CLIMATOLOGICAL DATA FOR AUGUST 1947

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	81.2	+1.4	2 stations	105	[1] 4	Haleyville	60	27	3.68	−1.07	Bishop	10.71	Uniontown	0.32
Arizona	78.0	−.6	Mohawk	118	7	2 stations	34	[1] 3	3.09	+.73	McNary	8.66	2 stations	.19
Arkansas	84.5	+4.3	Conway	111	31	Perryville	56	16	2.20	−1.33	Grannis	11.53	Big Lake Outlet	.14
California	70.5	−1.8	Cow Creek	120	6	Tamarack	22	22	.17	+.07	Coyote Wells	5.00	107 stations	.00
Colorado	66.9	+1.2	Eads	108	[1] 9	2 stations	24	[1] 26	2.38	+.42	Wolf Creek Pass	7.59	Fort Morgan	.00
Florida	81.4	−.1	Pensacola Airport	105	5	Raiford	60	[1] 17	7.08	+.04	Clearwater	17.65	Key West Airport	2.27
Georgia	79.5	.0	Cedartown	105	4	Tallapoosa	55	22	4.95	−.25	Hawkinsville	10.11	Dalton	1.04
Idaho	65.4	−.9	Swan Falls	105	2	Sun Valley	23	23	.61	−.02	Conda	2.93	3 stations	.00
Illinois	81.9	+7.3	Carbondale	109	6	2 stations	45	1	2.13	−1.27	Gibson City	6.97	Quincy (SW)	.11
Indiana	79.8	+6.1	2 stations	107	6	La Porte	45	1	3.44	+.10	Greencastle	8.64	Hazleton	.18
Iowa	80.6	+7.9	Monroe	109	3	Spencer	40	26	1.49	−2.28	Allison	4.18	Clarion	.18
Kansas	83.2	+5.2	Lincoln	111	[1] 9	2 stations	52	26	1.84	−1.31	Topeka	6.39	Scandia	.07
Kentucky	79.6	+3.7	2 stations	106	[1] 4	Williamsburg	53	26	3.89	+.17	Benham	8.54	Henderson	.92
Louisiana	83.3	+1.4	2 stations	109	[1] 6	North Livingston Twr.	61	2	3.45	−1.68	Morgan City	9.89	Jones	.16
Maryland-Delaware.	76.3	+2.8	3 stations	99	[1] 14	Oakland, Md	47	2	3.26	−1.22	Frostburg, Md	10.20	Annapolis, Md	1.14
Michigan	74.1	+6.8	Greenville	104	6	2 stations	29	1	2.56	−.20	Milford	7.46	Bad Axe	.23
Minnesota	73.7	+6.0	Beardsley	110	10	Grand Marais	33	1	3.65	+.36	New Ulm	7.68	2 stations	.78
Mississippi	82.9	+2.1	3 stations	106	[1] 4	2 stations	60	[1] 11	2.68	−1.46	Bay St. Louis	8.78	Scott	.21
Missouri	83.4	+6.8	Carthage	109	31	Elsberry	56	1	1.81	−2.00	Ellington	6.33	Warrenton	.08
Montana	65.4	+.4	Yellowtail Dam	107	4	West Yellowstone	22	24	1.98	+.89	Plentywood	6.75	Holter Dam	.24
Nebraska	79.5	+6.0	Nenzel (near)	110	4	Gordon	42	25	.98	−1.69	Koshopah (near)	3.59	Nenzel (near)	T
Nevada	70.2	−.5	Overton	115	6	Fish Creek Ranch	24	23	.29	−.20	Kyle Canyon R. S	2.05	15 stations	.00
New England	70.4	+3.3	6 stations	99	[1] 13	Presque Isle, Me	32	30	2.07	−1.68	Westbrook, Conn	7.46	Rockland, Me	.26
New Jersey	74.7	+2.7	Paterson	100	13	2 stations	42	2	3.83	−.89	Hammonton	10.19	Cape May	.42
New Mexico	71.1	+.3	Orogrande	106	7	Eagle Nest	34	2	2.98	+.51	Aspen Grove	9.19	Arch	.10
New York	72.4	+4.7	Saratoga Springs	102	25	3 stations	36	[1] 1	2.42	−1.26	New York City	8.77	Cobleskill	.41
North Carolina	77.2	+1.3	2 stations	100	[1] 1	Banners Elk	47	2	4.89	−.60	Clinton	11.00	Montreat	1.79
North Dakota	70.9	+4.3	Fort Yates	110	3	Center	34	25	2.67	+.58	Hannah	6.64	Forman	.21
Ohio	77.3	+5.6	Napoleon	111	6	Mansfield	41	1	4.38	+1.00	Chillicothe	8.49	2 stations	1.71
Oklahoma	85.1	+3.5	3 stations	113	[1] 9	Kenton	53	26	1.17	−1.72	Carter Mountain Tower.	11.54	5 stations	.00
Oregon	63.1	−2.2	2 stations	103	[1] 2	Fremont	23	31	.40	−.02	Valsetz	2.40	5 stations	.00
Pennsylvania	74.0	+3.7	Farrell	100	[1] 12	2 stations	37	2	3.85	−.30	Farrell	11.46	Holtwood	.87
South Carolina	79.0	−.6	Sumter	99	2	3 stations	59	[1] 6	5.66	−.02	Kingstree	11.96	Walhalla	1.56
South Dakota	77.1	+6.0	3 stations	115	[1] 9	Custer	35	25	1.03	−1.08	Custer	4.26	Roscoe	T
Tennessee	80.5	+3.7	Savannah	108	5	Crossville	50	31	3.12	−.88	Gatlinburg	8.31	Samburg	.14
Texas	83.0	+.2	Throckmorton	119	30	2 stations	52	22	3.04	+.67	College Station	12.60	2 stations	.00
Utah	69.5	−.4	Zion National Park	108	6	Woodruff	27	31	2.18	+1.11	Bryce Canyon	6.48	Lucin	.12
Virginia	76.4	+2.3	Columbia	100	31	Monterey	46	2	4.05	−.35	Newcastle	9.40	New Canton	.43
Washington	64.0	−1.8	Richland	102	2	Stockdill Ranch	28	28	.47	−.35	Diablo Dam	2.33	Quincy	.00
West Virginia	75.8	+4.0	McNeill	101	14	Canaan Valley	39	2	4.65	+.56	Gary	9.66	2 stations	1.22
Wisconsin	75.0	+7.2	Danbury	107	5	Land O'Lakes	33	26	3.63	+.27	Durand	8.02	Grand River Lock	1.06
Wyoming	66.7	+2.6	Arvada	107	3	Bondurant	21	[1] 24	1.07	+.02	Bedford	3.19	Midwest	.15
Alaska (July)	56.7	+1.2	Skwentna	90	21	Puntilla	26	10	2.25	−.39	Radioville	13.07	Barrow	.09
Hawaii	75.0	+.4	Waianae	95	[1] 4	Haleakala R. S	42	22	6.74	+.44	Kukui	46.00	Ukumehame	.00
Puerto Rico	79.3	+.4	Guayama	96	17	Garzas	58	8	5.90	−1.03	Rio Blanco (1800')	16.53	Culebra Island	1.25
Hawaii (July)	74.2	+.3	Kaanapali	91	23	Haleakala R. S	41	[1] 3	4.96	−.75	Kukui	36.00	7 stations	.00

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR AUGUST 1947

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.	
