85	----	14	4.8	e.	19	w.	14	5	3	25	7.7	T	.0	----
Juneau	132	96	116	[4]29.94	[4]30.03	----	53.1	----	74	2	59	38	17	47	28	50	47	83	8.39	----	16	4.6	s.	28	se.	11	5	5	20	7.6	.0	.0	----
Ketchikan	75	69	85	[4]30.02	[4]30.04	----	56.6	----	79	2	64	43	17	50	30	52	49	79	8.05	----	13	6.3	se.	24	nw.	22	8	8	14	6.5	.0	.0	----
McGrath	331	4	31	[4]29.46	[4]29.83	----	48.4	----	70	1	57	25	15	40	29	50	43	88	2.97	----	14	----	sw.	30	s.	24	4	6	20	----	T	.0	----
Nome	43	25	51	[4]29.75	[4]29.77	----	45.8	----	61	10	51	29	19	41	22	45	42	86	5.20	----	21	12.9	ne.	37	se.	24	4	6	20	7.8	.1	.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 not reduced to a mean of 24 hours.
[5] Barometric data from airport; other data from city office records.
[6] Wind, clear, partly cloudy and cloudy data from city office records; other data from airport.

NOTE.—Except as indicated by notes 1, 2, 5 and 6 data in table are city office records.

SEVERE LOCAL STORMS, OCTOBER 1942

[Severe local storms for October 1942 delayed, but will appear as "Late Reports" in the Monthly Weather Review for November 1942]