CLIMATOLOGICAL DATA FOR JULY 1946

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	79.4	−0.9	Valley Head	99	11	Rock Mills	59	20	6.99	+1.40	Robertsdale	17.46	Flat Rock	2.23
Arizona	80.0	−.2	5 stations	114	31	Alpine	31	1	2.30	+.19	Canelo R. S.	6.44	Yuma Citrus Station	.13
Arkansas	80.8	+.3	2 stations	106	[1] 19	Corning	51	14	3.94	+.23	Arkansas City	9.92	Siloam Springs	.06
California	72.9	−.5	Cow Creek	119	27	Twin Lakes	30	3	.33	+.25	Seven Oaks	5.95	30 stations	.00
Colorado	68.7	+1.5	Eversoll Ranch	107	27	Pearl	23	10	2.20	+.06	Idalia	7.37	Alothe	.00
Florida	81.2	−.1	Eustis	99	15	2 stations	62	18	9.05	+1.64	Perry	15.61	Ortona	2.84
Georgia	79.0	−1.0	Camilla	99	9	Blairsville	51	28	4.97	−.79	Quitman	16.28	Woodstock	1.11
Idaho	68.6	+.5	Lewiston	110	21	Landmark	27	[1] 6	.70	+.04	Pierce	2.31	Swan Falls	.00
Illinois	76.3	−.2	3 stations	104	[1] 9	Rockford Airport	49	26	2.40	−.79	Du Quoin	5.74	2 stations	.09
Indiana	75.1	−.6	La Porte	105	18	2 stations	45	26	2.62	−.69	Scottsburg	8.40	Notre Dame	.01
Iowa	73.8	−.8	Keokuk	100	18	Decorah	40	26	2.45	−1.21	Albia	10.21	Dubuque Lock and Dam.	.32
Kansas	81.3	+2.1	Hill City	111	17	2 stations	50	[1] 11	1.85	−1.27	Greenleaf	8.55	Anthony	.03
Louisiana	81.3	−.6	2 stations	100	[1] 18	North Livingston Tower.	61	[1] 1	8.52	+2.35	Jeanerette	22.88	Grand Cateau	1.90
Maryland-Delaware.	73.8	−1.3	2 stations, Md.	99	[1] 19	Oakland, Md.	36	27	4.00	−.37	Bridgeville, Del.	8.26	Western Port, Md.	.76
Michigan	69.1	−.1	4 stations	100	[1] 18	3 stations	33	[1] 15	1.54	−1.17	Onaway	5.28	Benton Harbor	.00
Minnesota	70.1	+.1	Moorhead	98	29	2 stations	36	[1] 21	2.42	−.85	Morris	5.85	Rochester	.41
Mississippi	80.0	−1.1	Pearlington	97	27	4 stations	62	[1] 22	7.54	+2.42	Magnolia	15.16	Pelahatchie	2.98
Missouri (June)	73.9	+.3	Tarkio	104	15	3 stations	37	[1] 3	2.70	−2.02	Edgerton	9.19	East End	.35
Nebraska	76.2	+.7	2 stations	107	9	Gordon	42	11	2.03	−1.04	Holdrege	7.06	Minatare	T
Nevada	73.4	+.8	Overton	116	31	Sheldon	31	31	1.00	+.61	Geyser	2.59	2 stations	.08
New England	68.0	−1.1	3 stations	99	[1] 19	Bloomfield, Vt.	30	16	3.22	−.54	Westfield, Mass.	6.74	Brockton, Mass.	.71
New Jersey	73.2	−.7	Hightstown	98	20	Charlotteburg	40	17	5.91	+1.21	Charlotteburg	8.68	Long Branch	3.29
New Mexico	73.0	+.7	Tucumcari No. 2	110	4	Red River	30	1	2.07	−.38	Cloudcroft	6.52	Agricultural College	.14
New York	69.2	−.6	Utica	100	19	Indian Lake	32	16	3.76	−.17	Yorktown Heights	9.74	Alexandria Bay	1.02
North Carolina	75.5	−1.4	Salisbury	100	21	Transou	42	29	7.06	+1.04	Hofmann Forest	24.12	Hickory	2.03
North Dakota	70.6	+1.6	Center	105	31	Belcourt	34	25	2.17	−.26	Forman	5.46	Larimore	.16
Ohio	72.7	−1.0	Hamilton	100	19	2 stations	41	27	3.09	−.70	Utica	9.68	Findlay	.92
Oklahoma	83.6	+1.8	Alva	113	[1] 14	2 stations	50	[1] 4	.84	−1.93	Okeene	3.53	13 stations	.00
Oregon	65.5	−1.0	Medford	115	20	Chemult	22	9	.46	+.05	Astoria	2.64	3 stations	.00
Pennsylvania	70.7	−1.5	Marcus Hook	101	7	Kane	34	16	4.05	−.23	Wilkes-Barre	12.27	Mucersburg	.84
South Carolina	78.2	−1.7	Sumter	100	8	Heath Springs	51	19	6.37	+.48	Charleston	10.13	McCormick	1.96
South Dakota	73.9	+.8	Midland	110	31	Ralph	39	25	2.06	−.35	Eureka	5.97	2 stations	T
Tennessee	77.9	+.1	Halls	99	[1] 11	Rugby	53	[1] 23	4.48	0	Ashwood	9.96	Waynesboro	1.07
Texas	83.8	+.8	Henrietta	115	28	Floydada	52	20	1.50	−1.08	Liberty	10.53	9 stations	.00
Utah	73.1	+1.3	2 stations	107	[1] 1	Silver Lake (Brighton)	30	10	.76	−.14	G. B. E. S. Oaks	3.32	Vernal	.00
Virginia	73.4	−2.0	2 Stations	99	[1] 21	Luray	41	5	5.08	+.38	Emporia	11.29	Cheriton	1.37
Washington	65.9	−.4	Richland	110	20	Stockdill Ranch	30	16	.65	−.01	Kid Valley	3.73	Cle Elum	.00
West Virginia	72.5	−.7	Inwood	100	[1] 19	2 stations	35	27	3.20	−1.41	Valley Head	7.79	Piedmont	.77
Wisconsin	70.0	−.1	5 stations	98	18	Lacona	33	26	1.76	−1.66	North Pelican	5.22	Whitewater	.16
Wyoming	68.0	+2.2	Morrisey	106	29	2 stations	25	[1] 7	.96	−.35	Crandall Creek	2.95	Elk Mountain	.01
Alaska (June)	52.8	+.3	3 stations	86	[1] 8	Barrow	19	1	1.14	−.59	North Dutch Island	4.38	Nunivak	.03
Puerto Rico	78.4	+.1	Ponce	98	24	Garzas	57	[1] 17	3.85	+1.87	Maricao	14.79	Santa Isabel	.20

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JULY 1946

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: Minimum	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.	
