CLIMATOLOGICAL DATA FOR DECEMBER 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	52.1	+4.4	2 stations	84	[1] 27	Fayette	20	3	2.74	−2.54	Village Springs	9.08	Coffee Springs	0.23
Arizona	46.4	+3.5	Sells	86	4	Fort Valley	−18	29	1.02	−.26	Sierra Ancha	3.25	Leupp	.00
Arkansas	48.3	+5.5	Gilbert	81	6	2 stations	4	30	4.18	−.05	Cove	9.06	Index	1.70
California	46.0	+.2	3 stations	87	2	Gem Lake	−15	31	2.92	−1.00	Mount Wilson A. S.	12.17	Borego Valley	.08
Colorado	31.4	+5.5	Eversoll Ranch	78	4	Taylor Park	−40	31	.40	−.48	Wolf Creek Pass	3.50	5 stations	.00
Florida	64.1	+4.2	Stuart	89	8	Jasper	27	26	1.04	−1.73	West Palm Beach	6.75	Palatka	.03
Georgia	51.3	+3.6	Cordele	83	29	Blairsville	16	19	1.17	−3.10	LaFayette	4.71	Doctortown	.15
Idaho	31.2	+4.6	Payette	63	14	Island Park Dam	−25	[1] 17	2.29	+.22	Roland	11.82	Aberdeen	.21
Illinois	36.5	+5.5	Pana	73	7	Freeport	−16	31	2.23	+.13	Chicago Heights	3.92	Stockton	.99
Indiana	36.8	+4.6	Scottsburg	71	9	South Bend	−2	31	2.87	+.15	La Porte	4.95	Collegeville	1.29
Iowa	29.5	+5.3	Centerville	73	8	2 stations	−27	31	.63	−.56	Keokuk	2.88	Bedford	.01
Kansas	38.7	+5.6	2 stations	78	4	Burr Oak	−12	[1] 30	.57	−.32	Valley Falls	3.18	22 stations	T
Kentucky	42.3	+4.6	Greenville	77	27	Headquarters	7	2	3.19	−.60	Mayfield	4.52	Scottsville	2.07
Louisiana	56.1	+3.6	2 stations	83	[1] 8	2 stations	18	30	3.54	−1.78	Winnfield	7.67	Kinder	1.20
Maryland-Delaware.	37.8	+2.6	Millsboro, Del	76	27	Oakland, Md	1	3	2.20	−.99	Coleman, Md	4.52	Georgetown, Del	1.17
Michigan	26.8	+1.2	Three Rivers	65	7	Dunbar Forest	−29	30	2.62	+.58	White Pine	5.14	Detour	1.01
Minnesota	15.6	−.2	Albert Lea	62	8	2 stations	−49	31	.83	+.07	Grand Marais	2.46	Pipestone	.04
Mississippi	52.1	+3.8	2 stations	80	9	Scott	19	30	3.18	−2.11	Magnolia	5.83	Shelby	1.15
Missouri	40.2	+6.0	3 stations	77	6	Conception	−8	30	2.44	+.26	Hailey	5.66	Tarkio	.02
Montana	24.4	+1.0	3 stations	63	[1] 4	West Yellowstone	−36	17	1.40	+.45	Trout Creek	7.22	Dillon Airport	.08
Nebraska	31.6	+4.5	Alma	74	15	2 stations	−25	29	.18	−.49	Newcastle	.89	3 stations	.00
Nevada	36.4	+4.9	Overton	72	3	Wells	−12	31	.80	−.19	Pioche	1.86	Wellington	.05
New England	27.5	+1.1	Waterbury, Conn	70	10	Fort Kent, Maine	−23	30	3.73	+.39	Searsburg Sta., Vt	6.78	Salisbury, Conn	1.43
New Jersey	36.5	+2.9	3 stations	74	10	Layton	2	27	2.38	−1.15	Hammonton	3.68	Moorestown	1.10
New Mexico	39.0	+4.7	Pearl (nr.)	84	15	Eagle Nest	−27	30	.35	−.36	Mogollon	1.65	24 stations	.00
New York	29.3	+2.6	3 stations	70	10	2 stations	−26	27	3.16	+.22	Lyons Falls	8.50	Burdett	.87
North Carolina	46.2	+3.7	Chapel Hill	84	28	Mount Mitchell	4	2	2.06	−1.76	Tapoco	6.12	Wadesboro	.73
North Dakota	13.3	−.1	2 stations	55	[1] 3	Parshall	−35	29	.53	+.11	Trotters	1.67	Belcourt	.10
Ohio	35.4	+3.8	2 stations	71	9	Mansfield	4	19	2.51	−.19	Irwin	3.60	Mineral Ridge	1.72
Oklahoma	45.7	+5.7	2 stations	80	[1] 5	Kenton	−4	[1] 29	2.81	+1.10	McAlester	10.26	Guymon	T
Oregon	36.3	+2.6	Lake Creek	71	1	Olive Lake	−11	30	3.23	−.63	Valsetz	25.19	Prineville	.09
Pennsylvania	33.5	+2.3	Lewistown	75	9	Coudersport	−4	3	2.30	−.78	Bradford	4.75	Hop Bottom	1.27
South Carolina	50.4	+3.8	Walterboro	82	12	Caesars Head	11	3	1.26	−2.33	Caesars Head	4.17	Blackville	T
South Dakota	24.5	+2.5	Ardmore	68	4	Ralph	−31	29	.38	−.13	Dumont	1.34	2 stations	T
Tennessee	45.2	+4.5	Gatlinburg	80	12	Rugby	11	4	4.03	−.50	Dickson	6.00	Ashwood	2.40
Texas	52.6	+3.7	4 stations	89	[1] 7	2 stations	0	[1] 29	1.96	−.36	McKinney	6.08	Stratford	T
Utah	33.6	+6.3	Farmington	68	6	Moon Lake	−23	31	1.60	+.48	2 stations	5.42	Mexican Hat	.04
Virginia	41.9	+3.9	Saluda	78	10	Monterey	1	3	2.13	−.93	Emory	4.60	2 stations	.85
Washington	33.9	+.5	Richland	69	9	Stockdill Ranch	−17	28	5.57	−.08	Peterson's Ranch	26.29	3 stations	.04
West Virginia	38.2	+3.6	2 stations	77	[1] 9	Canaan Valley	−6	3	2.44	−.83	Pickens No. 2	4.29	McNeill	1.11
Wisconsin	23.1	+2.5	Kenosha	66	8	Danbury	−42	31	1.41	+.12	Shawano	2.48	Ladysmith	.36
Wyoming	28.9	+6.6	2 stations	70	[1] 3	Bondurant	−38	30	.65	−.07	Bechler River	4.86	Carpenter	T
Alaska, (Nov)	12.0	−2.1	Lincoln Rock	60	12	Fort Yukon	−45	30	2.41	−.31	Little Port Walter	23.99	Candle	.10
