CLIMATOLOGICAL DATA FOR FEBRUARY 1948

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	+3.2	Eufaula	86	28	Madison	14	1	6.31	+1.06	Waterloo	14.04	Spring Hill	0.91
Arizona	43.1	−2.8	2 stations	89	[1] 18	Alpine	−28	12	1.56	+.26	Junipine	4.54	Mohawk	.01
Arkansas	41.5	−2.1	Okay	82	29	Gravette	8	14	6.08	+2.54	Clarendon	11.15	Gravette	3.04
California	44.7	−3.0	Indio	91	20	Boca	−20	12	2.17	−2.29	Elk Valley	12.98	Greenland Ranch	.00
Colorado	24.2	−3.0	Wray	72	26	2 stations	−35	13	1.30	+.33	Wolf Creek Pass	12.07	Otis	.06
Florida	64.2	+3.7	4 stations	90	[1] 8	4 stations	27	1	1.07	−1.97	Glen Saint Mary	4.98	5 stations	.00
Georgia	51.2	+2.6	Waycross	87	29	Blairsville	16	2	5.05	+.26	Dalton	11.77	Valdosta	.79
Idaho	28.0	−.1	Kooskia	69	[1] 18	Island Park Dam	−37	12	2.10	+.35	Roland	7.05	Mud Lake	T
Illinois	30.3	+.4	Olney	72	18	Rockford Airport	−14	9	2.14	+.23	Anna	3.94	Alton	.88
Indiana	31.0	+1.0	Jeffersonville	75	18	2 stations	−10	9	2.70	+.28	N. Vernon	5.60	Noblesville	.97
Iowa	23.2	+.4	Knoxville	67	17	Decorah	−29	12	1.90	+.80	Allison	3.00	Osage	.90
Kansas	30.9	−2.4	Ashland	79	18	Bison	−15	13	1.62	+.63	Hanover No. 2	4.48	Goodland	.31
Kentucky	38.8	+1.7	2 stations	79	28	Quicksand	−5	3	5.01	+1.56	Burnside	8.68	Mt. Sterling	2.96
Louisiana	53.6	−.2	do	90	[1] 6	Plain Dealing	18	1	4.22	−.21	Lake Providence	9.33	Port Sulphur	.37
Maryland-Delaware	34.3	+1.0	2 stations, Md	82	28	Oakland, Md	−11	9	2.24	−.70	Sines, Md	4.15	Germantown, Md	1.13
Michigan	19.6	−.7	Monroe	60	20	Kenton	−39	4	1.69	.00	Mt. Clemens	4.53	Atlanta	.51
Minnesota	10.5	−2.1	Albert Lea	54	26	Meadowlands	−43	3	1.45	+.68	Hinckley	2.67	Big Falls	.20
Mississippi	49.1	−.3	3 stations	85	[1] 8	2 stations	10	10	7.57	+2.62	New Albany	14.68	Biloxi	.77
Missouri	33.3	.0	Ozark Beach	78	18	6 stations	−9	8	2.16	+.07	Deering	5.42	Bethany	.36
Montana	20.0	−2.3	2 stations	67	17	West Yellowstone	−39	11	1.01	+.25	Summit	5.69	Choteau	.01
Nebraska	25.4	−1.1	Cambridge	75	18	Niobrara	−22	8	.94	+.25	Wymore	3.61	Mullen	.08
Nevada	32.2	−2.0	Las Vegas	79	20	Fish Creek Ranch	−21	[1] 3	.67	−.39	Lehman Caves, N. Mex.	2.21	Lathrop Wells	.00
New England	18.7	−3.9	3 stations	56	[1] 14	First Conn. Lake, N. H.	−41	10	2.05	−.99	Whitingham, Vt	4.36	Bangor, Maine	.63
New Jersey	29.6	−1.1	Pemberton	70	19	Layton	−21	1	2.47	−1.00	Hammonton	4.51	Manville	1.35
New Mexico	35.4	−2.3	Lake McMillan	82	19	Eagle Nest	−44	12	1.64	+.94	Red River	3.87	Carlsbad	.41
New York	20.9	−1.5	3 stations	64	19	Stillwater Reservoir	−40	10	2.27	−.38	Salisbury	4.29	Addison	.78
North Carolina	43.5	+.9	Louisburg	84	28	Louisburg	2	3	4.75	+.73	Andrews	9.66	Manteo	1.72
North Dakota	7.1	−2.7	Medora	60	18	Belcourt	−37	8	.99	+.52	Hillsboro	1.89	Hansboro	.30
Ohio	30.7	+1.3	2 stations	74	[1] 18	2 stations	−21	9	3.06	+.47	Higginsport	4.61	Ellsworth	1.08
Oklahoma	37.6	−3.5	Poteau	81	18	Beaver	−15	13	2.88	+1.40	Carnasan Tower	6.42	Newkirk	.59
Oregon	33.2	−2.2	Lake Creek	77	25	Chemult	−22	12	3.99	+.82	Valsetz	23.83	Plush	.08
Pennsylvania	28.3	.0	Phoenixville	75	20	4 stations	−25	[1] 1	2.07	−.79	Kregar	3.98	Covington	.62
South Carolina	47.4	.0	2 stations	85	[1] 26	Caesars Head	15	22	4.88	+.72	Calhoun Falls	7.56	Batesburg	1.90
South Dakota	16.9	−2.4	Longvalley	72	17	Castlewood	−31	8	.70	+.14	Clear Lake	1.94	Winner	T
Tennessee	42.3	+1.1	3 stations	78	28	Union City	1	1	8.81	+4.31	Savannah	15.05	Tri-City Airport	4.33
Texas	49.1	−2.2	2 stations	92	[1] 20	Miami	−7	13	2.56	+.78	Bronson	6.53	Pecos	T
Utah	28.1	−1.9	St. George	71	21	Woodruff	−40	12	1.31	+.03	Alta	4.73	Callao	.00
Virginia	38.3	+1.1	Fredericksburg	85	28	2 stations	−6	[1] 2	2.62	−.42	Pennington Gap	6.63	Amissville	.62
Washington	32.4	−1.9	Shelton	71	17	Bumping Lake	−17	12	5.46	+1.81	Quinalt	19.95	Lost Creek	.10
West Virginia	35.8	+2.5	Romney	79	28	3 stations	−14	[1] 7	3.61	+.50	Pickens No. 2	7.34	Wardensville	.65
Wisconsin	16.8	−.4	Kenosha	57	26	Mellen	−42	4	1.62	+.43	Ripon	2.64	Rainbow Reservoir	.57
Wyoming	20.7	−1.6	Pine Bluffs	67	26	Foxpark	−43	6	.84	+.07	Snake River	4.27	Diversion Dam	.02
Alaska (Jan.)	6.5	+3.6	Sitka	49	14	Umiat	−56	5	3.20	+.97	Latouche	32.71	Wainwright	.04
Hawaii	67.6	−1.0	2 stations	87	[1] 19				5.63	−1.53	Alakahi (upper)	14.25	Kalae	1.33
Puerto Rico	73.7	+.6	Ponce	95	11	2 stations	51	[1] 28	2.38	−.45	Rio Blanco (1,800' elev.)	7.59	Potala	.00

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR FEBRUARY 1948

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 thunder storms
	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.	°F.	°F.	°F.		°F.	°F.		°F.	°F.		°F.	%	In.	In.	In.		Mi.								0–10	In.	In.	