NEW ENGLAND							70.1	+3.2										83	1.59	-1.9											5.0			
Eastport	75	67	85	1,015.6	1,018.3	+3.1	63.1	+2.4	89	12	72	51	28	55	33	86	54	78	.64	-2.4	0.25	5	7.9	s.	27	e.	20	10	12	9	4.9	0.0	0.0	4
Greenville, Maine	1,070	6	41	980.0	1,019.0	+2.7	64.7	+2.4	93	14	80	33	28	50	46	106	59	82	1.02	-2.4	.30	7	3.3	sw.	17	------	31	4	21	6	----	.0	.0	6
Portland, Maine	103	5	43	1,014.6	1,018.3	+2.4	68.6	+4.0	99	13	81	45	2	56	38	38	61	82	.27	-2.9	.17	5	7.6	s.	26	n.	29	13	11	7	4.6	.0	.0	3
Concord [1]	289	4	45	1,008.1	1,018.6	+2.7	70.3	+4.8	98	14	83	42	2	57	37	20	62	80	1.18	-2.4	.62	6	5.5	se.	21	nw.	1	13	7	11	5.1	.0	.0	3
Burlington [1]	403	6	51	999.7	1,017.6	+2.4	73.1	+5.2	97	25	84	46	27	62	36	23	64	76	1.83	-1.5	.91	5	7.6	s.	30	s.	30	10	10	11	5.4	.0	.0	5
Boston [1]	124	33	62	1,014.3	1,018.8	+2.9	73.2	+3.3	99	13	82	54	2	64	28	4	64	78	2.19	-1.4	1.09	7	9.7	sw.	42	ne.	26	14	10	7	4.4	.0	.0	3
Nantucket [1]	12	4	34	1,018.6	1,019.0	+2.7	68.0	+.2	81	26	76	49	2	60	24	19	64	92	.28	-3.1	.27	3	11.1	ne.	26	e.	20	10	14	7	5.2	.0	.0	2
Block Island	26	11	46	1,017.6	1,018.6	+2.3	70.8	+2.3	82	15	76	59	1	65	17	1	66	91	.69	-3.0	.26	5	12.7	sw.	32	n.	26	14	8	9	4.6	.0	.0	4
Providence [2]	159	46	60	1,013.2	1,019.0	+2.7	74.0	+3.0	97	15	84	54	2	64	27	0	64	85	2.01	-1.5	.72	6	7.1	sw.	20	sw.	23	13	9	9	5.1	.0	.0	3
Hartford [1]	159	5	44	1,012.9	1,018.6	+2.3	73.2	+4.3	95	13	84	50	2	63	28	1	65	83	3.31	-1.0	1.12	7	6.5	s.	22	se.	7	11	8	12	5.4	.0	.0	5
New Haven [1]	107	5	39	1,014.9	1,018.6	+2.3	72.1	+3.5	90	15	80	54	2	64	23	1	66	84	4.12	+.2	2.00	7	6.2	sw.	18	se.	7	13	8	10	4.9	.0	.0	4
MIDDLE ATLANTIC							76.5	+3.0										81	4.00	-.2											5.7			
Albany [1]	97	26	40	1,014.2	1,018.0	+1.7	73.9	+4.9	99	25	85	46	2	62	34	5	64	78	.73	-2.4	.29	6	6.2	s.	27	n.	25	10	12	9	5.7	.0	.0	6
Binghamton [2]	871	60	79	988.5	1,018.6	+2.0	73.8	+5.8	95	13	84	44	2	64	35	8	65	83	4.50	+.9	2.34	5	4.3	e.	21	sw.	9	4	18	9	6.3	.0	.0	8
New York [2]	314	415	454	1,007.8	1,019.0	+2.7	75.2	+2.1	94	15	83	61	1	68	24	0	66	80	8.77	+4.4	3.69	9	8.8	s.	42	sw.	15	12	6	13	5.4	.0	.0	6
Harrisburg [1]	374	30	49	1,005.8	1,018.3	+1.7	76.4	+3.8	96	25	86	53	2	67	30	1	64	76	3.24	-.8	2.03	8	5.5	sw.	26	n.	9	8	8	15	6.2	.0	.0	6
Philadelphia [2]	114	5	57	1,014.2	1,018.6	+2.0	76.4	+1.6	93	15	84	61	2	69	20	0	68	84	7.15	+2.5	2.06	11	6.6	s.	22	e.	8	10	10	11	5.6	.0	.0	7
Reading	323	47	306	1,006.8	1,018.3	+2.0	76.4	+3.5	95	13	86	54	2	67	27	0	----	---	3.61	-.6	1.72	8	6.8	se.	30	e.	20	9	9	13	5.9	.0	.0	8
Scranton	805	72	104	989.8	1,018.6	+1.7	74.0	+4.2	92	12	83	47	2	65	31	6	----	---	1.39	-2.3	.46	11	4.6	n.	21	nw.	19	8	13	10	6.0	.0	.0	8
Atlantic City	52	37	172	1,016.3	1,018.0	+1.7	74.6	+2.1	89	31	79	61	2	70	19	0	69	87	3.51	-1.0	2.02	7	13.3	e.	35	ne.	27	12	8	11	5.5	.0	.0	5
Trenton	190	89	107	1,011.5	1,018.3	+2.0	75.1	+2.1	95	15	84	57	2	66	24	0	----	---	5.64	+.9	2.61	11	7.0	s.	41	n.	26	10	10	11	5.4	.0	.0	8
Baltimore [2]	123	100	215	1,013.9	1,018.3	+2.0	78.6	+3.1	97	14	87	61	2	71	23	0	68	78	3.74	-.6	1.05	8	7.7	s.	33	e.	20	11	11	9	5.2	.0	.0	7
Washington [2]	112	56	100	1,014.6	1,018.6	+2.3	79.6	+4.5	97	14	89	61	2	70	28	0	68	77	3.68	-.3	1.30	8	5.7	s.	24	ne.	9	12	9	10	5.5	.0	.0	7
Cape Henry	18	8	54	1,016.9	1,017.6	+1.3	77.6	+.7	95	15	83	67	7	72	21	0	71	84	5.86	+1.0	4.70	4	9.3	e.	34	n.	20	11	10	10	5.3	.0	.0	6
Lynchburg [1]	686	4	50	993.9	1,018.3	+1.4	77.1	+2.8	95	20	87	61	6	67	26	0	69	84	3.48	-.3	2.39	9	5.6	n.	23	s.	8	2	20	9	6.1	.0	.0	12
Norfolk [2]	91	80	125	1,014.9	1,018.3	+1.4	78.8	+1.4	93	16	85	68	7	72	21	0	70	83	2.17	-3.0	1.58	7	7.7	ne.	18	sw.	16	4	15	12	6.2	.0	.0	4
Richmond [2]	144	11	52	1,012.2	1,017.3	+.7	79.4	+2.9	96	14	89	63	6	70	26	0	69	82	2.52	-1.9	1.71	7	5.9	s.	27	nw.	26	10	10	11	5.6	.0	.0	6
SOUTH ATLANTIC							79.5	+1.6										84	5.51	-.1											6.3			
Asheville	2,253	77	92	941.4	1,018.6	+1.3	74.9	+4.4	91	21	85	59	30	64	28	0	66	85	4.27	+.1	1.84	11	5.2	nw.	26	nw.	2	2	16	13	6.8	.0	.0	13
Charlotte [2]	779	63	86	990.9	1,018.0	+1.1	79.6	+2.5	95	17	89	67	30	70	26	0	69	82	3.41	-1.7	.97	14	5.1	s.	18	s.	12	2	17	12	6.6	.0	.0	15
