CLIMATOLOGICAL DATA FOR JULY 1945

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	80.3	0.0	2 stations	102	23	2 stations	56	[1] 3	5.75	+0.16	Mobile	16.73	Center Grove	0.92
Arizona	81.0	+.8	Mohawk	117	[1] 6	Alpine	37	3	2.06	-.05	Groom Creek	6.71	2 stations	.09
Arkansas	78.1	-2.4	Camden	106	23	Marshall	45	18	3.94	+.23	Mount Ida	9.54	Eleven Point	.31
California	74.6	+1.2	Cow Creek	125	26	Boca	31	25	.07	.00	Seven Oaks	1.96	138 stations	.00
Colorado	67.2	.0	Hoehne	106	21	Fraser	24	1	2.18	+.04	Guffey	6.36	Manassa	.13
Florida	81.1	-.2	Wauchula	102	5	2 stations	62	[1] 10	10.14	+2.76	Hillsboro River St. Pk.	20.53	Tavernier	3.54
Georgia	79.5	-.5	Millen	103	1	Blairsville	53	12	6.99	+1.22	2 stations	14.66	Dalton	2.59
Idaho	68.2	+.1	Bruneau	106	24	Landmark	21	[1] 1	.29	-.37	Strevell	1.89	7 stations	.00
Illinois	73.8	-2.7	East St. Louis	104	23	2 stations	41	16	1.45	-1.75	Bloomington	3.94	Beardstown	.13
Indiana	73.2	-2.5	3 stations	102	[1] 23	Bluffton	42	[1] 11	3.44	+.12	Winona Lake	6.80	Bedford No. 2	1.11
Iowa	72.1	-2.5	2 stations	102	[1] 24	Decorah	39	11	2.96	-.72	Glenwood	7.86	Keokuk	.04
Kansas	77.2	-2.0	Medicine Lodge	108	[1] 25	Manhattan	47	10	3.64	+.50	La Cygne	12.54	Holton	1.03
Kentucky	75.2	-1.9	Paducah	104	24	Farmers	46	12	3.33	-.81	Greenup	6.75	2 stations	1.18
Louisiana	81.0	-.9	Ruston	101	24	2 stations	60	[1] 4	8.42	+2.13	Belle Chasse	19.44	Plain Dealing	2.91
Maryland-Delaware	75.9	+.6	Snow Hill, Md	101	1	Oakland, Md	36	12	10.49	+6.11	Leonardtown, Md	20.25	Chewsville, Md	3.11
Michigan	66.4	-2.8	6 stations	99	24	Houghton Lake	30	11	2.62	-.11	Flint	6.03	Pellston	.64
Minnesota	67.8	-2.2	Winona	102	23	Cloquet	35	15	3.97	+.68	Alexandria AP	8.12	Wheaton	.98
Mississippi	80.0	-1.1	Pontotoc	103	23	2 stations	56	[1] 4	6.26	+1.14	Biloxi	27.57	Booneville	1.10
Missouri	75.1	-2.9	2 stations	105	24	Black (near)	44	17	2.10	-1.44	Anderson	8.72	Kahoka	.15
Montana	67.7	+.6	2 stations	105	[1] 21	West Yellowstone	24	1	.62	-.74	Goldbutte	2.10	McRae	.00
Nebraska	74.3	-1.2	Niobrara	110	31	3 stations	38	[1] 1	2.72	-.37	Central City	8.61	Lyman	.30
Nevada	75.3	+2.7	Overton	117	10	2 stations	30	[1] 1	.44	+.06	Searchlight	2.95	4 stations	.00
New England	68.9	-.2	Fort Devens, Mass	97	1	Woodstock, N. H	35	12	4.72	+.95	Stockbridge, Mass	11.73	New Bedford, Mass	1.04
New Jersey	73.2	-.6	5 stations	99	1	Charlotteburg	36	12	9.32	+4.62	Phillipsburg	17.84	Mays Landing	4.67
New Mexico	72.2	-.1	2 stations	106	[1] 12	Adobe Ranch	22	2	1.94	-.52	Grenville	7.43	Animas	T
New York	69.5	-.3	Dansville	98	25	4 stations	35	[1] 11	6.00	+2.07	Suffern	18.08	Orient	1.67
North Carolina	76.8	-.1	Albemarle	104	2	Mount Mitchell	46	11	8.07	+2.07	Henderson	18.25	Monroe	3.03
North Dakota	67.8	-1.2	3 stations	102	30	Wishek	30	2	2.31	-.12	Cavalier	5.50	Bowman	.38
Ohio	71.7	-2.0	Napoleon	98	24	Millport	36	12	3.57	-.23	Lock No. 23	6.79	Put-in-Bay	1.50
Oklahoma	79.0	-2.8	Alva	108	[1] 25	3 stations	52	[1] 1	4.20	+1.40	Ardmore	8.80	Elk City	.06
Oregon	67.4	+.9	The Dalles	106	[1] 7	2 stations	22	30	.19	-.22	Canary	1.53	19 stations	.00
Pennsylvania	70.4	-1.8	Marcus Hook	103	1	Philipsburg	32	12	5.75	+1.47	Wild Creek Dam	17.89	2 stations	1.62
South Carolina	79.7	-.2	Calhoun Falls	109	1	Caesars Head	57	17	6.87	+.98	Charleston	17.25	Chappells	1.99
South Dakota	71.5	-1.6	3 stations	107	30	Pollock	30	2	2.14	-.28	LaDelle	7.25	Dupree	.14
Tennessee	76.9	-.9	Carthage	105	24	Rugby	42	16	4.01	-.47	Greenville	9.74	Samburg	.68
Texas	81.6	-1.4	Eagle Pass	109	12	Mount Locke	50	[1] 1	3.93	+1.35	Garden City	15.55	Cotulla	.00
Utah	72.1	+.3	St. George	108	6	Clear Creek	26	1	.86	-.04	Cedar Breaks	3.60	3 stations	.00
Virginia	74.7	-.7	Capron	103	1	Mountain Lake	41	11	8.76	+4.06	Warsaw	20.21	Mendota	4.00
Washington	67.8	+1.0	4 stations	108	10	Paradise R. S	28	2	.26	-.39	Tatoosh Island	4.29	31 stations	.00
West Virginia	72.2	-1.0	2 stations	100	[1] 1	3 stations	34	12	5.54	+.90	Oak Hill	9.88	Wheeling	1.64
Wisconsin	67.5	-2.6	Watertown	100	24	Prentice	33	11	3.31	-.14	Ellsworth	9.12	Williams Bay	.87
Wyoming	66.2	+.4	Rochelle	105	28	Foxpark	25	[1] 1	1.05	-.27	Hampshire	4.34	Riverton	.05
Alaska (June)	49.4	-3.1	Skwentna	80	25	Point Lay	17	1	2.58	+.83	Ketchikan	12.25	Solomon	T
Hawaii														
Puerto Rico	78.6	+.2	Guayama	95	[1] 1	Cayey	57	15	6.07	+.27	Rio Blanco (1800 ft.)	19.88	Santa Rita	1.30

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JULY 1945

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station	Pressure: Sea level	Pressure: Departure from normal	Temperature of the air: Mean	Temperature: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Total degree days	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms
	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.	°F.	°F.	°F.		°F.	°F.		°F.	°F		°F.	%	In.	In.	In.		Mi.								0-10	In.	In.	
