CLIMATOLOGICAL DATA FOR JANUARY 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	40.4	−6.1	2 stations	77	9	Valley Head	1	[1] 18	4.52	−0.33	Spring Hill	6.87	Falkville	2.69
Arizona	43.2	+1.3	Pisinemo	87	9	Alpine	−19	28	.16	−1.10	Burrus Ranch	1.12	51 stations	.00
Arkansas	33.5	−7.6	Stuttgart	77	9	Marianna	−7	18	3.32	−.93	Mena	7.69	Perryville	.43
California	47.8	+3.0	Mecca	92	22	Bridgeport Dam	−7	27	2.02	−2.59	Upper Mattole	17.33	72 stations	.00
Colorado	22.6	−1.3	Eversoll Ranch	76	7	Alamosa (airport)	−50	28	1.08	+.29	La Veta Pass	6.78	Kline (near)	.03
Florida	56.4	−2.7	Brooksville	89	27	Niceville	14	15	4.96	+2.15	St. Petersburg	10.39	Key West	1.12
Georgia	41.4	−5.6	Folkston	77	1	Blairsville	1	15	4.20	+.12	Savannah No. 2	6.03	Fitzgerald	2.79
Idaho	25.5	+1.5	Grand View	66	7	Island Park Dam	−37	[1] 27	1.88	−.24	Burke	6.87	Grand View	T
Illinois	22.5	−5.3	East St. Louis	66	8	Freeport	−17	17	1.68	−.60	Chester	4.70	Belvidere	.36
Indiana	22.2	−6.8	Scottsburg	64	1	Brookville	−19	28	2.36	−.60	Petersburg	3.98	Gary	.45
Iowa	17.6	−2.3	Creston	58	8	Oakland	−27	23	.45	−.57	Burlington	1.90	6 stations	T
Kansas	27.9	−2.2	Ashland	76	8	Burr Oak	−23	28	.59	−.11	Emmett	2.20	Ellis	.12
Kentucky	26.8	−8.9	Pikeville	72	1	Headquarters	−21	25	3.19	−1.15	Corbin	5.56	Murray	1.94
Louisiana	43.4	−8.0	Abbeville	80	10	Tallulah	−2	24	5.06	+.08	New Roads	8.65	New Orleans (airport)	2.71
Maryland-Delaware.	26.5	−6.7	Cheltenham, Md	64	9	Oakland, Md	−20	19	5.17	+1.81	Lewes, Del	9.30	Western Port, Md	2.45
Michigan	15.3	−5.6	Benton Harbor	45	9	Watersmeet	−46	18	1.68	−.27	Houghton	6.74	Rudyard	.16
Minnesota	6.0	−3.7	Tracy	47	7	Moose Lake	−47	17	.40	−.33	Grand Marais	1.78	Fairmont	.04
Mississippi	39.0	−8.1	Columbia	79	9	2 stations	−7	[1] 18	4.86	−.28	Biloxi	8.48	Stoneville	2.28
Missouri	25.7	−5.2	Ozark Beach	73	8	Maryville	−22	23	2.23	−.07	Annapolis	5.73	Joplin Airport	.25
Montana	23.7	+3.9	Yellowtail Dam	67	7	West Yellowstone	−48	27	1.08	+.17	Haugan	5.09	Lima	.02
Nebraska	23.7	+.3	Haigler	70	7	Ewing	−31	23	.32	−.21	Beaver City	1.13	3 stations	T
Nevada	35.0	+5.2	Lathrop Wells	77	24	Battle Mountain Airport.	−14	27	.25	−.91	Marlette Lake	2.54	28 stations	.00
New England	16.9	−5.4	Block Island, R. I	48	9	Lemington, Vt	−37	31	3.42	+.01	Plymouth, Mass	7.95	St. Albans, Vt	.91
New Jersey	24.1	−6.7	Millville Airport	52	9	Canoe Brook	−22	19	4.78	+1.15	Atlantic City	8.14	Layton	2.72
New Mexico	31.5	−1.9	Artesia	84	8	Eagle Nest	−43	28	.55	−.04	Levy	2.80	Hatchita	.00
New York	16.3	−6.6	South Wales	50	8	2 stations	−36	31	2.59	−.28	Bridgehampton	6.29	Massena	.47
North Carolina	35.4	−6.0	Whiteville	77	1	Mount Mitchell	−13	14	4.19	+.41	New Bern	6.45	Enka	1.69
North Dakota	9.3	+2.2	Golva	59	5	Willow City	−42	[1] 17	.40	−.07	Amidon	.99	Medina	.06
Ohio	21.0	−7.4	Chesapeake	65	1	New Lexington	−26	28	2.37	−.59	Chesapeake	4.39	Willoughby	.98
Oklahoma	32.6	−5.5	Woodward	77	9	Kenton	−19	28	.96	−.46	Idabel	6.66	Fort Supply Dam	T
Oregon	33.9	+2.1	Lake Creek	70	25	Austin	−9	26	4.06	+.30	Illahe	17.30	Richland	.29
Pennsylvania	20.1	−8.1	Waynesburg	57	1	Kane	−31	31	3.00	−.13	New Park	5.74	Jamestown	1.36