Hawaii	69.4	−.6	Hana	89	[1] 26	Haleakala R. S.	40	3	18.15	+9.90	Kukui	82.00	Kiolakaa	.16
Puerto Rico	74.4	+.2	2 stations	93	6	Guineo Reservoir	52	25	3.97	−.24	Rio Blanco	14.40	Juana Diaz Camp	.49

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR DECEMBER 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: 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							30.4	+1.8										74	3.70	+.3											6.8			
Eastport	75	67	85	1,012.2	1,015.2	0.0	26.6	+.3	54	13	35	−9	27	18	38	1,191	20	75	5.93	+2.2	2.35	18	12.7	nw.	35	nw.	26	8	5	18	6.7	21.1	4.0	0
Greenville, Maine	1,070	6	41	974.6	1,015.9	----	16.8	−2.0	44	11	26	−16	27	8	36	1,499	13	86	4.00	+.9	1.14	19	5.7	nw.	28	----	11	3	12	16	----	32.4	20.0	0
Portland, Maine [1]	103	5	43	1,012.2	1,016.3	−.3	26.6	+1.6	56	13	36	−10	31	17	33	1,187	18	78	4.49	+.5	2.43	12	9.5	w.	48	w.	26	7	9	15	6.2	29.4	13.9	1
Concord [1]	289	4	45	1,005.8	1,016.9	−1.1	25.2	+1.2	60	10	36	−12	31	15	37	1,235	18	74	3.62	+.5	1.45	8	7.9	nw.	33	w.	26	5	11	15	6.6	23.4	13.9	0
Burlington [1]	403	6	51	1,000.7	1,015.9	−1.7	25.9	+1.5	56	13	34	−9	31	17	45	1,209	20	78	2.13	+.2	.60	14	11.8	s.	38	s.	17	5	5	21	7.7	23.3	13.0	0
Boston [1]	124	33	62	1,012.2	1,016.9	−.7	34.8	+2.3	63	10	43	8	27	26	31	940	23	64	3.60	+.2	2.23	9	12.7	w.	35	nw.	26	4	12	15	6.9	4.9	3.4	0
Nantucket [1]	12	4	34	1,016.6	1,017.3	−.3	37.8	+2.0	59	1	46	14	27	29	31	846	30	74	3.85	+.1	1.94	10	15.4	nw.	44	nw.	26	3	12	16	6.7	2.0	.0	0
Block Island	26	11	46	1,016.3	1,017.3	−.7	38.8	+2.8	62	10	46	16	27	31	31	809	30	73	3.23	−.6	2.19	8	20.2	nw.	49	nw.	2	5	13	13	6.5	T	.0	0
Providence [2]	159	46	60	1,011.2	1,017.3	−.7	35.6	+4.0	67	10	44	10	27	27	31	915	22	67	3.84	+.5	2.48	8	9.7	nw.	42	sw.	13	4	15	12	7.0	3.4	.2	0
Hartford [1]	159	5	44	1,012.2	1,018.3	.0	32.3	+2.5	67	10	42	6	31	22	33	1,013	23	74	2.84	−1.1	2.01	8	8.9	nw.	33	nw.	26	6	9	16	6.9	5.1	1.2	0
New Haven [1]	107	5	39	1,014.6	1,018.6	+.3	34.2	+3.3	61	10	43	13	31	26	32	954	24	69	3.17	−.5	2.31	8	8.5	w.	26	sw.	26	8	10	13	6.5	3.2	T	0
MIDDLE ATLANTIC							40.0	+4.1										70	2.17	−1.1											6.2			
Albany [1]	97	26	40	1,013.9	1,017.6	−1.0	28.4	+2.9	62	10	38	−3	27	19	31	1,134	20	74	2.68	+.1	1.07	10	10.1	w.	32	w.	26	7	9	15	6.6	9.2	3.0	0
Binghamton [2]	871	60	79	987.1	1,018.6	−.4	32.2	+4.0	62	9	41	4	27	23	38	1,017	23	73	1.86	−.4	.85	13	7.5	w.	24	w.	13	1	10	20	7.9	8.3	--	0
New York	314	415	454	1,006.8	1,018.6	−.4	38.2	+3.2	69	10	46	15	31	31	28	832	25	61	2.45	−1.2	1.78	7	17.7	nw.	60	nw.	2	9	10	12	5.8	2.0	.0	0
Harrisburg [1]	374	30	49	1,006.1	1,020.3	+.3	36.4	+3.7	71	10	45	16	2	28	37	887	24	67	1.99	−1.0	1.38	5	7.8	nw.	34	nw.	26	5	11	15	6.7	2.7	.0	0
Philadelphia [2]	114	5	57	1,015.6	1,019.6	.0	39.9	+3.6	66	10	47	16	2	32	31	776	28	70	2.76	−.7	2.15	5	8.1	sw.	27	nw.	2	6	12	13	6.1	T	.0	0
Reading	323	47	306	1,007.8	1,020.0	----	37.2	+3.0	71	10	45	14	2	29	29	860	----	----	2.42	−1.1	1.67	5	11.2	nw.	40	nw.	2	6	9	16	6.7	1.9	.0	0
Scranton	805	72	104	989.5	1,019.6	+.3	33.2	+2.5	64	10	41	10	2	25	30	988	----	----	1.46	−1.6	.90	7	7.8	sw.	30	nw.	2	3	13	15	6.9	3.7	T	0
Atlantic City	52	37	172	1,017.6	1,019.6	+.3	41.7	+5.3	63	1	50	16	3	33	31	719	34	75	1.98	−2.0	1.29	8	16.3	w.	53	se.	21	8	7	16	6.6	.3	.0	0
Trenton	190	89	107	1,012.5	----	----	37.8	+3.4	70	10	46	14	2	30	29	842	----	----	2.36	−1.0	1.71	6	9.4	nw.	36	nw.	2	7	12	12	6.1	1.0	.0	0
Baltimore [2]	123	100	215	1,015.6	1,020.3	.0	42.4	+5.2	74	28	50	20	3	34	41	699	28	64	1.97	−1.4	1.47	8	9.7	sw.	35	sw.	26	13	6	12	5.1	3.2	T	0
Washington [2]	112	56	100	1,016.3	1,020.7	+.4	41.6	+5.0	74	28	51	19	3	32	39	724	28	60	2.02	−1.3	1.44	8	7.5	s.	30	nw.	2	7	7	17	6.5	2.1	.5	0
Cape Henry	18	8	54	1,019.6	1,020.3	----	48.3	+4.6	76	29	56	30	2	40	27	517	38	72	.85	−2.6	.57	5	13.1	sw.	56	nw.	2	9	16	6	5.2	T	.0	0
Lynchburg [1]	686	4	50	995.6	1,020.7	.0	42.6	+5.3	73	9	53	11	3	32	38	694	30	70	3.38	+.1	1.74	8	8.7	sw.	28	s.	12	11	9	11	5.5	1.0	1.0	0
Norfolk [2]	91	80	125	1,017.6	1,021.0	+.7	48.4	+5.3	75	29	57	26	3	40	31	512	36	76	1.31	−2.0	.80	5	10.0	sw.	34	nw.	2	7	11	13	5.9	.0	.0	0
Richmond [2]	144	11	52	1,014.9	1,020.3	−.4	44.7	+4.9	74	28	56	20	3	34	37	626	31	72	3.08	−.2	1.26	5	7.8	sw.	25	nw.	13	10	10	11	5.5	1.4	2.0	0