NEW ENGLAND							69.1	+0.6										82	3.30	−0.2											6.7			
Eastport	75	67	85	1,013.9	1,016.6	+3.1	61.3	+.9	82	7	70	48	13	53	33	123	55	84	2.14	−.9	1.72	5	7.8	sw.	24	sw.	15	9	12	10	5.4	0.0	0.0	2
Greenville, Maine	1,070	6	41	977.7	1,016.9	----	64.4	−.7	88	1	78	41	28	51	40	72	58	---	5.53	+1.3	1.66	12	----	s.	---	------	---	4	14	13	----	.0	.0	4
Portland, Maine [1]	103	5	43	1,012.9	1,016.9	+2.7	67.1	−1.1	90	1	77	43	12	57	31	31	61	86	2.56	−.7	.87	9	8.1	s.	29	sw.	20	6	8	17	6.4	.0	.0	7
Concord [1]	289	5	45	1,006.4	1,016.9	+2.3	69.2	+1.8	91	1	81	43	12	57	36	17	62	82	4.07	+.5	1.36	11	6.6	s.	26	nw.	6	4	11	16	6.7	.0	.0	6
Burlington [1]	403	5	51	1,000.7	1,015.2	+1.3	70.0	−.3	88	31	81	47	12	59	32	15	60	72	4.57	+1.1	2.43	10	9.4	s.	33	nw.	14	4	12	15	6.7	.0	.0	8
Boston [1]	124	33	62	1,012.5	1,017.6	+3.0	71.9	+.2	93	1	80	55	12	64	23	0	62	76	2.12	−1.4	.97	9	10.0	sw.	36	sw.	15	1	13	17	7.3	.0	.0	4
Nantucket	12	11	59	1,017.3	1,018.0	+2.8	68.7	+.9	85	2	76	56	12	62	22	4	64	92	3.97	+1.1	1.68	6	9.7	sw.	30	sw.	14	3	10	18	7.3	.0	.0	3
Block Island	26	11	46	1,016.3	1,017.3	+2.4	69.3	+.9	83	1	75	56	12	64	16	5	65	90	2.30	−.8	1.08	10	11.4	sw.	32	s.	15	3	16	12	6.4	.0	.0	3
Providence [4]	159	46	60	1,011.9	1,018.0	+3.1	74.6	+1.2	95	1	83	52	12	66	27	0	64	80	1.98	−1.3	.96	9	7.6	s.	39	nw.	2	2	15	14	6.9	.0	.0	4
Hartford [1]	159	5	44	------	1,017.3	+2.4	72.5	+.9	92	1	82	48	12	63	---	5	63	77	3.31	−1.1	1.16	11	7.7	s.	29	nw.	1	4	7	20	----	.0	.0	8
New Haven [1]	107	5	39	1,013.2	1,017.3	+2.4	71.6	+2.3	88	1	79	47	12	64	27	5	64	81	3.72	−.3	1.16	15	6.9	sw.	22	sw.	15	5	10	16	6.9	.0	.0	6
MIDDLE ATLANTIC							74.8	−0.1										81	9.30	+5.0											7.2			
Albany [1]	97	26	40	1,012.2	1,016.3	+1.7	70.0	−.9	90	30	80	46	12	60	29	12	62	77	6.59	+3.8	2.34	15	8.8	s.	30	se.	20	3	16	12	6.5	.0	.0	9
Binghamton [3]	871	60	79	985.1	1,016.6	+1.7	70.7	+.7	92	1	80	44	12	61	34	14	62	82	4.42	+.7	1.71	11	5.3	e.	17	w.	10	2	16	13	7.0	.0	.0	8
New York	314	415	454	1,005.4	1,016.9	+1.7	73.8	.0	95	1	80	60	11	68	21	0	64	78	5.09	+.8	1.76	16	12.3	s.	41	s.	15	4	10	17	7.2	.0	.0	9
Harrisburg [1]	374	30	49	1,002.7	1,016.3	+1.1	74.2	−.6	97	1	83	49	12	65	31	1	64	76	8.52	+4.7	3.91	14	7.2	se.	26	s.	15	2	9	20	7.8	.0	.0	11
Philadelphia [1]	114	5	57	1,012.5	1,016.9	+1.7	76.0	−.2	98	1	83	62	12	69	24	0	67	84	8.86	+4.7	2.87	15	6.9	sw.	33	ne.	26	4	8	19	7.3	.0	.0	11
Reading	323	47	306	1,004.7	1,016.6	----	74.6	−.6	96	1	83	51	12	66	27	1	----	---	7.50	+3.2	2.20	15	9.6	se.	43	ne.	26	4	7	20	7.6	.0	.0	8
Scranton	805	72	104	987.8	1,016.9	+1.7	71.4	−.3	93	1	80	45	12	63	33	8	----	---	11.75	+7.7	3.67	18	5.4	n.	20	nw.	20	5	12	14	6.6	.0	.0	12
Atlantic City	52	37	172	1,014.9	1,016.9	+1.7	74.6	+2.5	89	1	79	58	12	70	18	0	69	86	10.22	+6.3	3.33	13	13.1	s.	38	s.	15	2	9	20	7.7	.0	.0	11
Trenton	190	89	107	1,009.8	1,016.9	----	74.6	+.1	98	1	82	55	12	67	26	0	66	81	8.97	+5.0	1.94	15	7.6	s.	46	sw.	2	1	10	20	7.5	.0	.0	11
Baltimore [3]	123	100	215	1,011.9	1,016.6	+1.4	77.0	−.2	100	1	84	59	12	70	24	0	67	78	9.68	+5.0	2.82	16	8.8	s.	32	nw.	2	5	13	13	6.7	.0	.0	16
Washington [3]	112	56	100	1,012.2	1,016.9	+1.0	76.8	.0	99	1	85	55	12	68	25	0	67	78	9.99	+5.3	2.40	14	5.8	s.	23	w.	9	3	11	17	7.1	.0	.0	14
Cape Henry	18	8	54	1,015.9	1,016.6	----	78.2	+.7	98	1	84	67	9	72	26	0	72	84	12.64	+7.3	5.02	20	9.2	s.	34	n.	2	2	15	14	7.0	.0	.0	15
Lynchburg [1]	686	4	50	992.2	1,016.3	.0	75.8	−.3	97	1	86	58	12	66	27	0	66	79	6.26	+2.0	2.20	13	7.0	sw.	26	n.	22	1	16	14	6.8	.0	.0	12
Norfolk [3]	91	80	125	1,013.5	1,017.3	+1.4	78.4	−.3	98	2	85	64	12	71	26	0	71	84	12.92	+7.2	3.00	20	8.3	sw.	25	n.	22	0	12	19	7.7	.0	.0	16
Richmond	144	11	52	1,010.8	1,016.3	.0	76.6	−1.9	101	1	85	55	12	68	29	0	69	84	16.08	+11.4	5.72	19	6.5	sw.	27	n.	11	1	13	17	7.2	.0	.0	16
SOUTH ATLANTIC							79.2	+0.3										83	7.98	+2.2											6.8			
Asheville	2,253	77	92	939.4	1,016.9	+.3	73.9	+2.2	93	1	84	59	16	64	29	0	64	80	3.75	−.6	1.11	16	6.0	se.	24	sw.	10	1	13	17	7.5	.0	.0	17
Charlotte [3]	779	63	86	988.8	1,016.6	.0	79.0	+.6	98	2	88	64	17	70	27	0	68	79	6.38	+1.3	2.70	16	6.3	sw.	24	sw.	9	0	13	18	7.3	.0	.0	10
Greensboro [1]	886	6	56	985.8	1,016.9	----	77.2	.0	96	2	87	59	13	68	30	0	68	81	3.50	−1.6	2.15	12	6.6	sw.	21	w.	2	2	12	17	7.2	.0	.0	16