South Carolina	39.8	−6.1	Ridgeland	82	9	Caesars Head	0	15	3.66	+.08	Santuck	6.19	Walterboro	1.50
South Dakota	17.3	+.1	2 stations	64	7	3 stations	−35	[1] 23	.37	−.17	Dumont	2.64	4 stations	T
Tennessee	30.7	−8.3	Knoxville (Univ. of Tenn.).	73	1	Bolivar	−14	18	4.17	−.67	Linden	6.93	Paris	2.24
Texas	42.4	−5.8	Rio Grande City	92	1	Stratford	−10	28	2.81	+1.00	Anahuac	6.40	4 stations	T
Utah	26.7	+1.2	St. George	72	24	Scofield Dam	−38	27	.57	−.64	Alta	4.39	8 stations	.00
Virginia	29.9	−6.5	Columbia	70	9	Timberville	−14	25	3.35	+.08	Pinnacles	5.71	Copper Hill	1.47
Washington	31.6	+1.0	Point Grenville	65	29	Winthrop	−8	[1] 8	4.33	−.39	Wind River	17.56	Irene Mountain	.48
West Virginia	24.4	−8.2	2 stations	70	1	Mannington	−25	28	3.06	−.50	Creston	5.85	Beckley	1.43
Wisconsin	10.6	−4.7	Darlington	43	8	Mellen	−45	18	.55	−.68	Lac Vieux Desert	2.52	Galesville	.02
Wyoming	20.7	+.7	5 stations	65	7	Bondurant	−48	27	.81	+.03	Northeast Entrance	4.51	2 stations	T
Alaska (Dec.)	12.2	+6.8	Point Retreat	54	2	Fort Yukon	−40	27	2.71	+.22	Whittier	34.65	Savoonga	T
Hawaii	67.4	−1.2	Mahukona	86	21	Haleakala R. S	33	17	12.50	+5.35	Kukui	58.00	Pohakuloa	1.70
Hawaii (Dec.)	69.5	−.2	Mahukona	88	[1] 1	Haleakala R. S	31	14	9.20	+1.19	Kailua	41.00	Hualalei	.00
Puerto Rico	74.0	+1.1	Ponce	94	28	2 stations	50	[1] 8	3.00	−.31	Rio Blanco (1,800 feet)	11.62	Potala	.00

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JANUARY 1948

District and station	Elevation of instruments: Barometer above sea level[1]	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							20.6	−4.2										79	4.44	+0.9											6.5			
Eastport	75	67	82	1,012.5	1,015.6	+0.4	18.6	−1.8	40	9	26	−11	30	11	36	1,438	14	78	5.10	+1.2	1.37	16	13.0	nw.	38	e.	2	4	9	18	7.2	43.7	20.6	0
Portland, Maine [2]	103	6	43	1,013.2	1,016.9	−.4	15.6	−4.5	39	9	26	−21	24	5	42	1,531	10	80	2.39	−1.6	.74	11	8.8	n.	33	n.	2	10	6	15	6.1	30.5	20.4	0
Concord [2]	289	5	45	1,006.8	1,018.0	−.7	14.1	−4.9	38	9	26	−23	26	2	46	1,579	8	79	2.41	−.6	.61	12	7.3	nw.	31	nw.	30	9	6	16	6.3	32.6	17.5	0
Burlington [2]	403	6	51	1,003.1	1,018.6	+1.0	12.4	−6.4	35	9	23	−22	24	2	39	1,632	8	82	1.41	−.4	.31	14	9.3	s.	40	s.	12	6	9	16	6.9	18.3	11.6	0
Boston [2]	124	33	62	1,012.8	1,017.6	+.3	23.4	−4.5	45	9	30	−3	30	16	25	1,294	16	72	5.11	+1.5	1.11	14	12.9	nw.	41	ne.	2	8	2	21	6.9	32.5	17.2	0
Nantucket [2]	12	4	34	1,016.3	1,016.6	−.3	27.8	−3.5	48	21	34	5	30	21	30	1,154	24	83	7.15	+3.4	2.51	15	15.7	nw.	46	e.	2	7	5	19	7.1	15.3	2.7	0
Block Island	26	11	46	1,015.9	1,016.9	−.4	27.4	−3.6	48	9	34	7	31	21	25	1,165	22	82	5.56	+1.8	1.53	14	19.1	nw.	52	nw.	10	9	4	18	6.4	8.4	.2	0
Providence [3]	159	65	60	1,011.5	1,017.6	−.4	24.4	−2.8	45	9	32	−1	30	17	30	1,260	14	72	6.15	+2.4	1.45	12	8.7	n.	32	sw.	12	10	2	19	6.5	31.9	16.3	0
Hartford [2]	159	5	44	1,012.5	1,019.0	+.4	20.0	−5.5	45	9	30	−16	19	10	35	1,396	14	80	4.17	+.2	1.02	13	8.6	n.	32	nw.	10	9	7	15	6.0	27.6	28.0	0
New Haven [2]	107	5	39	1,014.6	1,018.6	.0	22.8	−4.6	46	9	31	−8	19	15	34	1,306	14	68	4.99	+1.3	1.43	14	7.6	n.	23	ne.	24	11	4	16	6.0	28.0	12.4	0
MIDDLE ATLANTIC							26.9	−5.0										73	4.37	+1.0											6.4			