NEW ENGLAND							22.6	−2.8										75	2.16	−1.2											6.1			
Eastport	75	67	82	1,018.6	1,021.7	+7.8	18.0	−3.6	48	14	27	−9	4	9	37	1,364	8	66	1.90	−1.6	.90	11	11.9	nw.	34	w.	15	11	6	12	5.4	12.8	11.1	0
Portland, Maine [2]	103	6	43	1,018.6	1,022.7	+7.1	18.2	−2.6	52	14	31	−19	10	5	43	1,355	10	72	1.64	−2.5	.96	10	9.2	n.	33	nw.	18	12	7	10	5.1	12.3	6.6	0
Concord [2]	289	5	45	1,011.9	1,023.0	+7.1	16.4	−3.9	52	17	32	−26	10	1	50	1,410	8	76	1.53	−1.5	.75	12	6.9	nw.	30	nw.	8	8	7	14	6.0	13.7	10.7	0
Burlington [2]	403	6	51	1,006.8	1,022.7	+6.1	14.9	−4.5	46	17	28	−26	10	2	41	1,450	8	77	1.01	−.6	.37	13	10.5	s.	37	s.	19	8	8	13	5.8	9.8	7.4	0
Boston [2]	124	33	62	1,018.3	1,023.1	+7.5	26.6	−2.2	54	17	35	2	10	18	26	1,118	17	69	2.08	−1.4	.88	11	11.9	nw.	33	w.	14	8	8	13	6.0	17.0	5.6	0
Nantucket [2]	12	4	34	1,022.4	1,022.7	+7.8	29.2	−1.5	51	14	36	9	11	23	26	1,037	24	82	3.79	+.4	1.45	15	14.6	ne.	34	ne.	22	6	4	19	7.0	14.2	.7	1
Block Island	26	11	46	1,021.3	1,022.4	+6.8	29.2	−1.2	51	14	35	8	10	23	23	1,038	25	84	3.19	−.6	1.33	12	17.2	nw.	42	sw.	14	8	6	15	6.4	10.9	3.0	0
Providence [3]	159	65	60	1,016.9	1,023.4	+7.1	27.3	−1.7	55	17	36	1	10	19	30	1,092	16	70	2.34	−1.4	.80	11	8.8	n.	40	sw.	14	7	8	14	6.4	12.4	2.7	0
Hartford [2]	159	5	44	1,017.6	1,023.7	+7.1	23.2	−4.0	53	17	34	−9	11	13	36	1,214	17	79	1.96	−2.0	.67	10	8.6	n.	34	nw.	14	7	8	14	6.4	15.0	3.8	0
MIDDLE ATLANTIC							33.2	+.2										75	2.42	−.9											6.6			
Albany [2]	97	6	40	1,011.9	1,023.0	+5.7	18.2	−3.2	49	17	30	−21	10	6	42	1,355	10	73	2.08	−.5	.99	10	10.1	w.	38	w.	14	8	9	12	6.1	17.6	9.8	1
Binghamton [4]	871	57	79	990.5	1,023.7	+6.4	23.4	−.6	56	19	34	−18	1	13	46	1,206	14	80	1.71	−.7	.72	12	6.4	w.	25	w.	14	6	6	17	6.6	6.5	T	1
New York [4]	314	415	454	1,012.2	1,024.4	+7.1	31.2	−.1	56	18	39	7	9	24	32	980	20	66	2.49	−1.5	.59	10	14.2	n.	48	nw.	14	6	7	16	6.7	12.5	.0	0
Harrisburg [2]	374	30	49	1,009.5	1,023.7	+5.4	30.1	−.1	66	19	39	2	10	21	31	1,011	20	70	1.28	−1.8	.34	12	7.6	nw.	34	nw.	14	5	12	12	6.6	15.0	T	0
Philadelphia [4]	114	174	150	1,019.3	1,023.7	+5.4	33.4	−.5	68	19	41	10	10	26	30	914	24	80	3.17	−.3	.95	12	8.3	n.	21	nw.	29	7	9	13	6.3	13.0	.0	0
Reading	323	47	306	1,011.9	1,024.4	+6.1	31.2	+.7	65	19	40	5	1	22	30	982	----	---	2.07	−1.5	.57	10	10.7	nw.	43	se.	19	5	8	16	7.0	17.2	.0	0
Scranton	805	72	104	993.2	1,023.7	+5.7	26.4	−.9	58	19	35	−5	1	18	36	1,115	----	---	1.10	−2.0	.44	9	6.9	n.	32	nw.	14	7	12	10	6.1	5.4	T	0
Atlantic City	52	37	172	1,021.3	1,023.4	+5.8	34.4	+.8	65	18	41	12	9	27	26	885	28	76	3.36	−.1	.87	11	17.1	n.	47	s.	14	5	7	17	7.2	7.1	.0	0
Trenton	190	89	107	1,016.6	1,023.7	+6.1	31.2	+.5	68	19	39	7	9	23	32	983	----	---	2.27	−1.1	.68	11	9.4	n.	29	nw.	29	7	9	13	6.3	10.3	.0	0
Baltimore [4]	123	100	215	1,019.3	1,024.0	+5.4	36.6	+1.2	71	19	45	11	10	29	32	820	24	72	1.89	−1.6	.82	12	9.2	n.	44	w.	14	5	13	11	6.2	10.4	.0	0
Washington [4]	112	56	100	1,020.6	1,024.4	+5.8	37.4	+2.0	81	28	47	11	10	28	35	797	26	67	2.05	−1.3	.81	11	7.5	n.	33	nw.	14	7	8	14	6.5	9.3	.0	0
Cape Henry	18	8	54	1,022.0	1,022.7	+4.7	41.7	+.5	79	28	49	22	9	34	32	674	36	82	3.95	+.6	1.07	14	14.0	n.	43	n.	1	5	7	17	7.0	15.0	.0	0
Lynchburg [2]	686	5	58	997.6	1,023.4	+4.8	39.2	+.9	79	28	48	15	10	30	33	746	29	78	2.69	−.6	1.48	15	9.3	ne.	30	sw.	28	5	10	14	6.6	13.0	.0	0
Norfolk [4]	91	80	125	1,020.0	1,023.4	+4.8	43.1	+.4	78	28	51	22	9	35	27	638	34	80	3.65	+.3	1.09	15	11.6	n.	34	nw.	14	4	8	17	7.1	11.8	.0	0
Richmond [4]	144	11	52	1,017.3	1,022.7	+3.7	40.9	+1.3	81	28	51	15	3	31	34	697	30	76	2.61	−.7	.60	17	8.7	ne.	38	sw.	14	7	7	15	6.4	8.9	.0	0
SOUTH ATLANTIC							48.2	+1.1										83	3.72	−.1											7.3			
Asheville	2,253	77	92	----	----	----	44.0	+5.5	72	28	52	20	3	36	37	610	----	---	3.45	+.2	1.11	16	9.2	se.	27	nw.	14	4	6	19	7.6	8.4	.0	0
Charlotte [4]	779	63	86	994.2	1,023.4	+4.4	44.7	+.8	78	28	53	18	10	36	28	593	34	77	5.51	+1.2	1.65	13	7.8	ne.	26	w.	14	6	3	20	7.5	7.1	.0	0
Greensboro [2]	886	6	56	990.9	1,023.7	+4.4	41.4	+2.0	79	28	52	14	10	31	40	688	32	80	2.48	−1.4	.50	14	9.3	ne.	33	sw.	14	4	6	19	7.3	8.8	.0	0
Hatteras	11	5	47	1,021.0	1,021.3	+3.0	48.0	+.6	71	20	54	32	2	42	26	492	43	88	5.33	+1.1	1.42	17	15.2	ne.	61	ne.	1	4	6	19	7.6	T	.0	0
Raleigh [4]	376	5	71	1,009.1	1,022.7	+3.7	43.0	−.2	80	28	53	15	10	33	31	640	34	82	4.16	+.1	.92	16	7.8	ne.	34	w.	14	5	9	15	6.7	16.0	.0	0