Hatteras	11	5	50	1,017.3	1,018.0	+1.7	79.4	+1.2	89	1	84	68	11	75	14	0	74	86	9.61	+4.1	2.45	16	12.1	sw.	31	sw.	16	4	9	18	7.1	.0	.0	10
Raleigh [1]	376	5	69	1,003.1	1,016.6	.0	78.0	−.8	97	1	87	60	12	69	26	0	70	83	8.26	+2.9	1.49	21	6.9	sw.	24	nw.	2	5	15	11	6.2	.0	.0	10
Wilmington	72	73	107	1,014.6	1,017.3	+1.0	79.2	+.1	91	1	86	67	7	73	24	0	73	86	11.92	+4.8	3.78	18	9.2	sw.	37	se.	7	4	14	13	6.4	.0	.0	14
Charleston [3]	48	11	92	1,014.9	1,016.9	.0	80.8	−.6	92	11	86	71	16	75	20	0	74	88	17.25	+10.4	4.29	17	9.2	s.	25	ne.	12	6	13	12	6.0	.0	.0	12
Columbia, S. C. [3]	347	70	91	1,004.1	1,016.6	.0	80.6	−.3	100	1	90	69	21	71	29	0	71	80	3.78	−1.6	.71	16	7.1	s.	29	sw.	26	3	11	17	6.9	.0	.0	12
Greenville, S. C. [1]	1,040	18	36	980.0	1,016.3	----	77.8	+.9	94	1	86	65	17	69	27	0	68	80	6.47	+1.1	3.24	12	7.0	sw.	24	s.	26	0	14	17	7.5	.0	.0	13
Augusta [3]	182	62	77	1,009.8	1,016.3	−.3	81.2	−.1	99	2	90	68	8	72	26	0	70	80	5.97	+.6	1.89	20	5.2	s.	31	se.	23	3	11	17	7.0	.0	.0	17
Savannah [4]	65	73	152	1,014.6	1,016.9	.0	81.1	+.2	96	2	90	68	24	72	25	0	73	88	9.92	+3.3	2.82	19	8.9	sw.	41	nw.	11	4	17	10	6.5	.0	.0	10
Jacksonville [3]	43	86	110	1,015.9	1,017.6	+.7	82.0	−.1	94	3	90	71	12	74	19	0	73	82	8.99	+2.3	1.81	21	7.2	sw.	22	nw.	9	3	18	10	6.6	.0	.0	19
FLORIDA PENINSULA							81.9	−0.3										80	7.54	+1.9											6.5			
Key West [3]	21	10	64	1,015.9	1,016.9	.0	83.6	+.1	91	8	89	72	4	78	16	0	74	75	6.39	+3.1	2.71	11	8.2	e.	34	w.	22	5	14	12	6.0	.0	.0	13
Miami [3]	25	242	249	1,016.3	1,017.3	.0	80.4	−1.4	87	27	84	71	19	76	13	0	73	80	4.01	−1.6	2.37	17	11.7	se.	31	se.	18	2	20	9	6.5	.0	.0	10
Tampa [1]	35	6	43	1,015.9	1,017.3	.0	81.7	+.5	94	7	89	72	24	75	19	0	74	84	12.23	+4.3	5.19	19	7.8	se.	31	sw.	14	1	18	12	7.0	.0	.0	25
EAST GULF							80.1	−0.5										83	8.35	+2.7											6.8			
Atlanta [1]	1,173	33	72	975.3	1,016.3	−.3	79.2	+.1	97	1	89	63	3	70	29	0	68	78	7.97	+3.1	3.45	14	8.2	sw.	28	sw.	28	2	18	11	6.5	.0	.0	15
Macon [3]	370	79	87	1,003.1	1,016.3	−.3	80.1	−1.1	97	1	89	66	24	71	28	0	71	82	8.11	+3.4	1.75	20	5.6	s.	37	sw.	24	2	13	16	7.4	.0	.0	16
Thomasville	273	49	58	------	------	----	----	----	---	---	---	---	---	---	---	---	---	---	----	----	----	---	----	----	---	------	---	---	---	---	----	----	----	----
Apalachicola	35	11	51	1,015.2	1,016.6	----	80.6	−1.1	91	9	86	71	17	75	14	0	74	82	11.03	+3.3	2.28	20	6.4	sw.	21	s.	20	2	14	15	7.6	.0	.0	19
Pensacola	56	54	79	1,014.6	1,016.3	.0	80.8	−.2	91	11	87	72	20	75	18	0	74	83	6.14	−.6	1.87	19	6.5	w.	20	w.	25	1	18	12	6.8	.0	.0	11
Anniston	741	9	----	------	------	----	78.4	−.1	94	10	88	61	12	68	27	0	----	---	4.43	−.8	1.10	11	----	nw.	---	------	---	9	12	10	----	.0	.0	8
Birmingham [1]	700	5	62	991.5	1,015.9	−.4	79.7	.0	100	23	90	63	12	69	27	0	68	77	3.34	----	1.31	10	6.4	ne.	29	nw.	9	2	21	8	6.2	.0	.0	10
Mobile [3]	57	86	161	1,014.2	1,016.3	.0	80.6	−.8	93	11	88	71	12	74	21	0	73	88	16.73	+9.8	3.60	23	5.3	w.	22	w.	26	2	13	16	7.2	.0	.0	19
Montgomery [3]	218	92	105	1,008.5	1,016.3	−.3	81.2	−.5	95	24	90	69	2	72	25	0	73	86	6.83	+2.0	1.55	19	6.0	sw.	32	s.	8	5	11	15	6.5	.0	.0	14
Meridian [3]	375	67	92	1,002.7	1,015.9	−.7	80.0	−.4	95	1	89	66	16	71	26	0	71	84	5.88	+1.0	2.06	14	5.0	n.	33	nw.	10	7	18	6	5.5	.0	.0	14
Vicksburg [3]	247	82	102	1,006.8	1,015.6	−.3	79.8	−1.5	95	23	88	66	16	72	23	0	72	86	5.34	+.8	1.18	17	7.0	n.	23	nw.	10	4	13	14	6.4	.0	.0	11
New Orleans [4]	53	50	84	1,013.5	1,015.6	−.3	81.0	−.4	94	8	88	68	26	74	22	0	74	86	11.08	+4.7	2.54	20	4.9	se.	18	se.	9	1	14	16	7.6	.0	.0	16
WEST GULF							82.2	−0.7										77	4.11	+0.8											6.1			
Shreveport [1]	249	5	64	1,006.4	1,015.2	.0	81.3	−1.9	96	26	90	68	17	73	22	0	72	78	5.68	+2.1	3.16	10	7.4	ne.	32	n.	1	7	11	13	6.2	.0	.0	9
Fort Smith	463	57	82	999.3	1,014.9	.0	80.1	−1.4	99	25	90	64	17	71	26	0	68	71	5.90	+2.5	2.72	7	5.6	e.	24	ne.	9	15	8	8	4.8	.0	.0	7
Little Rock [1]	357	26	58	1,003.4	1,015.9	+.3	79.4	−1.5	99	23	89	62	17	70	25	0	68	75	4.57	+1.1	1.84	6	6.4	sw.	31	sw.	27	7	11	13	6.1	.0	.0	8
Austin [1]	605	10	41	993.2	1,013.9	----	83.0	−1.0	98	26	92	68	18	74	24	0	70	72	1.61	−.7	.86	7	7.9	s.	28	nw.	13	3	20	8	6.2	.0	.0	5
Brownsville [1]	57	5	54	1,010.8	1,012.5	----	84.6	+1.0	96	14	93	70	19	76	25	0	74	78	1.51	−.8	.97	6	10.7	se.	26	s.	31	6	20	5	5.2	.0	.0	1
Corpus Christi [1]	20	4	33	1,012.9	1,013.5	−1.1	84.2	+2.6	96	14	92	73	3	76	21	0	74	79	2.52	----	1.61	7	11.4	se.	26	e.	15	3	21	7	5.8	.0	.0	4