NEW ENGLAND							67.5	−0.7										76	2.86	−0.7											5.9			
Eastport	75	67	85	1,014.2	1,016.9	+3.8	60.4	0.0	83	20	69	48	17	52	30	144	51	78	2.18	−.9	0.84	8	8.4	s.	25	sw.	25	10	11	10	5.9	.0	.0	5
Greenville, Maine	1,070	6	41	978.0	1,016.9	----	61.8	−3.3	88	18	76	35	16	48	44	125	56	76	3.45	−.8	.97	13	3.1	s.	18	----	15	3	18	10	----	.0	.0	3
Portland, Maine [1]	103	5	43	1,013.2	1,016.9	+2.7	65.5	−.3	95	20	77	41	17	54	40	64	57	76	2.22	−1.0	1.03	7	8.5	s.	30	e.	20	10	10	11	5.5	.0	.0	2
Concord [1]	289	4	45	1,006.8	1,017.3	+2.7	67.9	+.5	97	19	82	38	16	54	46	27	57	71	3.05	−.5	1.48	7	6.9	nw.	26	nw.	15	7	13	11	5.9	.0	.0	1
Burlington [1]	403	6	51	1,001.7	1,016.3	+2.4	68.6	−1.7	94	19	80	44	16	57	38	20	58	70	3.89	+.4	1.69	12	8.6	s.	27	sw.	11	7	13	11	5.8	.0	.0	3
Boston [1]	124	33	62	1,012.9	1,017.3	+2.7	70.8	−.9	96	19	80	54	17	62	31	18	58	68	2.22	−1.3	1.26	5	10.6	sw.	35	sw.	23	10	7	14	6.1	.0	.0	2
Nantucket	12	11	59	1,017.6	1,018.0	+2.8	65.7	−2.1	80	7	73	47	16	58	23	55	62	89	3.66	+.8	1.98	8	11.4	sw.	26	sw.	2	7	10	14	6.5	.0	.0	5
Block Island	26	11	46	1,017.3	1,018.3	+3.4	67.8	−.6	81	7	74	56	17	62	18	8	64	89	1.54	−1.5	.69	7	11.9	sw.	27	sw.	1	10	9	12	5.5	.0	.0	2
Providence [5]	159	46	60	1,012.2	1,018.0	+3.1	72.8	−.6	96	19	83	50	17	62	32	1	60	77	1.25	−2.0	.53	7	8.1	sw.	30	sw.	23	8	11	12	6.1	.0	.0	2
Hartford [1]	159	5	44	1,011.9	1,017.3	+2.4	71.6	.0	95	19	82	49	17	61	36	1	62	75	4.84	+.5	2.86	7	7.3	s.	23	s.	1	9	8	14	6.1	.0	.0	5
New Haven [1]	107	5	39	1,013.9	1,017.6	+2.7	70.4	+1.1	91	7	79	50	17	62	31	6	62	78	2.18	−1.8	1.02	7	6.5	sw.	18	s.	23	10	9	12	5.7	.0	.0	5
MIDDLE ATLANTIC							74.8	−0.4										75	5.19	+0.8											5.2			
Albany [1]	97	26	40	1,013.2	1,016.6	+2.0	71.0	+.1	93	19	83	44	16	59	43	4	60	70	3.20	+.4	1.05	10	6.9	se.	25	n.	15	10	11	10	5.4	.0	.0	6
New York	314	415	454	1,005.8	1,016.9	+1.7	74.1	+.3	92	20	82	58	15	66	23	0	62	74	4.45	+.2	2.81	6	10.1	s.	50	s.	23	12	10	9	5.2	.0	.0	4
Harrisburg [1]	374	30	49	1,004.1	1,017.3	+2.1	74.6	−.2	96	19	86	52	16	63	36	0	62	71	3.36	−.5	1.52	9	5.9	sw.	26	nw.	20	12	6	13	5.3	.0	.0	6
Philadelphia [1]	114	6	56	1,013.5	1,017.6	+2.4	76.2	.0	95	20	85	59	16	68	25	0	64	74	5.18	+1.0	3.44	8	7.0	sw.	18	s.	1	13	9	9	4.9	.0	.0	7
Reading	323	47	306	1,005.8	1,017.3	----	75.3	+.1	94	19	86	55	16	65	31	0	----	---	4.52	+.3	2.77	7	8.1	s.	43	sw.	20	13	9	9	4.8	.0	.0	6
Scranton	805	72	104	988.8	1,017.6	+2.4	72.0	+.3	94	19	83	50	16	61	35	2	----	---	9.41	+5.4	3.09	12	5.4	n.	19	sw.	9	14	10	7	4.5	.0	.0	9
Atlantic City	52	37	172	1,015.6	1,017.3	+2.1	72.5	+.4	85	7	78	58	17	68	18	0	66	84	3.87	−.1	3.01	6	12.8	s.	38	s.	23	8	11	12	5.7	.0	.0	3
Trenton	190	89	107	1,010.8	1,017.6	----	75.0	+.5	97	20	84	56	16	66	31	0	62	71	4.13	+.2	3.27	6	7.5	s.	34	nw.	20	11	12	8	5.3	.0	.0	4
Baltimore [3]	123	100	215	1,013.2	1,017.6	+2.4	77.3	+.1	95	20	86	59	16	68	25	0	65	72	5.37	+.7	3.52	9	8.3	s.	26	nw.	20	14	7	10	4.7	.0	.0	6
Washington [3]	112	56	100	1,013.5	1,017.6	+1.7	77.2	+.4	96	8	88	57	17	66	31	0	65	72	3.86	−.8	1.76	9	5.6	s.	25	nw.	21	13	3	15	5.5	.0	.0	7
Cape Henry	18	8	54	1,016.3	1,016.9	----	76.0	−1.5	94	21	83	58	30	70	26	0	68	80	4.46	−.9	1.68	7	11.3	ne.	49	nw.	25	12	8	11	5.3	.0	.0	5
Lynchburg	686	144	184	993.2	1,017.6	+1.3	73.8	−2.3	94	20	84	56	27	64	30	0	65	80	5.27	+1.1	1.60	13	6.9	ne.	26	se.	22	10	11	10	5.6	.0	.0	11
Norfolk [3]	91	80	125	1,014.2	1,017.6	+1.7	76.8	−1.9	96	25	84	64	30	70	24	0	68	80	7.24	+1.5	3.69	12	9.4	ne.	29	nw.	25	11	6	14	5.8	.0	.0	6
Richmond	144	11	52	1,011.5	1,016.6	+0.3	75.8	−2.7	93	20	85	59	17	66	28	0	66	77	8.43	+3.7	5.15	13	6.4	ne.	24	nw.	25	11	8	12	5.2	0	.0	7
SOUTH ATLANTIC							78.2	−0.6										81	9.11	+3.4											6.6			
Asheville	2,253	77	92	940.1	1,017.3	+.7	73.8	+2.1	91	14	83	57	30	64	28	0	64	83	6.49	+2.2	2.28	13	6.0	se.	26	ne.	20	0	12	19	7.8	.0	.0	12
Charlotte [3]	779	63	86	989.5	1,016.9	+.3	77.8	−.6	96	8	87	63	30	69	27	0	67	77	4.62	−.5	1.73	14	6.0	ne.	23	n.	25	3	11	17	7.0	.0	.0	13
Greensboro [1]	886	6	56	986.5	1,017.6	----	75.8	−1.4	93	21	86	55	18	65	33	0	66	82	7.86	+2.7	4.13	14	7.3	ne.	29	n.	25	7	10	14	6.4	.0	.0	8