SOUTH ATLANTIC							50.8	+4.3										76	1.32	−2.1											5.0			
Asheville	2,253	77	92	940.7	1,022.4	+1.1	42.6	+4.8	69	9	54	20	19	32	39	695	32	74	1.86	−1.3	.71	10	7.7	nw.	27	nw.	1	10	7	14	5.9	.5	.0	0
Charlotte [2]	779	63	86	992.9	1,021.3	.0	47.6	+4.6	74	1	58	23	3	38	32	538	34	72	1.69	−2.2	.56	6	7.3	sw.	24	s.	12	12	4	15	5.3	.0	.0	0
Greensboro [1]	886	6	56	988.8	1,021.7	----	43.6	+4.4	72	28	56	15	3	32	42	664	33	78	1.80	−2.0	.74	5	8.1	sw.	27	nw.	1	10	6	15	5.9	.0	.0	0
Hatteras	11	5	50	1,020.0	1,020.3	.0	53.8	+3.7	70	12	60	34	2	48	21	350	48	84	2.76	−1.4	2.27	6	13.7	n.	42	n.	2	8	8	15	6.3	.0	.0	4
Raleigh [2]	376	5	69	1,007.5	1,021.3	+.3	47.6	+4.6	76	1	58	19	3	37	35	543	36	80	1.46	−2.1	.89	6	7.4	sw.	26	sw.	29	10	12	9	5.3	.0	.0	0
Wilmington	72	73	107	1,018.6	1,021.3	+.3	52.0	+2.9	76	29	62	25	3	42	31	407	43	78	2.10	−.7	1.77	5	8.9	n.	30	sw.	13	11	12	8	4.8	.0	.0	0
Charleston [2]	48	11	92	1,019.3	1,021.3	+.3	55.0	+3.3	75	11	64	31	3	46	25	313	43	82	.57	−2.2	.31	4	9.4	n.	28	n.	2	17	6	8	4.0	.0	.0	1
Columbia, S. C. [2]	347	70	91	1,008.5	1,021.3	.0	51.8	+4.6	76	1	63	25	3	40	39	409	37	70	.47	−2.6	.21	5	7.7	ne.	29	sw.	12	16	8	7	3.9	.0	.0	0
Greenville, S. C. [1]	1,040	18	36	983.4	1,021.3	----	47.8	+5.6	74	1	58	25	3	38	34	535	36	71	2.11	−2.7	.65	8	8.8	ne.	34	n.	1	11	6	14	5.5	.0	.0	0
Augusta [2]	182	62	77	1,014.9	1,021.3	.0	51.7	+3.6	78	12	64	29	3	39	38	418	38	68	.33	−2.9	.16	5	5.2	nw.	22	s.	12	16	6	9	4.3	.0	.0	0
Savannah [1]	65	73	152	1,019.0	1,021.7	+.7	55.7	+5.0	78	1	68	32	5	44	34	297	44	78	.49	−2.4	.45	3	8.3	n.	28	nw.	21	14	6	11	4.7	.0	.0	1
Jacksonville [2]	43	86	110	1,019.6	10,21.0	+.3	60.5	+4.2	79	28	70	39	5	51	29	164	50	84	.14	−2.9	.13	2	7.5	ne.	26	ne.	2	13	8	10	4.8	.0	.0	1
FLORIDA PENINSULA							70.8	+4.0										83	1.18	−.7											4.8			
Key West [2]	21	10	64	1,016.3	1,017.3	−1.3	74.6	+4.3	83	20	79	63	22	70	14	0	67	84	1.31	−.4	.56	8	10.3	ne.	24	e.	2	10	18	3	4.4	.0	.0	2
Miami [2]	25	242	249	1,016.9	1,018.0	−1.6	71.8	+2.7	80	1	76	54	22	68	18	3	64	84	2.13	+.2	.81	12	14.7	ne.	44	ne.	2	9	15	7	5.5	.0	.0	0
Tampa [1]	35	6	43	1,018.6	1,019.6	−.4	66.1	+5.0	82	31	77	42	23	56	30	47	56	82	.09	−2.0	.05	3	7.2	ne.	23	ne.	2	13	9	9	4.6	.0	.0	0
EAST GULF							53.6	+4.0										80	2.02	−2.8											4.5			
Atlantic [1]	1,173	33	72	979.0	1,021.3	.0	48.4	+4.2	70	28	59	26	3	38	32	518	36	70	1.44	−3.4	.54	8	10.3	nw.	31	nw.	21	17	5	9	4.5	.0	.0	0
Macon [2]	370	79	87	1,007.8	1,021.3	.0	51.2	+3.7	77	29	64	28	26	38	39	431	37	67	.33	−3.7	.22	5	6.0	n.	22	sw.	12	19	4	8	4.1	.0	.0	1
Thomasville	274	49	58	1,011.5	1,021.7	+.7	57.0	----	78	29	70	32	3	45	34	258	----	----	.24	−4.1	.11	5	----	----	----	----	--	14	9	8	----	.0	.0	0
Apalachicola	35	11	51	1,019.3	1,020.7	----	58.8	+3.1	76	1	67	38	3	50	25	212	52	85	.60	−4.5	.32	4	7.4	ne.	28	ne.	2	16	5	10	4.1	.0	.0	2
Pensacola [2]	56	54	79	1,019.3	1,021.3	+.3	57.8	+3.8	78	1	67	37	30	49	27	236	48	80	1.51	−3.1	.81	4	7.6	ne.	29	se.	20	15	8	8	3.9	.0	.0	0
Anniston	741	9	----	----	----	----	49.4	+4.2	74	28	61	27	26	38	37	484	----	----	2.95	−2.1	1.04	6	----	sw.	----	----	--	18	3	10	----	.0	.0	0
Birmingham [1]	700	5	62	996.3	1,022.0	+.7	48.9	+4.8	74	28	61	27	19	37	38	500	40	82	3.67	−1.5	1.73	9	8.0	ne.	32	sw.	12	13	7	11	5.0	.0	.0	0
Mobile [2]	57	86	161	1,019.0	1,021.3	+.3	56.4	+4.2	77	12	67	33	30	46	32	284	47	82	2.02	−3.0	.92	8	8.1	n.	27	n.	1	16	5	10	4.3	.0	.0	0
Montgomery [2]	218	92	105	1,013.5	1,021.7	+.4	53.6	+4.2	77	28	65	31	19	42	34	360	42	80	2.06	−2.8	1.07	6	6.8	n.	21	sw.	29	18	4	9	4.0	.0	.0	1
Meridian [2]	375	67	92	1,007.8	1,021.7	+.4	51.4	+3.7	75	28	63	28	30	40	38	427	42	84	3.18	−2.0	1.82	7	6.1	n.	19	s.	27	15	6	10	4.9	.0	.0	1
Vicksburg [2]	247	82	102	1,011.9	1,021.3	+.3	53.9	+3.9	76	9	64	23	30	44	42	357	42	84	3.65	−1.7	1.58	9	9.7	s.	24	n.	1	13	6	12	5.2	T	.0	1
New Orleans [4]	53	50	84	1,018.6	1,020.7	+.4	6.9	----	79	28	67	34	22	46	33	270	50	83	2.63	−2.2	2.00	8	6.6	se.	21	ne.	2	14	6	11	4.7	.0	.0	1
WEST GULF							55.7	+4.4										79	2.83	−.2											6.0			
Shreveport [1]	249	5	64	1,011.2	1,020.7	+.4	54.1	+6.0	77	28	64	22	30	44	38	353	44	80	3.69	−.6	1.18	9	10.5	s.	34	sw.	11	10	10	11	5.5	T	1.0	2