Dallas [1]	512	5	45	997.0	1,014.6	----	81.8	−2.4	98	26	91	68	5	73	25	0	72	76	7.68	+4.8	5.39	10	8.0	e.	28	e.	28	11	10	10	5.3	.0	.0	4
Fort Worth [1]	679	40	56	991.5	1,014.9	+.3	81.7	−1.9	100	26	91	67	18	73	24	0	69	72	3.07	+.5	1.42	9	8.2	e.	33	n.	1	9	12	10	5.7	.0	.0	4
Galveston [3]	54	106	114	1,012.9	1,014.6	−.6	82.6	−.8	91	18	87	73	2	78	15	0	76	80	4.08	+.4	1.47	12	9.9	s.	26	s.	31	6	13	12	6.4	.0	.0	11
Houston [3]	138	157	190	1,009.5	1,013.9	----	83.6	−.1	97	7	92	72	3	75	22	0	74	83	1.98	−2.0	.61	13	8.9	s.	28	e.	19	0	18	13	7.0	.0	.0	12
Palestine	510	64	72	997.6	1,014.9	.0	80.4	−1.8	94	26	89	66	17	72	21	0	71	78	7.73	+5.0	4.33	9	6.2	s.	22	ne.	1	5	16	10	6.2	.0	.0	6
Port Arthur [3]	34	59	134	1,013.5	1,014.6	----	82.3	−.5	92	10	89	72	2	76	18	0	74	85	4.37	−2.6	1.34	18	11.1	sw.	38	se.	19	2	19	10	6.7	.0	.0	21
San Antonio [1]	693	8	51	989.8	1,013.5	−.7	84.2	+.4	100	26	95	70	18	73	29	0	70	68	1.19	−1.0	.96	6	8.3	se.	38	ne.	1	0	13	18	7.5	.0	.0	5
OHIO VALLEY AND TENNESSEE							74.8	−1.0										74	3.96	+0.1											5.4			
Chattanooga [1]	762	6	66	988.8	1,015.9	−.7	78.7	+1.3	95	23	89	57	12	68	34	0	68	76	5.59	+1.3	.76	16	6.2	s.	35	nw.	24	6	17	8	5.8	.0	.0	15
Knoxville [1]	995	27	53	981.4	1,016.6	+.7	77.8	+1.1	97	1	88	59	17	67	29	0	66	75	5.46	+1.1	2.10	12	6.5	sw.	33	sw.	1	9	14	8	5.1	.0	.0	15
Memphis [4]	399	5	86	1,001.7	1,015.6	−.3	79.7	−.2	100	23	90	59	3	69	29	0	68	73	3.32	+.1	1.45	7	6.8	sw.	29	n.	10	10	13	8	5.1	.0	.0	8
Nashville [1]	546	5	72	996.3	1,015.9	−.4	77.8	−1.3	99	24	88	56	12	67	33	0	65	71	5.15	+1.3	1.61	8	6.4	n.	32	nw.	27	7	14	10	5.7	.0	.0	8
Lexington [1]	989	4	28	981.4	1,016.6	+.3	74.0	−1.9	95	21	85	50	16	63	30	5	63	73	4.63	+1.0	2.05	7	----	ne.	---	------	---	8	17	6	5.2	.0	.0	10
Louisville [3]	525	106	120	997.3	1,016.3	+.4	75.0	−2.6	97	24	86	55	16	64	29	0	64	74	2.41	−1.3	.90	6	6.2	n.	20	nw.	14	10	17	4	4.6	.0	.0	5

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JULY 1945—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station	Pressure: Sea level	Pressure: Departure from normal	Temperature of the air: Mean	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Total degree days	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms
	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.	°F.	°F.	°F.		°F.	°F.		°F.	°F.		°F.	%	In.	In.	In.		Mi.								0-10	In.	In.	
OHIO VALLEY AND TENNESSEE—Con.																																		
Evansville [1]	431	11	40	1,000.7	1,016.3	+0.4	74.6	−1.9	96	24	86	54	11	64	28	0	64	72	3.74	+0.3	1.82	8	5.7	nw.	22	nw.	25	7	16	8	5.5	0.0	0.0	5
Indianapolis [1]	823	5	54	986.8	1,016.3	+.7	72.4	−1.9	96	24	83	49	16	62	30	4	62	72	4.06	------	1.49	10	7.5	sw.	30	ne.	22	3	19	9	5.9	.0	.0	7
Terre Haute [2]	575	68	149	995.9	1,016.6	-----	75.3	−1.7	100	24	86	55	16	65	27	0	62	70	3.20	.0	1.92	7	7.3	n.	32	w.	25	11	12	8	5.2	.0	.0	7
Cincinnati [2]	627	11	51	993.6	1,016.3	+.4	74.0	−1.1	97	24	85	52	16	63	30	2	64	76	1.67	−1.6	.64	7	4.9	ne.	24	sw.	9	9	16	6	5.2	.0	.0	7
Columbus [2]	822	90	110	986.8	1,016.3	+.4	73.5	−1.4	93	24	84	52	11	63	27	7	62	74	4.84	+1.3	1.65	11	7.3	s.	30	nw.	25	11	11	9	5.1	.0	.0	5
Dayton [1]	1,003	6	55	980.7	1,016.3	-----	72.8	−2.1	95	24	83	51	11	63	27	7	61	71	2.77	−.5	.88	9	7.9	nw.	29	nw.	15	8	17	6	5.3	.0	.0	7
Elkins [1]	1,947	4	45	949.2	1,017.6	+1.3	69.0	−.8	89	13	81	42	12	57	35	25	62	88	5.92	+.5	1.43	14	4.6	nw.	30	s.	19	3	16	12	6.3	.0	.0	18
Parkersburg	637	77	84	993.2	1,015.9	−.4	74.5	−.9	95	26	85	50	12	64	37	3	62	72	3.99	−.3	2.51	11	5.2	se.	19	nw.	2	10	13	8	5.2	.0	.0	12
Pittsburgh [1]	842	39	54	985.8	1,016.3	+.4	73.0	.0	91	25	83	52	11	63	29	4	60	71	2.74	−1.3	1.00	12	8.1	sw.	22	w.	1	4	17	10	6.4	.0	.0	9
LOWER LAKES							70.6	−0.2										73	4.12	+0.9											5.3			
Buffalo [1]	768	34	96	988.2	1,015.9	+1.0	70.2	+.2	92	25	81	43	11	60	32	22	60	76	3.97	+.9	1.48	12	10.5	sw.	43	nw.	7	6	16	9	5.6	.0	.0	6
Canton	448	10	61	998.6	1,014.6	-----	68.4	−.2	89	31	79	46	11	58	32	26	59	74	4.05	+.6	1.69	14	7.4	sw.	26	w.	1	5	18	8	5.9	.0	.0	10
Oswego	335	71	85	1,003.1	1,015.6	+1.0	69.6	+.4	91	25	77	51	12	62	28	18	60	75	6.55	+3.6	2.68	12	7.8	se.	27	n.	15	12	9	10	5.2	.0	.0	10
Rochester [1]	523	5	69	996.6	1,015.9	+1.0	70.2	+.4	94	25	80	44	11	60	31	17	60	76	8.08	+5.1	2.86	13	7.8	sw.	31	w.	1	5	16	10	6.0	.0	.0	10