Greensboro [1]	886	6	56	987.5	1,019.0	+1.7	78.2	+2.6	93	22	89	63	6	68	29	0	69	85	3.26	-2.0	1.04	12	5.9	ne.	28	n.	22	3	17	11	6.4	.0	.0	11
Hatteras	11	5	50	1,016.9	1,017.3	+.7	79.0	+1.0	87	15	83	68	7	75	14	0	73	84	9.84	+4.1	3.90	13	8.8	sw.	23	n.	6	3	10	18	7.3	.0	.0	13
Raleigh [2]	376	5	69	1,004.4	1,018.0	+1.4	79.0	+2.0	93	16	89	61	6	69	27	0	70	88	5.19	-.2	1.63	11	5.2	sw.	17	sw.	15	4	16	11	5.8	.0	.0	9
Wilmington	72	73	107	1,015.2	1,017.6	+.7	79.6	+2.0	92	4	87	65	6	72	22	0	72	86	6.11	-.2	1.94	14	6.3	nw.	24	e.	4	6	16	9	6.1	.0	.0	19
Charleston [2]	48	11	92	1,015.9	1,018.0	+1.1	81.2	+.2	95	2	88	72	6	75	19	0	72	88	6.79	+.3	3.31	14	7.8	se.	24	w.	26	5	16	10	6.0	.0	.0	15
Columbia, S. C. [2]	347	70	91	1,005.4	1,018.0	+1.1	80.6	+1.0	95	1	90	66	13	72	25	0	72	82	6.33	+.9	2.50	11	5.9	s.	19	n.	25	9	11	11	5.4	.0	.0	11
Greenville, S. C. [1]	1,040	18	36	981.7	1,018.3	+1.7	78.6	+2.8	95	1	88	65	31	69	26	0	69	80	4.10	-1.4	3.04	12	6.3	ne	45	n.	26	2	16	13	6.7	.0	.0	15
Augusta [2]	182	62	77	1,011.5	1,017.6	+1.3	80.4	.0	96	1	89	67	10	72	25	0	70	82	7.18	+2.2	1.50	14	4.5	s.	25	n.	26	5	17	9	6.1	.0	.0	15
Savannah [1]	65	73	152	1,015.6	1,018.0	+1.4	80.7	+.8	97	2	89	69	4	73	26	0	74	86	4.68	-2.6	.90	14	7.7	se.	43	ne.	4	0	21	10	6.6	.0	.0	13
Jacksonville [2]	43	86	110	1,016.3	1,018.0	+1.1	82.2	+.5	96	4	90	72	20	75	23	0	73	83	4.93	-.9	.95	16	7.3	e.	24	se.	19	6	16	9	6.0	.0	.0	13
FLORIDA PENINSULA							82.0	-.3										81	7.61	+1.4											6.6			
Key West [2]	21	10	64	1,015.2	1,015.9	+.3	83.6	+.1	91	8	89	72	22	79	16	0	74	78	3.89	-.6	1.86	13	8.1	e.	23	s.	20	3	20	8	6.1	.0	.0	10
Miami [2]	25	242	249	1,015.9	1,016.6	.0	80.9	-1.2	89	30	85	69	19	76	16	0	74	80	7.34	+1.5	4.11	16	11.0	se.	46	se.	19	4	14	13	6.6	.0	.0	14
Tampa [1]	35	6	43	1,015.9	1,017.3	+.7	81.6	+.1	96	4	90	68	19	73	21	0	73	86	11.59	+3.4	2.87	23	6.5	ne.	34	s.	1	1	15	15	7.1	.0	.0	24
EAST GULF							81.4	+1.3										81	4.82	-.4											5.8			
Atlanta [1]	1,173	33	72	983.5	------	----	79.2	+1.2	100	4	89	65	7	69	29	0	68	77	5.67	+1.0	1.67	13	7.6	se.	27	n.	2	3	18	10	6.4	.0	.0	12
Macon [2]	370	79	87	1,004.4	1,017.6	+1.0	79.8	-.1	96	2	89	67	12	70	28	0	70	81	3.03	-1.3	.93	13	5.1	n.	30	n.	4	3	11	17	6.9	.0	.0	15
Apalachicola	35	11	51	1,015.9	1,017.3	+1.0	81.2	0	95	28	88	72	14	75	19	0	74	84	5.92	-1.6	1.23	15	7.3	se.	39	e.	19	5	19	7	5.5	.0	.0	14
Pensacola [2]	56	54	79	1,015.6	1,017.3	+1.0	82.0	+1.1	103	5	89	70	14	75	33	0	74	83	7.80	-.2	1.77	15	6.7	se.	26	e.	5	7	13	11	5.6	.0	.0	13
Anniston [2]	----	----	----	997.3	1,019.3	+3.7	79.9	+1.7	102	4	92	64	5	68	38	0	70	83	6.56	+2.5	2.36	12	----	ne.	--	------	--	0	19	12	----	.0	.0	10
Birmingham [1]	700	5	62	993.2	1,018.0	+1.1	81.0	+2.5	103	4	92	67	27	71	29	0	70	80	5.52	+1.3	2.48	10	5.9	se.	34	ne.	10	5	14	12	6.4	.0	.0	10
Mobile [2]	57	86	161	1,015.6	1,017.6	+1.3	82.6	+1.6	101	5	90	71	14	75	23	0	72	84	4.62	-2.3	1.00	11	6.5	s.	24	nw.	6	9	12	10	5.5	.0	.0	13
Montgomery [2]	218	92	105	1,009.8	1,017.6	+1.0	81.7	+.9	103	5	91	69	15	73	29	0	72	80	5.08	+.8	2.06	14	5.7	e.	25	e.	12	8	13	10	5.7	.0	.0	14
Meridian [2]	375	67	92	1,004.4	1,017.3	+1.4	82.0	+2.5	100	5	93	69	14	72	29	0	70	78	.86	-3.7	.50	6	4.9	e.	22	ne.	6	15	13	3	4.4	.0	.0	7
Vicksburg [2]	247	82	102	1,008.1	1,016.6	+.3	83.1	+2.3	98	7	93	69	15	74	24	0	72	83	2.65	-.8	1.06	5	6.3	s.	25	n.	14	13	9	9	4.7	.0	.0	8
New Orleans	53	76	84	1,014.9	1,016.9	+1.0	83.2	+1.0	98	5	91	71	8	75	24	0	74	78	5.28	-.5	1.87	15	5.7	se.	24	e.	31	1	14	16	7.0	.0	.0	10
WEST GULF							84.3	+1.8										73	4.38	+1.1											5.0			
Shreveport [1]	249	5	64	1,007.1	1,015.9	+.7	85.6	+3.9	106	9	97	70	15	74	32	0	67	70	2.77	+.1	1.14	7	7.1	se.	34	e.	15	15	10	6	4.3	.0	.0	6
Fort Smith [1]	463	57	82	999.0	1,014.6	.0	86.4	+5.9	108	9	100	69	23	73	36	0	67	62	1.38	-1.9	.58	7	6.3	ne.	32	ne.	11	12	14	5	4.4	.0	.0	8
Little Rock [1]	357	26	58	1,003.7	1,016.6	+1.0	85.0	+5.2	103	7	96	71	17	74	29	0	70	70	1.09	-2.7	.77	6	6.5	sw.	25	s.	14	17	11	3	3.8	.0	.0	3
Austin [1]	605	10	41	993.9	1,015.2	+1.0	83.3	-.5	104	10	94	70	22	73	32	0	70	74	2.12	+.1	.68	7	7.9	s.	37	sw.	10	8	16	7	5.3	.0	.0	7