Albany [2]	97	6	40	1,015.6	1,019.3	+.3	15.3	−4.8	38	9	25	−26	31	6	36	1,537	9	78	2.40	.0	.74	10	8.8	w.	35	w.	9	9	4	18	6.7	27.7	18.5	0
Binghamton [4]	871	57	79	986.1	1,019.3	+.7	18.1	−6.0	42	9	27	−20	31	10	37	1,455	10	80	2.69	+.2	1.09	14	6.0	w.	24	w.	10	6	8	17	7.0	24.9	10.8	0
New York [4]	314	415	454	1,007.5	1,019.6	+.6	25.9	−5.0	45	9	33	0	31	19	21	1,211	16	66	4.83	+1.2	1.53	13	15.2	nw.	49	nw.	10	9	7	15	6.1	15.1	8.6	0
Harrisburg [2]	374	30	49	1,006.1	1,020.7	+.4	23.6	−5.4	49	9	31	−4	29	17	35	1,282	16	74	2.75	−.3	1.65	12	8.3	nw.	33	nw.	10	9	7	15	6.2	17.0	3.0	0
Philadelphia [4]	114	174	150	1,015.2	1,020.0	.0	27.3	−5.3	50	9	33	6	31	22	19	1,169	20	78	5.42	+2.1	2.33	15	8.1	n.	23	n.	24	14	4	13	5.4	10.3	1.0	0
Reading	323	47	306	1,007.8	1,020.7	+.4	24.8	−6.3	47	9	32	2	31	18	29	1,250	----	---	4.13	+.6	1.77	16	10.5	nw.	34	nw.	10	10	6	15	6.2	18.9	6.3	0
Scranton	805	72	104	989.5	1,020.3	+.7	19.9	−6.7	43	9	27	−9	19	12	29	1,398	----	---	2.57	−.5	.81	10	6.8	n.	28	nw.	10	8	8	15	6.4	23.1	9.0	0
Atlantic City	52	37	172	1,017.3	1,019.3	−.3	29.4	−3.1	48	9	36	4	31	22	25	1,107	22	74	8.14	+4.6	2.76	17	16.0	w.	54	ne.	24	10	5	16	6.4	8.5	.6	0
Trenton	190	89	107	1,012.5	1,020.0	+.4	25.5	−5.0	47	9	32	2	31	19	23	1,225	----	---	4.56	+1.2	1.78	16	9.5	n.	28	nw.	10	12	4	15	5.7	12.3	1.5	0
Baltimore [4]	123	100	215	1,015.9	1,020.7	+.4	29.3	−4.5	58	9	35	7	31	23	24	1,104	18	68	5.83	+2.3	2.96	11	11.3	nw.	38	w.	7	10	7	14	6.1	8.9	1.7	0
Washington [4]	112	56	100	1,016.9	1,021.3	+1.0	29.2	−4.2	61	9	36	5	31	22	26	1,110	21	74	4.99	−1.4	1.71	11	8.0	n.	28	nw.	7	8	5	18	6.7	11.7	3.8	1
Cape Henry	18	8	54	1,019.0	1,019.6	−.4	35.7	−4.5	66	1	43	19	31	29	32	910	28	72	3.87	+.7	1.42	10	15.3	n.	56	e.	24	7	6	18	6.7	7.4	3.5	0
Lynchburg [3]	686	5	58	994.2	1,020.0	+.7	31.4	−3.9	64	9	40	7	15	23	30	1,042	20	68	4.30	+.9	2.13	13	8.4	s.	29	ne.	24	5	10	16	6.6	12.1	8.1	1
Norfolk [4]	91	80	125	1,016.9	1,020.3	−.4	36.0	−4.6	66	1	43	17	25	29	29	895	26	73	4.36	+1.3	1.63	12	10.2	n.	39	e.	24	6	8	17	6.8	8.7	3.8	0
Richmond [4]	144	11	52	1,014.6	1,019.6	−1.1	32.2	−5.7	64	9	40	5	25	24	34	1,013	21	72	4.69	+1.5	2.29	11	7.8	n.	25	w.	22	4	8	19	7.3	13.2	1.4	0
SOUTH ATLANTIC							40.3	−4.5										76	4.55	+1.0											5.8			
Asheville	2,253	77	92	----	----	----	32.4	−3.0	60	8	41	6	15	24	38	1,013	----	---	2.55	−.6	.92	12	9.5	nw.	42	ne.	24	5	10	16	6.5	7.7	.7	0
Charlotte [4]	779	63	86	991.5	1,020.3	−.7	37.0	−4.2	69	9	45	14	15	29	26	871	26	72	4.69	+.7	1.69	11	7.6	sw.	29	sw.	2	7	9	15	6.3	.6	.7	1
Greensboro [2]	886	6	56	987.8	1,020.7	.0	33.4	−4.5	68	1	43	7	25	23	34	979	24	74	3.95	+.4	1.18	9	8.6	sw.	35	ne.	24	9	6	16	6.2	3.9	2.4	0
Hatteras	11	5	47	1,019.0	1,019.3	−.7	41.8	−5.3	70	1	49	25	15	35	30	718	36	80	6.16	+1.7	1.84	13	15.4	n.	34	sw.	1	8	7	16	6.1	T	.0	1
Raleigh [4]	376	5	71	1,006.1	1,020.3	−.7	35.7	−5.4	72	1	44	13	15	27	29	911	26	77	4.70	+1.0	1.62	12	7.5	nw.	26	sw.	2	7	8	16	6.5	2.6	.8	0
Wilmington	72	73	107	1,019.3	1,020.7	+.6	41.1	−5.4	72	1	50	18	15	32	33	742	32	79	6.17	+2.9	1.42	14	9.7	n.	36	s.	1	13	5	13	5.3	T	.5	1
Charleston [4]	48	11	92	1,018.6	1,020.3	−2.3	44.6	−5.3	71	1	52	20	15	37	25	630	33	82	3.88	+.9	1.85	14	10.9	n.	29	ne.	24	14	6	11	5.0	.0	T	2