Hatteras	11	5	50	1,016.6	1,016.9	+.3	76.6	−1.6	85	14	80	66	18	73	14	0	72	89	17.09	+11.6	5.81	19	11.9	s.	42	s.	6	5	9	17	6.8	.0	.0	8
Raleigh [1]	376	27	69	1,003.7	1,017.3	+.7	76.9	−1.9	95	8	86	57	17	68	25	0	68	82	11.02	+5.6	4.76	14	5.9	ne.	17	n.	25	7	12	12	5.9	.0	.0	7
Wilmington	72	73	107	1,014.6	1,016.9	+.6	77.8	−1.3	95	8	86	60	17	70	23	0	72	86	19.14	+12.0	4.99	17	8.4	s.	35	s.	15	7	10	14	6.2	.0	.0	17
Charleston [3]	43	11	92	1,014.9	1,016.6	+.3	81.8	−.6	95	8	87	68	18	74	20	0	72	85	10.45	+3.6	2.80	17	9.1	s.	25	sw.	31	7	17	7	5.8	.0	0	17
Columbia, S. C. [3]	347	70	91	1,004.4	1,016.6	.0	79.7	−1.2	96	3	89	64	19	71	25	0	69	76	4.20	−1.2	1.24	14	7.1	s.	26	sw.	9	5	14	12	6.1	.0	.0	9
Greenville, S. C. [1]	1,040	18	36	980.7	1,017.3	----	77.1	+.2	97	11	86	62	27	68	27	0	67	78	6.02	+.7	1.49	15	7.6	ne.	24	w.	15	2	13	16	7.1	.0	.0	14
Augusta [3]	182	62	77	1,010.2	1,016.6	.0	80.8	−.5	96	8	90	65	19	72	25	0	68	75	3.10	−2.3	2.02	7	5.4	s.	21	s.	21	2	17	12	6.7	.0	.0	9
Savannah [3]	65	73	152	1,014.6	1,016.6	−.3	81.2	+.3	98	8	90	67	18	72	25	0	72	82	9.31	+2.7	2.48	16	8.9	sw.	30	sw.	31	2	15	14	6.8	.0	.0	19
Jacksonville [3]	43	86	110	1,015.6	1,017.3	+.4	81.2	−.9	94	15	89	70	8	74	23	0	73	82	10.05	+3.3	3.78	21	7.3	sw.	28	sw.	13	1	19	11	6.8	.0	.0	13
FLORIDA PENINSULA							82.1	−0.0										80	7.68	+2.0											6.4			
Key West [3]	21	10	64	1,016.3	1,016.9	.0	84.2	+.7	91	12	89	72	21	79	18	0	74	74	5.82	+2.5	2.81	9	6.5	se.	19	nw.	21	3	21	7	6.0	.0	.0	9
Miami [3]	25	242	249	1,016.6	1,017.3	.0	80.4	−1.4	89	12	86	69	4	75	19	0	72	84	3.56	−2.0	1.32	14	9.7	se.	31	ne.	4	2	21	8	6.2	.0	.0	18
Tampa [1]	35	6	43	1,016.3	1,017.3	.0	82.1	+.9	96	6	90	68	19	74	25	0	74	82	13.68	+5.7	4.66	14	6.9	w.	26	s.	29	0	18	13	7.1	.0	.0	21
EAST GULF							80.0	−0.7										83	7.23	+1.6											6.9			
Atlanta [1]	1,173	33	72	976.0	1,016.6	.0	77.8	−1.3	94	12	87	61	20	69	32	0	68	79	2.26	−2.6	.95	12	8.2	e.	32	sw.	21	3	11	17	6.8	.0	0	10
Macon [3]	370	79	87	1,003.4	1,016.3	−.3	79.5	−1.7	94	20	88	63	20	71	31	0	70	80	6.25	+1.5	2.27	12	4.8	e.	23	sw.	21	2	10	19	7.4	.0	.0	15
Apalachicola	35	11	51	1,015.2	1,016.3	----	81.2	−.5	91	16	87	73	16	75	18	0	74	82	5.50	−2.2	1.58	14	7.4	sw.	21	e.	18	6	15	10	6.1	.0	.0	12
Pensacola	56	54	79	1,014.2	1,015.9	−.4	81.1	+.1	94	10	88	71	30	75	21	0	74	80	11.56	+4.8	5.53	15	7.2	w.	26	nw.	2	6	13	12	6.0	.0	.0	13
Anniston	741	9	----	----	----	----	78.6	+.1	94	11	88	62	20	69	29	0	----	---	2.66	−2.5	.75	14	----	se.	----	----	----	5	12	14	----	.0	.0	8
Birmingham [1]	700	5	62	991.9	1,016.6	+.3	78.4	−1.3	94	11	87	67	20	70	26	0	70	82	6.61	+1.4	2.52	15	6.6	se.	37	se.	13	2	15	14	6.7	.0	.0	14
Mobile [3]	57	86	161	1,014.2	1,016.3	.0	81.6	+.2	94	2	89	71	21	74	22	0	73	86	12.48	+5.6	4.85	21	6.7	sw.	27	n.	2	1	17	13	7.0	.0	.0	17
Montgomery [3]	218	92	105	1,008.5	1,016.3	−.3	79.9	−1.8	94	13	88	69	1	72	21	0	72	85	6.36	+1.5	1.92	18	5.8	e.	22	n.	16	1	11	19	7.3	.0	.0	14
Meridian [3]	375	67	92	1,002.7	1,015.9	−.7	79.8	−.6	93	15	89	69	23	71	22	0	72	86	9.52	+4.6	2.83	21	4.9	sw.	23	sw.	5	3	13	15	7.3	.0	.0	14
Vicksburg [3]	247	82	102	1,006.4	1,015.2	−.7	80.4	−.9	93	18	88	67	1	73	21	0	74	90	7.05	+2.5	2.71	15	6.0	sw.	24	n.	18	2	10	19	7.6	.0	.0	10
New Orleans [4]	53	50	84	1,013.9	1,015.9	.0	81.8	----	94	27	90	70	23	74	19	0	73	83	9.37	+3.0	1.76	14	5.2	w.	18	nw.	1	3	9	19	7.3	.0	.0	13
WEST GULF							83.5	+0.5										73	2.70	−0.5											4.9			
Shreveport [1]	249	5	64	1,006.4	1,015.2	.0	82.8	−.4	97	25	92	68	2	74	24	0	72	80	4.58	+1.0	1.91	8	6.5	sw.	29	se.	19	4	15	12	6.2	.0	0	11
Fort Smith	463	57	82	998.3	1,014.2	−.7	82.6	+1.1	102	27	95	62	3	70	31	0	69	70	.53	−2.8	.31	6	5.9	ne.	30	n.	11	13	12	6	4.5	.0	.0	5
Little Rock [1]	357	5	58	1,003.1	1,015.6	.0	81.5	+.6	97	18	91	68	31	72	27	0	70	76	2.56	−.9	.97	5	6.6	sw.	30	nw.	1	8	17	6	5.3	.0	.0	7
Austin [1]	605	10	41	993.6	1,014.6	----	83.8	−.1	100	12	95	70	19	72	28	0	68	67	1.48	−.8	.72	3	7.9	s.	29	nw.	21	17	10	4	4.0	.0	.0	3