Brownsville [1]	57	5	54	1,011.5	1,013.5	+.3	83.4	-.5	97	28	93	71	21	74	23	0	74	82	6.93	+4.1	3.01	13	9.1	se.	34	se.	4	5	16	10	6.0	.0	.0	9
Corpus Christi [1]	20	4	33	1,014.2	1,014.9	+.3	82.6	+1.0	95	24	91	71	2	74	23	0	74	83	5.05	------	2.90	10	9.4	se.	34	se.	3	11	14	6	4.9	.0	.0	9
Dallas [1]	512	5	45	997.0	1,014.9	+.3	86.4	+2.9	109	9	97	67	11	76	31	0	68	60	10.81	+8.0	9.18	7	8.8	s.	34	nw.	11	17	12	2	3.6	.0	.0	5
Fort Worth [1]	679	40	56	991.2	1,014.6	+.7	86.2	+3.5	106	10	96	72	26	76	25	0	66	58	4.18	+1.6	3.83	3	10.1	s.	26	se.	26	14	14	3	4.2	.0	.0	2
Galveston [2]	54	106	114	1,013.5	1,015.6	+.4	82.8	-.2	95	31	88	72	21	78	17	0	76	83	4.85	+.6	2.24	12	12.2	s.	66	e.	24	8	13	10	5.7	.0	.0	9
Houston [2]	138	157	190	1,010.5	1,015.2	.0	83.8	+.6	103	9	92	71	18	75	27	0	74	82	4.52	+.4	2.00	8	9.3	se.	43	ne.	10	8	9	14	6.2	.0	.0	8
Palestine	510	64	72	998.3	1,015.9	+.7	83.6	+1.8	104	9	94	70	18	74	25	0	68	65	1.13	-1.0	.90	4	6.5	s.	25	se.	11	11	16	4	4.4	.0	.0	5
Port Arthur [2]	34	59	134	1,014.2	1,015.6	+.4	83.5	+.3	102	9	91	71	11	76	23	0	74	84	6.74	+.7	2.66	15	11.7	s.	40	se.	11	5	11	15	6.1	.0	.0	17
San Antonio [1]	693	8	51	990.9	1,015.2	+1.3	83.3	-.2	104	10	95	69	26	72	32	0	70	75	5.34	+2.9	2.25	14	7.7	s.	40	s.	2	6	16	9	5.9	.0	.0	13

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR AUGUST 1947—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							79.7	+5.5										81	3.10	−.6											5.5			
Chattanooga [1]	762	6	66	990.9	1,017.3	+.7	81.4	+5.7	105	4	93	66	20	70	32	0	70	80	1.10	−2.9	.37	7	5.6	s.	33	nw.	8	0	19	12	6.6	.0	.0	15
Knoxville [1]	995	27	53	983.4	1,018.3	+1.4	79.2	+3.8	93	17	90	65	31	69	27	0	70	82	2.11	−1.8	.44	14	5.0	ne.	47	nw.	2	1	17	13	7.0	.0	.0	17
Memphis [4]	399	5	86	1,002.4	1,016.3	+.4	84.8	+6.4	103	4	97	70	26	73	29	0	70	74	2.42	−.9	1.49	6	6.3	sw.	34	nw.	7	15	12	4	4.0	.0	.0	11
Nashville [1]	546	5	72	998.0	1,017.3	+.7	82.4	+4.6	102	5	94	66	30	71	30	0	70	76	3.05	−.7	.90	11	5.9	s.	34	se.	10	9	18	4	4.9	.0	.0	12
Lexington [1]	989	4	28	982.4	1,017.6	+1.3	79.0	+4.5	96	30	89	64	30	69	32	0	71	86	2.88	−.6	1.39	10	----	s.	----	----	----	5	21	5	5.7	.0	.0	14
Louisville [1]	525	106	120	998.3	1,016.9	+.3	81.0	+4.9	100	5	91	63	1	71	31	0	71	78	1.75	−1.7	.84	7	5.1	s.	31	n.	2	9	14	8	5.2	.0	.0	11
Evansville [1]	431	11	40	1,001.7	1,016.9	+.6	81.1	+6.1	100	6	92	60	1	70	27	0	72	82	2.26	−1.1	.95	6	5.1	s.	34	nw.	7	8	19	4	4.8	.0	.0	7
Indianapolis [1]	823	5	54	987.5	1,016.6	.0	79.0	+6.6	97	6	89	56	1	69	27	0	70	80	5.22	------	1.77	9	6.5	sw.	43	w.	14	13	11	7	4.6	.0	.0	10
Terre Haute [3]	575	68	149	996.6	1,016.9	+1.0	81.0	+6.2	102	5	93	51	1	70	36	0	72	78	2.47	−.8	1.28	6	6.3	s.	27	nw.	14	11	13	7	4.5	.0	.0	11
Cincinnati [2]	627	11	51	995.3	1,017.6	+1.0	81.4	+7.8	101	6	91	60	1	72	28	0	70	80	2.15	−1.3	1.40	6	3.5	se.	19	nw.	25	8	14	9	5.4	.0	.0	13
Columbus [2]	822	90	110	988.5	1,017.6	+1.0	79.4	+6.4	96	4	88	54	1	70	25	0	70	83	3.64	+.4	1.02	12	6.3	s.	25	sw.	5	8	16	7	5.4	.0	.0	7
Dayton [1]	1,003	6	55	982.1	1,017.6	+1.3	78.3	+5.4	95	5	88	54	1	69	27	0	68	80	4.85	+1.6	1.82	11	5.7	s.	45	sw.	14	10	15	6	5.1	.0	.0	12
Elkins [1]	1,947	4	45	951.2	1,019.0	+1.4	72.2	+3.9	88	13	83	48	2	61	33	5	66	91	2.18	−1.7	.58	10	4.0	se.	31	nw.	9	2	15	14	6.9	.0	.0	18
Parkersburg	637	77	84	994.9	1,017.6	+.3	78.7	+4.8	95	11	89	56	1	69	28	0	70	82	9.03	+5.5	3.07	10	4.3	se.	26	nw.	26	6	13	12	6.3	.0	.0	10
Pittsburgh [1]	842	39	54	987.8	1,017.6	+1.0	76.6	+5.3	93	13	86	53	1	67	25	1	66	78	1.42	−1.8	.61	11	6.7	s.	26	nw.	26	2	13	16	6.8	.0	.0	14
LOWER LAKES							75.8	+6.7										78	2.92	−.1											4.8			
Buffalo [1]	768	34	96	990.2	1,017.6	+1.7	75.2	+6.8	94	6	86	47	1	65	33	5	66	78	1.80	−1.3	.65	7	9.5	sw.	36	sw.	30	15	7	9	4.7	.0	.0	5
Canton	448	10	61	1,011.7	1,017.3	+2.4	71.6	+5.1	92	13	82	43	1	61	33	27	62	75	1.55	−2.1	.78	7	6.0	sw.	21	sw.	30	12	12	7	4.8	.0	.0	5
Oswego	335	71	85	1,005.4	1,017.6	+1.7	73.4	+5.6	95	13	81	50	2	66	26	10	66	78	1.50	−1.1	.69	6	6.7	se.	22	n.	31	17	6	8	4.5	.0	.0	4
Rochester [1]	523	5	69	999.3	1,018.0	+1.7	75.0	+7.1	96	13	86	47	2	64	36	8	66	80	2.42	−.5	.99	7	6.3	sw.	29	sw.	30	13	8	10	5.2	.0	.0	8