Fort Smith [1]	463	57	82	1,002.7	1,019.3	−1.0	47.8	+5.7	74	27	58	14	30	38	38	531	38	74	6.31	+3.6	4.40	5	7.8	ne.	28	w.	28	6	11	14	6.7	2.1	2.0	3
Little Rock [1]	357	26	58	1,007.8	1,021.0	+.3	49.2	+5.0	74	28	59	16	30	39	37	491	40	76	3.23	−.9	1.38	6	8.8	sw.	28	nw.	29	7	9	15	6.5	2.5	2.5	1
Austin [1]	605	10	41	998.0	1,019.6	----	54.9	+3.9	77	28	65	23	30	45	41	333	45	78	2.71	.0	1.49	5	9.6	s.	31	n.	29	9	7	15	6.0	.0	.2	1
Brownsville [1]	57	5	54	1,015.9	1,018.0	----	64.0	+2.8	84	17	73	32	31	55	33	137	56	86	.38	−1.5	.22	5	10.8	se.	32	n.	29	3	11	17	7.3	.0	.0	0
Corpus Christi [1]	20	4	33	1,018.3	1,019.0	−1.0	60.4	+3.9	82	27	70	30	31	51	36	203	54	85	.73	----	.45	6	10.6	se.	33	n.	29	11	4	16	6.2	.0	.0	0
Dallas [1]	512	5	45	1,000.7	1,019.6	----	52.6	+4.9	79	27	63	19	30	42	44	397	42	74	3.78	+1.4	1.81	5	11.5	s.	34	s.	7	12	8	11	5.2	1.7	1.7	1
Fort Worth [1]	679	40	56	994.9	1,019.6	−.4	52.2	+5.7	79	27	63	18	31	41	46	412	41	71	3.40	+1.5	2.02	5	12.1	s.	34	nw.	28	10	10	11	5.3	2.6	2.5	3
Galveston [2]	54	106	114	1,018.0	1,020.0	.0	59.4	+3.0	74	17	65	30	30	54	35	203	54	88	2.26	−1.5	1.09	8	11.8	ne.	29	ne.	31	11	4	16	5.8	.0	.0	1
Houston [2]	138	157	190	1,014.6	1,019.6	----	59.3	+4.9	78	27	68	27	30	51	41	212	50	83	2.96	−1.3	1.08	9	9.8	se.	29	nw.	29	9	5	17	6.1	.0	.0	1
Palestine	510	64	72	1,002.0	1,020.3	+.3	55.2	+5.3	79	27	64	21	30	46	33	319	44	72	2.74	−.9	.92	7	8.5	s.	22	nw.	28	13	7	11	5.2	.0	T	1
Port Arthur [2]	34	59	134	1,018.6	1,020.0	----	58.7	+4.0	76	1	67	28	30	51	38	227	50	84	2.22	−3.0	.91	9	13.3	s.	34	n.	29	11	6	14	5.9	.0	.0	1
San Antonio [1]	693	8	51	994.6	1,019.3	−.3	55.8	+2.1	80	28	67	26	31	44	35	306	46	76	2.43	+.8	.99	5	8.4	n.	26	ne.	29	12	3	16	5.7	.0	.0	0
OHIO VALLEY AND TENNESSEE							40.2	+4.8										76	3.24	−.4											6.8			
Chattanooga [1]	762	6	66	993.9	1,022.0	+.7	44.6	+3.7	67	10	56	23	4	33	40	630	36	80	5.00	−.1	1.58	8	7.2	s.	31	nw.	1	8	11	11	26.1	T	.0	1
Knoxville [1]	995	27	53	985.8	1,022.4	+2.1	44.2	+5.2	70	12	54	23	19	34	35	647	34	74	4.41	−.1	1.58	8	8.0	sw.	31	w.	29	9	5	17	6.2	T	.0	1
Memphis [4]	399	5	86	1,006.1	1,021.0	.0	48.6	+6.2	74	28	58	21	30	39	38	510	38	76	3.91	−.6	1.36	7	9.7	s.	37	sw.	28	9		84	6.3	T	1.2	1
Nashville [1]	546	5	72	1,001.4	1,021.3	+.3	45.7	+4.7	71	28	56	22	19	36	40	597	35	72	4.04	−.2	1.66	7	9.3	s.	42	w.	29	6	9	16	6.5	2.5	2.5	1
Lexington [1]	989	4	28	984.4	1,021.7	+1.0	40.1	+4.3	66	9	49	13	2	31	34	773	31	75	3.31	−.5	1.07	7	----	s.	--	----	--	7	7	17	6.8	1.0	1.0	1
Louisville [1]	525	106	120	1,001.4	1,020.7	.0	41.6	+5.3	69	9	51	17	2	32	35	727	32	72	2.94	−.8	1.13	10	8.7	s.	34	nw.	13	8	7	16	6.9	2.6	.3	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR DECEMBER 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.																																		
Evansville [1]	431	11	40	1,004.7	1,021.0	+.7	40.8	+6.0	67	7	51	18	2	31	33	749	33	78	3.00	-.5	.98	9	8.9	s.	29	s.	27	6	5	20	7.0	1.6	.4	0
Indianapolis [1]	823	5	54	988.8	1,019.6	-.4	35.4	+4.5	65	8	44	14	19	27	30	917	28	78	3.03	----	1.19	10	11.3	w.	40	sw.	12	4	11	16	7.0	3.3	.0	1
Terre Haute [2]	575	68	149	999.3	1,020.7	----	37.8	+4.3	66	8	46	16	30	31	845	30	82	2.91	.0	1.16	11	10.2	s.	31	sw.	12	7	7	17	6.9	.8	T	1
Cincinnati [2]	627	11	51	997.3	1,021.0	+.7	40.3	+6.9	67	9	49	18	19	32	33	767	30	76	2.91	-.7	1.08	9	7.3	sw.	23	nw.	17	7	8	16	6.8	3.8	.0	0
Columbus [2]	822	90	110	989.8	1,020.3	+.3	36.8	+4.4	64	9	45	14	19	28	38	881	28	76	1.98	-.8	.92	11	10.7	s.	39	sw.	12	8	5	18	6.8	2.1	.0	1
Dayton [1]	1,003	6	55	983.1	1,020.3	----	34.8	+3.5	63	9	44	11	2	26	35	937	28	78	2.78	.0	1.26	11	13.1	sw.	37	w.	29	6	8	17	6.8	4.6	.0	0
Elkins [1]	1,947	4	45	949.9	1,021.3	+1.3	36.0	+4.3	67	9	48	5	3	24	47	903	28	80	3.07	-.4	.79	13	8.1	w.	35	w.	13	5	8	18	7.1	11.9	.4	0
Parkersburg	637	77	84	997.0	1,020.7	.0	40.0	+4.8	68	9	50	14	2	30	39	774	30	70	2.82	-.2	1.01	10	7.4	nw.	26	nw.	1	5	9	17	7.0	1.7	.0	0
Pittsburgh [1]	842	39	54	988.5	1,019.6	.0	36.2	+4.2	64	9	45	12	19	27	40	897	26	70	2.45	-.4	.77	10	12.0	w	40	nw	28	6	5	20	7.4	5.3	.0	1
LOWER LAKES																																		
							31.7	+3.3										77	2.79	+.1											7.6			
Buffalo [1]	768	34	96	988.5	1,017.6	-.4	31.5	+2.7	60	12	40	7	30	24	42	1,037	24	76	2.79	-.6	.74	18	17.2	w.	50	s.	29	4	6	21	7.9	11.9	.5	0