Brownsville [1]	57	5	54	1,011.9	1,013.9	----	85.3	+1.7	98	30	94	73	12	76	23	0	74	79	.09	−2.2	.09	1	11.5	se.	24	se.	15	8	19	4	4.9	.0	.0	1
Corpus Christi [1]	20	4	33	1,014.2	1,014.9	+.3	83.6	+2.0	101	30	93	69	12	74	27	0	74	80	1.61	----	1.19	4	10.3	se.	27	se.	10	10	18	3	4.4	.0	.0	4
Dallas [1]	512	5	45	996.3	1,014.2	----	86.5	+2.3	104	12	98	68	1	75	28	0	67	60	.45	−2.4	.41	3	8.9	s.	26	n.	1	20	9	2	3.2	.0	.0	3
Fort Worth [1]	679	5	56	990.5	1,014.2	−.4	85.4	+1.8	104	29	97	68	1	74	28	0	66	59	.90	−1.7	.78	4	9.4	s.	39	ne.	1	22	8	1	2.6	.0	.0	3
Galveston [3]	54	106	114	1,013.9	1,015.6	+.4	82.0	−1.4	94	27	87	72	2	77	16	0	75	84	7.24	+3.5	2.62	10	8.7	s.	25	nw.	1	9	6	16	6.0	.0	.0	14
Houston [3]	138	157	190	1,010.5	1,014.9	----	82.7	−1.0	97	29	91	68	2	74	25	0	74	82	5.44	+1.4	1.84	12	7.3	s.	29	n.	1	2	12	17	6.9	.0	.0	14
Palestine	510	64	72	997.6	1,015.2	+.3	82.3	+.1	97	27	91	68	3	73	22	0	70	70	1.47	−1.2	1.20	6	6.3	s.	17	n.	1	12	15	4	4.6	.0	.0	6
Port Arthur	34	59	134	1,013.9	1,015.2	----	82.6	−.2	96	28	89	71	2	76	19	0	74	84	8.66	+1.7	3.20	16	9.8	sw.	29	ne.	12	5	10	16	6.8	.0	.0	16
San Antonio [1]	693	6	51	990.5	1,014.6	+.4	84.4	+.6	103	29	97	67	12	71	35	0	68	65	.20	−2.0	.10	3	7.9	se.	23	se.	15	6	20	5	5.1	.0	.0	4
OHIO VALLEY AND TENNESSEE							75.9	+0.1										74	3.20	−0.5											5.6			
Chattanooga [1]	762	6	66	989.5	1,016.6	.0	78.8	+1.4	95	16	88	62	28	69	25	0	70	80	5.18	+.9	1.08	11	5.5	s.	23	e.	2	2	14	15	6.9	.0	.0	15
Knoxville [1]	995	27	53	982.1	1,016.9	+1.0	78.8	+2.1	94	19	89	62	28	69	26	0	68	78	3.10	−1.3	1.04	11	5.8	sw.	38	n.	25	4	14	13	6.4	.0	.0	12
Memphis [4]	399	5	86	1,001.4	1,015.2	−.7	80.6	+.7	97	11	91	64	14	71	31	0	70	76	1.69	−1.5	.60	11	6.2	e.	20	e.	10	8	12	11	5.6	.0	.0	10
Nashville [1]	546	5	72	996.6	1,015.9	−.4	79.4	+.3	94	11	89	63	27	70	30	0	68	76	4.86	+1.0	1.66	11	6.4	n.	31	nw.	21	2	18	11	6.3	.0	.0	8
Lexington	989	6	----	982.1	1,017.3	+1.0	74.8	−1.1	94	19	85	57	27	64	27	0	65	78	5.84	+2.2	1.64	9	----	ne.	----	----	----	11	10	10	5.2	.0	.0	13

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JULY 1946—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.																																		
Louisville [1]	525	106	120	998.0	1,016.9	+1.0	76.1	−1.5	96	18	87	57	27	65	30	0	65	72	3.11	−0.6	1.82	10	6.0	n.	29	nw.	11	9	13	9	5.5	.0	.0	11
Evansville [1]	431	12	40	1,001.4	1,016.6	+.7	76.5	.0	97	18	87	58	28	66	31	0	66	76	3.06	−.4	1.01	9	6.1	ne.	49	n.	30	7	14	10	6.1	.0	.0	8
Indianapolis [1]	823	5	54	987.5	1,016.9	+1.3	74.8	+.5	97	19	86	54	26	63	29	0	61	68	1.58	----	.93	6	7.2	n.	38	w.	11	11	11	9	5.1	.0	.0	6
Terre Haute [2]	575	68	149	997.0	1,016.9	----	76.9	−.1	99	18	88	57	2	66	29	0	64	69	1.79	−1.	4.92	8	7.2	s.	26	w.	19	12	12	7	4.9	.0	.0	7
Cincinnati [2]	627	11	51	994.6	1,017.3	+1.4	77.2	+2.1	99	19	87	59	26	67	28	0	65	78	2.48	−.8	1.11	8	4.9	e.	24	nw.	11	9	13	9	5.5	.0	.0	8
Columbus [2]	822	90	110	988.5	1,017.6	+1.7	75.0	+.1	97	10	86	53	26	64	33	0	62	70	3.95	+.4	2.00	11	6.8	s.	28	sw.	19	14	10	7	4.7	.0	.0	11
Dayton [1]	1,003	6	55	982.1	1,017.6	----	73.6	−1.3	95	19	84	53	26	63	31	0	62	70	3.54	+.2	1.76	9	7.3	ne.	43	nw.	24	12	9	10	5.1	.0	.0	7
Elkins [2]	1,947	61	78	950.6	1,018.6	+2.3	68.4	−1.4	89	11	81	42	27	56	36	17	62	87	2.99	−2.4	1.17	14	4.0	nw.	25	nw.	21	9	7	15	6.0	.0	.0	10
Parkersburg	637	77	84	994.6	1,017.3	+1.0	74.7	−.7	95	19	86	56	26	64	30	0	62	70	2.21	−2.1	.91	8	5.0	se.	16	ne.	24	10	9	12	5.5	.0	.0	9
Pittsburgh [1]	842	39	54	987.5	1,017.6	+1.7	73.0	.0	95	11	84	52	16	62	29	0	60	68	2.70	−1.4	1.35	12	7.8	s.	26	w.	11	10	11	10	5.3	.0	.0	9
LOWER LAKES																																		
							71.3	+0.6										67	2.60	−0.6											4.5			
Buffalo [1]	768	34	96	989.8	1,017.6	+2.7	71.1	+1.1	94	11	83	50	16	60	33	7	59	68	2.75	−.3	1.28	8	10.1	sw.	38	nw.	19	14	10	7	5.0	.0	.0	5
Canton	448	10	61	1,000.3	1,015.9	+1.3	68.0	−.6	92	19	80	41	16	56	34	26	56	68	2.22	−1.3	1.07	10	6.5	sw.	30	sw.	1	9	15	7	5.2	.0	.0	8
Oswego	335	71	85	1,004.7	1,016.9	+2.0	69.4	+.2	94	19	78	50	16	61	30	16	59	70	2.60	−.3	1.56	12	6.9	s.	29	n.	14	16	9	6	4.4	.0	.0	4