Wilmington	72	73	107	1,021.3	1,022.7	+3.4	48.1	+.2	77	26	57	23	10	40	33	495	41	86	4.01	+.7	1.99	11	9.4	n.	37	sw.	14	6	9	14	6.7	.3	.0	0
Charleston [4]	48	11	92	1,020.7	1,022.4	+3.1	50.8	−1.6	82	29	59	26	1	43	28	415	43	86	3.51	+.4	1.63	11	10.1	n.	30	w.	14	5	8	16	7.1	.0	.0	0
Columbia, S. C. [4]	347	70	91	1,010.2	1,023.0	+3.7	48.6	+.4	81	28	58	21	1	40	33	487	39	82	4.53	+.6	1.51	15	8.2	ne.	32	w.	14	5	8	16	6.8	T	.0	0
Greenville, S. C. [2]	1,040	18	36	984.4	1,022.4	+4.4	45.8	+2.5	76	28	54	24	10	38	32	558	36	81	4.01	−1.4	1.23	17	9.8	ne.	31	w.	14	6	2	21	7.4	5.7	.0	0
Augusta [4]	182	62	77	1,015.9	1,022.4	+3.4	50.5	+.6	82	28	60	25	10	41	34	427	40	80	5.18	+1.0	1.50	15	5.9	nw.	25	w.	14	6	4	19	7.6	.0	.0	2
Savannah [2]	65	19	51	1,020.3	1,022.7	+3.4	54.0	+1.6	83	29	64	30	2	44	33	330	46	84	1.17	−2.1	.70	10	10.3	ne.	37	w.	14	3	9	17	7.6	.0	.0	0
Jacksonville [4]	43	86	110	----	1,022.0	+2.4	59.2	+1.2	82	29	68	34	1	50	31	203	----	---	1.33	−1.8	.81	8	8.6	ne.	26	nw.	14	3	11	15	7.2	.0	.0	1
FLORIDA PENINSULA							70.5	+3.7										83	.57	−1.5											4.1			
Key West [4]	21	10	64	1,019.0	1,019.6	+1.0	74.2	+3.7	84	14	79	58	2	69	16	3	66	82	.07	−1.3	.07	1	9.4	e.	20	e.	25	18	9	2	3.4	.0	.0	0
Miami [4]	25	242	249	1,019.3	1,020.3	+1.0	71.0	+3.0	81	17	75	48	2	67	20	17	62	83	.63	−1.5	.42	6	12.4	e.	32	ne.	24	14	10	5	4.3	.0	.0	0
Tampa [2]	35	5	36	1,020.0	1,021.3	+1.7	66.4	+4.5	83	29	77	38	2	56	29	50	58	84	1.00	−1.6	.91	5	7.6	ne.	24	s.	9	11	12	6	4.7	.0	.0	0
EAST GULF							53.0	+1.8										84	4.40	−.6											7.9			
Atlanta [2]	1,173	33	72	979.7	1,022.0	+2.7	48.2	+2.9	77	27	57	24	2	39	30	491	40	81	6.20	+1.0	1.93	13	10.3	e.	35	w.	14	4	6	19	7.6	.5	.0	1
Macon [4]	370	79	87	1,008.8	1,022.0	+2.0	51.2	+1.9	82	28	61	28	1	42	34	407	42	77	4.40	−.2	1.48	15	6.9	ne.	23	nw.	14	3	5	21	8.0	T	.0	1
Apalachicola	35	11	51	1,020.3	1,021.7	+2.4	58.6	+2.3	77	6	65	33	1	52	23	207	54	90	1.21	−2.8	.54	6	8.4	e.	29	nw.	14	3	9	17	6.9	.0	.0	1
Pensacola [4]	56	54	79	1,019.3	1,021.7	+2.1	57.2	+2.0	78	28	64	30	1	50	22	244	52	86	.78	−3.7	.25	8	7.5	e.	23	nw.	14	1	7	21	8.0	.0	.0	0
Anniston	618	6	32	1,003.1	1,022.7	+2.7	48.9	+3.0	78	28	59	22	2	39	40	465	42	85	6.81	+1.2	2.29	10	---	ne.	--	----	--	2	6	21	----	.0	.0	1
Birmingham [2]	700	5	63	996.3	1,022.0	+2.0	49.3	+2.8	79	28	59	23	2	40	38	459	42	82	7.90	+2.7	2.64	10	8.9	n.	40	sw.	13	2	8	19	8.0	.0	.0	2
Mobile [4]	57	86	161	1,019.3	1,021.3	+1.7	55.8	+1.1	82	29	64	29	1	47	30	282	50	88	1.34	−4.2	.55	10	8.3	s.	25	s.	13	2	6	21	8.2	.0	.0	0
Montgomery [4]	218	92	105	1,013.5	1,021.7	+1.7	54.4	+2.8	82	28	63	30	1	46	29	325	46	83	4.98	−.7	1.66	13	7.6	e.	24	sw.	13	1	8	20	8.2	.0	.0	1
Meridian [4]	375	67	92	1,007.8	1,021.7	+2.1	51.1	+1.5	80	28	60	25	1	42	36	412	44	84	5.48	−.2	1.47	11	6.7	n.	27	s.	13	2	7	20	8.2	.0	.0	2
Vicksburg [4]	247	82	102	1,011.9	1,021.0	+1.0	50.4	−1.4	78	28	58	25	9	42	27	436	42	84	7.83	+2.8	2.07	15	9.2	n.	27	se.	11	3	4	22	8.0	T	.0	3
New Orleans	53	76	84	1,019.0	1,021.0	+1.4	58.4	+1.1	83	28	67	33	1	50	33	235	52	85	1.51	−2.9	.39	14	7.2	e.	21	e.	23	1	7	21	8.2	.0	.0	1
WEST GULF							51.3	−1.4										85	3.43	+.8											8.1			
Shreveport [2]	249	5	64	1,011.2	1,020.3	+.7	48.4	−2.5	84	28	57	25	1	40	35	488	42	83	4.14	+.7	1.35	16	10.2	se.	32	sw.	27	3	4	22	8.2	1.0	.0	2
Fort Smith [2]	463	6	30	1,003.4	1,020.0	+1.0	42.4	−.4	77	17	50	16	14	35	46	658	34	78	4.68	+2.0	.99	14	8.7	ne.	35	sw.	27	5	4	20	7.7	2.0	.0	3
Little Rock [2]	357	26	58	1,008.5	1,021.7	+2.1	42.2	−2.7	75	18	50	21	2	35	33	658	35	78	7.14	+3.1	1.64	14	8.8	ne.	32	sw.	27	4	6	19	7.8	T	.0	3
Austin [2]	605	5	41	997.0	1,018.6	+.6	50.7	−2.7	83	28	60	23	9	41	39	431	44	83	2.71	+.3	.76	14	9.7	s.	34	nw.	27	3	3	23	8.3	T	.0	3
Brownsville [2]	57	5	54	1,013.9	1,016.3	−.3	64.4	+1.8	84	27	73	36	12	56	35	123	58	90	1.67	+.1	1.01	8	12.7	se.	34	s.	5	3	4	22	8.1	.0	.0	1
Corpus Christi [2]	20	6	33	1,016.9	1,017.6	−.4	59.0	+2.1	78	18	68	30	12	50	36	212	54	90	1.71	------	.47	12	12.7	se.	34	n.	8	2	2	25	8.4	.0	.0	1
Dallas [2]	512	34	45	1,000.7	1,019.3	+.3	47.0	−3.0	85	19	55	21	9	39	37	534	40	82	2.46	+.1	.99	14	11.4	se.	43	w.	27	6	3	20	7.7	.4	.0	4
Fort Worth [2]	679	40	56	994.6	1,019.3	+.7	46.3	−1.0	83	19	55	19	9	38	37	549	40	84	4.12	+2.3	2.38	17	12.5	n.	46	sw.	27	6	3	20	7.7	.9	.0	4
Galveston [4]	54	122	129	1,017.3	1,019.3	+.3	54.2	−2.1	74	28	60	31	13	48	31	314	50	93	2.06	−.9	.92	10	13.3	e.	38	e.	23	2	4	23	8.2	.0	.0	1