Columbia, S. C. [4]	347	70	91	1,007.8	1,020.7	−.6	41.0	−5.0	72	1	50	16	15	32	30	741	30	76	3.93	+.5	1.20	12	8.2	ne.	29	s.	1	12	6	13	5.6	T	T	0
Greenville, S. C. [2]	1,040	18	36	981.7	1,020.0	−.3	36.2	−4.1	68	9	44	11	15	28	28	896	26	72	3.76	−1.1	1.13	13	9.2	ne.	44	ne.	24	7	9	15	6.4	4.0	.2	0
Augusta [4]	182	62	77	1,013.9	1,020.7	−.3	42.2	−4.8	72	9	51	18	15	33	35	703	30	70	4.20	+.3	1.33	12	6.3	nw.	22	w.	2	11	7	13	5.5	.0	.0	0
Savannah [2]	65	19	51	1,018.3	1,020.7	−1.7	46.2	−3.6	72	9	56	19	15	36	33	584	36	78	4.49	+1.7	1.35	13	10.9	ne.	38	nw.	4	14	4	13	5.1	.0	.0	0
Jacksonville [4]	43	86	110	1,018.6	1,020.3	−1.0	52.0	−3.4	77	27	61	22	15	43	31	411	42	82	6.16	+3.4	2.27	12	8.8	ne.	28	nw.	14	12	6	13	5.4	.0	.0	3
FLORIDA PENINSULA							64.7	−1.3										84	4.23	+1.9											5.6			
Key West [4]	21	10	64	1,016.9	1,017.6	−1.7	69.4	−.1	83	1	75	48	15	64	20	31	62	84	1.12	−.8	.43	8	9.6	ne.	29	n.	14	9	11	11	5.4	.0	.0	2
Miami [4]	25	242	249	1,017.3	1,018.3	−1.7	66.4	−1.5	81	31	72	33	15	60	28	66	58	84	3.56	+1.3	2.16	13	13.6	nw.	38	nw.	14	7	14	10	5.8	.0	.0	0
Tampa [2]	35	5	36	1,018.0	1,019.3	−1.4	58.2	−2.2	78	27	68	27	15	48	34	220	50	85	8.02	+5.3	3.01	9	7.9	ne.	28	w.	24	10	10	11	5.6	T	.0	3
EAST GULF							42.2	−6.2										77	4.12	−.7											5.7			
Atlanta [2]	1,173	33	72	977.7	1,021.0	−.3	37.4	−5.1	66	9	46	11	15	28	31	856	28	72	3.47	−1.6	1.21	12	11.1	nw.	37	nw.	4	10	7	14	6.0	0.9	.0	1
Macon [4]	370	79	87	1,007.1	1,021.0	+.3	42.1	−4.7	72	9	52	16	15	32	37	709	30	68	4.48	+.3	1.23	13	6.8	n.	26	nw.	4	12	7	12	5.4	T	T	0
Apalachicola	35	11	51	1,019.0	1,020.3	+.7	49.6	−4.1	68	10	58	26	15	42	26	479	42	80	3.43	−.2	.94	10	8.8	nw.	27	se.	23	13	8	10	5.0	.0	.0	2
Pensacola [4]	56	54	79	1,019.3	1,021.3	.0	46.6	−5.9	69	1	56	19	18	37	27	571	37	78	4.63	+.6	.98	12	8.7	n.	26	w.	1	13	7	11	5.2	.0	.0	4
Anniston	618	6	32	1,002.4	1,022.4	+1.1	36.6	−8.0	68	1	48	11	15	25	38	881	29	80	3.82	−1.3	.83	14	----	ne.	--	------	--	9	7	15	6.4	1.7	.0	3
Birmingham [2]	700	5	63	996.3	1,022.4	+.4	36.8	−6.1	68	1	47	9	18	27	37	876	28	77	3.73	−1.8	1.06	13	8.8	n.	34	sw.	1	9	5	17	6.3	5.5	.0	2
Mobile [4]	57	86	161	1,019.6	1,021.7	+.4	45.5	−6.0	71	9	56	16	18	35	31	604	36	80	6.07	+1.2	1.80	13	9.3	n.	29	n.	13	13	5	13	5.5	.0	.0	3
Montgomery [4]	218	92	105	1,013.5	1,021.3	−.7	42.0	−6.2	72	9	52	14	18	32	33	717	32	78	3.97	−1.2	1.40	13	7.9	n.	27	w.	1	14	4	13	5.5	1.6	.0	1
Meridian [4]	375	67	92	1,008.5	1,022.4	+1.1	39.5	−7.5	73	9	49	11	18	30	35	794	30	77	3.93	−1.4	1.14	12	7.0	n.	26	w.	1	10	10	11	5.6	5.8	.0	2
Vicksburg [4]	247	82	102	1,013.5	1,023.0	+1.3	40.0	−8.2	73	8	49	11	18	31	33	778	28	78	2.91	−2.5	.88	14	9.6	n.	28	w.	1	8	9	14	6.4	7.5	T	2
New Orleans	53	76	84	1,020.0	1,022.0	+1.0	47.6	−6.6	75	9	56	21	24	39	32	542	38	76	4.92	+.6	1.13	14	7.9	ne.	23	ne.	13	14	4	13	5.5	0.0	.0	0
WEST GULF							43.2	−6.2										76	2.19	−.6											6.1			
Shreveport [2]	249	5	64	1,013.9	1,023.4	+2.1	39.1	−8.3	77	9	48	14	18	30	36	804	30	76	4.39	+.5	1.28	11	9.7	n.	34	w.	1	9	2	20	6.7	12.4	T	2
Fort Smith [2]	463	6	30	1,006.4	1,023.4	+2.4	33.4	−6.1	66	8	43	9	28	24	34	979	23	70	.79	−1.8	.40	6	7.5	ne.	30	w.	1	8	6	17	6.3	3.2	T	0