Rochester [1]	523	5	69	998.6	1,017.6	+2.7	70.5	+.7	94	11	82	48	16	59	32	14	58	68	2.81	−.2	1.61	7	7.3	sw.	40	sw.	1	13	11	7	4.7	.0	.0	5
Syracuse [1]	596	5	57	995.9	1,017.6	+2.7	69.6	+.3	97	19	82	44	16	58	41	17	60	70	3.24	−.4	1.29	8	7.7	sw.	34	sw.	1	8	14	9	5.6	.0	.0	5
Erie [2]	714	57	81	902.2	1,018.0	+2.8	72.1	+1.1	95	11	80	55	16	64	24	6	60	72	4.47	+1.5	1.61	11	6.3	ne.	23	sw.	11	15	10	6	4.3	.0	.0	6
Cleveland [1]	762	27	54	990.5	1,017.6	+2.0	72.3	+.4	94	7	85	46	26	60	35	11	59	65	1.26	−2.2	.46	9	8.3	s.	35	sw.	11	12	14	5	4.5	.0	.0	7
Sandusky	629	5	67	994.9	1,017.6	+2.0	73.6	+.2	98	19	83	53	17	64	29	0	----	---	3.24	−.2	2.18	7	7.2	e.	21	sw.	11	15	13	3	3.7	.0	.0	7
Toledo [1]	628	5	47	994.9	1,017.6	+2.0	72.6	+.8	99	19	85	48	17	60	37	5	60	68	1.56	−1.5	1.22	8	8.3	sw.	34	sw.	11	13	13	5	4.5	.0	.0	6
Fort Wayne [1]	857	5	33	986.8	1,016.9	----	72.8	+.4	95	18	85	52	27	60	34	0	60	66	3.42	−.2	1.46	7	5.5	se.	30	nw.	21	14	11	6	4.3	.0	.0	6
Detroit [1]	730	5	78	992.2	1,018.0	+2.8	73.3	+2.3	100	19	84	52	16	63	29	1	58	62	1.10	−2.2	.59	8	7.1	n.	31	w.	19	15	10	6	4.3	.0	.0	6
UPPER LAKES																																		
							68.9	+1.1										68	1.27	−1.8											4.4			
Alpena	609	5	89	995.6	1,018.3	+3.4	66.2	+.3	88	18	75	48	26	57	26	41	56	71	1.85	−.91	.05	9	9.0	nw.	29	nw.	1	13	14	4	4.5	.0	.0	7
Escanaba	612	51	72	995.6	1,018.0	+3.1	67.0	+1.0	86	19	75	50	15	59	25	21	57	70	1.80	−1.5	.58	8	8.8	s.	28	n.	14	13	11	7	4.5	.0	.0	4
Grand Rapids [2]	707	70	244	992.2	1,017.6	+2.4	73.8	+1.5	96	18	85	54	16	63	28	0	57	64	1.38	−1.5	.74	5	8.5	sw.	36	se.	9	18	8	5	3.8	.0	.0	6
Lansing [2]	878	5	90	986.1	1,017.6	----	70.8	−.1	95	19	82	49	2	59	30	12	56	60	.25	−2.8	.12	3	6.5	n.	20	n.	1	13	12	6	4.4	.0	.0	3
Marquette	734	44	73	990.5	1,017.6	+3.0	67.0	+2.1	90	5	77	45	15	57	33	37	55	66	.93	−2.2	.45	4	7.5	sw.	23	s.	10	13	12	6	4.6	.0	.0	7
Sault Sainte Marie [1]	614	11	52	995.3	1,017.6	+2.7	62.8	+.1	83	17	75	43	15	51	35	87	54	76	1.08	−1.6	.49	8	9.2	nw.	28	nw.	1	13	11	7	5.0	.0	.0	3
Chicago [1]	673	5	36	993.2	1,017.3	+2.1	74.6	+1.9	100	18	85	56	26	64	29	0	60	63	2.49	−.9	2.46	3	6.9	e.	22	w.	9	18	9	4	3.7	.0	.0	2
Green Bay	617	109	141	995.3	1,018.0	+3.1	70.2	+.2	93	10	81	51	26	59	32	2	58	66	.70	−2.8	.54	5	6.7	s.	21	w.	20	7	19	5	5.0	.0	.0	7
Milwaukee [1]	681	33	66	992.9	1,017.6	+2.7	70.7	+2.5	91	7	81	51	26	61	29	6	60	70	.95	−1.9	.41	5	9.3	se.	29	sw.	10	12	14	5	4.5	.0	.0	4
Duluth [2]	1,133	5	47	976.3	1,017.3	+3.1	65.9	+2.0	90	13	76	46	24	56	33	46	56	74	1.30	−2.5	.62	5	9.6	ne.	38	nw.	11	15	10	6	4.5	.0	.0	5
NORTH DAKOTA																																		
							71.4	+3.3										67	1.92	−0.2											4.6			
Fargo [1]	940	5	43	981.4	1,015.6	+1.7	71.2	+3.1	94	13	83	47	24	60	31	11	60	72	.98	−2.4	.32	8	11.0	s.	39	nw.	10	9	16	6	4.8	.0	.0	6
Bismarck [1]	1,677	5	43	955.3	1,014.6	+1.1	73.6	+4.2	104	31	87	49	11	60	38	3	55	66	2.10	−.1	.97	9	10.9	se.	50	w.	31	12	12	7	4.5	.0	.0	10
Devils Lake	1,478	11	44	962.8	1,015.6	+2.1	70.6	+3.2	98	31	83	47	24	58	37	15	58	70	1.60	−1.0	.75	7	7.6	se.	29	nw.	10	13	12	6	4.7	.0	.0	7
Grand Forks [1]	832	4	41	985.4	1,015.6	----	70.0	------	95	30	83	43	24	57	41	21	58	70	.64	------	.39	5	----	se.	----	------	----	12	12	7	----	.0	.0	3
Williston	1,878	42	50	947.5	1,012.9	−.3	71.8	+2.9	98	26	84	50	1	60	34	10	54	59	4.32	+2.4	2.13	8	6.8	se.	46	w.	17	9	22	0	4.5	.0	.0	10
UPPER MISSISSIPPI																																		
							75.3	+0.6										69	1.70	−1.8											4.9			
Minneapolis-St. Paul [1]	919	43	74	983.4	1,015.9	+1.7	73.6	+1.3	93	9	84	55	1	63	29	0	61	68	2.76	−1.0	1.54	9	8.8	se.	33	w.	14	10	14	7	5.2	.0	.0	6
Springfield, Minn.	1,025	4	42	979.7	1,016.3	----	73.8	------	96	13	85	52	1	63	33	0	62	68	1.97	------	1.11	7	----	se.	----	------	----	14	7	10	----	.0	.0	7
La Crosse [1]	714	5	29	991.2	1,017.3	+2.7	71.8	.0	92	8	83	49	26	61	32	2	62	72	.83	−3.1	.37	6	7.0	s.	22	nw.	10	11	12	8	5.2	.0	.0	7
Madison [2]	974	70	78	982.7	1,018.0	+3.1	72.9	+.8	94	18	82	55	15	64	26	1	59	67	1.23	−2.6	.79	7	5.9	nw.	18	ne.	14	12	12	7	4.8	.0	.0	3