Houston [4]	138	157	190	1,013.9	1,019.3	+.3	55.0	−.9	82	28	62	31	9	48	24	305	50	90	2.92	−.3	.85	13	10.8	se.	33	se.	23	1	5	23	8.9	.0	.0	0
Palestine	510	64	72	1,001.4	1,019.6	+.3	50.2	−1.0	82	28	58	25	9	42	28	439	43	79	3.74	+.6	1.22	14	8.5	s.	31	se.	26	2	4	23	8.2	T	.0	3
Port Arthur [4]	34	59	134	1,018.3	1,019.3	+.7	54.0	−3.1	78	28	61	33	10	47	28	320	50	92	5.37	+1.7	2.71	14	13.2	s.	33	s.	27	2	5	22	8.3	.0	.0	0
San Antonio [2]	693	8	51	992.9	1,018.3	+.3	52.6	−2.8	84	28	63	23	12	42	44	372	46	80	1.86	+.1	.78	16	10.1	ne.	32	se.	26	3	5	21	8.1	.0	.0	1
OHIO VALLEY AND TENNESSEE							36.6	+1.7										79	4.64	+1.3											6.9			
Chattanooga [2]	762	6	66	994.2	1,022.4	+2.4	46.6	+4.4	78	28	55	23	3	38	39	531	38	79	9.61	+4.6	3.93	17	8.0	n.	37	w.	14	1	10	18	8.0	.8	.0	2
Knoxville [5]	995	27	71	985.8	1,022.4	+2.8	44.5	+3.7	75	19	53	20	3	36	37	594	36	81	6.38	+1.7	2.15	18	8.0	ne.	40	sw.	13	1	10	18	7.8	2.8	.0	0
Memphis [2]	399	5	49	1,007.1	1,021.7	+1.7	42.2	−.8	72	18	50	14	10	35	34	659	36	82	9.21	+4.7	3.63	13	7.9	n.	27	sw.	27	6	1	22	7.6	1.5	.0	5
Nashville [2]	546	5	72	1,002.4	1,022.4	+2.1	42.0	+.4	74	27	50	8	2	34	34	668	35	81	7.83	+3.6	4.04	13	9.3	n.	40	sw.	27	4	5	20	7.7	1.0	.0	3
Lexington [2]	989	4	58	985.4	1,022.7	+3.1	35.8	+.4	70	18	45	5	10	27	32	845	30	82	4.93	+1.2	1.95	10	----	sw.	--	----	--	5	8	16	6.8	9.1	.0	2
Louisville	525	5	54	50.41,0	2201,	2.7	137.2	+7.2	73	27	47	7	2	28	33	808	29	76	4.61	+1.0	1.93	12	8.0	s.	36	sw.	28	4	9	16	7.0	13.1	.0	1

See footnotes at end of table

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR FEBRUARY—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 [2]	431	6	40	1,006.8	1,023.0	+3.4	35.0	+.1	71	27	45	3	6	25	35	869	30	84	3.27	-.1	.68	12	8.9	nw.	40	sw.	27	6	5	18	7.0	11.3	.0	0
Indianapolis [2]	823	5	54	991.9	1,023.0	+4.0	31.0	+.7	66	18	40	3	9	22	37	987	24	78	1.82	----	.66	11	10.8	sw.	42	sw.	28	6	10	13	6.4	5.9	.0	1
Terre Haute [2]	575	4	36	1,001.7	1,023.4	+4.1	31.8	+.5	66	18	42	2	6	22	38	962	25	81	2.37	-.4	.90	12	10.0	s.	35	w.	28	8	7	14	6.2	5.9	.0	1
Cincinnati [4]	627	135	148	999.0	1,022.4	+4.1	36.7	+3.9	74	18	46	7	9	28	33	822	28	81	4.05	+1.0	1.66	11	4.9	ne.	19	nw.	19	8	6	15	6.2	11.4	.0	1
Columbus [4]	822	90	110	992.2	1,023.0	+4.0	32.6	+1.9	66	19	41	3	9	24	36	939	24	80	2.75	.0	1.37	11	9.5	s.	44	sw.	28	8	6	15	6.2	6.7	.0	0
Dayton [2]	1,003	6	55	985.4	1,023.0	+4.4	30.0	+.1	64	18	39	-2	10	21	34	1,016	24	80	3.37	+.6	2.06	12	11.7	ne.	47	w.	28	7	8	14	6.4	8.1	.0	0
Elkins [2]	1,947	5	45	951.6	1,023.0	+3.4	34.5	+3.5	69	19	47	-2	10	22	41	884	26	80	4.06	+.9	1.29	16	7.9	w.	41	w.	14	5	7	17	7.0	16.6	.0	0
Parkersburg	637	77	84	999.7	1,023.7	+4.1	36.6	+2.4	74	19	47	3	9	26	30	819	27	73	3.45	+.2	1.05	13	6.7	n.	28	nw.	19	6	7	16	6.9	14.8	.0	1
Pittsburgh [2]	842	39	54	991.9	1,023.4	+5.1	32.8	+3.0	68	19	42	1	9	24	31	935	22	70	1.90	-.8	.64	13	10.8	nw.	36	sw.	14	6	11	12	6.3	9.5	T	1
LOWER LAKES																																		
							24.4	+.2										80	2.45	-.1											6.8			
Buffalo [2]	768	34	96	993.6	1,023.0	+6.1	25.2	+1.5	62	19	34	-5	1	16	36	1,153	18	80	2.94	-.1	1.37	16	13.9	w.	40	w.	19	4	12	13	6.9	7.0	T	0
Canton	448	10	61	1,005.1	1,022.4	+5.8	15.0	-.8	54	19	28	-30	1	2	41	1,444	10	83	2.50	+.1	1.00	16	8.6	w.	29	w.	19	9	6	14	6.1	13.3	6.2	0
Oswego	335	71	85	1,008.5	1,021.7	+5.4	22.6	-.1	54	19	31	-13	1	14	28	1,231	14	68	2.16	-.6	.82	20	10.9	se.	34	nw.	14	6	5	18	7.1	11.8	2.7	1
Rochester [2]	523	4	69	1,003.4	1,023.4	+6.1	23.1	+.2	59	19	33	-10	1	13	36	1,213	18	84	2.50	-.3	.88	17	10.7	w.	36	w.	14	5	10	14	7.0	14.5	2.7	0
Syracuse [2]	596	5	57	1,000.7	1,023.7	+6.4	21.3	-1.6	56	19	33	-20	1	9	42	1,265	14	76	2.19	-.6	.70	16	10.4	sw.	37	s.	14	7	6	16	6.8	13.4	3.2	0
Erie [4]	714	57	81	995.9	1,023.4	+5.8	28.3	+1.4	65	19	36	3	9	21	33	1,064	19	82	2.67	.0	.85	10	9.0	w.	28	se.	28	5	9	15	6.8	7.7	T	0
Cleveland [2]	762	27	54	994.2	1,023.4	+5.4	28.6	+2.3	63	19	38	-8	9	19	36	1,056	21	80	2.19	-.4	1.33	10	11.0	s.	41	w.	28	5	9	15	6.9	4.0	.1	0
Sandusky	629	5	67	999.3	1,023.7	+5.4	28.0	+.6	61	19	36	0	9	21	35	1,071	----	---	2.36	+.2	1.30	9	9.8	e.	32	w.	28	10	7	12	5.7	3.5	T	0
Toledo [2]	628	5	47	999.0	1,023.4	+4.8	25.6	-.4	59	19	34	-9	9	17	35	1,141	20	80	2.41	+.3	1.16	10	11.5	sw.	40	sw.	28	6	8	15	6.8	4.2	T	0