Syracuse [1]	596	5	57	994.2	1,015.9	+1.0	70.6	+1.3	90	1	81	48	11	60	30	13	62	74	2.55	−1.1	.76	15	8.3	sw.	28	w.	10	2	15	14	6.6	.0	.0	11
Erie [2]	714	57	81	990.2	1,015.9	+.7	71.7	+.7	90	25	79	53	11	65	24	5	62	78	2.69	−.3	1.59	11	6.5	w.	18	w.	1	10	14	7	5.1	.0	.0	7
Cleveland [1]	762	27	54	988.5	1,015.9	+.3	71.7	−.2	95	24	82	51	17	61	34	5	60	70	3.11	−.3	1.89	9	8.0	nw.	24	w.	10	13	11	7	4.9	.0	.0	4
Sandusky	629	5	67	993.2	1,015.9	+.3	72.2	−1.2	90	25	81	54	12	64	28	7	----	---	1.87	−1.6	.96	8	7.3	sw.	24	sw.	5	11	13	7	4.6	.0	.0	4
Toledo [1]	628	5	47	993.2	1,015.9	+.3	70.2	−1.6	94	24	82	44	16	59	30	27	60	72	2.59	−.4	1.33	9	8.4	sw.	27	sw.	15	17	11	3	3.7	.0	.0	4
Fort Wayne [1]	857	5	33	985.1	1,015.6	-----	70.6	−1.8	94	24	82	46	11	60	30	25	60	71	6.68	+3.1	2.07	11	6.2	sw.	39	nw.	25	7	12	12	5.6	.0	.0	8
Detroit [1]	730	5	78	989.8	1,015.9	+.7	70.8	−.2	91	24	81	48	11	61	27	18	58	66	3.18	−.1	1.67	9	8.0	n.	28	w.	7	10	10	11	5.5	.0	.0	4
UPPER LAKES							66.6	−1.2										73	2.13	−1.0											5.5			
Alpena	609	5	89	993.6	1,015.9	+1.0	65.0	−.9	92	24	74	42	11	56	29	64	55	71	2.15	−.6	1.00	10	8.8	nw.	32	sw.	5	9	13	9	5.3	.0	.0	6
Escanaba	612	51	72	993.2	1,015.2	+.3	64.6	−1.4	85	24	73	42	11	56	29	64	55	74	1.81	−1.5	.88	9	9.0	s.	30	nw.	5	14	12	5	4.3	.0	.0	6
Grand Rapids [2]	707	70	244	990.2	1,015.6	+.4	70.6	−1.7	97	24	81	48	11	60	31	20	58	72	1.24	−1.7	.40	9	9.1	sw.	37	n.	24	13	11	7	4.9	.0	.0	5
Lansing [2]	878	5	90	984.4	1,016.3	-----	67.4	−3.5	90	24	78	42	11	57	28	44	56	68	2.08	−1.0	1.31	11	6.6	sw.	21	nw.	24	12	9	10	5.3	.0	.0	9
Marquette	734	44	73	988.2	1,015.2	+.6	64.2	−.7	94	24	73	46	11	56	34	93	54	70	1.90	−1.2	.71	12	7.1	n.	26	s.	3	6	14	11	6.1	.0	.0	5
Sault Sainte Marie [1]	614	11	52	993.2	1,015.6	+.7	61.9	−.8	89	24	73	38	3	51	33	138	54	80	1.63	−1.1	.49	8	8.9	nw.	38	w.	10	6	13	12	6.1	.0	.0	7
Chicago [1]	673	5	36	991.5	1,015.9	+.7	72.0	−.7	99	24	83	49	16	61	32	8	60	69	1.33	−2.1	.46	7	7.7	sw.	35	n.	31	9	12	10	5.6	.0	.0	7
Green Bay	617	90	123	993.2	1,016.3	+1.4	68.1	−1.9	95	24	77	49	11	59	28	31	56	68	1.18	−2.3	.30	9	8.7	s.	25	s.	3	4	14	13	6.4	.0	.0	7
Milwaukee [1]	681	33	66	991.2	1,015.9	+1.0	67.8	−.4	97	24	78	45	16	58	29	42	58	76	2.65	−.2	1.46	10	10.4	n.	39	nw.	31	7	11	13	5.6	.0	.0	7
Duluth [2]	1,133	5	47	973.9	1,015.2	+1.0	64.1	+.2	93	23	73	45	10	55	30	85	54	78	5.32	+1.6	2.21	15	10.3	ne.	37	w.	8	10	11	10	5.4	.0	.0	12
NORTH DAKOTA							68.8	+0.4										70	1.94	−0.6											4.9			
Fargo [1]	940	5	43	979.7	1,013.5	−.4	68.6	+.5	96	23	81	40	2	56	34	39	58	74	1.22	−2.2	.55	9	10.9	s.	34	w.	11	8	14	9	5.4	.0	.0	11
Bismarck [1]	1,677	5	43	954.6	1,013.5	.0	69.6	+.2	98	22	83	39	2	56	44	39	57	69	1.98	−.3	.55	6	9.6	nw.	30	e.	3	10	16	5	4.7	.0	.0	9
Devils Lake	1,478	11	44	961.1	1,013.9	+.4	67.1	−.3	94	23	79	42	10	55	34	60	56	74	3.47	+.9	1.00	11	7.2	s.	33	n.	26	11	15	5	4.9	.0	.0	9
Grand Forks [1]	832	4	41	982.7	1,012.9	-----	67.4	-----	96	23	80	41	2	55	37	47	58	74	2.56	------	.93	11	----	s.	---	------	--	8	13	10	----	.0	.0	7
Williston	1,878	42	50	947.2	1,012.9	−.3	70.0	+1.1	100	30	83	45	1	57	37	28	52	60	1.11	−.8	.51	8	6.4	se.	32	w.	17	9	19	3	4.5	.0	.0	10
UPPER MISSISSIPPI							73.1	−1.7										68	2.26	−1.2											5.3			
Minneapolis - St. Paul [1]	919	43	74	981.7	1,014.6	+.4	70.4	−1.9	96	23	81	49	10	60	32	23	58	72	4.13	+.4	1.89	12	10.1	se.	40	nw.	3	8	15	8	5.3	.0	.0	9
Springfield, Minn.	1,025	4	42	978.3	1,014.9	-----	71.2	-----	99	22	82	47	10	60	34	20	60	71	5.01	------	2.91	12	----	s.	---	------	--	10	15	6	----	.0	.0	10
La Crosse [1]	714	5	29	989.5	1,015.2	+.6	69.0	−2.8	93	24	79	48	11	59	30	21	60	75	5.30	+1.4	1.51	12	7.6	s.	34	w.	5	10	14	7	5.3	.0	.0	11
Madison [2]	974	70	78	981.0	1,015.9	+1.0	70.2	−1.9	93	24	79	53	10	61	29	17	58	68	2.14	−1.7	.70	11	6.5	nw.	19	ne.	14	9	15	7	5.2	.0	.0	6
Charles City	1,015	10	51	980.0	1,016.3	+1.7	70.0	−2.3	92	22	80	47	11	60	32	19	----	---	5.49	+1.7	2.32	10	5.4	se.	23	sw.	3	14	11	6	4.4	.0	.0	9
Moline [1]	606	6	50	994.2	1,016.3	+1.4	72.2	−1.3	102	24	84	46	11	60	37	13	58	66	1.39	−1.9	.57	5	7.5	s.	27	sw.	7	9	11	11	5.6	.0	.0	6
Des Moines [2]	860	5	99	985.4	1,015.9	+1.3	74.4	−1.0	98	22	85	52	2	64	27	2	60	66	2.80	−.7	.87	9	8.1	se.	36	nw.	23	9	16	6	4.9	.0	.0	8