Charles City	1,015	10	51	981.4	1,017.6	+3.0	72.0	−.3	96	18	82	51	26	62	29	2	----	--	.82	−3.0	.27	13	4.9	se.	19	se.	9	15	8	8	4.5	.0	.0	6
Moline [1]	606	6	50	995.3	1,017.3	----	74.8	+1.3	97	18	87	55	3	63	35	0	62	68	1.47	−1.9	.93	4	6.4	e.	22	nw.	11	13	13	5	4.7	.0	.0	0
Des Moines [2]	860	5	99	------	1,016.9	+2.3	75.8	+.4	98	18	86	57	25	66	29	0	61	69	1.81	−1.7	.85	9	7.1	se.	23	se.	27	7	15	9	5.6	.0	.0	7
Dubuque	699	81	96	992.2	1,017.3	+2.4	74.4	+.3	97	18	85	55	26	64	29	1	66	76	.53	−3.4	.20	6	4.5	se.	14	nw.	11	14	11	6	4.6	.0	.0	3
Burlington [1]	702	4	36	991.9	1,016.9	+1.7	76.0	+.2	98	10	88	56	25	64	34	0	64	69	1.66	−1.9	.92	6	7.1	se.	29	nw.	11	14	11	6	4.5	.0	.0	7
Cairo	357	5	99	1,003.7	1,016.3	+.4	80.3	−.3	97	18	90	63	27	71	23	0	----	---	2.68	−.4	1.15	8	6.3	ne.	33	ne.	9	8	11	12	5.8	.0	.0	69
Peoria [1]	609	6	26	995.3	1,017.3	+2.1	76.1	+1.7	97	18	87	56	25	65	29	0	62	66	.79	−2.8	.51	3	7.2	e.	18	e.	9	12	13	6	4.5	.0	.0	4
Springfield, Ill. [2]	636	5	191	994.2	1,016.9	+1.7	78.2	+1.7	99	19	88	59	3	68	29	0	64	72	4.15	+1.3	1.20	8	8.9	e.	26	s.	7	9	15	7	5.0	.0	.0	8
St. Louis [5]	568	6	303	996.3	1,016.3	+.7	78.8	+.5	99	18	90	63	3	71	26	0	----	64	1.45	−1.5	.98	4	9.1	s.	27	sw.	19	13	14	4	----	.0	.0	5
MISSOURI VALLEY																																		
							78.2	+2.8										64	1.99	−1.6											4.6			
Columbia, Mo. [2]	784	6	66	988.2	1,015.9	+.7	80.4	+3.1	104	23	92	59	4	68	35	0	62	62	4.79	+1.3	2.23	6	6.0	e.	23	sw.	27	19	11	1	3.0	.0	.0	11
Kansas City [1]	963	38	76	981.4	1,014.9	.0	81.2	+3.1	104	18	93	60	2	70	31	0	63	60	.94	−2.9	.39	19	8.5	ne.	32	sw.	6	11	18	2	4.5	.0	.0	5
St. Joseph [2]	967	11	49	981.4	1,015.2	----	79.2	+1.8	101	18	90	59	2	69	28	0	65	67	1.28	−2.5	.64	4	7.0	e.	19	sw.	27	21	8	2	2.9	.0	.0	5
Springfield, Mo [1]	1,324	5	60	969.5	1,015.9	+.7	79.0	+2.8	104	24	91	57	3	67	37	0	65	68	1.47	−2.7	.75	5	9.3	s.	29	nw.	11	16	5	10	4.9	.0	.0	9
Topeka	987	65	87	980.4	1,015.2	----	81.6	+3.8	106	18	94	60	2	69	37	0	64	60	.89	−3.4	.73	3	7.4	e.	23	se.	27	14	10	7	4.8	.0	.0	5
Lincoln [2]	1,189	11	81	973.2	1,014.6	+.4	78.8	+2.3	101	14	90	59	12	67	33	0	63	67	1.59	−2.3	.84	7	7.4	se.	25	n.	19	10	9	12	5.3	.0	.0	6
Omaha [1]	1,105	5	68	976.6	1,015.9	+1.7	77.2	+2.0	97	14	88	59	1	66	29	0	64	68	1.84	−1.7	.60	6	8.9	se.	26	ne.	19	10	11	10	5.5	.0	.0	4
Valentine	2,598	46	54	925.2	1,015.2	+1.7	75.0	+2.2	103	30	89	51	11	62	40	0	56	56	4.25	+1.2	2.96	6	8.6	s.	46	sw.	17	13	14	4	4.4	.0	.0	10
Sioux City [1]	1,138	5	40	975.3	1,015.6	+2.4	74.8	+1.5	98	9	86	54	1	64	34	3	64	72	1.45	−2.1	.59	9	8.2	s.	27	n.	23	9	11	11	5.7	.0	.0	7
Huron [1]	1,301	5	41	969.2	1,015.2	+1.3	74.4	+2.6	98	30	87	51	25	62	37	0	62	72	1.43	−1.7	.72	7	11.9	se.	34	nw.	10	11	9	11	5.2	.0	.0	13
NORTHERN SLOPE																																		
							71.7	+2.9										54	1.40	0.0											4.6			
Billings [1]	3,570	16	40	892.7	1,013.5	----	73.7	+1.7	98	29	88	51	9	60	39	8	50	48	.91	------	.53	9	9.8	sw.	56	nw.	3	11	15	5	4.5	.0	.0	10
Havre	2,507	11	67	926.5	1,013.9	+.6	72.6	+4.3	100	30	88	49	1	58	41	0	46	48	1.25	−.6	.76	8	7.4	sw.	43	sw.	13	10	18	3	4.6	.0	.0	12
Helena [1]	4,124	5	43	875.7	1,014.9	+1.4	68.6	+2.9	98	21	85	42	10	52	46	16	47	56	1.41	+.3	.36	12	7.9	w.	50	sw.	14	7	17	7	5.2	.0	.0	17
Missoula [2]	3,205	80	91	903.5	1,015.9	----	68.9	+2.1	99	29	86	44	10	52	49	23	46	54	3.05	+2.2	1.47	11	6.5	n.	40	s.	30	11	15	5	4.6	.0	.0	10
Kalispell	2,973	48	56	912.3	1,013.2	−.3	67.0	+2.9	95	21	82	45	17	53	40	30	46	54	.97	−.1	.32	7	6.0	w.	20	sw.	21	13	12	6	4.3	.0	.0	4
Miles City [1]	2,371	5	28	930.9	1,012.9	−.3	75.8	------	101	15	90	52	25	61	42	2	53	54	1.22	------	.46	6	----	se.	----	------	----	9	20	2	4.4	.0	.0	10
Rapid City [1]	3,259	5	63	903.5	1,014.9	+1.4	72.6	+1.6	101	31	86	52	11	59	38	5	57	64	2.93	+.8	1.07	12	11.2	s.	42	nw.	27	13	13	5	4.6	.0	.0	15
Cheyenne [1]	6,094	5	40	817.8	1,015.6	+2.4	68.8	+2.1	94	22	83	45	10	55	38	14	48	58	1.42	−.7	.67	11	9.0	w.	35	w.	9	7	16	8	5.5	.0	.0	15
Lander	5,352	60	68	838.8	1,015.2	+2.0	71.9	+4.5	97	22	87	49	10	56	39	2	41	40	.47	−.2	.30	5	8.0	sw.	46	sw.	22	14	13	4	3.9	.0	.0	10