Little Rock [2]	357	26	58	1,010.5	1,024.0	+1.0	34.9	−6.5	62	9	43	10	24	27	33	929	25	68	1.56	−3.2	.53	10	8.7	n.	38	sw.	1	13	3	15	5.7	3.1	1.2	0
Austin [2]	605	5	41	1,000.0	1,022.4	+1.7	43.2	−6.3	78	22	54	18	28	32	46	681	34	74	.92	−1.2	.38	9	10.3	n.	38	n.	23	10	6	15	5.8	T	.0	0
Brownsville [2]	57	5	54	1,017.6	1,019.6	+1.0	55.0	−4.8	81	9	66	28	29	44	39	353	48	85	1.50	−.3	.64	7	10.4	nw.	31	n.	16	4	12	15	6.8	T	.0	1
Corpus Christi [2]	20	6	33	1,020.3	1,021.3	+1.3	51.4	−2.6	81	9	62	25	28	41	39	436	44	83	.86	------	.21	8	11.3	n.	35	n.	16	9	8	14	6.1	.0	.0	3
Dallas [2]	512	34	45	1,004.4	1,023.4	+2.4	38.8	−6.6	72	5	48	13	28	30	33	810	30	74	.82	−1.6	.22	9	9.7	ne.	34	nw.	1	11	3	17	5.8	5.4	T	0
Fort Worth [2]	679	40	56	998.3	1,023.4	+2.7	38.4	−6.0	73	8	47	11	28	30	35	826	29	74	.96	−1.1	.41	6	11.3	n.	35	nw.	1	11	6	14	5.6	7.9	T	0
Galveston [4]	54	122	129	1,020.0	1,022.0	+1.3	47.6	−6.2	72	12	54	22	24	41	33	540	43	85	3.43	.0	1.32	10	13.1	n.	34	ne.	23	10	4	17	6.2	T	.0	1
Houston [4]	138	157	190	1,016.6	1,022.4	+1.7	46.8	−5.9	80	9	55	22	24	38	32	574	39	81	4.03	+.3	1.07	12	10.7	n.	34	n.	23	9	8	14	6.1	T	.0	2
Palestine	510	64	72	1,004.4	1,023.0	+2.0	41.4	−6.8	71	8	49	17	24	33	30	731	32	71	3.90	+.5	1.54	11	8.1	n.	27	w.	1	9	5	17	6.4	3.9	----	0
Port Arthur [4]	34	59	134	1,020.7	1,021.7	+1.0	45.8	−8.0	75	9	54	17	24	38	34	595	38	82	4.76	+1.1	1.56	13	13.6	n.	36	ne.	19	9	7	15	6.1	1.4	.0	3
San Antonio [2]	693	6	51	996.3	1,021.3	+1.3	45.4	−6.9	79	22	57	19	24	34	46	607	34	70	.61	−.8	.23	7	9.6	n.	32	ne.	16	9	6	16	6.0	T	.0	2
OHIO VALLEY AND TENNESSEE							25.4	−7.0										77	2.94	−.9											7.2			
Chattanooga [2]	762	6	66	993.2	1,021.7	.0	33.8	−5.3	67	1	43	7	25	24	35	967	26	72	4.44	−.8	1.70	12	8.9	n.	32	sw.	1	4	9	18	7.0	4.9	T	2
Knoxville [5]	995	27	71	984.8	1,022.0	+.7	32.2	−5.5	70	1	41	2	25	24	32	1,014	24	72	3.57	−1.1	1.41	12	9.0	ne.	39	sw.	1	4	9	18	7.4	9.1	.8	0
Memphis [2]	399	5	49	1,008.1	1,023.4	+1.7	32.2	−7.5	66	8	41	3	18	23	32	1,015	24	74	2.67	−2.1	1.18	10	9.3	n.	34	sw.	1	10	6	15	6.0	15.1	2.2	1
Nashville [2]	546	5	72	1,002.0	1,022.7	+.7	29.4	−9.2	65	1	40	−2	25	19	36	1,101	22	74	5.59	+.8	2.93	12	9.7	n.	46	sw.	1	3	13	15	7.0	18.8	4.4	1
Lexington [2]	989	4	58	984.4	1,022.4	+2.1	23.4	−9.5	65	1	32	−3	18	15	37	1,288	18	80	2.58	−1.6	1.38	12	----	sw.	--	------	--	2	9	20	7.6	21.1	6.0	1
Louisville [2]	525	5	54	1,004.7	1,022.7	+1.4	25.5	−7.9	62	1	34	−6	26	16	35	1,226	18	74	2.54	−1.5	1.42	12	8.4	s.	35	sw.	1	6	5	20	7.6	9.0	3.5	1

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JANUARY 1948—Continued

District and station	Elevation of instruments: Barometer above sea level[1]	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station	Pressure: Sea level	Pressure: Departure from normal	Temperature of the air: Mean	Temperature: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Total degree days	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	Precipitation: Days with 0.01 inch or more	Wind: Average hourly velocity	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month	Number of days with thunderstorms
	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.	°F.	°F.	°F		°F	°F.		°F.	°F		°F.	%	In.	In.	In.		Mi.								0-10	In.	In.	