Syracuse [1]	596	5	57	996.6	1,018.3	+1.7	74.2	+6.9	96	13	85	45	2	64	34	12	66	80	3.70	+.8	1.98	8	5.9	sw.	25	sw.	14	7	14	10	5.6	.0	.0	7
Erie [2]	714	57	81	991.9	1,017.6	+1.3	76.4	+6.8	94	7	83	55	2	69	24	3	67	83	2.06	−1.2	1.06	6	6.1	se.	17	sw.	30	18	6	7	4.3	.0	.0	5
Cleveland [1]	762	27	54	990.2	1,017.6	+1.0	77.8	+7.6	99	19	88	52	2	67	29	1	68	80	5.19	+2.4	3.07	10	6.8	s.	40	nw.	30	8	17	6	5.2	.0	.0	9
Sandusky	629	5	67	994.9	1,017.6	+1.3	77.8	+6.0	97	6	86	57	1	70	28	2	----	----	4.57	+1.4	1.54	7	6.2	ne.	22	nw.	28	14	13	4	4.4	.0	.0	6
Toledo [1]	628	5	47	994.6	1,017.3	+.7	77.2	+7.0	98	6	88	48	1	66	33	5	67	79	4.13	+1.3	1.48	11	7.0	sw.	34	n.	28	12	14	5	4.8	.0	.0	13
Fort Wayne [1]	857	5	33	986.5	1,016.9	+.3	78.7	+7.8	100	6	90	52	1	68	29	1	67	74	2.38	−.7	1.48	6	5.7	s.	33	w.	14	14	11	6	4.7	.0	.0	10
Detroit [1]	730	5	78	991.9	1,018.0	+1.4	76.6	+7.4	97	6	86	48	1	67	27	5	66	76	2.85	+.1	1.35	11	6.4	n.	26	nw.	14	9	15	7	5.1	.0	.0	12
UPPER LAKES							+73.4	7.3										76	2.82	−.1											4.4			
Alpena	609	5	89	995.3	1,018.0	+1.4	71.3	+7.2	98	18	80	43	1	62	27	24	62	78	1.28	−1.6	.53	8	8.4	se.	27	se.	17	12	15	4	4.2	.0	.0	5
Escanaba	612	51	72	994.6	1,016.9	+1.0	70.0	+5.7	89	24	77	46	1	63	25	25	63	80	3.01	−.2	1.28	9	9.0	s.	24	n.	25	15	11	5	4.1	.0	.0	7
Grand Rapids [3]	707	70	244	991.5	1,016.9	+.6	79.1	+9.4	101	5	90	50	1	68	31	2	64	70	2.20	−.4	1.53	6	8.1	s.	27	sw.	30	13	15	3	4.0	.0	.0	7
Lansing [3]	878	5	90	986.1	1,017.3	+1.0	75.2	+6.7	95	18	85	47	1	65	27	6	64	74	3.86	+1.0	1.35	12	5.4	s.	23	n.	28	7	19	5	5.2	.0	.0	13
Marquette	734	44	73	989.2	1,015.9	.0	70.9	+7.1	102	5	81	46	29	61	37	35	62	78	3.38	+.7	1.36	9	8.1	s.	25	sw.	10	12	12	7	4.6	.0	.0	10
Sault Saint Marie [1]	614	11	52	994.9	1,017.3	+1.4	69.8	+9.0	98	6	82	36	1	57	36	36	60	81	.50	−2.2	.11	10	9.3	e.	31	sw.	13	11	15	5	4.7	.0	.0	6
Chicago [1]	673	5	36	992.6	1,016.6	+.3	80.2	+8.6	101	6	91	52	1	70	30	0	67	74	3.16	+.1	1.20	6	6.6	s.	25	n.	29	18	10	3	3.5	.0	.0	8
Green Bay	617	5	32	994.2	1,016.6	+1.0	75.0	+7.3	99	6	86	46	1	64	35	7	63	72	4.66	+1.5	2.34	12	6.8	s.	23	nw.	18	15	11	5	4.1	.0	.0	11
Milwaukee [1]	681	33	66	992.2	1,016.6	+.3	75.8	+8.2	99	4	85	49	1	66	35	7	66	76	1.58	−1.1	1.04	6	9.4	sw.	29	n.	24	15	10	6	4.1	.0	.0	7
Duluth [3]	1,133	5	47	974.3	1,015.2	.0	66.8	+4.2	94	11	75	48	28	58	32	56	60	82	4.62	+1.4	1.68	10	9.5	ne.	40	w.	17	9	12	10	5.5	.0	.0	10
NORTH DAKOTA							71.8	+6.2										66	2.87	+.7											4.2			
Fargo [1]	940	6	47	978.3	1,011.9	−2.3	73.9	+7.8	105	4	86	46	28	61	34	18	58	64	2.49	−.4	.69	12	12.9	s.	34	e.	7	14	15	2	4.3	.0	.0	9
Bismarck [1]	1,677	5	43	952.3	1,011.2	−3.0	72.8	+6.1	105	21	87	43	25	59	41	26	56	65	1.13	−.7	.39	8	11.0	se.	34	nw.	5	15	13	3	3.8	.0	.0	8
Devils Lake	1,478	11	44	959.7	1,012.2	−1.7	71.4	+6.6	103	4	84	43	27	59	36	32	56	64	2.66	+.2	.77	13	8.1	se.	26	n.	5	12	15	4	4.6	.0	.0	12
Grand Forks [1]	832	4	41	982.4	1,012.5	−1.4	70.6	------	102	4	83	44	28	58	33	34	60	72	3.03	------	.69	11	----	se.	----	----	----	10	14	7	----	.0	.0	13
Williston	1,878	42	50	945.1	1,010.5	−2.7	70.4	+4.3	99	3	82	46	25	59	35	29	56	66	5.06	+3.6	1.53	13	7.0	se.	41	w.	5	13	15	3	3.9	.0	.0	14
UPPER MISSISSIPPI							81.3	+8.8										69	1.79	−1.5											3.7			
Minneapolis-St. Paul [1]	919	43	74	981.0	1,013.5	−1.1	78.2	+8.3	102	4	89	52	26	68	31	2	64	67	2.41	−.7	.87	10	10.3	se.	35	ne.	31	17	8	6	3.9	.0	.0	10
La Crosse [1]	714	5	29	989.5	1,014.9	−.3	77.5	+8.1	100	18	88	50	26	66	31	6	66	74	2.25	−1.5	1.28	7	7.9	s.	25	s.	17	17	10	4	3.6	.0	.0	14
Madison [1]	974	70	78	981.7	1,016.3	+.7	77.8	+8.3	101	22	90	47	1	65	39	4	66	73	2.58	−.6	1.18	7	7.4	s.	33	n.	24	16	9	6	4.1	.0	.0	12
Charles City	1,015	10	51	979.7	1,015.6	−.3	78.7	+9.6	100	3	91	52	26	67	34	1	----	----	2.52	−1.0	2.51	3	6.0	s.	18	s.	5	17	11	3	3.1	.0	.0	7
Moline [1]	606	6	50	994.2	1,016.3	+.4	81.0	+9.3	100	4	92	55	1	70	29	0	68	69	.52	−3.0	.42	5	6.4	e.	26	nw.	29	20	8	3	3.2	.0	.0	6
Des Moines [2]	860	5	99	------	1,014.9	.0	82.7	+9.6	102	3	94	60	26	72	31	0	65	62	1.18	−2.3	1.00	5	8.3	se.	38	sw.	25	15	11	5	4.1	.0	.0	4