Sheridan [1]	3,790	5	38	885.9	1,014.2	----	72.0	+3.6	99	29	87	49	19	57	42	3	51	55	.71	−.5	.33	9	7.5	nw.	45	nw.	9	11	16	4	4.5	.0	.0	12
North Platte [2]	2,821	11	51	918.1	1,014.2	+.7	76.9	+4.0	101	22	89	55	11	64	37	0	59	63	1.11	−1.6	.52	8	6.8	s.	24	ne.	27	10	12	9	5.1	.0	.0	13

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JULY 1946—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							80.5	+3.3										54	1.29	-1.5											4.3			
Denver [2]	5,292	106	113	841.9	1,014.9	+2.0	74.8	+2.6	96	17	87	56	10	63	29	0	50	52	.98	-.7	.38	11	6.7	s.	26	nw.	3	5	20	6	5.2	.0	.0	16
Pueblo [1]	4,690	5	36	859.8	1,014.6	+1.3	76.2	+2.0	99	9	92	54	2	61	41	0	51	52	.95	-1.0	.31	8	8.0	nw.	42	nw.	1	6	18	7	5.5	.0	.0	15
Concordia	1,392	50	58	965.8	1,014.2	.0	79.6	+1.6	102	18	92	60	2	68	34	0	62	60	6.27	+2.5	4.31	8	6.9	se.	27	nw.	16	14	12	5	4.5	.0	.0	6
Dodge City [1]	2,509	5	58	928.2	1,013.2	-.3	82.8	+4.4	106	27	97	60	20	69	35	0	57	47	.17	-3.0	.09	2	15.5	s.	33	s.	9	16	10	5	4.3	.0	.0	8
Wichita [1]	1,358	6	64	967.2	1,013.9	-.7	83.4	+4.0	105	27	96	61	2	71	33	0	58	50	.32	-3.1	.17	5	13.0	se.	32	s.	9	15	10	6	4.4	.0	.0	7
Oklahoma City [3]	1,214	10	47	971.9	1,014.2	-.4	84.0	+3.4	105	27	96	64	21	73	29	0	64	58	.18	-2.7	.15	3	7.5	s.	16	s.	28	22	7	2	2.7	.0	.0	4
Tulsa [1]	674	10	61	990.5	1,014.2	-----	83.4	+2.3	102	27	95	64	2	72	31	0	66	62	.16	-3.1	.36	1	8.9	s.	25	s.	19	16	12	3	3.6	.0	.0	1
SOUTHERN SLOPE							81.7	+2.4										49	0.36	-2.0											3.9			
Abilene [1]	1,738	4	41	953.9	1,012.5	-1.0	85.7	+4.6	105	14	98	65	22	73	32	0	58	46	T	-2.1	T	0	12.6	s.	57	ne.	1	15	13	3	3.9	.0	.0	2
Amarillo [1]	3,676	5	42	891.6	1,013.1	-.1	80.5	+4.6	102	14	95	59	21	66	35	0	57	50	.12	-2.7	.05	5	13.7	s.	32	sw.	9	14	12	5	4.1	.0	.0	9
Del Rio	960	63	71	979.7	1,011.9	-.6	81.0	-.3	104	30	96	71	12	76	28	0	64	55	.07	-2.3	.05	2	8.8	e.	24	se.	6	14	14	3	4.2	.0	.0	3
Roswell	3,566	75	85	894.7	1,013.9	+2.0	79.8	+.9	101	28	93	60	23	66	34	0	54	47	1.26	-1.0	.68	6	7.5	s.	28	e.	1	14	16	1	3.6	.0	.0	6
SOUTHERN PLATEAU							82.6	+1.1										46	2.20	+0.5											4.8			
El Paso [1]	3,778	5	85	887.2	1,011.2	+.7	82.0	+2.3	100	28	94	63	6	70	29	0	52	42	.71	-1.3	.37	8	9.0	se.	40	se.	17	10	14	7	5.1	.0	.0	11
Albuquerque [1]	5,314	5	48	841.2	1,012.5	-----	78.3	+1.6	97	16	91	58	22	65	32	0	50	44	2.28	+.9	1.13	14	10.3	se.	50	e.	1	10	18	3	4.9	.0	.0	17
Flagstaff	6,907	36	51	795.5	1,011.9	+1.7	67.4	+1.7	90	27	83	42	2	52	41	10	45	56	4.78	+1.9	1.45	18	----	w.	----	------	--	5	18	8	5.8	.0	.0	23
Phoenix [2]	1,107	39	87	971.6	1,009.1	+.6	90.4	+.6	110	30	103	68	18	78	34	0	62	44	2.56	+1.5	1.28	5	7.2	w.	32	se.	17	12	15	4	4.5	.0	.0	9
Tucson [1]	2,555	6	30	925.5	1,011.2	-----	86.0	-.4	105	1	99	66	1	73	39	0	59	48	2.44	+.2	1.00	14	----	se.	----	------	--	2	23	6	5.8	.0	.0	18
Yuma	142	9	54	1,004.1	1,008.8	+1.0	91.6	+.8	114	31	106	67	7	77	43	0	60	42	.44	+.3	.38	2	5.7	s.	21	e.	19	23	6	2	2.7	.0	.0	5
MIDDLE PLATEAU							74.4	+2.2										41	0.81	+0.3											3.7			
Reno [1]	4,527	20	52	863.9	1,014.6	+3.1	69.3	+1.2	102	20	90	40	31	49	53	10	42	50	.84	+.6	.54	5	7.6	s.	32	w.	30	22	8	1	2.4	.0	.0	5
Winnemucca	4,339	5	56	868.9	1,013.5	+.7	73.8	+3.2	103	21	92	42	31	55	47	0	40	38	.84	+.6	.72	6	7.6	sw.	30	nw.	30	22	7	2	2.6	.0	.0	6
Modena	5,473	10	46	836.4	1,013.2	+2.0	71.8	+1.2	95	10	88	46	2	55	44	0	----	---	1.49	+.4	1.26	6	10.0	sw.	31	nw.	12	13	9	9	4.5	.0	.0	5
Salt Lake City [1]	4,227	32	46	868.3	1,011.9	-.3	77.3	+3.3	100	28	92	50	10	63	39	0	48	40	.55	.0	.51	4	10.2	se.	38	sw.	5	15	12	4	3.9	.0	.0	9
Grand Junction	4,602	60	68	861.8	1,013.9	+1.7	79.9	+2.2	100	27	95	58	10	65	38	0	44	36	.35	-.3	.21	6	6.9	se.	29	se.	30	10	13	8	5.1	.0	.0	14
NORTHERN PLATEAU							72.2	+1.7										46	0.22	-0.2											3.7			
Baker [2]	3,471	36	54	896.7	1,016.3	+2.1	67.0	+1.4	100	20	83	41	4	51	49	49	44	58	.46	-.1	.25	5	5.7	n.	20	nw.	30	15	14	2	3.8	.0	.0	7
Boise [1]	2,739	5	49	918.7	1,012.5	-1.0	74.8	+2.3	103	21	91	50	9	59	42	3	44	38	.04	-.2	.03	2	9.0	nw.	34	nw.	30	13	15	3	3.8	.0	.0	5