OHIO VALLEY AND TENNESSEE—Con.																																		
Evansville [2]	431	12	40	1,006.8	1,023.4	+1.7	25.4	−6.2	62	1	35	−4	28	16	36	1,230	19	80	2.02	−1.7	.48	10	9.0	nw.	37	sw.	1	4	3	24	7.8	4.6	1.0	1
Indianapolis [2]	823	5	54	990.2	1,021.7	+1.4	21.0	−6.3	54	8	30	−10	28	12	28	1,365	16	80	2.52	------	2.45	10	11.3	nw.	34	ne.	1	6	8	17	6.9	4.1	.6	1
Terre Haute [2]	575	4	36	1,001.0	1,023.0	+2.3	22.0	−6.7	55	8	31	−10	28	13	34	1,333	16	78	1.83	−.9	.09	6	10.6	nw.	35	ne.	1	4	10	17	7.1	3.0	.3	1
Cincinnati [4]	627	135	148	998.6	1,022.4	+1.4	26.0	−4.3	61	1	34	−1	26	18	29	1,210	16	79	2.72	−.8	1.82	12	5.4	nw.	19	nw.	4	2	11	18	7.3	10.5	5.5	0
Columbus [4]	822	90	110	990.5	1,021.7	+1.4	22.2	−6.4	58	1	30	−6	26	15	30	1,324	14	80	2.16	−.9	1.30	16	10.1	s.	28	s.	1	6	9	16	6.8	11.2	4.0	1
Dayton [2]	1,003	6	55	983.7	1,022.0	+2.0	20.2	−7.5	53	1	29	−10	28	12	27	1,391	14	80	2.32	−.9	1.65	13	12.0	nw.	36	w.	9	3	11	17	7.3	9.0	1.9	1
Elkins [2]	1,947	5	45	948.5	1,021.3	.0	21.7	−8.3	59	1	32	−14	19	11	50	1,343	16	82	3.46	−.3	.97	18	7.0	nw.	34	nw.	22	2	7	22	7.8	27.9	7.0	1
Parkersburg	637	77	84	997.6	1,022.0	+.7	24.4	−8.1	58	1	33	−10	28	16	35	1,257	18	79	3.58	.0	1.43	16	6.5	nw.	22	sw.	1	2	9	20	7.7	26.4	4.0	1
Pittsburgh [2]	842	39	54	988.8	1,020.7	+.7	21.7	−6.5	51	9	29	−2	31	14	27	1,343	14	74	2.04	−1.0	.87	17	10.6	s.	30	nw.	9	2	9	20	7.4	15.7	2.5	1
LOWER LAKE																																		
							18.7	−5.1										82	1.95	−.6										7.2				
Buffalo [2]	768	34	96	989.5	1,019.0	+1.0	18.6	−5.3	42	9	25	−8	24	12	26	1,443	14	84	1.99	−1.3	.93	21	14.7	w.	47	sw.	28	1	11	19	7.9	14.5	2.4	1
Canton	448	10	61	1,001.7	1,019.3	+1.7	11.5	−5.1	38	12	21	−28	31	2	37	1,661	8	89	1.33	−1.2	.61	15	8.5	w.	30	w.	28	5	8	18	7.2	16.5	13.0	0
Oswego	335	71	85	1,005.8	1,018.3	+.3	19.2	−4.4	40	12	26	−9	19	13	34	1,420	12	70	2.55	−.4	.57	22	10.9	se.	27	nw.	10	2	6	23	8.3	36.1	14.0	0
Rochester [2]	523	4	69	999.7	1,019.6	+1.0	18.4	−4.8	40	9	26	−5	23	11	23	1,442	14	88	2.37	−.5	.94	24	11.7	sw.	36	sw.	28	2	10	19	7.8	18.8	7.2	0
Syracuse [2]	596	5	57	997.0	1,020.0	+1.4	17.6	−5.2	42	9	26	−17	31	9	39	1,470	12	76	1.93	−.8	.65	17	10.6	sw.	36	w.	9	3	8	20	7.7	21.3	11.9	0
Erie [4]	714	57	81	992.9	1,020.3	+1.7	22.2	−4.6	48	9	28	−2	31	16	27	1,324	16	85	2.07	−.7	.77	14	9.0	w.	24	sw.	9	4	4	23	8.0	19.6	1.0	0
Cleveland [2]	762	27	54	991.5	1,021.0	+3.0	20.0	−4.7	49	9	28	−5	31	12	27	1,391	16	84	1.66	−.8	.60	11	11.3	s.	34	w.	9	2	11	18	7.5	12.0	3.2	0
Sandusky	629	5	67	997.0	1,021.3	+2.3	21.4	−4.9	50	9	28	−1	28	15	28	1,351	------	------	1.65	−.6	.89	7	10.5	w.	29	e.	1	8	11	12	5.9	7.9	2.6	0
Toledo [2]	628	5	47	996.6	1,021.0	+1.7	18.8	−5.7	41	8	27	−5	28	11	28	1,428	14	80	2.22	+.1	1.56	9	12.6	sw.	34	ne.	1	8	9	14	6.2	7.7	.6	1
Fort Wayne [2]	857	5	34	988.5	1,021.0	+1.4	18.3	−7.1	44	8	26	−7	28	10	31	1,449	14	82	2.23	−.1	1.41	10	9.4	s.	28	s.	15	8	6	17	6.4	11.4	.6	0