Fort Wayne [2]	857	5	34	990.5	1,023.0	+4.4	26.6	.0	59	18	36	0	9	18	38	1,115	21	82	2.67	+.2	1.35	8	8.7	s.	34	sw.	28	5	11	13	6.8	3.7	.0	0
Detroit [2]	730	5	77	995.6	1,023.7	+5.7	24.4	-.4	55	19	32	-1	10	17	37	1,178	18	80	2.36	+.1	1.18	9	10.0	n.	42	nw.	19	1	11	17	7.7	4.6	T	0
UPPER LAKES																																		
							19.1	+.8										79	1.48	-.3											6.5			
Alpena	609	5	89	999.0	1,022.7	+5.4	18.2	+.2	48	19	27	-12	10	9	41	1,356	14	80	1.65	-.1	1.08	9	11.1	nw.	38	e.	28	2	14	13	7.0	16.8	9.6	0
Escanaba	612	51	72	998.3	1,022.0	+4.0	16.0	+.6	43	16	25	-13	10	7	35	1,418	10	75	.90	-.6	.78	5	9.8	s.	35	nw.	19	13	8	8	4.9	9.5	12.2	0
Grand Rapids [4]	707	70	244	995.6	1,022.7	+4.7	25.0	+1.3	51	24	32	-1	10	18	37	1,157	17	84	1.87	-.4	1.23	12	10.3	sw.	38	sw.	28	2	9	18	7.5	10.5	T	1
Lansing [4]	878	5	90	989.5	1,023.0	+5.4	23.0	+.1	50	24	31	-4	10	15	36	1,220	16	78	2.03	+.1	1.16	9	8.1	sw.	32	nw.	19	2	14	13	7.1	6.4	T	0
Marquette	734	44	73	993.2	1,021.7	+4.1	17.8	+1.5	51	16	26	-8	10	10	35	1,365	11	78	1.06	-.9	.86	10	8.8	w.	28	w.	19	8	9	12	6.1	10.4	19.4	0
Sault Sainte Marie [2]	614	10	52	998.0	1,022.0	+4.4	13.7	+2.3	39	16	23	-15	10	4	33	1,484	8	88	1.27	-.2	.33	17	11.1	w.	47	nw.	19	3	7	19	7.5	18.6	16.0	0
Chicago [2]	673	5	38	997.3	1,022.7	+4.1	26.3	+1.4	55	18	34	-2	9	18	38	1,123	20	78	1.62	-.5	1.02	10	9.8	n.	42	nw.	19	4	8	17	7.1	5.6	T	0
Green Bay	617	5	32	999.7	1,023.7	+5.7	16.8	-.6	46	17	26	-15	10	7	36	1,398	10	72	1.93	+.3	.80	11	8.1	s.	42	sw.	19	7	8	14	6.1	13.2	7.6	0
Milwaukee [2]	681	33	66	996.6	1,022.4	+4.4	23.2	+2.0	51	26	31	-4	8	16	40	1,209	16	74	1.68	-.2	1.32	11	12.2	nw.	44	w.	28	5	8	16	7.0	6.1	T	0
Duluth [4]	1,133	5	47	978.3	1,022.4	+4.1	10.8	-.6	41	16	21	-25	8	1	36	1,572	4	87	.81	-.3	.51	7	13.0	w.	49	w.	19	14	7	8	4.6	8.1	7.9	0
NORTH DAKOTA																																		
							6.2	-1.2										87	1.12	+.6											5.9			
Fargo [2]	940	5	47	986.5	1,023.4	+3.1	5.6	-2.5	33	18	16	-27	8	-5	36	1,719	2	85	1.60	+.9	.82	12	12.8	s.	46	nw.	19	12	7	10	5.3	15.8	23.0	0
Bismarck [2]	1,677	5	41	958.3	1,022.7	+2.7	7.0	-1.5	44	17	18	-28	3	-4	40	1,684	4	88	.85	+.4	.36	10	11.1	e.	52	nw.	19	9	8	12	6.1	12.7	16.3	0
Devils Lake	1,478	11	44	965.5	1,023.0	+3.4	4.0	-1.1	35	16	14	-25	8	-6	36	1,772	1	90	.83	+.3	.25	10	9.9	w.	34	nw.	19	12	9	8	5.2	12.6	19.8	0
Grand Forks [2]	1,832	4	41	991.5	1,024.7	+3.4	2.3	----	33	16	13	-30	8	-9	35	1,816	0	86	1.03	----	.43	11	----	nw.	--	-------	--	10	6	13	----	13.1	20.2	0
Williston	1,878	42	50	950.2	1,021.3	+1.7	8.4	+.3	43	15	19	-20	3	-2	50	1,643	6	86	1.18	+.8	.42	10	7.1	e.	29	nw.	18	7	6	16	6.9	13.7	13.3	0
UPPER MISSISSIPPI																																		
							25.1	+.8										78	1.98	+.2											6.4			
Minneapolis-St. Paul [2]	919	43	74	987.1	1,022.7	+4.1	15.6	-.3	48	17	25	-20	8	6	40	1,430	9	77	1.37	+.4	.91	8	10.0	se.	40	nw.	19	10	10	9	5.4	11.6	8.7	0
La Crosse [2]	714	5	29	994.9	1,022.7	+3.7	17.5	+.5	52	17	28	-20	9	7	40	1,375	12	82	1.61	+.5	1.15	9	8.3	nw.	43	nw.	15	8	7	14	6.2	8.0	3.0	0
Madison [2]	974	27	39	985.8	1,023.0	+4.0	19.5	+.4	51	26	30	-17	9	9	37	1,321	12	77	2.13	+.6	1.65	7	9.4	nw.	45	nw.	19	6	8	15	6.6	5.8	.2	0
Charles City	1,015	10	51	984.8	1,023.7	+4.1	19.7	+2.6	52	26	30	-18	8	10	37	1,312	----	---	2.62	+1.5	2.12	9	6.4	nw.	24	nw.	19	10	8	11	5.3	6.1	T	0
Moline [2]	606	6	50	1,000.0	1,023.7	+4.1	24.4	+.9	56	18	34	-6	9	15	41	1,177	18	78	2.35	+.7	1.90	8	9.5	e.	37	sw.	28	6	7	16	6.8	3.0	.0	1
Dubuque	699	60	79	996.3	1,023.4	+4.1	23.2	+1.0	54	26	32	-4	8	14	39	1,215	16	74	2.02	+.6	1.53	7	5.5	nw.	26	nw.	19	6	9	14	6.6	3.3	T	0
Burlington [2]	702	4	36	996.3	1,023.0	+3.4	26.0	-.4	60	17	35	-4	8	17	35	1,144	20	82	1.67	-.1	1.41	8	10.7	nw.	40	nw.	19	7	3	19	7.0	2.2	.0	1
Cairo	357	5	99	1,009.5	1,023.0	+3.4	38.7	+.2	70	18	46	12	1	31	34	762	----	---	3.25	.0	.80	12	9.9	ne.	36	sw.	27	6	4	19	7.3	4.4	.0	0
Peoria [2]	609	7	26	1,000.0	1,023.4	+3.8	27.6	+2.7	59	18	37	-1	8	19	37	1,087	20	79	1.70	-.4	1.10	7	9.9	ne.	38	sw.	28	7	6	16	6.6	4.0	.0	1
Springfield, Ill. [4]	636	5	191	999.0	1,022.7	+3.7	29.0	+1.4	62	18	38	-4	9	20	35	1,047	22	79	1.53	-.9	.63	7	11.8	n.	48	s.	27	10	3	16	6.2	6.6	.0	0
St. Louis [4]	568	33	59	1,002.4	1,023.7	+4.1	34.8	.0	69	17	43	6	8	27	35	785	----	---	1.54	-1.1	.54	9	11.4	s.	37	s.	27	9	6	14	----	5.3	.0	0
MISSOURI VALLEY																																		