Dubuque	699	60	79	990.9	1,015.6	−.3	80.6	+8.9	99	4	91	57	1	70	28	0	68	71	2.60	−.6	2.22	4	4.4	s.	17	ne.	28	16	13	2	3.6	.0	.0	7
Burlington [1]	702	4	36	990.9	1,015.9	+.7	82.4	+8.4	103	24	95	56	1	70	35	0	69	72	1.86	−1.7	.84	7	7.5	s.	54	n.	30	17	11	3	3.6	.0	.0	6
Cairo	357	5	99	1,004.1	1,016.6	+1.0	84.8	+6.0	103	5	94	72	27	75	25	0	----	--	.87	−2.2	.46	5	5.5	sw.	22	se.	6	12	13	6	4.5	.0	.0	8
Peoria [1]	609	6	26	994.6	1,016.3	−.3	82.0	+10.5	101	2	94	54	1	70	30	0	68	68	1.33	−1.8	.95	6	6.9	sw.	26	ne.	24	13	14	4	4.0	.0	.0	6
Springfield, Ill. [2]	636	5	191	993.6	1,016.3	+.4	84.4	+9.9	102	3	95	57	1	74	30	0	69	72	1.85	−1.3	1.43	2	8.7	s.	29	n.	24	18	11	2	3.3	.0	.0	4
St. Louis [2]	568	35	303	996.3	1,015.9	+.3	85.6	+8.1	102	24	95	64	1	76	27	0	----	61	1.55	−1.4	.95	6	8.9	sw.	26	w.	14	20	7	4	----	.0	.0	7
MISSOURI VALLEY							82.8	+8.9										62	1.83	−1.5											3.4			
Columbia, Mo. [2]	784	6	66	988.2	1,015.9	+2.0	85.0	+8.7	104	30	96	68	1	74	29	0	68	66	1.20	−2.4	.42	6	5.3	s.	17	s.	7	23	7	1	2.9	.0	.0	4
Kansas City [1]	963	39	76	988.2	1,014.6	.0	86.2	+9.6	106	9	97	70	26	76	33	0	67	58	4.35	+.8	2.73	5	9.4	sw.	29	w.	6	21	6	4	3.3	.0	.0	5
St. Joseph [1]	967	11	49	980.4	1,013.9	−.3	84.4	+7.9	105	9	96	65	15	73	32	0	68	65	.76	−3.1	.34	5	6.6	s.	20	nw.	25	25	2	4	2.6	.0	.0	4
Springfield, Mo. [1]	1,324	5	67	971.6	1,015.9	+.3	82.4	------	102	31	95	66	29	70	31	0	67	65	.88	−3.2	.74	9	8.8	s.	49	w.	6	18	9	4	3.1	.0	.0	8
Topeka [2]	987	65	87	979.7	1,014.6	+1.4	85.8	+9.6	107	30	98	68	26	74	34	0	68	66	6.39	+2.3	4.54	4	7.7	s.	26	sw.	5	22	5	4	3.5	.0	.0	5
Lincoln [2]	1,189	11	81	971.2	1,012.9	−1.0	84.5	+10.1	106	9	96	58	26	73	34	0	64	60	2.13	−1.4	1.15	3	9.2	s.	25	s.	5	20	8	3	3.1	.0	.0	2
Omaha [1]	1,105	5	68	974.9	1,013.5	−1.1	83.2	+10.0	102	2	94	58	26	72	29	0	66	64	1.06	−2.0	.60	6	10.8	s.	30	se.	31	20	9	2	3.2	.0	.0	7
Valentine	2,598	46	54	923.1	1,012.9	−1.7	78.5	+6.8	108	9	92	53	14	65	43	0	55	52	.06	−2.1	.05	3	9.8	s.	34	nw.	2	19	5	7	3.9	0	.0	5
Sioux City [1]	1,138	5	40	973.9	1,012.9	−1.3	80.8	+9.7	104	3	94	49	26	68	35	0	65	62	.63	−2.5	.20	7	9.5	s.	26	sw.	4	19	5	7	4.0	.0	.0	10
Huron [1]	1,301	5	41	966.1	1,011.9	−2.3	77.4	+8.0	109	9	92	49	14	63	38	5	60	64	.83	−1.6	.33	9	12.5	se.	34	s.	22	17	8	6	3.9	.0	.0	8
NORTHERN SLOPE							70.1	+3.1										54	1.29	+.1											4.4			
Billings [1]	3,570	16	40	890.3	1,011.2	−3.0	71.8	+1.2	100	8	87	47	11	57	40	14	50	54	1.04	------	.39	8	9.9	sw.	51	nw.	12	16	12	3	4.0	.0	.0	10
Havre	2,507	11	67	924.8	1,012.5	−1.4	68.1	+2.7	101	8	82	43	24	54	43	38	46	56	1.41	+.2	.74	8	8.0	sw.	43	sw.	4	7	12	12	5.8	.0	.0	7
Helena [1]	4,124	5	43	873.0	1,012.5	−1.7	65.4	+.8	97	8	82	40	13	49	49	54	42	52	.50	−.3	.32	5	7.9	w.	49	s.	21	11	17	3	4.6	.0	.0	17
Missoula [1]	3,205	4	32	900.8	1,013.5	−.7	65.0	+.8	92	2	82	39	10	48	47	70	43	54	2.18	+1.4	1.43	6	6.8	nw.	33	nw.	9	14	12	5	4.2	.0	.0	9
Kalispell	2,973	48	56	910.6	1,012.2	−1.7	62.4	−.4	85	1	76	37	10	49	40	113	46	62	3.28	+2.4	2.08	9	5.7	w.	18	n.	7	10	14	7	5.2	.0	.0	9
Miles City [1]	2,371	5	78	928.5	1,010.8	−3.1	75.1	------	106	3	91	45	25	59	44	7	51	52	1.83	------	.77	8	----	nw.	----	----	----	20	10	1	3.3	.0	.0	12
Rapid City [1]	3,259	5	63	900.4	1,011.2	−3.4	75.3	+5.8	106	9	91	46	25	60	45	4	52	52	.46	−1.2	.16	7	13.0	s.	49	nw.	12	18	11	2	3.6	.0	.0	10
Cheyenne [1]	6,094	5	40	816.5	1,014.2	−.4	68.6	+3.0	93	1	83	46	13	54	38	25	48	56	1.37	−.2	.31	12	8.2	nw.	28	nw.	4	8	14	9	5.5	.0	.0	11
Lander [1]	5,352	60	68	837.1	1,013.5	−.4	68.4	+2.9	93	7	84	44	25	52	40	21	43	46	.54	+.1	.33	4	7.7	sw.	32	w.	9	15	9	7	4.1	.0	.0	5
Sheridan [1]	3,790	5	38	883.5	1,011.9	−4.0	72.3	+5.8	100	8	90	45	13	54	45	12	46	49	.52	−.4	.45	5	7.4	nw.	56	nw.	12	17	13	1	3.4	.0	.0	10
North Platte [3]	2,821	11	51	915.7	1,012.2	−2.0	79.2	+8.4	102	9	92	56	26	66	36	0	60	61	1.05	−1.3	.74	4	7.0	s.	24	s.	22	14	10	7	4.4	.0	.0	7

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR AUGUST 1947—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
MIDDLE SLOPE	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.	°F.	°F.	°F.		°F.	°F.		°F.	°F.		°F.	%	In.	In.	In.		Mi.								0-10	In.	n.	