Detroit [2]	730	5	77	992.6	1,020.7	+1.7	19.6	−4.5	40	12	26	−5	23	13	25	1,408	14	80	1.39	−.7	.94	8	11.3	nw.	30	nw.	9	8	8	15	6.4	5.0	2.3	1
UPPER LAKE																																		
							13.9	−3.6										81	1.23	−.6										6.4				
Alpena	609	5	89	995.3	1,019.0	+1.4	16.2	−2.9	37	12	24	−14	23	8	28	1,509	12	83	.74	−1.2	.30	12	10.8	nw.	30	sw.	28	5	10	16	7.0	11.6	5.6	0
Escanaba	612	51	72	995.6	1,019.6	+1.6	12.2	−3.2	37	12	22	−17	18	3	32	1,640	7	78	1.29	−.2	.45	14	9.8	nw.	34	s.	11	12	9	10	5.0	14.8	11.7	0
Grand Rapids [4]	707	70	244	992.9	1,020.0	+1.4	19.9	−4.6	40	8	26	−5	24	14	27	1,395	14	86	1.24	−1.1	.69	11	11.9	s.	40	ne.	1	6	4	21	7.4	22.8	5.3	0
Lansing [4]	878	5	90	986.5	1,020.3	+2.0	16.8	−5.6	39	8	24	−12	23	9	28	1,499	12	80	1.52	−.3	1.04	12	8.7	sw.	22	sw.	15	7	3	21	7.0	9.9	4.1	0
Marquette	734	44	73	990.2	1,018.6	+1.3	14.0	−2.3	36	4	22	−9	18	6	27	1,579	9	81	1.83	−.5	.49	18	9.5	w.	35	s.	11	7	7	17	6.6	21.9	24.9	0
Sault Sainte Marie [2]	614	10	52	994.6	1,018.3	+.7	9.6	−2.5	33	12	20	−24	23	0	34	1,716	6	89	1.37	−.6	.33	20	10.2	e.	34	s.	11	5	6	20	7.3	22.1	21.8	0
Chicago [2]	673	5	38	995.6	1,021.7	+2.1	18.0	−4.3	41	8	26	−10	17	10	34	1,457	12	77	1.71	−.2	1.34	8	11.5	w.	40	ne.	1	9	5	17	6.4	9.9	.6	1
Green Bay	617	5	32	997.3	1,021.7	+3.4	11.0	−4.7	36	12	21	−20	17	1	33	1,674	4	68	.55	−1.0	.25	10	9.5	sw.	31	s.	11	11	6	14	5.5	5.7	2.2	0
Milwaukee [2]	681	33	66	994.6	1,021.0	+2.4	15.0	−4.4	37	8	24	−16	18	7	37	1,546	8	72	1.07	−.7	.88	7	14.5	nw.	43	s.	11	9	7	15	6.0	16.2	6.0	0
Duluth [4]	1,133	5	47	976.3	1,020.0	+1.7	6.6	−1.3	35	5	16	−22	23	−2	34	1,808	2	92	.96	.0	.34	10	12.2	nw.	42	nw.	15	13	6	12	5.3	12.7	10.2	0
NORTH DAKOTA																																		
							8.8	+4.2										86	.49	−.1										6.3				
Fargo [2]	940	5	47	984.8	1,022.0	+1.3	3.0	−.8	37	8	14	−34	23	−8	45	1,923	−1	85	.77	+.1	.58	11	13.5	s.	42	n.	15	9	5	17	5.9	7.3	14.8	0
Bismark [2]	1,677	5	41	957.3	1,021.3	+.6	11.3	+5.0	41	8	23	−26	27	−1	47	1,669	8	87	.30	−.2	.11	10	11.4	nw.	50	nw.	15	6	8	17	6.9	6.4	8.9	0
Devils Lake	1,478	11	44	963.4	1,020.7	+1.1	5.6	+3.8	35	8	17	−30	23	−6	53	1,838	1	84	.37	−.1	.22	7	9.6	nw.	33	n.	15	9	10	12	5.8	6.6	12.6	0
Williston	1,878	42	50	949.5	1,019.6	−.4	15.1	+8.7	47	2	26	−25	27	4	40	1,550	12	86	.52	.0	.29	12	7.3	w.	28	nw.	15	7	11	13	6.5	7.0	6.2	0
UPPER MISSISSIPPI																																		
							17.9	−2.7										78	.76	−.9										5.8				
Minneapolis-St. Paul [2]	919	43	74	985.8	1,021.3	+2.0	10.0	−2.7	38	11	20	−21	23	0	44	1,702	6	81	.15	−.7	.09	6	10.8	nw.	34	w.	15	10	10	11	5.4	3.5	5.0	0
La Crosse [2]	714	5	29	993.9	1,021.7	+2.1	11.0	−3.3	40	11	22	−21	17	0	36	1,674	6	81	.07	−1.0	.04	2	9.5	nw.	40	s.	11	11	6	14	5.6	.8	2.2	0
Madison [2]	974	27	39	984.1	1,021.7	+2.1	13.2	−3.5	39	8	24	−17	18	3	34	1,604	7	75	.49	−.9	.26	7	11.7	nw.	40	n.	1	9	9	13	5.8	4.9	3.7	0