							26.6	+.2										81	1.36	+.1											6.9			
Columbia, Mo. [4]	784	6	66	992.9	1,022.0	+2.7	32.6	+.2	70	18	41	3	8	24	38	940	24	82	2.04	.0	1.10	9	7.9	n.	27	w.	27	9	5	15	6.1	4.3	.0	1
Kansas City [2]	963	38	76	985.8	1,022.0	+2.7	31.0	-.2	70	18	40	0	8	22	36	986	24	74	.94	-.6	.33	7	10.6	sw.	37	sw.	27	6	4	19	7.4	4.4	.0	1
St. Joseph [2]	967	5	51	985.8	1,022.4	+3.1	28.0	-1.6	67	17	38	-3	8	18	37	1,074	22	78	1.01	-.7	.41	7	8.5	n.	32	sw.	27	5	4	20	7.4	4.2	.0	0
Springfield, Mo. [2]	1,324	5	50	972.2	1,021.3	+2.3	34.4	+.4	74	18	43	6	9	26	33	893	28	82	1.87	-.6	.49	11	12.7	se.	46	sw.	27	7	4	18	6.9	6.4	.0	0
Topeka [4]	987	65	87	985.1	1,022.0	+3.0	30.2	-.8	71	17	38	0	8	22	32	1,008	24	84	1.42	-.1	.66	10	9.0	n.	31	sw.	27	6	3	20	7.4	4.6	.0	2
Lincoln [4]	1,189	6	81	977.3	1,022.0	+2.4	25.6	-.5	63	18	34	-6	8	17	36	1,145	20	84	2.46	+1.5	1.37	12	9.3	n.	39	nw.	28	4	6	19	7.4	14.4	T	0
Omaha [2]	1,105	5	68	980.7	1,022.7	+2.7	25.2	+.9	62	17	35	-10	12	16	40	1,154	18	78	1.92	+1.0	1.02	10	11.8	n.	43	n.	19	3	10	16	6.9	13.7	.0	0
Valentine	2,598	46	54	924.8	1,020.7	+.7	23.2	+1.8	67	18	35	-14	12	12	43	1,214	16	78	.26	-.3	.13	4	9.3	w.	32	nw.	27	8	10	11	6.1	7.6	2.8	0
Sioux City [2]	1,138	5	40	-------	1,022.4	+2.4	22.6	+2.2	59	17	33	-14	12	12	40	1,230	----	---	.97	+.2	.76	5	10.9	nw.	44	nw.	19	4	14	11	6.6	3.0	T	0
Huron [2]	1,301	5	41	972.6	1,022.7	+2.0	13.4	-.9	46	17	24	-23	8	3	39	1,496	10	91	.68	+.1	.42	9	11.6	se.	47	nw.	19	7	8	14	6.6	10.7	6.2	0
NORTHERN SLOPE																																		
							21.9	-.4										74	.64	0											6.9			
Billings [2]	3,570	16	39	890.3	1,018.6	-2.1	22.9	-1.3	63	17	33	-8	11	13	50	1,223	16	72	.35	----	.20	9	12.4	sw.	41	nw.	18	3	9	17	7.1	2.3	T	0
Havre	2,507	11	67	927.2	1,020.7	-.7	16.0	+2.4	51	18	28	-19	10	4	57	1,421	10	73	.47	.0	.18	10	9.7	sw.	34	sw.	18	3	12	14	7.1	5.4	.5	0
Helena [2]	4,124	5	43	872.3	1,020.7	+1.1	20.5	-1.1	58	17	31	-22	11	10	47	1,290	13	70	.22	-.2	.06	8	9.4	w.	49	sw.	17	3	9	17	7.1	4.0	.0	0
Missoula [2]	3,263	4	32	901.8	1,019.3	+.3	26.8	+3.0	56	17	34	-3	6	19	23	1,110	20	77	.97	+.2	.32	8	7.2	se.	34	w.	18	4	2	23	7.6	4.0	.0	0
Kalispell	2,973	48	56	911.3	1,018.3	-1.0	24.2	+.9	55	17	32	-6	6	16	27	1,185	17	72	1.27	+.1	.51	14	6.1	w.	28	w.	18	4	4	21	7.6	6.7	T	0
Miles City [2]	2,371	5	28	932.6	1,020.7	.0	17.0	------	63	18	30	-19	11	4	60	1,365	11	78	.74	------	.37	6	----	nw.	--	-------	--	4	5	20	7.2	3.9	.3	0
Rapid City [2]	3,259	5	56	900.8	1,019.6	-.7	21.2	-.6	67	17	33	-10	11	9	41	1,271	14	78	.53	.0	.25	7	13.6	nw.	56	nw.	23	4	9	16	7.0	5.7	.2	0
Cheyenne [2]	6,094	22	40	809.3	1,018.6	+.6	23.9	-3.4	60	26	35	-10	11	12	39	1,190	15	72	.74	+.1	.24	9	13.4	nw.	47	nw.	16	4	10	15	6.6	7.3	1.3	0
Lander [2]	5,352	6	30	832.4	1,019.3	-.3	20.0	-2.5	54	17	31	-18	12	9	43	1,305	11	69	.75	+.1	.49	7	5.5	se.	47	w.	16	9	11	9	5.4	7.8	.3	0
Sheridan [2]	3,790	5	38	883.2	1,019.6	.0	20.3	-2.3	61	18	32	-16	11	9	47	1,296	13	76	.68	.0	.21	11	7.6	nw.	39	nw.	23	5	10	14	6.8	9.8	T	0
North Platte [4]	2,821	11	51	916.7	1,019.0	-.6	28.0	+1.4	71	18	40	-5	11	16	47	1,072	18	72	.37	-.2	.11	10	7.8	n.	24	nw.	27	9	6	14	6.3	5.2	.9	0
MIDDLE SLOPE																																		
							31.8	-2.7										78	1.61	+.7											6.8			
Denver [4]	5,292	106	113	835.1	1,017.6	+.3	30.1	-2.6	65	17	41	-5	11	19	42	1,012	17	70	.45	-.1	.33	7	6.8	s.	26	ne.	23	6	10	13	6.4	7.4	T	0
Pueblo [1]	4,690	5	36	854.7	1,018.6	+2.0	26.8	-5.3	64	18	40	-18	12	14	62	1,105	19	76	.58	+.1	.20	12	7.4	nw.	39	w.	27	10	8	11	5.6	9.1	.0	0
Concordia	1,392	50	58	969.9	1,021.7	+1.7	28.1	-1.7	65	17	36	0	8	20	30	1,070	22	79	2.63	+1.7	2.07	11	9.1	ne.	30	nw.	27	8	4	17	6.7	7.2	.0	1
Dodge City [1]	2,509	5	58	928.5	1,019.3	.0	29.5	-3.7	69	18	39	-8	13	20	37	1,031	24	84	1.72	+.9	1.18	9	15.2	ne.	45	nw.	27	4	9	16	7.1	4.4	.0	3
Wichita [1]	1,358	6	64	970.2	1,020.7	+1.7	32.0	-2.4	69	17	40	3	8	24	29	955	25	78	1.19	-.1	.26	14	14.2	n.	44	ne.	19	6	6	17	7.3	6.1	.0	2
Oklahoma City [4]	1,214	10	47	975.3	1,019.6	+.6	38.3	-1.5	72	17	46	13	12	30	32	773	32	84	3.11	+2.0	.73	12	10.1	n.	28	s.	27	8	2	19	7.1	3.1	.0	3
Tulsa [1]	674	10	60	995.3	1,020.3	------	37.6	-1.5	75	17	46	14	9	29	42	795	30	77	1.59	+.1	.59	10	11.4	n.	47	n.	19	4	7	18	7.6	2.5	.0	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR FEBRUARY 1948—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.		Mt.								0-10	In.	In.	