Canton	448	10	61	999.3	1,015.9	----	24.0	+2.2	56	13	33	-20	26	15	471	,272	19	84	4.26	+1.6	.92	23	10.8	w.	39	w.	17	7	5	19	7.1	25.7	15.7	0
Oswego	335	71	85	1,005.4	1,018.3	+.3	30.8	+2.7	62	9	38	2	29	24	38	1,060	22	72	4.11	+.6	.71	20	13.3	se.	30	nw.	26	2	4	25	8.4	32.4	8.4	0
Rochester [1]	523	5	69	997.6	1,017.6	-.4	30.6	+2.8	62	9	38	6	30	23	35	1,069	24	80	2.61	-.1	.68	13	13.7	w.	47	sw.	29	3	9	19	7.6	13.6	3.0	0
Syracuse [1]	596	5	57	994.9	1,018.0	-.3	30.6	+3.2	64	9	40	0	31	22	39	1,067	24	75	3.14	+.1	.90	19	13.3	sw.	40	s.	12	5	2	24	7.9	25.8	4.9	0
Erie [2]	714	57	81	991.9	1,018.6	+.3	35.8	+3.9	63	12	43	16	2	28	36	906	28	80	3.16	+.3	.81	15	11.5	sw.	29	w.	29	2	4	25	8.3	14.3	1.5	0
Cleveland [1]	762	27	54	991.2	1,020.0	+1.0	34.0	+4.9	61	8	42	13	30	26	41	960	26	76	1.85	-.6	.63	16	13.6	w.	43	w.	12	3	7	21	7.7	8.8	2.0	0
Sandusky	629	5	67	995.6	1,019.3	+.3	34.5	+3.3	62	7	42	12	19	26	36	947	----	----	2.58	+.3	1.01	12	11.1	sw.	35	sw.	12	5	7	19	7.1	7.6	T	1
Toledo [1]	628	5	47	995.3	1,019.3	+.7	32.0	+2.9	60	8	41	6	2	23	35	1,021	24	74	1.98	-.4	.88	10	12.8	sw.	40	sw.	12	3	7	21	7.5	6.3	.2	0
Fort Wayne [1]	857	5	33	987.1	1,019.6	----	32.7	+4.1	65	8	41	10	2	24	34	1,001	26	82	2.14	-.4	1.09	12	10.1	w.	34	s.	27	6	6	19	7.0	3.1	.0	0
Detroit [1]	730	5	78	991.2	1,018.6	+.3	32.2	+3.3	60	8	40	5	30	25	35	1,019	24	74	2.10	-.2	1.39	11	12.2	sw.	35	nw.	13	5	8	18	7.0	5.3	.4	0
UPPER LAKES																																		
							24.9	+1.5										81	2.19	+.2											7.4			
Alpena	609	5	89	993.2	1,016.3	-.3	25.6	+.8	59	9	32	1	31	19	26	1,223	21	82	3.72	+1.6	2.51	10	12.2	sw.	40	se.	16	3	6	22	8.1	27.9	19.0	0
Escanaba	612	51	72	993.2	1,016.6	-.3	22.5	+.1	52	9	30	-10	31	16	32	1,321	17	78	1.19	-.6	.62	7	11.0	w.	32	n.	29	6	11	14	6.5	15.8	15.1	0
Grand Rapids [2]	707	70	244	991.2	1,018.0	+.4	31.9	+3.4	62	7	39	5	31	25	42	1,025	24	81	2.36	-.2	1.04	16	12.4	s.	39	sw.	17	0	13	18	7.5	15.4	4.0	0
Lansing [2]	878	5	90	985.1	1,018.0	----	30.2	+3.0	60	7	38	-1	31	22	37	1,080	22	78	3.06	+1.0	1.70	12	10.1	w.	28	w.	17	3	8	20	7.5	11.2	4.8	0
Marquette	734	44	73	987.5	1,015.9	-.7	22.4	-.2	55	9	29	-5	31	16	32	1,324	16	75	1.82	-.8	.81	10	9.9	w.	38	w.	17	3	7	21	7.8	21.6	15.9	0
Sault Sainte Marie [1]	614	11	52	991.9	1,015.2	-.7	19.8	+1.0	51	9	26	-20	30	13	31	1,398	17	86	2.90	+.7	.50	18	13.3	w.	37	sw.	17	1	1	29	9.0	27.1	19.2	0
Chicago [1]	673	5	36	993.6	1,019.0	+.4	31.9	+5.0	64	8	40	1	31	24	33	1,028	25	78	2.43	+.4	1.43	8	10.9	s.	34	nw.	12	3	12	16	7.2	8.3	3.5	0
Green Bay	617	5	32	994.6	1,018.3	+1.0	22.7	+.4	60	8	32	-15	31	14	35	1,312	17	78	1.75	.0	1.20	6	9.1	s.	34	sw.	16	4	9	18	7.1	6.4	4.8	0
Milwaukee [1]	681	33	66	992.2	1,018.0	.0	27.9	+3.2	63	8	37	-5	31	19	37	1,153	22	78	1.54	-.2	.79	7	13.6	w.	40	w.	16	5	13	13	6.7	6.8	4.1	1
Duluth [2]	1,133	5	47	973.6	1,016.9	-.7	14.0	-1.9	45	11	21	-31	31	6	30	1,588	10	92	1.14	.0	.47	8	12.3	w.	61	nw.	16	11	2	18	6.1	10.0	8.9	0
NORTH DAKOTA																																		
							12.9	+2.0										84	.51	-.1											7.8			
Fargo [1]	940	6	47	981.7	1,018.3	-.3	12.2	+.7	38	11	20	-23	31	4	33	1,633	10	88	.66	-.1	.41	6	13.0	s.	41	n.	16	6	4	21	7.5	7.1	6.0	0
Bismarck [1]	1,677	5	43	954.6	1,018.0	-.6	16.4	+3.6	51	6	26	-27	29	7	35	1,505	12	84	.53	.0	.26	12	10.5	nw.	36	nw.	16	3	7	21	7.7	8.2	4.6	0
Devils Lake	1,478	11	44	961.4	1,018.3	+.3	11.1	+1.6	42	11	20	-24	29	3	37	1,672	4	73	.21	-.3	.12	7	9.5	nw.	34	nw.	22	4	6	21	7.5	3.5	2.0	0
Grand Forks [1]	832	4	41	986.1	1,018.6	----	9.0	----	39	11	18	-24	30	0	34	1,737	7	90	.54	----	.30	11	----	s.	----	----	----	6	4	21	----	5.2	4.0	0
Williston	1,878	42	50	946.8	1,016.9	-1.1	15.8	+2.0	43	11	25	-25	29	6	40	1,522	12	85	.59	.0	.27	8	7.1	sw.	25	nw.	11	0	7	24	8.3	4.9	5.0	0
UPPER MISSISSIPPI																																		
							31.5	+5.0										76	1.60	-.1											6.7			
Minneapolis-St. Paul [1]	919	43	74	982.7	1,018.0	-.6	20.6	+1.0	52	11	28	-22	31	13	32	1,376	14	78	.68	-.3	.30	8	11.2	nw.	45	w.	16	6	8	17	6.8	5.9	4.0	0
La Crosse [1]	714	5	29	990.9	1,018.3	-.3	23.3	+2.9	55	8	32	-24	31	15	35	1,293	17	80	1.10	-.2	.71	5	9.4	s.	39	w.	16	7	8	16	6.6	5.0	4.0	0