							81.7	+5.2										58	.87	−1.7											3.9			
Denver [2]	5,292	106	113	840.2	1,013.5	−1.1	74.1	+3.4	96	9	86	55	25	62	32	3	50	56	1.16	−.3	.41	11	6.9	s.	27	nw.	12	8	17	6	5.4	.0	.0	9
Pueblo [1]	4,690	5	36	858.5	1,012.9	−.6	74.6	+1.9	99	10	90	52	27	60	39	0	52	56	1.04	−.8	.40	6	6.8	nw.	33	nw.	4	9	18	4	4.7	.0	.0	8
Concordia	1,392	50	58	964.8	1,012.9	−1.0	84.8	+8.3	105	9	96	63	26	74	35	0	62	53	.30	−2.6	.17	4	8.5	s.	21	sw.	4	24	3	4	3.1	.0	.0	2
Dodge City [1]	2,509	5	58	927.5	1,012.9	−1.0	81.8	+4.1	103	31	94	64	26	69	33	0	62	59	1.15	−1.5	.57	6	14.7	s.	36	s.	5	20	7	4	3.4	.0	.0	7
Wichita [1]	1,358	6	64	966.8	1,013.5	0.0	85.0	+6.7	105	9	97	68	26	73	31	0	63	56	.82	−2.3	.57	5	12.7	s.	34	s.	5	19	8	4	3.5	.0	.0	5
Oklahoma City [2]	1,214	10	47	972.2	1,014.6	+.7	85.6	+5.9	106	10	97	69	12	74	30	0	66	63	1.19	1.7	1.13	4	7.7	s.	20	s.	14	19	10	2	3.2	.0	.0	1
Tulsa [1]	674	10	60	990.9	1,014.6	-----	85.9	+5.8	114	30	98	69	12	73	39	0	68	62	.43	−2.8	.32	4	8.7	sw.	23	sw.	13	14	14	3	4.3	.0	.0	4
SOUTHERN SLOPE																																		
							80.8	+1.9										59	1.50	−.8											4.8			
Abilene [1]	1,738	4	59	954.6	1,013.9	+.7	84.0	+3.7	104	10	96	67	21	72	29	0	62	56	.48	−1.8	.20	5	12.1	s.	34	s.	11	6	20	5	5.1	.0	.0	5
Amarillo [1]	3,676	5	42	891.4	1,013.5	−.4	79.0	+4.4	99	11	93	58	27	65	35	0	56	52	.39	−2.7	.15	6	13.3	s.	34	sw.	5	14	10	7	4.4	.0	.0	6
Del Rio	960	63	71	980.7	1,013.2	+1.0	82.4	−1.8	97	10	91	70	11	74	26	0	70	72	3.58	+1.9	2.23	8	8.6	se.	30	se.	1	7	13	11	5.7	.0	.0	7
Roswell	3,566	75	85	894.7	1,014.2	+1.3	77.8	+1.2	101	11	92	59	19	64	40	0	56	57	1.55	−.6	.90	6	7.9	se.	31	nw.	13	16	9	6	4.0	.0	.0	11
SOUTHERN PLATEAU																																		
							80.3	+.6										52	1.89	+.3											5.0			
El Paso [1]	3,778	29	85	886.6	1,010.8	−.4	80.0	+2.0	99	11	91	63	17	69	28	0	57	50	1.63	−.1	.47	8	9.5	se.	34	e.	19	13	10	8	4.8	.0	.0	14
Albuquerque [1]	5,314	5	45	840.5	1,011.9	+1.1	76.0	+2.1	96	7	88	57	25	64	31	0	52	52	1.45	+.2	.38	10	7.4	sw.	47	se.	11	7	19	5	5.2	.0	.0	15
Flagstaff	6,907	36	51	794.8	-----	-----	63.9	+.1	87	1	79	40	23	49	40	59	48	66	4.25	+1.5	.73	16	----	nw.	----	-----	----	2	21	8	6.5	.0	.0	15
Phoenix [2]	1,107	39	87	970.9	1,008.5	−.3	88.4	−.1	110	6	101	71	18	76	34	0	62	48	1.21	+.3	.46	9	6.8	w.	34	se.	8	12	14	5	4.5	.0	.0	7
Tucson [1]	2,555	5	39	924.5	1,010.5	+2.0	83.7	−.5	105	6	96	66	9	72	31	0	61	54	2.24	−.1	.72	12	----	nw.	----	-----	----	8	12	11	5.8	.0	.0	13
Yuma	142	9	54	1,003.1	1,007.8	−.3	89.9	−.5	113	6	104	64	29	76	42	0	60	45	.57	+.1	.29	3	5.1	s.	26	ne.	6	20	8	3	3.0	.0	.0	5
MIDDLE PLATEAU																																		
							73.6	−.1										41	.82	+.1											3.4			
Reno [1]	4,527	20	52	861.5	1,012.5	.0	66.1	+.4	95	18	87	33	22	45	51	42	36	45	.12	−.1	.10	2	7.6	s.	32	se.	13	25	6	0	1.9	.0	.0	5
Winnemucca	4,339	5	56	866.6	1,011.2	−2.0	68.6	−.7	96	18	89	37	30	48	51	31	32	29	.01	−.2	.01	1	7.6	sw.	26	sw.	9	25	6	0	2.0	.0	.0	2
Modena	5,473	10	46	835.1	1,011.5	−.7	85.2	−.3	93	6	85	40	31	53	49	19	43	37	1.32	.0	.98	5	10.2	sw.	36	sw.	21	17	13	1	3.4	.0	.0	7
Salt Lake City [1]	4,227	32	58	866.9	1,011.5	−.7	74.1	+1.3	96	6	88	46	23	61	38	1	48	46	1.38	+.5	.81	9	11.9	se.	38	nw.	10	15	10	6	4.0	.0	.0	11
Grand Junction [1]	4,602	60	68	861.2	1,013.5	.0	74.0	−1.4	99	2	87	52	25	61	34	0	51	50	1.27	+.1	.59	11	8.7	e.	34	nw.	10	7	16	8	5.8	.0	.0	15
NORTHERN PLATEAU																																		
							68.8	−.3										44	.30	−.1											3.3			
Baker [2]	3,471	36	54	894.3	1,013.2	−2.0	64.5	−.1	94	2	82	39	24	47	46	74	38	51	.05	−.4	.05	1	6.0	n.	23	sw.	29	20	10	1	3.1	.0	.0	1
Boise [1]	2,739	5	49	916.4	1,010.2	−2.7	72.3	+1.3	103	2	88	49	10	57	44	10	36	32	.05	−.1	.05	1	9.6	nw.	42	se.	2	24	5	2	2.8	.0	.0	0
Pocatello [1]	4,478	5	31	862.9	1,012.2	−.7	70.2	+1.3	96	6	86	37	23	54	46	28	40	37	.59	+.1	.22	8	11.3	s.	38	sw.	15	17	11	3	3.5	.0	.0	11
Spokane [1]	1,929	27	42	944.8	1,012.5	−1.4	66.7	−1.4	94	2	81	46	10	52	41	36	44	49	.83	+.2	.35	8	6.4	ne.	34	sw.	3	13	9	9	4.7	.0	.0	5
Walla Walla	991	57	65	977.3	1,012.5	−1.0	72.0	−.7	97	2	84	52	19	60	39	3	----	----	.12	−.4	.10	3	5.6	w.	22	sw.	29	25	2	4	2.5	.0	.0	1
Yakima [1]	1,076	58	67	974.3	1,012.5	−1.7	67.2	−2.0	97	2	86	38	19	49	46	28	44	52	.13	−.2	.07	3	----	nw.	----	-----	----	20	6	5	3.4	.0	.0	2
NORTH PACIFIC COAST																																		
							63.2	−.6										73	.69	−.1											5.2			
North Head	211	5	55	1,009.8	1,017.3	−1.0	59.5	+1.9	68	8	64	51	20	55	14	172	54	84	1.95	+.9	1.34	10	11.6	n.	31	n.	12	6	10	15	6.5	.0	.0	0