SOUTHERN SLOPE							43.6	−1.6										73	1.23	+.5											6.9			
Abilene [2]	1,738	4	59	955.6	1,018.0	+.3	44.6	−1.4	81	18	56	14	11	34	44	583	36	77	1.13	+.1	.52	11	16.5	s.	46	se.	23	6	4	19	7.3	2.0	.0	3
Amarillo [2]	3,676	5	42	888.6	1,017.4	+.1	34.0	−2.1	75	18	46	0	13	22	38	895	28	80	1.83	+1.1	.65	9	14.5	s.	40	n.	11	6	6	17	7.0	8.6	.0	1
Del Rio	960	63	71	982.4	1,016.6	−.7	54.4	−1.6	83	28	64	24	12	44	38	327	44	72	.74	+.2	.21	13	9.8	se.	38	nw.	26	3	8	18	7.5	.0	.0	1
Roswell	3,614	6	29	890.6	1,015.6	−1.0	41.3	−1.4	75	22	56	10	11	27	52	686	26	64	1.22	+.6	.99	8	9.2	n.	51	w.	27	9	7	13	5.9	1.6	.0	0
SOUTHERN PLATEAU							46.2	−1.4										54	1.25	+.4											5.4			
El Paso [2]	3,778	35	85	885.2	1,013.5	−2.4	48.8	+.2	76	18	62	17	12	36	39	471	28	49	.63	+.2	.47	7	10.8	n.	47	sw.	27	12	5	12	5.4	.6	.0	0
Albuquerque [2]	4,972	5	45	835.8	1,014.6	−1.0	37.6	−2.9	66	22	49	−1	12	26	35	791	24	64	1.42	+1.1	.47	9	9.2	sw.	43	s.	23	9	9	11	5.3	6.1	.0	1
Flagstaff	6,907	34	48	787.3	1,017.3	+1.4	29.2	−1.6	60	21	42	−14	12	16	45	1,038	20	70	2.33	+.2	.59	11	----	w.	--	------	--	6	8	15	6.7	28.5	4.8	0
Phoenix [4]	1,107	39	87	976.0	1,015.9	−.4	53.8	−1.3	83	19	66	27	13	41	39	322	31	50	1.09	+.3	.64	6	6.4	e.	24	sw.	23	9	8	12	5.5	.0	.0	0
Tucson [2]	2,555	5	39	925.8	1,014.9	.0	50.8	−1.4	83	22	64	20	12	37	42	408	29	51	2.00	+1.0	.70	9	6.7	se.	26	sw.	23	10	8	11	5.5	.0	.0	0
Yuma	142	9	54	1,010.5	1,015.6	−1.0	57.1	−1.5	87	21	70	27	13	44	42	242	30	40	.02	−.4	.02	1	6.3	n.	26	nw.	10	11	16	2	4.2	.0	.0	0
MIDDLE PLATEAU							31.2	−1.9										64	.84	−.1											6.3			
Reno [2]	4,527	20	52	862.5	1,018.6	.0	32.5	−3.2	68	16	49	−2	7	16	50	943	20	59	.30	−.9	.12	4	8.1	s.	36	s.	4	7	9	13	6.2	3.4	T	0
Winnemucca	4,339	5	56	867.6	1,018.3	+1.3	32.1	−1.4	63	17	45	−3	12	19	40	956	20	58	.51	−.4	.25	7	8.7	sw.	30	sw.	9	7	10	12	6.0	4.8	.0	0
Modena	5,473	10	46	831.7	1,016.9	−.7	27.8	−3.2	57	18	40	−13	12	15	44	1,076	----	---	.95	.0	.43	7	9.9	sw.	34	sw.	2	9	6	14	6.0	11.4	.4	0
Salt Lake City [2]	4,357	32	58	866.2	1,017.3	−2.3	33.2	+1.1	58	16	43	3	12	24	31	920	23	65	.86	−.4	.38	6	9.7	se.	38	nw.	22	4	11	14	6.6	7.7	.0	1
Grand Junction [2]	4,602	5	26	858.8	1,019.0	+1.7	30.2	−2.7	54	19	41	−4	13	20	33	1,011	22	72	1.56	+1.0	.52	10	6.7	e.	28	sw.	27	5	10	14	6.6	18.4	T	1
NORTHERN PLATEAU							31.3	−.7										73	1.47	+.1											7.1			
Baker [4]	3,471	36	54	895.4	1,019.3	−1.0	29.6	.0	54	17	38	−2	12	20	31	1,046	21	73	1.28	.0	.48	12	6.3	se.	30	sw.	18	2	8	19	7.5	10.8	.0	0
Boise [2]	2,739	5	49	921.4	1,020.0	−1.0	32.0	−1.6	56	17	41	3	12	23	29	955	26	75	1.58	+.1	.72	11	11.1	se.	33	w.	22	5	6	18	6.9	12.0	.0	1
Pocatello [2]	4,478	5	31	862.2	1,019.0	−1.3	29.4	+2.5	59	17	39	−1	12	20	30	1,032	20	67	.73	−.5	.43	12	10.7	sw.	34	sw.	22	4	10	15	6.8	5.1	.0	0
Spokane [2]	1,929	6	51	947.5	1,018.3	−1.0	29.0	−2.3	54	17	36	0	12	22	28	1,048	22	76	2.75	+.9	.85	13	9.0	sw.	38	sw.	26	5	5	19	7.4	12.0	.0	0
Walla Walla	991	57	65	982.7	1,019.6	.0	37.2	+.1	68	17	45	12	7	30	27	808	----	---	1.62	−.2	.94	13	7.2	s.	34	w.	26	3	10	16	7.1	1.0	.0	0
Yakima [2]	1,076	4	54	978.7	1,018.6	−.4	31.2	−2.8	64	17	41	1	6	21	36	983	24	72	.86	.0	.35	9	----	w.	--	------	--	6	4	19	6.9	6.9	.0	0
NORTH PACIFIC COAST							41.2	−.9										78	6.73	+1.3											7.5			
North Head	211	5	55	1,010.2	1,018.0	+.7	41.4	−1.6	50	17	46	27	6	37	18	682	36	80	9.22	+1.6	2.26	20	17.8	nw.	69	s.	7	4	7	18	7.3	T	.0	0
Seattle [4]	125	90	321	1,013.2	1,018.0	+.4	41.9	−.9	58	17	47	28	11	37	16	673	34	76	6.04	+2.2	1.25	17	13.2	s.	47	sw.	14	4	5	20	7.5	.3	.0	0
Tacoma	194	172	201	1,010.5	1,017.6	−.4	40.6	.0	59	17	46	24	6	36	16	709	----	---	5.80	+1.0	1.27	17	11.7	s.	43	sw.	17	4	8	17	7.0	2.0	.0	0
Tatoosh Island	86	5	61	1,013.2	1,016.6	+.7	40.8	−.2	49	28	45	33	6	37	12	697	35	80	12.85	+3.1	2.49	17	19.0	e.	60	s.	17	7	3	19	7.2	T	.0	0
Medford [2]	1,329	29	58	972.6	1,021.7	+3.1	39.0	−3.3	66	25	49	18	3	29	38	756	31	74	2.05	.0	.69	13	----	n.	--	------	--	3	5	21	7.6	4.3	.0	0
Portland, Oreg. [4]	154	68	106	1,014.2	1,020.0	+1.7	42.4	+.3	65	17	48	27	3	37	18	655	34	77	6.42	+.9	1.09	19	6.7	s.	20	ne.	5	3	5	21	8.0	T	.0	0
Roseburg	510	45	76	1,002.4	1,021.3	+2.3	42.5	−.9	68	25	51	24	3	34	32	654	36	80	4.76	+.1	1.78	21	4.8	sw.	25	sw.	15	3	4	22	7.9	T	.0	0
MIDDLE PACIFIC COAST							47.9	−1.8										69	2.30	−2.1											5.8			