Madison [2]	974	70	78	981.4	1,018.6	.0	27.0	+4.2	60	8	35	-10	31	19	32	1,181	20	78	1.61	.0	.87	8	9.1	w.	25	w.	17	5	9	17	7.0	7.1	3.9	1
Charles City	1,015	10	51	981.0	1,019.6	+.3	26.0	+5.6	63	8	35	-16	31	17	34	1,207	----	----	.66	-.6	.31	6	7.2	nw.	21	s.	11	10	8	13	5.7	4.5	3.0	0
Moline [1]	606	6	50	996.3	1,020.0	+.7	31.4	+5.7	66	8	41	-8	31	22	40	1,043	24	73	1.43	.0	1.07	7	10.5	s.	35	w.	27	6	9	16	6.8	5.3	3.5	0
Des Moines [2]	860	5	99	----	1,019.6	.0	31.6	+5.6	69	8	42	-8	31	21	40	1,050	23	71	.20	-1.0	0.10	8	10.0	se.	32	w.	16	9	9	13	6.6	3.2	----	0
Dubuque	699	60	79	992.2	1,018.6	-.7	30.4	+5.7	63	8	39	-10	31	22	37	1,078	22	74	1.22	-.2	.89	7	6.2	nw.	21	nw.	16	5	12	14	6.5	3.2	2.0	1
Burlington [1]	702	4	36	992.9	1,019.3	-.7	32.4	+5.1	66	8	42	-5	31	23	34	1,016	26	81	2.47	+.8	1.75	10	10.6	s.	38	w.	27	5	7	19	7.1	3.9	2.4	0
Cairo	357	5	99	1,007.8	1,021.3	+.3	44.6	+6.8	68	7	53	19	29	36	28	636	----	----	3.54	+.1	1.41	8	10.0	s.	31	sw.	12	8	6	17	6.6	1.6	1.6	1
Peoria [1]	609	6	26	997.0	1,020.0	+.4	33.0	+5.9	66	8	42	-3	31	24	35	988	26	78	1.76	.0	1.20	8	10.1	s.	36	w.	27	5	8	18	7.1	5.1	1.2	0
Springfield, Ill. [2]	636	5	191	995.9	1,020.0	.0	36.9	+5.2	67	8	45	6	31	29	31	873	28	80	1.55	-.6	.67	7	12.5	s.	30	n.	16	7	5	19	7.2	.7	T	0
St. Louis [2]	568	35	303	999.3	1,020.3	.0	41.0	+6.1	69	7	49	12	30	33	30	746	----	70	2.95	+.7	1.41	9	12.5	sw.	35	sw.	17	10	8	13	----	3.0	T	0
MISSOURI VALLEY																																		
							33.0	+5.2										74	1.00	-.1											6.3			
Columbia, Mo. [2]	784	6	66	990.5	1,020.0	.0	39.0	+5.0	71	27	48	4	30	29	34	807	28	68	1.42	-.4	.77	7	7.5	s.	26	s.	27	7	6	18	7.1	.4	.2	0
St. Joseph [2]	967	11	49	983.4	1,019.3	----	36.5	+6.9	70	27	46	-2	30	28	38	881	27	74	1.46	+.2	1.28	6	8.2	s.	31	w.	27	8	7	16	6.5	1.5	.5	0
Springfield, Mo. [1]	1,324	5	67	973.2	1,019.6	-.7	41.0	+4.5	72	6	51	4	30	31	36	742	34	78	3.02	+.7	1.73	6	12.4	s.	38	sw.	27	3	10	18	----	T	----	1
Topeka [2]	987	65	87	982.7	1,019.3	----	38.4	+6.4	71	5	48	-1	30	28	37	828	28	72	1.57	+.6	1.56	3	9.2	s.	32	sw.	27	7	9	15	6.4	.3	T	0
Lincoln [2]	1,189	11	81	974.6	1,019.3	-.7	32.9	+5.3	63	6	43	-6	31	23	41	992	22	74	.17	-.6	.13	3	9.1	s.	35	nw.	16	10	9	12	5.7	1.7	.7	0
Omaha [1]	1,105	5	68	977.7	1,019.3	-.3	31.6	+5.2	68	8	42	-10	31	21	40	1,029	22	72	.12	-.8	.12	1	11.1	s.	40	nw.	16	10	6	15	6.0	2.3	2.0	0
Valentine	2,598	46	54	923.1	1,018.3	-1.0	28.8	+4.2	67	6	41	-16	29	17	45	1,118	18	72	.25	-.4	.13	5	9.1	w.	31	nw.	16	8	10	13	6.0	1.9	1.0	0
Sioux City [1]	1,138	5	40	976.0	1,019.0	-1.0	26.6	+5.0	61	9	38	-18	31	15	37	1,187	19	76	.56	-.3	.40	6	9.7	nw.	34	nw.	16	8	11	12	5.9	5.5	4.3	0
Huron [1]	1,301	5	41	969.2	1,018.6	-.7	22.7	+4.0	56	6	32	-16	29	13	30	1,312	18	84	.44	-.1	.34	5	12.3	nw.	43	nw.	16	4	15	12	6.6	3.3	2.4	0
NORTHERN SLOPE																																		
							27.4	+4.0										75	.75	+.1											7.0			
Billings [1]	3,570	16	40	889.3	1,016.6	----	29.4	+3.2	58	4	39	-6	28	20	41	1,107	20	72	.93	----	.49	8	11.4	sw.	39	nw.	15	4	10	17	7.2	15.2	2.5	0
Havre	2,507	11	67	924.5	1,017.3	-.3	19.8	-.6	49	10	30	-23	28	9	42	1,400	15	82	.56	.0	.26	8	10.1	sw.	33	sw.	10	4	10	17	7.2	7.9	3.7	0
Helena [1]	4,124	5	43	872.0	1,019.0	-1.3	26.2	+3.5	50	15	36	-18	28	17	35	1,204	19	78	.94	+.5	.33	9	7.2	w.	45	nw.	15	3	7	21	7.5	12.5	2.4	0
Missoula [1]	3,263	4	32	902.1	1,020.3	----	26.8	+5.4	47	4	34	-4	17	20	23	1,187	24	88	1.43	+.5	.47	11	4.7	nw.	26	nw.	15	2	4	25	8.0	11.9	1.1	0
Kalispell	2,973	48	56	911.6	1,018.6	+.3	24.0	-.9	46	10	31	-11	28	17	27	1,276	22	89	1.82	+.4	.73	14	4.8	w.	28	n.	27	3	4	24	8.2	22.1	6.7	0
Miles City [1]	2,371	5	78	930.6	1,018.3	-1.0	22.0	----	53	2	32	-22	29	12	32	1,332	18	82	.52	----	.24	8	----	s.	----	----	----	6	3	22	7.2	6.0	5.0	0
Rapid City [1]	3,259	5	63	899.8	1,017.3	-1.7	28.4	+3.3	64	11	41	-17	29	16	44	1,133	19	76	.21	-.2	.10	6	13.4	nw.	57	nw.	19	2	11	18	7.4	2.9	.6	0
Cheyenne [1]	6,094	5	40	811.0	1,017.3	-1.7	34.5	+6.0	59	5	45	-5	28	24	37	944	18	52	.19	-.4	.17	4	14.4	nw.	42	w.	11	5	15	11	6.5	2.1	.5	0
Lander [1]	5,352	60	68	833.1	1,017.6	-3.4	30.2	+9.8	56	14	42	-14	29	18	35	1,082	16	60	.12	-.6	.10	2	6.3	se.	43	w.	15	8	15	8	5.3	1.7	1.6	0
Sheridan [1]	3,790	5	38	882.2	1,017.3	----	27.6	+4.8	60	2	40	-20	29	15	41	1,158	18	75	1.32	+.7	.54	9	7.3	nw.	47	w.	15	4	6	21	7.2	13.4	3.6	0