Dubuque	699	60	79	990.9	1,015.9	+1.0	72.0	−2.1	98	31	83	50	11	61	31	7	59	66	1.74	−2.2	.93	7	4.8	nw.	16	ne.	14	9	13	9	5.4	.0	.0	7
Burlington [1]	702	4	36	990.9	1,016.3	+1.1	72.6	−2.2	102	24	86	51	3	61	32	6	60	66	.71	−2.9	.53	2	8.1	sw.	26	nw.	5	6	17	8	5.5	.0	.0	7
Cairo	357	5	99	1,003.4	1,016.3	+.4	79.0	−1.6	100	23	88	61	17	70	23	0	----	---	.84	−2.2	.84	8	6.2	ne.	28	n.	25	10	12	9	5.3	.0	.0	9
Peoria [1]	609	6	26	994.6	1,016.3	+1.1	72.4	−2.0	96	24	84	51	11	61	28	6	60	67	.57	−2.0	.48	5	7.3	sw.	30	sw.	7	9	15	7	5.4	.0	.0	4
Springfield, Ill. [2]	636	5	191	993.6	1,016.6	+1.4	76.0	−.5	99	24	86	55	16	66	27	0	62	71	1.00	−1.9	.39	10	8.9	sw.	27	nw.	22	7	18	6	5.6	.0	.0	8
St. Louis [2]	568	35	303	996.3	1,016.3	+.7	77.6	−1.2	98	23	86	62	2	69	---	0	----	61	1.00	−2.0	.62	3	8.4	sw.	24	n.	14	11	12	8	----	.0	.0	3
MISSOURI VALLEY							75.2	−0.6										69	2.35	−1.4											4.9			
Columbia, Mo. [2]	784	6	66	988.5	1,016.3	+1.1	74.9	−2.4	99	24	85	53	11	65	28	0	63	70	.70	−2.8	.47	7	5.4	s.	17	nw.	28	16	11	4	4.1	.0	.0	4
Kansas City [1]	963	39	76	981.7	1,015.6	+.7	77.4	−.7	100	22	87	60	11	68	29	0	62	64	1.73	−2.1	.84	6	8.7	sw.	29	nw.	13	7	16	8	5.6	.0	.0	4
St. Joseph [2]	967	11	49	981.4	1,015.2	-----	76.0	−1.4	100	24	86	56	10	66	26	0	64	69	2.60	−1.2	.72	10	7.0	s.	23	n.	27	22	9	0	2.6	.0	.0	8
Springfield, Mo. [1]	1,324	5	67	969.9	1,016.3	.0	75.1	−1.1	96	23	86	55	2	64	31	1	64	74	1.53	−2.7	.78	5	8.3	s.	34	s.	9	10	13	8	5.1	.0	.0	7
Topeka	987	65	87	981.0	1,015.9	-----	78.0	+.2	102	24	88	60	2	67	28	0	64	68	2.75	−1.5	1.61	8	7.8	s.	27	w.	8	7	17	7	5.5	.0	.0	8
Lincoln [2]	1,189	11	81	972.9	1,014.6	+.4	76.6	+.1	100	24	87	53	2	66	29	0	63	68	2.73	−1.1	1.40	7	8.0	s.	34	nw.	3	7	13	11	6.0	.0	.0	10
Omaha [1]	1,105	5	68	977.0	1,015.9	+1.7	75.8	+.6	101	24	86	51	2	65	30	1	62	68	4.31	+.8	1.37	10	9.5	se.	45	n.	27	7	18	6	5.3	.0	.0	11
Valentine	2,598	46	54	924.5	1,014.6	+1.1	73.3	−.4	103	23	87	45	1	60	37	19	56	63	2.01	−1.0	1.28	7	8.0	s.	34	w.	4	12	15	4	4.5	.0	.0	10
Sioux City [1]	1,138	5	40	974.6	1,014.9	+.7	72.8	−.5	97	31	84	47	2	62	32	11	63	75	3.89	+.4	1.31	9	8.9	se.	46	sw.	4	10	17	4	4.7	.0	.0	12
Huron [1]	1,301	5	41	968.2	1,014.2	+.3	71.8	.0	97	24	84	40	2	60	37	28	62	75	1.22	−1.9	.34	12	10.8	se.	34	nw.	3	9	18	4	5.2	.0	.0	13
NORTHERN SLOPE							70.9	+2.0										54	0.84	−0.7											4.2			
Billings [1]	3,570	16	40	892.7	1,013.2	-----	72.7	+.7	98	21	87	47	1	58	38	8	53	56	.68	------	.51	4	9.5	sw.	45	nw.	30	14	16	1	4.2	.0	.0	10
Havre	2,507	11	67	926.2	1,012.9	.0	72.8	+4.5	101	21	87	44	1	58	41	15	44	44	.46	−1.4	.22	8	8.2	nw.	24	nw.	4	12	15	4	4.5	.0	.0	8
Helena [1]	4,124	5	43	875.4	1,014.2	+.7	69.0	+3.3	96	21	86	39	1	52	44	11	45	52	.29	−.8	.19	3	7.9	w.	42	w.	28	12	17	2	4.0	.0	.0	10
Missoula [1]	3,263	4	32	903.2	1,014.9	-----	69.0	+2.2	97	21	87	39	31	51	45	17	42	47	.20	−.6	.11	3	6.8	nw.	31	sw	28	20	10	1	3.2	.0	.0	9
Kalispell	2,973	48	56	912.0	1,012.5	−1.0	67.6	+3.5	96	21	83	42	18	52	42	33	44	50	.31	−.8	.19	3	6.2	w.	19	sw.	30	15	15	1	3.6	.0	.0	5
Miles City [1]	2,371	5	78	930.9	1,013.2	.0	73.9	-----	101	30	89	41	1	59	36	10	50	51	1.53	------	1.01	5	----	se.	---	------	--	12	15	4	4.4	.0	.0	11
Rapid City [1]	3,259	5	63	902.8	1,014.2	+.7	71.2	+.2	100	30	85	41	1	57	39	23	54	64	1.44	−.6	.39	9	11.1	s.	49	nw.	4	14	12	5	4.2	.0	.0	15
Cheyenne [1]	6,094	5	40	817.5	1,015.2	+2.0	68.2	+1.5	91	29	82	41	1	54	37	31	49	62	1.57	−.5	.57	9	8.4	nw.	26	sw.	29	8	16	7	5.1	.0	.0	12
Lander	5,352	60	68	838.1	1,013.9	+.7	69.5	+2.1	97	25	88	37	1	51	45	17	45	50	.13	−.6	.08	4	4.8	sw.	27	w.	30	14	12	5	4.0	.0	.0	5
Sheridan [1]	3,790	5	38	885.9	1,014.6	-----	71.2	+2.8	99	25	87	43	1	56	40	11	48	52	.26	−1.0	.12	5	6.8	nw.	49	sw.	17	13	17	1	4.2	.0	.0	9
North Platte [2]	2,821	11	51	917.4	1,013.9	+.4	74.6	+1.7	99	23	86	50	2	63	33	8	60	70	2.92	+.2	1.11	10	6.7	se.	24	e.	7	8	16	7	5.0	.0	.0	12

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JULY 1945—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station	Pressure: Sea level	Pressure: Departure from normal	Temperature of the air: Mean	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Total degree days	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms
	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.	°F.	°F.	°F.		°F.	°F.		°F.	°F.		°F.	%	In.	In.	In.		Mi.								0-10	In.	In.	