Pocatello [1]	4,478	5	31	864.5	1,014.2	+1.0	73.2	+3.0	100	21	90	45	19	56	46	1	41	38	.33	-.4	.14	5	9.5	s.	42	w.	27	14	13	4	4.3	.0	.0	9
Spokane [1]	1,929	27	42	947.2	1,014.9	+.3	69.4	+.4	99	21	85	45	16	54	42	13	46	50	.03	-.7	.03	1	7.2	ne.	29	w.	11	16	9	6	4.0	.0	.0	0
Walla Walla	991	57	65	979.3	1,014.6	-.3	75.1	+1.1	105	21	88	54	16	62	39	0	----	---	.22	-.2	.20	2	5.5	s.	17	sw.	8	19	9	3	3.3	.0	.0	1
Yakima	1,076	58	67	976.3	1,014.9	-----	73.9	+2.5	102	20	88	47	15	60	38	5	----	---	.24	-.1	.21	3	7.0	nw.	22	nw.	25	19	8	4	3.5	.0	.0	1
NORTH PACIFIC COAST							65.2	+1.3										68	1.26	+0.5											5.2			
North Head	211	5	56	1,011.5	1,019.0	+.4	58.8	+1.6	84	19	64	49	25	54	33	200	53	84	3.12	+2.2	1.66	12	12.8	n.	39	s.	8	4	12	15	7.0	.0	.0	0
Seattle [2]	125	90	321	1,013.9	1,018.6	+1.3	66.6	+1.1	90	20	76	53	4	58	27	22	52	66	.59	.0	.51	4	7.8	n.	24	sw.	31	11	10	10	4.8	.0	.0	0
Tacoma	194	172	201	1,011.5	1,018.3	+.3	64.6	+1.8	85	28	73	50	3	56	28	51	----	---	1.11	+.5	1.01	5	7.4	n.	22	n.	19	12	12	7	4.7	.0	.0	0
Tatoosh Island	86	9	61	1,016.3	1,019.3	+1.7	56.8	+1.7	72	20	62	49	3	52	18	253	52	86	2.88	+1.3	.95	15	9.8	w.	39	e.	20	6	6	19	7.0	.0	.0	1
Medford [1]	1,329	29	58	968.8	1,015.6	-----	72.3	-.4	115	20	89	47	15	56	51	9	48	51	.11	-.2	.10	2	----	nw.	----	------	--	21	5	5	3.4	.0	.0	1
Portland, Oreg. [3]	154	68	106	1,015.9	1,018.0	+.4	68.8	+2.1	103	20	79	52	4	59	35	21	53	65	.98	+.4	.93	3	5.9	nw.	21	nw.	18	9	10	12	5.7	.0	.0	0
Roseburg	510	45	76	999.0	1,017.3	+.4	69.1	+1.7	109	20	83	47	16	55	44	20	51	59	.04	-.3	.04	1	4.8	n.	18	n.	21	15	9	7	4.2	.0	.0	0
MIDDLE PACIFIC COAST							69.0	+2.0										64	.90	0.0											3.5			
Eureka	60	72	88	1,016.9	1,019.3	+2.0	58.2	+2.7	66	26	63	50	19	54	15	208	53	85	.12	.0	.05	5	7.3	n.	21	nw.	4	5	11	15	6.5	.0	.0	1
Red Bluff	722	20	34	999.7	1,012.2	-----	82.2	+1.4	112	19	97	59	15	68	40	0	48	36	.19	+.2	19	2	8.1	se.	24	se.	12	24	4	3	2.4	.0	.0	1
Sacramento	66	92	115	1,010.5	1,012.9	+1.0	75.2	+2.0	104	18	91	54	14	59	39	0	53	55	T	.0	T	0	8.1	s.	19	sw.	13	29	1	1	1.1	.0	.0	0
San Francisco [2]	155	112	132	1,010.2	1,015.6	+1.7	60.4	+1.9	77	26	66	51	7	55	21	144	53	80	.06	.0	.06	1	11.2	w.	31	w.	2	16	9	6	4.2	.0	.0	0
SOUTH PACIFIC COAST							56.1	+1.5										61	.00	0.0											3.4			
Fresno [1]	327	5	35	1,000.3	1,011.5	+1.3	82.0	+.7	106	18	99	59	31	65	40	0	52	41	.02	.0	.02	1	7.8	nw.	19	nw.	13	23	5	3	2.2	.0	.0	0
Los Angeles	338	223	250	1,001.7	1,013.9	+1.4	71.8	+1.6	90	31	82	58	8	62	28	0	58	68	T	.0	T	0	5.6	w.	17	w.	25	20	9	2	3.1	.0	.0	0
San Diego [1]	87	20	55	1,010.8	1,013.9	+.7	70.8	+2.3	83	27	77	61	5	64	20	0	61	76	.00	.0	.00	0	6.6	nw.	16	nw.	14	9	15	7	4.9	.0	.0	0
WEST INDIES																																		
San Juan, P. R.	82	10	54	1,014.9	1,018.0	-----	79.6	-.5	86	11	83	72	30	76	11	0	74	80	3.97	-2.0	.66	14	13.3	e.	31	e.	8	5	19	7	5.4	.0	.0	3
PANAMA CANAL																																		
Balboa Heights	118	6	92	-------	[1]1,010.2	+1.1	81.9	+2.0	92	--	88	72	---	76	20	0	74	[3]86	7.44	+.4	----	16	6.3	nw.	24	n.	29	3	18	10	6.6	.0	.0	10
Cristobal	27	47	97	-------	[1]1,010.5	+.3	79.8	-1.0	86	7	84	72	24	77	12	0	----	[3]87	12.31	-1.4	3.36	20	8.8	ne.	24	w.	24	0	9	22	7.9	.0	.0	15
ALASKA																																		
Anchorage [1]	132	6	44	1,008.0	1,012.9	-----	58.4	+1.4	81	12	68	44	6	49	31	203	50	75	.97	-0.66	0.31	11	5.6	nw.	21	s	28	5	6	20	7.1	.0	.0	1
Fairbanks [1]	455	5	63	993.6	1,010.5	-----	61.7	+1.6	88	12	75	36	26	49	39	126	50	71	1.32	-0.5	.96	10	5.7	sw.	24	sw.	18	6	12	13	6.3	.0	.0	8
Juneau [1]	80	25	56	1,012.5	1,015.6	-----	54.3	------	74	13	62	40	23	47	29	330	48	78	6.61	------	.28	22	8.0	n.	27	se.	23	1	3	27	8.5	.0	.0	0
Nome	22	25	56	1,010.2	1,010.8	-----	51.4	+1.5	71	9	57	35	4	45	21	418	48	89	2.29	-.21	.85	11	10.3	sw.	34	n.	31	4	7	20	7.4	0	0	0
HAWAII																																		
Honolulu	38	86	100	1,014.9	1,016.3	-----	77.9	+.2	87	21	82	71	9	73	14	0	----	---	1.07	-.1	.42	19	10.9	e.	29	ne.	10	2	26	3	5.4	.0	.0	1

[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.