North Platte [2]	2,821	11	51	916.4	1,018.6	-.7	32.6	+5.9	67	6	46	-9	29	20	40	1,004	21	74	.18	-.4	.15	2	6.4	w.	24	n.	16	8	11	12	5.9	1.6	.8	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR DECEMBER 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							40.1	+6.7										68	.74	-.2											5.9			
Denver [2]	5,292	106	113	836.1	1,015.9	-2.7	39.6	+7.3	67	15	51	1	29	28	38	790	18	52	.09	-.6	.04	3	7.4	s.	23	nw.	19	9	16	6	5.3	2.7	T	0
Pueblo [1]	4,690	5	36	856.1	1,018.3	-.3	36.6	+6.5	71	4	53	-8	29	20	45	885	22	66	.09	-.4	.07	2	7.7	w.	37	w.	27	10	7	14	5.6	1.4	.4	0
Concordia	1,392	50	58	967.8	1,019.3	-.3	35.3	+4.6	64	5	46	-5	30	25	35	921	27	74	.04	-.6	.03	2	7.4	s.	28	n.	20	13	7	11	5.4	.4	.2	0
Dodge City [1]	2,509	5	58	928.2	1,018.0	-1.3	38.6	+6.0	69	15	51	1	29	26	38	821	26	71	.03	-.5	.02	2	14.3	sw.	45	n.	16	11	10	10	5.6	.3	T	0
Wichita [1]	1,358	6	64	968.8	1,018.6	-1.0	40.0	+5.4	69	5	50	3	30	30	33	776	30	70	.78	-.2	.72	4	14.4	s.	42	s.	27	6	12	13	6.6	T	.0	1
Oklahoma City [3]	1,214	10	47	975.3	1,019.3	-.3	45.6	+6.3	75	27	54	8	30	37	39	604	34	72	1.71	+.2	1.10	6	9.7	s.	26	sw.	27	8	10	13	6.0	.5	.5	0
Tulsa [1]	674	10	60	994.6	1,019.3	----	45.2	+6.4	77	27	55	8	30	36	36	615	36	74	2.46	+.6	1.11	6	11.9	sw.	40	sw.	27	6	10	15	6.7	T	.0	3
SOUTHERN SLOPE							48.4	+5.0										64	1.25	+.4											5.3			
Abilene [1]	1,738	4	59	956.7	1,018.6	-1.0	50.2	+5.1	77	5	61	16	31	39	44	458	37	68	2.38	+1.0	2.30	4	14.2	s.	41	s.	7	8	10	13	5.6	4.8	4.0	0
Amarillo [1]	3,676	5	42	889.9	1,017.8	-1.2	43.2	+7.7	75	6	56	7	29	30	48	678	28	66	1.18	+.4	1.12	2	13.6	sw.	42	w.	27	11	11	9	5.3	.9	T	0
Del Rio	960	63	71	984.4	1,018.6	-.7	55.7	+3.5	86	28	66	25	31	45	37	299	43	68	.66	.0	.30	6	7.7	se.	26	n.	1	13	7	11	5.0	T	T	0
Roswell	3,566	75	85	894.7	1,018.3	.0	44.7	+3.5	76	15	59	15	29	30	41	632	26	53	.78	+.1	.75	4	6.3	s.	28	w.	28	13	4	14	5.3	.1	.1	0
SOUTHERN PLATEAU							48.9	+4.6										50	.73	-.2								1			5.3			
El Paso [1]	3,778	29	85	887.9	1,017.6	+.7	47.0	+3.3	72	4	59	17	31	35	38	555	28	51	1.31	+.8	1.05	5	9.0	ne.	42	nw.	28	5	5	11	4.8	.8	.5	1
Albuquerque [1]	5,314	5	45	838.8	1,017.6	----	40.4	+5.9	66	14	53	12	31	28	36	763	22	48	.12	-.3	.10	2	8.2	se.	39	se.	30	13	7	11	5.1	T	.0	0
Flagstaff	6,907	36	51	790.4	1,019.6	+1.6	36.0	+6.4	66	14	51	-7	29	21	44	901	20	58	1.15	-.8	.57	5	----	n.	--	------	--	11	6	14	5.8	6.3	1.3	0
Phoenix [2]	1,107	39	87	976.0	1,015.9	-1.4	55.8	+3.8	80	4	69	32	29	42	38	289	36	56	.45	-.6	.36	2	5.5	e.	21	nw.	28	11	10	10	5.5	.0	.0	1
Tucson [1]	2,555	5	39	926.5	1,015.6	----	55.6	+4.9	82	4	69	30	30	42	40	304	32	46	.46	-.5	.44	2	----	se.	--	------	--	9	10	12	5.7	.0	.0	0
Yuma	142	9	54	1,010.5	1,015.6	-2.0	58.5	+3.3	80	1	70	37	9	47	32	206	34	44	.88	+.4	.88	2	5.9	n.	32	n.	30	14	8	9	4.7	.0	.0	1
MIDDLE PLATEAU							34.4	+4.9										73	1.03	0.0											6.9			
Reno [1]	4,527	20	52	864.2	1,020.7	-.3	35.2	+3.3	65	14	49	9	18	21	42	923	24	70	.39	-.6	.28	4	5.4	s.	40	s.	3	5	5	21	7.2	1.0	.0	0
Winnemucca	4,339	5	56	870.3	1,021.0	-1.0	34.5	+4.5	62	14	46	3	31	24	35	943	25	68	1.00	-.1	.38	7	7.5	sw.	29	sw.	15	5	5	21	7.6	2.0	.6	1
Modena	5,473	10	58	834.7	1,019.6	-.4	33.8	+5.7	63	14	45	2	31	22	36	970	----	---	1.07	+.2	.53	3	7.6	sw.	24	sw.	5	10	11	10	5.6	T	.0	0
Salt Lake City [1]	4,227	32	46	869.3	1,020.7	-.3	35.8	+5.6	61	14	44	4	31	28	26	905	28	77	1.91	+.5	.74	6	8.0	se.	34	s.	4	3	7	21	7.6	10.1	2.3	1
Grand Junction	4,602	60	68	862.9	1,023.7	+4.4	32.7	+5.2	52	6	43	3	29	22	28	1,003	24	76	.80	+.2	.53	5	4.1	se.	25	nw.	28	7	7	17	6.4	4.1	2.4	0
NORTHERN PLATEAU							34.6	+5.0										81	.75	-.9											7.6			
Baker [2]	3,471	36	54	897.1	1,020.7	-.6	32.8	+5.5	52	14	41	-1	30	25	27	998	26	82	.74	-1.0	.35	8	5.5	se.	23	sw.	10	5	6	20	7.2	2.4	2.0	0
Boise [1]	2,739	5	49	923.1	1,021.0	-1.7	36.2	+5.9	57	3	44	14	30	28	24	893	30	78	.86	-.7	.25	9	8.2	se.	27	nw.	27	4	7	20	7.4	T	.0	0
Pocatello [1]	4,478	5	31	864.5	1,021.3	-1.1	32.9	+7.6	57	4	41	0	31	25	31	995	26	77	.78	-.4	.28	10	9.9	sw.	34	sw.	12	3	2	26	8.1	4.3	1.0	0
Spokane [1]	1,929	27	42	948.5	1,019.0	+.4	32.6	+2.1	55	4	39	1	29	26	21	1,000	28	82	.90	-1.3	.35	10	6.1	sw.	26	w.	11	2	7	22	8.0	5.0	3.0	0