Seattle [2]	125	90	321	1,011.9	1,016.3	−1.0	64.2	−.9	82	25	73	49	21	55	27	49	52	69	.54	−.2	.52	4	6.5	w.	23	sw.	7	11	8	12	5.4	.0	.0	1
Tacoma	194	172	201	1,009.5	1,016.3	−1.0	63.0	+.4	79	14	72	49	20	54	27	70	----	----	.16	−.6	.07	6	7.2	n.	24	sw.	7	8	19	4	4.8	.0	.0	1
Tatoosh Island	86	9	61	1,013.9	1,016.9	−1.1	56.2	+.9	67	2	60	46	20	52	14	275	54	94	.66	−1.4	.44	6	9.1	s.	33	s.	3	4	10	17	6.7	.0	.0	0
Medford [1]	1,329	29	58	967.2	1,013.9	.0	67.6	−3.5	94	17	84	44	21	52	44	29	49	58	.30	+.1	.18	2	----	nw.	----	-----	----	17	11	3	3.2	.0	.0	2
Portland, Oreg. [2]	154	68	106	1,010.5	1,016.3	−.3	66.3	−.4	87	25	76	48	20	57	27	29	52	67	.27	−.4	.14	6	5.3	nw.	24	w.	3	9	13	9	5.4	.0	.0	2
Roseburg	510	45	76	997.6	1,015.9	.0	65.3	−2.7	88	14	78	44	21	53	35	36	52	68	.94	+.6	.74	4	4.2	n.	15	sw.	29	13	14	4	4.1	.0	.0	2
MIDDLE PACIFIC COAST																																		
							67.4	+.5										64	.03	0											3.3			
Eureka	60	72	88	1,014.6	1,016.9	−.4	58.2	+2.2	68	3	63	46	19	54	15	206	54	85	.10	−.1	.08	2	6.1	n.	18	sw.	25	6	12	13	6.3	.0	.0	1
Red Bluff	353	5	26	999.0	1,011.5	-----	77.2	−2.5	102	18	92	54	22	62	37	0	44	37	.02	.0	.02	1	6.8	se.	28	se.	8	24	6	1	2.1	.0	.0	3
Sacramento [2]	66	92	115	1,009.8	1,012.2	+.3	72.6	−.3	100	5	87	55	26	58	40	0	51	56	.00	.0	.00	0	7.9	s.	19	sw.	6	30	1	0	.6	.0	.0	0
San Francisco [2]	155	112	132	1,008.8	1,014.6	−.4	61.8	+2.7	83	31	68	52	11	56	26	114	54	78	T	.0	T	0	10.5	w.	31	w.	21	12	15	4	4.1	.0	.0	0
SOUTH PACIFIC COAST																																		
							73.3	−.1										61	0	0											2.5			
Fresno [1]	327	5	34	999.7	1,011.2	+.4	77.6	−1.9	107	5	95	52	22	60	41	0	50	44	T	.0	T	0	7.1	nw.	22	nw.	20	29	2	0	1.4	.0	.0	0
Los Angeles	338	223	250	1,001.0	1,013.2	+.3	71.4	+.3	92	31	81	26	29	62	27	0	57	68	.01	.0	.01	1	5.8	w.	21	w.	29	23	6	2	2.1	.0	.0	1
San Diego [1]	87	20	55	1,009.8	1,013.2	+.3	71.0	+1.2	87	9	78	58	30	64	22	0	60	72	.00	.0	.00	0	6.7	nw.	17	nw.	28	14	12	5	4.1	.0	.0	0
WEST INDIES																																		
San Juan, P. R.	82	10	54	1,013.2	1,015.9	-----	80.5	.0	88	14	84	74	9	76	12	0	75	82	7.60	+1.6	2.37	15	11.5	e.	31	ne.	12	3	22	6	5.7	.0	.0	10
PANAMA CANAL																																		
Balboa Heights	118	6	97	-----	1,010.6	-----	80.8	+.5	92	30	88	72	10	74	18	0	75	88	5.83	−1.9	1.53	21	5.3	nw.	24	n.	22	0	13	18	8.1	.0	.0	11
Cristobal	23	37	92	-----	1,010.5	-----	80.0	−.7	86	10	84	70	8	76	14	0	76	88	17.10	+1.7	5.92	24	7.4	ne.	27	n.	4	0	6	25	8.5	.0	.0	11
ALASKA																																		
Anchorage [1]	132	6	44	1,010.2	1,014.9	-----	55.2	−.4	76	8	66	32	17	44	33	305	46	70	2.59	.0	1.33	13	6.0	n.	30	s.	15	6	9	16	6.8	.0	.0	0
Fairbanks [1]	455	5	63	997.6	1,014.9	-----	50.9	−4.1	76	25	62	23	30	39	39	435	42	72	1.58	−.6	.63	15	7.2	sw.	26	sw.	16	3	11	17	7.1	.0	.0	0
Juneau [1]	80	6	30	1,012.9	1,015.9	-----	54.0	−.5	73	8	62	34	19	46	33	341	46	76	8.47	+3.2	2.38	15	7.6	se.	32	se.	31	1	9	21	8.1	.0	.0	0
Nome	22	10	75	1,013.9	1,014.6	-----	47.4	−2.1	65	6	54	32	29	40	26	551	44	86	3.10	−.1	1.56	10	11.8	sw.	47	se.	17	2	10	19	7.5	T	.0	0
Barrow	29	5	27	1,012.5	1,013.2	-----	37.4	−.8	60	25	42	25	18	33	26	855	36	92	.46	−.3	.21	6	11.4	w.	35	nw.	16	1	1	29	9.0	T	.0	0
Bethel	28	5	31	-----	-----	-----	-----	-----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	----	-----	-----	----	-----	----	----	----	----	-----	----	----	----
Cordova	45	5	32	1,012.5	1,014.6	-----	52.7	-----	75	7	63	36	18	42	33	380	47	82	9.24	-----	3.40	18	----	e.	20	e.	31	5	10	16	6.9	.0	.0	0
Gambell	32	5	32	1,013.2	1,014.2	-----	43.7	−2.1	56	5	47	34	31	41	16	660	42	94	2.32	+.2	----	16	13.0	sw.	38	se.	6	0	3	28	9.0	.0	.0	0
Ketchikan	25	69	90	1,015.9	1,016.9	-----	58.2	−.2	71	22	64	44	19	52	24	214	50	80	13.37	+2.0	4.58	15	6.5	se.	20	nw.	19	3	4	24	7.9	.0	.0	0
Kotzebue	20	5	31	1,013.2	1,013.9	-----	49.2	−.8	67	25	54	39	16	45	23	491	44	83	1.98	+.4	----	18	13.2	nw.	36	se.	18	1	6	24	8.2	.0	.0	0
McGrath	341	5	31	1,002.7	1,015.6	-----	51.8	−1.5	77	7	61	29	30	43	36	407	44	76	2.11	−1.4	.97	16	----	w.	28	s.	18	4	3	24	7.7	.0	.0	0
Northway	1718	5	32	952.9	1,015.9	-----	50.0	−2.7	71	11	60	32	18	40	31	463	41	72	1.65	−.9	.36	19	6.1	w.	22	-----	3	1	4	26	8.2	.0	.0	0
HAWAII																																		
Honolulu	38	86	100	1,015.5	1,016.6	-----	78.8	+.4	85	2	83	72	2	74	13	0	68	69	.90	−.4	.23	16	----	e.	23	ne.	27	8	16	7	5.6	.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.