MIDDLE SLOPE							76.7	−1.0										66	3.59	+0.7											4.9			
Denver [2]	5,292	106	113	841.2	1,014.6	+1.7	73.0	+0.8	95	29	85	48	1	61	36	8	50	58	2.40	+0.7	1.31	12	6.8	s.	29	nw.	12	4	27	0	5.1	0.0	0.0	13
Pueblo [1]	4,690	5	36	859.5	1,014.2	+1.3	73.2	−1.0	95	19	87	44	2	59	43	7	54	62	3.57	+1.6	1.31	9	7.7	nw.	40	sw.	6	5	21	5	5.1	.0	.0	18
Concordia	1,392	50	58	966.5	1,014.6	+.4	77.0	−1.0	100	23	88	58	2	67	29	0	63	66	4.04	+.3	2.50	9	6.9	s.	29	n.	9	8	18	5	5.0	.0	.0	9
Dodge City [1]	2,509	5	58	928.5	1,013.5	.0	77.4	−1.0	101	30	90	57	7	65	31	1	62	64	3.04	−.1	1.23	9	13.7	s.	49	nw.	16	10	15	6	4.9	.0	.0	14
Wichita [1]	1,358	6	64	967.8	1,014.9	+.3	78.6	−.8	100	25	89	59	11	68	27	0	64	66	5.01	+1.6	2.74	7	12.2	s.	45	nw.	4	10	19	2	4.7	.0	.0	9
Oklahoma City [2]	1,214	10	47	972.6	1,014.6	.0	79.3	−1.3	99	25	89	61	2	69	24	0	68	73	4.42	+1.6	1.90	7	7.1	s.	25	nw.	6	14	9	8	4.6	.0	.0	3
Tulsa [1]	674	10	60	991.5	1,014.9	-----	78.6	−2.5	96	23	89	60	11	69	27	0	68	75	2.65	−.6	1.78	6	7.8	s.	54	n.	9	12	11	8	5.0	.0	.0	6
SOUTHERN SLOPE							80.4	−0.2										62	1.73	−0.7											5.2			
Abilene [1]	1,738	4	59	954.6	1,013.5	.0	79.5	−1.6	99	26	90	64	6	69	27	0	68	72	3.25	+1.1	1.15	8	10.2	s.	38	ne.	6	11	9	11	5.6	.0	.0	7
Amarillo [1]	3,676	5	42	891.6	1,013.9	+.7	77.2	+1.3	99	25	90	59	1	64	32	1	59	63	1.62	−1.2	.56	6	13.0	s.	42	ne.	28	15	11	5	4.5	.0	.0	6
Del Rio	960	63	71	979.0	1,010.8	+1.7	86.7	+.4	103	13	96	73	6	77	26	0	66	57	.59	−1.8	.32	5	9.4	e.	31	e.	2	2	20	9	6.1	.0	.0	4
Roswell	3,566	75	85	894.3	1,013.2	+1.3	78.2	−.7	96	24	90	60	4	66	32	0	57	55	1.45	−.8	.84	5	7.9	s.	29	se.	5	12	12	7	4.6	.0	.0	10
SOUTHERN PLATEAU							83.0	+1.5										45	1.59	0.0											4.5			
El Paso [1]	3,778	39	85	886.6	1,010.2	−.3	81.7	+2.0	101	24	93	63	3	70	29	0	58	50	.47	−1.5	.33	7	9.4	se.	42	e.	1	11	14	6	4.6	.0	.0	9
Albuquerque [1]	5,314	5	45	839.8	1,010.5	-----	78.4	+1.7	98	24	92	60	6	65	33	0	49	42	1.09	−.3	.75	6	11.1	se.	50	n.	6	11	19	1	4.5	.0	.0	15
Flagstaff	6,907	36	51	795.1	1,016.3	+6.1	68.0	+2.3	90	12	84	46	10	52	41	5	44	54	4.14	+1.2	1.02	16	----	nw.	---	------	--	5	17	9	5.9	.0	.0	19
Pheonix [2]	1,107	39	87	------	1,007.5	−1.0	90.9	+1.1	110	21	104	70	1	78	---	0	59	40	.93	−.1	.42	6	7.1	w.	28	ne.	7	17	9	5	----	.0	.0	6
Tucson [1]	2,555	5	39	924.1	1,008.8	-----	86.5	+.1	104	1	99	68	1	74	36	0	56	42	2.84	+.6	2.26	9	----	nw.	---	------	--	9	12	10	5.4	.0	.0	14
Yuma	142	9	54	1,003.1	1,007.1	−.7	92.6	+1.8	113	25	108	69	5	77	41	0	60	40	.09	−.1	.05	3	5.6	s.	26	e.	30	23	8	0	2.3	.0	.0	3
MIDDLE PLATEAU							74.5	+2.3										40	0.70	+0.2											3.5			
Reno [1]	4,527	20	52	863.5	1,013.5	+2.0	71.2	+3.1	104	26	94	42	25	48	59	0	42	48	.10	−.2	.05	3	7.2	nw.	28	s.	9	24	5	2	2.1	.0	.0	4
Winnemucca	4,339	5	56	868.9	1,012.5	.0	75.2	+4.6	102	26	94	48	1	56	52	0	41	35	.60	+.4	.45	3	7.1	sw.	30	nw.	14	23	6	2	2.2	.0	.0	4
Modena	5,473	10	46	835.8	1,012.2	+1.0	71.6	+1.0	96	25	89	47	1	54	43	1	----	---	.48	−.6	.22	5	8.8	sw.	47	e.	26	8	20	3	4.7	.0	.0	12
Salt Lake City [1]	4,227	32	58	868.3	1,012.5	.0	75.9	+1.9	99	25	92	49	1	60	41	1	48	42	1.92	+1.4	1.65	5	9.3	se.	38	se.	18	15	13	3	3.9	.0	.0	5
Grand Junction	4,602	60	68	860.8	1,013.2	+1.0	78.5	+.8	99	27	92	56	2	65	34	0	46	37	.40	−.2	.17	8	6.4	se.	24	sw.	10	14	11	6	4.4	.0	.0	12
NORTHERN PLATEAU							73.3	+2.9										42	0.05	−0.4											2.7			
Baker [2]	3,471	36	54	896.7	1,015.2	+1.0	68.4	+2.8	96	24	87	41	31	50	46	22	42	52	.13	−.4	.09	2	5.9	n.	22	sw.	21	21	9	1	2.7	.0	.0	4
Boise [1]	2,739	5	49	919.1	1,012.5	+1.0	74.9	+2.4	97	24	92	49	18	58	40	0	41	35	.07	−.2	.07	1	8.7	nw.	43	sw.	13	22	6	3	2.5	.0	.0	2
Pocatello [1]	4,478	5	31	864.9	1,013.9	+.7	72.4	+2.2	98	27	90	36	1	55	48	9	42	40	.12	−.6	.06	4	8.9	w.	33	s.	18	17	10	4	3.9	.0	.0	6
Spokane [1]	1,929	27	42	946.2	1,013.5	−1.1	70.9	+1.9	96	27	88	45	18	54	43	8	43	43	T	−.7	T	0	7.4	ne.	29	sw.	21	22	7	2	2.9	.0	.0	1
Walla Walla	991	57	65	978.7	1,013.2	−1.7	77.6	+3.6	102	10	92	52	31	64	37	0	----	---	T	−.4	T	0	5.3	s.	18	sw.	29	23	8	0	2.0	.0	.0	1
Yakima	1,076	58	67	975.6	1,013.5	-----	75.8	+4.4	101	27	90	51	17	61	40	2	----	---	T	−.3	T	0	6.9	nw.	24	sw.	21	24	6	1	2.2	.0	.0	0