Eureka	60	72	88	1,020.3	1,022.7	+3.4	45.4	−1.8	62	16	52	31	3	39	23	571	39	78	5.20	−1.5	2.06	14	7.5	se.	31	n.	22	5	12	12	6.3	.0	.0	0
Red Bluff [2]	353	5	26	1,007.5	1,020.3	----	47.2	−2.2	70	24	57	27	3	37	31	518	32	59	.82	−3.2	.42	7	7.5	nw.	34	nw.	22	9	7	13	5.8	.5	.0	1
Sacramento [4]	66	92	115	1,017.6	1,020.3	+1.7	48.2	−1.9	69	26	58	28	3	38	30	488	35	66	.88	−2.2	.33	7	7.4	se.	31	nw.	23	10	5	14	5.4	.0	.0	0
San Francisco [4]	155	112	132	1,015.2	1,021.0	+2.4	50.8	−1.4	70	17	57	39	7	45	18	414	40	74	2.32	−1.6	.60	9	7.7	w.	26	w.	26	10	5	14	5.6	.0	.0	0
SOUTH PACIFIC COAST							52.6	−1.0										59	1.04	−1.2											5.3			
Fresno [2]	327	5	34	1,007.5	1,020.0	+.7	49.0	−1.3	74	25	62	28	11	36	39	463	34	58	.77	−.7	.33	6	5.1	nw.	33	nw.	10	8	8	13	6.0	.0	.0	0
Los Angeles	338	236	263	1,005.8	1,018.0	.0	54.6	−.9	82	17	64	37	3	45	26	308	36	56	1.29	−1.9	1.10	4	7.5	w.	35	nw.	23	10	9	10	5.1	.0	.0	1
San Diego [2]	87	20	55	1,015.2	1,018.3	+.3	54.2	−.9	78	16	63	37	13	45	32	315	42	64	1.07	−1.0	.80	6	6.8	nw.	26	sw.	5	10	11	8	4.9	.0	.0	0
WEST INDIES																																		
San Juan, P. R.	82	9	54	1,014.6	1,017.3	----	75.1	+.2	81	1	79	67	28	71	13	0	----	---	1.72	−1.0	.29	17	13.0	e.	34	ne.	25	5	21	3	5.4	.0	.0	1
PANAMA CANAL																																		
Balboa Heights [6]	118	6	97	------	1,010.5	----	81.0	+.7	92	25	90	67	22	72	23	0	70	77	.02	−.6	----	1	9.3	n.	25	n.	6	13	14	2	4.0	.0	.0	0
Cristobal [6]	23	37	92	------	1,011.8	----	80.8	+.3	85	4	83	73	22	78	10	0	71	76	.14	−1.4	----	6	15.1	ne.	28	ne.	15	8	16	5	5.7	.0	.0	0
ALASKA																																		
Anchorage [2]	132	6	44	1,012.5	1,017.6	----	12.2	−4.4	47	1	23	−15	17	1	33	1,531	6	67	.43	−.3	.17	8	6.1	n.	34	s.	1	16	4	9	4.3	8.1	8.4	0
Fairbanks [2]	454	5	63	1,005.8	1,024.4	----	−6.6	−5.4	30	2	7	−39	18	−20	42	2,073	−6	84	.50	.0	.21	5	4.2	nw.	31	sw.	2	14	7	8	4.5	6.8	16.9	0
Juneau [2]	80	6	30	1,016.6	1,017.3	----	21.8	−7.8	39	25	28	−8	16	15	25	1,254	12	66	1.14	−.9	.46	10	8.0	e.	34	se.	11	6	2	21	7.3	10.6	2.0	0
Nome	22	10	75	1,023.0	1,023.7	----	.6	−5.0	32	4	11	−24	24	−10	30	1,867	1	92	.56	−.2	.42	7	7.9	n.	50	s.	1	19	2	8	3.6	5.6	33.8	0
Annette Is.	113	5	53	1,010.5	1,014.9	----	30.5	−6.4	43	24	35	8	17	26	19	1,002	25	76	6.63	−.4	1.51	14	----	nw.	--	------	--	7	6	16	6.8	29.8	4.0	0
Barrow	29	5	27	1,025.4	1,025.7	----	−11.2	+5.2	25	1	−4	−43	29	−18	31	2,209	−12	94	.18	.0	.06	7	11.0	e.	41	------	1	9	9	11	5.7	2.9	22.3	0
Cordova [2]	45	5	32	1,011.9	1,013.9	----	22.6	−5.1	42	24	33	0	20	12	32	1,230	18	80	2.83	−2.4	1.47	10	----	e.	32	ne.	14	11	4	14	5.5	9.9	5.9	0
Galena	139	4	66	1,018.0	1,023.0	----	−6.8	−5.5	35	4	0	−43	15	−18	43	2,072	----	76	0.41	------	.16	7	----	n.	33	sw.	2	15	6	8	3.9	4.1	27.4	0
Gambell	32	5	32	1,023.0	1,024.0	----	6.8	+4.1	32	8	13	−10	24	1	22	1,688	6	94	.50	+.4	----	6	1.6	ne.	44	w.	1	9	8	12	5.0	5.0	19.3	----
Kotzebue [2]	20	5	31	1,024.7	1,025.4	----	−6.4	−2.6	30	1	1	−34	26	−14	28	2,075	−10	76	.17	−.1	.10	5	10.1	se.	54	se.	1	14	5	10	4.4	1.7	18.3	0
McGrath [2]	341	5	31	1,009.1	1,023.0	----	−5.2	−10.1	33	1	9	−46	18	−20	41	2,036	−6	69	.42	−1.0	.36	5	----	nw.	21	s.	1	17	2	10	3.9	5.2	29.1	0
Northway [2]	1,718	5	32	957.7	1,025.4	----	−12.0	−7.5	24	2	0	−49	15	−24	35	2,235	−10	80	.81	+.4	.29	11	2.8	se.	38	nw.	2	10	5	14	6.1	8.1	29.2	0
HAWAII																																		
Honolulu [4]	38	86	98	1,014.6	1,015.9	----	70.7	−.1	82	23	76	60	8	66	14	0	61	72	2.48	−1.4	1.41	14	8.0	ne.	35	ne.	20	7	15	7	5.3	.0	.3	2

[1] Height of barometer cistern above mean sea level on January 1, 1900, or when station was first established since January 1, 1900. When station is moved to new location or airport, the pressure is reduced to the original elevation for homogeneity. These elevations do not represent the present station elevation in most cases.

[2] Data are from airport records. Pressures adjusted to original elevations according to note [1].

[3] Barometric, hygrometric, wind, character of day, and average cloudiness data from airport records; remainder from city office records.

[4] Barometric and hygrometric data from airport records; remainder from city office records.

[5] Barometric, temperature, degree day, and hygrometric data from airport; remainder from city office records.

[6] Bihourly hygrometric data.

NOTE.—Unless otherwise indicated, data in table are city office records.