Walla Walla	991	57	65	983.4	1,020.0	.0	39.3	+3.8	61	4	45	18	28	33	29	801	----	---	1.09	-1.0	.63	12	5.1	s.	25	w.	11	4	6	21	7.6	.7	T	0
Yakima [1]	1,076	58	67	979.0	1,019.0	----	33.9	------	64	10	43	8	30	25	31	965	28	84	.11	------	.04	4	----	w.	--	------	--	6	6	19	7.2	T	.0	0
NORTH PACIFIC COAST							41.9	+.2										84	5.97	-1.2											8.1			
North Head	211	5	55	1,010.5	1,018.3	+1.4	43.6	-.5	55	2	48	30	17	40	14	662	40	86	6.87	-2.6	1.23	20	15.2	s.	50	s.	1	4	5	22	7.7	.0	.0	0
Seattle [2]	125	90	321	1,013.9	1,018.6	+2.3	41.8	-.8	58	2	46	27	30	38	13	719	36	85	5.79	+.2	1.39	18	10.2	se.	37	s.	10	5	4	24	8.1	.4	.0	0
Tacoma	194	172	201	1,011.5	1,018.6	+2.3	41.0	+.4	57	2	45	24	30	36	15	747	----	---	6.41	-.3	1.32	21	8.5	s.	31	s.	1	4	6	21	7.7	T	.0	0
Tatoosh Island	86	9	61	1,013.9	1,017.3	+2.7	41.9	-2.0	53	2	45	33	15	39	11	716	38	84	12.66	-.7	2.27	21	18.2	e.	51	s.	2	4	1	26	8.2	T	.0	1
Medford [1]	1,329	29	58	972.6	1,021.7	----	38.8	+.7	59	4	46	22	18	32	22	814	35	86	1.28	-1.6	.64	8	----	n.	--	------	--	2	6	23	8.2	T	.0	0
Portland, Oreg. [3]	154	68	106	1,013.9	1,020.0	+1.7	43.8	+2.6	59	3	48	27	30	40	13	656	37	82	6.01	-.7	2.01	16	6.0	s.	24	sw.	12	3	5	23	8.4	.0	.0	0
Roseburg	510	45	76	1,002.0	1,021.0	+1.4	42.6	+.8	59	4	48	28	18	38	19	697	38	84	2.76	-2.6	1.04	15	3.4	s.	15	sw.	14	0	3	28	8.7	.0	.0	0
MIDDLE PACIFIC COAST							48.2	+.2										80	2.26	-2.2											7.3			
Eureka	60	72	88	1,018.0	1,020.3	+.3	48.7	+.5	64	2	55	32	30	42	21	507	44	81	1.56	-4.7	.32	16	6.0	se.	27	n.	26	6	5	20	7.1	.0	.0	0
Red Bluff [1]	353	5	26	1,006.8	1,019.6	----	46.6	+.5	67	22	54	28	31	40	28	568	38	74	3.14	-1.3	1.61	11	6.4	nw.	24	nw.	27	5	4	22	7.6	.0	.0	0
Sacramento [3]	66	92	115	1,017.3	1,019.6	-1.1	46.0	-.2	61	22	52	31	18	41	21	587	42	86	1.56	-1.5	.48	8	5.2	n.	22	n.	30	3	7	21	7.7	.0	.0	0
San Francisco [2]	155	112	132	1,013.2	1,019.0	-1.0	51.4	+.1	64	23	56	41	20	47	14	424	42	80	2.77	-1.2	1.26	10	5.9	n.	18	w.	6	6	7	18	6.7	.0	.0	0
SOUTH PACIFIC COAST							53.0	+.6										76	2.20	+.3											7.0			
Fresno [1]	327	5	34	1,007.1	1,019.6	-.7	45.6	+.5	66	23	52	27	31	39	26	602	42	87	1.95	+.5	.82	8	3.5	se.	19	nw.	27	1	5	25	8.6	.0	.0	0
Los Angeles	338	223	250	1,005.1	1,017.3	-1.0	56.4	-.2	72	10	64	41	15	49	26	266	44	66	3.47	+.8	2.13	6	6.3	w.	29	n.	30	9	9	13	5.9	.0	.0	1
San Diego [1]	87	20	55	1,013.5	1,016.6	-1.7	57.1	+1.6	75	20	65	42	9	49	30	246	47	74	1.18	-.7	.54	4	5.4	ne.	22	e.	25	5	12	14	6.5	.0	.0	0
ALASKA																																		
Anchorage [1]	132	6	44	1,005.1	1,010.2	----	5.0	-8.3	42	18	12	-33	15	-3	29	1,856	-1	68	0.97	+0.11	0.30	10	6.9	ne.	45	sw.	18	11	4	16	6.1	16.7	15.3	0
Fairbanks [1]	455	5	63	999.7	1,018.6	----	-22.6	-15.5	19	31	-15	-57	14	-30	52	2,715	-26	84	.53	-.06	.11	14	2.4	nw.	17	sw.	19	4	9	18	7.2	9.2	18.6	0
Juneau [1]	80	6	30	1,007.1	1,010.2	----	21.7	-4.2	43	18	27	-7	11	17	22	1,343	17	77	2.47	-3.15	.64	20	8.5	n.	40	se.	17	2	3	26	8.6	21.9	T	0
Nome	22	10	75	1,015.6	1,016.3	----	-1.1	-8.6	28	31	8	-36	18	-10	39	2,046	-1	92	1.76	+.65	1.02	11	12.9	e.	47	e.	21	8	7	16	6.4	16.8	41.8	0
Bethel	28	5	31	1,013.5	1,014.9	----	0.6	-6.4	36	22	9	-35	13	-8	39	1,991	-2	86	1.27	+.49	.39	14	11.2	n.	29	------	4	7	8	16	6.4	12.7	16.1	0
Cordova	45	5	32	1,003.7	1,005.8	----	14.8	------	38	18	24	-15	12	6	37	1,555	14	89	5.95	------	1.83	16	----	e.	--	------	--	9	5	17	6.5	34.5	17.5	0
Gambell	32	5	32	1,016.3	1,017.3	----	7.1	-1.8	31	30	12	-13	16	2	27	1,795	6	---	.38	-.27	----	11	----	n.	--	------	--	1	5	25	9.0	6.0	2.1	0
Ketchikan	25	69	90	1,009.1	1,010.2	----	34.2	-1.1	44	18	38	22	27	30	14	958	32	88	16.20	+.26	2.58	23	6.4	se.	29	se.	5	3	1	27	8.5	31.7	0.0	0
Kotzebue	20	5	31	1,017.3	1,018.0	----	10.6	-6.5	27	31	-3	-36	16	-18	31	2,325	-20	63	.42	+.13	.12	13	----	ne.	--	------	--	6	12	13	6.2	4.1	0.6	0
McGrath	341	5	31	1,003.4	1,030.8	----	-17.2	-9.3	25	24	-8	-61	15	-26	42	2,538	-18	90	1.63	+.40	.45	14	----	nw.	--	------	--	11	4	16	6.1	31.7	30.5	0
HAWAII																																		
Honolulu	38	86	100	1,011.2	1,012.5	----	72.2	-.2	82	11	77	64	30	68	13	0	----	---	5.25	+1.3	1.27	18	9.0	ne.	38	ne.	20	7	11	13	6.3	.0	.0	3

[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.