NORTH PACIFIC COAST							65.3	+1.4										68	0.86	+0.2											4.2			
North Head	211	5	55	1,011.9	1,019.0	+.4	55.3	−1.9	69	25	59	47	5	51	14	302	52	90	.51	−.4	.39	8	16.0	n.	43	s.	21	4	13	14	6.8	.0	.0	0
Seattle [2]	125	90	321	1,013.5	1,018.0	+.7	66.6	+1.1	89	7	78	50	4	56	32	33	51	64	.16	−.5	.16	1	7.8	ne.	29	sw.	21	17	7	7	3.6	.0	.0	0
Tacoma	194	172	201	1,011.2	1,017.6	−.4	65.2	+2.4	87	10	75	47	4	55	28	44	----	---	.35	−.2	.35	1	7.7	n.	23	w.	19	17	6	8	3.9	.0	.0	0
Tatoosh Island	86	9	61	1,016.3	1,019.3	+1.7	54.4	−.7	66	6	58	47	5	50	17	331	52	91	4.29	+2.8	3.72	12	11.8	sw.	45	s.	21	3	11	17	7.1	.0	.0	0
Medford [1]	1,329	29	58	967.8	1,014.2	-----	74.2	+1.5	100	8	92	49	4	56	48	0	48	48	T	−.3	T	0	----	nw.	---	------	--	25	4	2	2.0	.0	.0	2
Portland, Oreg. [2]	154	68	106	1,011.9	1,017.3	−.3	70.2	+3.5	94	7	82	51	30	59	30	16	52	62	.60	.0	.59	2	7.2	nw.	19	nw.	27	17	7	7	3.7	.0	.0	0
Roseburg	510	45	76	998.0	1,015.6	−1.3	71.2	+3.8	98	12	87	49	3	55	42	3	50	54	.14	−.2	.10	4	4.8	n.	17	n.	30	22	6	3	2.5	.0	.0	1
MIDDLE PACIFIC COAST							69.7	+2.7										62	T	0.0											3.2			
Eureka	60	72	88	1,014.9	1,016.9	−.7	56.2	+.7	71	22	61	47	3	51	17	274	50	82	T	−.1	T	0	6.5	sw.	20	sw.	8	13	8	10	4.6	.0	.0	0
Red Bluff [1]	353	5	26	998.0	1,009.8	-----	85.8	+5.0	112	26	102	59	19	70	40	0	46	30	T	.0	T	0	6.7	se.	19	se.	18	28	2	1	1.6	.0	.0	0
Sacramento	66	92	115	1,008.5	1,010.5	−1.4	77.2	+4.0	107	26	95	52	19	59	42	0	52	52	T	.0	T	0	7.7	s.	19	s.	17	28	1	2	1.0	.0	.0	0
San Francisco [2]	155	112	132	1,008.1	1,013.5	−.7	59.6	+1.1	75	25	64	52	27	55	19	169	54	82	T	.0	T	0	11.3	w.	27	w.	23	5	16	10	5.7	.0	.0	0
SOUTH PACIFIC COAST							74.7	+1.4										63	T	0.0											3.4			
Fresno [1]	327	5	34	998.3	1,009.1	−1.1	84.2	+2.9	110	27	102	58	19	66	41	0	51	38	T	.0	T	0	7.0	nw.	17	nw	21	28	2	1	1.6	.0	.0	0
Los Angeles	338	223	250	1,001.0	1,012.9	+.4	71.0	+.8	89	22	80	58	19	61	28	0	59	74	T	.0	T	0	5.6	w.	17	w.	10	20	10	1	3.1	.0	.0	1
San Diego [1]	87	20	55	1,010.2	1,012.5	−.7	69.0	+.5	83	21	75	60	8	63	18	0	60	76	T	.0	T	0	6.5	nw.	16	sw.	22	10	12	9	5.6	.0	.0	0
WEST INDIES																																		
San Juan, P. R.	82	10	54	1,012.5	1,015.9	-----	79.8	−.3	89	5	83	73	10	76	12	0	75	83	7.03	+1.1	1.42	24	12.7	e.	33	e.	28	2	19	10	6.7	.0	.0	11
PANAMA CANAL (JUNE)																																		
Balboa Heights	118	6	92	------	[3]1,009.5	+.4	81.8	+1.9	93	15	88	74	13	76	17	0	75	[3]87	5.17	−3.1	1.58	19	4.8	n.	22	n.	23	0	17	13	7.2	.0	.0	7
Cristobal	27	47	97	------	[3]1,009.8	−.4	82.4	+1.6	92	19	87	74	30	78	15	0	76	[3]82	6.62	−7.1	1.47	21	7.7	ne.	23	ne.	6	2	7	21	7.6	.0	.0	10
ALASKA																																		
Anchorage [1]	132	6	44	1,008.8	1,013.9	-----	57.4	+.4	74	20	66	38	25	48	32	240	48	74	1.49	−.1	.64	9	6.0	s.	21	s.	10	1	12	18	7.4	.0	.0	0
Fairbanks [1]	455	5	63	993.6	1,011.5	-----	59.1	−.9	83	10	70	42	20	48	34	184	50	77	2.04	+.2	.35	13	6.2	w.	28	w.	1	3	9	19	7.4	.0	.0	9
Juneau [1]	80	6	30	1,013.2	1,016.3	-----	52.7	-----	69	8	59	41	16	47	21	583	48	82	7.76	------	1.67	26	7.6	n.	28	se.	13	0	2	29	9.0	.0	.0	0
Nome	22	25	56	1,011.5	1,012.2	-----	49.4	−.4	71	9	56	32	4	43	28	481	44	84	1.53	−1.0	1.16	8	7.9	w.	24	w.	15	10	5	16	6.0	.0	.0	0
Barrow	29	5	27	1,011.9	1,012.5	-----	37.3	−2.6	58	20	44	26	14	31	27	857	34	93	.67	−.2	.25	10	9.3	------	26	------	29	1	5	25	8.6	.5	.0	0
Gambell	32	5	32	------	1,012.2	-----	46.7	+.9	55	24	51	36	4	43	14	565	44	92	.38	−1.4	.14	8	10.7	------	38	w.	2	2	7	22	----	.0	.0	0
Ketchikan	75	69	90	1,016.9	1,017.6	-----	55.4	−2.3	68	15	60	44	5	51	21	303	49	82	9.12	+1.0	2.47	22	6.8	se.	22	se.	21	1	3	27	8.7	.0	.0	0
Kotzebue	20	5	31	1,010.8	1,011.5	-----	52.4	−.3	68	6	58	36	1	47	19	391	48	86	1.36	.0	-----	10	11.0	w.	34	nw.	14	8	7	16	6.0	.0	.0	0
McGrath	341	5	31	------	1,012.5	-----	58.6	-----	79	9	68	41	3	50	30	188	50	78	4.03	+1.6	.91	18	----	s.	---	------	--	0	9	22	8.1	.0	.0	6
Northway	1,718	5	32	950.2	1,012.9	-----	56.2	-----	76	10	65	40	17	47	25	275	47	74	2.98	------	.71	18	6.1	nw.	22	nw.	1	2	3	26	8.4	.0	.0	4

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

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