Charles City	1,015	10	51	983.7	1,023.0	+2.7	13.9	+.2	44	11	23	−14	23	5	40	1,584	------	------	.14	−.9	.07	2	7.1	nw.	24	sw.	11	15	6	10	4.8	2.2	.8	0
Moline [2]	606	6	50	999.3	1,023.4	+2.7	17.5	−2.7	45	8	26	−6	28	9	35	1,471	12	78	.84	−.6	.85	6	11.2	nw.	35	w.	15	10	8	13	5.8	3.8	T	0
Des Moines [4]	860	5	99	------	1,023.4	+3.1	20.6	+.5	56	8	30	−8	23	11	38	1,414	------	------	.06	−1.0	.06	1	11.0	nw.	36	nw.	15	12	4	15	5.7	1.0	0	0
Dubuque	699	60	79	995.6	1,022.7	+2.7	16.1	−3.0	43	8	25	−10	16	7	35	1,514	9	72	1.15	−.2	.97	8	6.5	nw.	26	ne.	1	12	6	13	5.5	8.5	1.4	0
Burlington [2]	702	4	36	995.9	1,022.7	+2.0	18.6	−3.5	44	8	27	−6	28	11	31	1,437	14	82	1.90	+.2	.02	4	11.7	nw.	38	nw.	15	9	7	15	6.3	5.7	T	0
Cairo	357	5	99	1,009.8	1,023.4	+2.1	29.2	−5.7	62	8	37	3	28	22	36	1,109	------	------	1.55	−2.2	.58	10	9.4	ne.	38	sw.	1	6	8	17	6.9	5.0	2.6	0
Peoria [2]	609	7	26	999.3	1,022.4	+1.7	20.2	−1.9	49	8	28	−6	28	12	32	1,390	14	77	1.25	−.5	1.29	6	10.6	nw.	30	nw.	15	7	12	12	6.0	4.3	.0	1
Springfield, Ill. [4]	636	5	191	998.3	1,022.7	+2.4	22.4	−2.3	55	8	30	−7	28	14	33	1,317	15	72	.56	−1.5	.86	7	12.7	nw.	30	s.	11	7	11	13	6.2	2.1	.2	0
St. Louis [4]	568	33	59	1,001.4	1,023.0	+2.3	26.6	−4.5	65	8	34	1	28	19	27	1,187	15	72	.94	−1.4	.17	7	10.5	n.	34	s.	15	7	11	13	6.3	7.1	2.2	0
MISSOURI VALLEY																																		
							21.9	−1.6										78	.50	−.6										5.8				
Columbia, Mo. [4]	784	6	66	993.6	1,023.4	+2.7	25.0	−5.9	68	8	34	−9	28	16	33	1,241	16	77	1.15	−.8	.11	7	7.6	w.	28	w.	15	9	10	12	5.4	9.8	3.2	0
Kansas City [2]	963	38	76	995.6	1,024.0	+3.0	25.1	−3.1	57	8	34	−5	23	17	32	1,235	------	------	.53	−.7	.38	6	10.9	sw.	55	ne.	1	12	8	11	5.3	6.2	1.0	0
St. Joseph [2]	967	5	51	987.1	1,024.0	+3.3	22.6	−2.9	52	8	32	−10	23	13	34	1,302	14	74	.59	−.7	.75	6	8.2	nw.	35	ne.	1	16	5	10	4.7	5.3	2.5	0
Springfield, Mo. [2]	1,324	5	50	973.9	1,023.4	+2.4	26.8	−5.5	67	8	36	−4	28	17	28	1,185	20	75	.44	−1.9	.11	7	11.2	n.	29	w.	1	8	7	16	6.0	7.1	1.0	0
Topeka [4]	987	65	87	986.8	1,024.0	+3.0	25.5	−2.1	58	8	34	−5	23	16	31	1,224	18	78	.63	−.3	1.15	6	8.6	n.	29	n.	1	11	8	12	5.6	6.6	1.2	0
Lincoln [4]	1,189	6	81	978.3	1,023.4	+2.7	22.1	−.7	54	8	31	−18	23	13	34	1,332	15	80	.81	+.2	.51	6	9.5	s.	32	nw.	15	8	9	14	6.1	10.7	.8	0
Omaha [2]	1,105	5	68	981.7	1,023.7	+2.7	20.1	−.8	52	7	30	−17	23	10	38	1,393	14	78	.29	−.4	.17	5	11.7	n.	38	w.	15	5	15	11	6.0	7.5	.8	0
Valentine	2,598	46	54	926.2	1,022.0	+1.3	22.5	+3.6	56	7	36	−15	27	10	51	1,320	14	71	.15	−.3	.12	3	8.4	w.	32	nw.	15	8	11	12	5.9	.5	T	0
Sioux City [2]	1,138	5	40	981.0	1,023.4	+2.4	17.8	+1.5	47	11	28	−23	23	7	40	1,463	------	------	.11	−.6	.07	4	11.0	nw.	39	nw.	15	7	10	14	6.0	1.3	.6	0
Huron [2]	1,301	5	41	972.6	1,022.7	+1.4	11.7	+.4	41	7	23	−24	23	1	43	1,652	9	90	.28	−.3	.10	8	12.3	nw.	48	nw.	15	5	14	12	6.8	6.3	8.5	0
NORTHERN SLOPE																																		
							24.7	+5.0										72	.68	.0										6.4				
Billings [2]	3,570	16	39	892.7	1,020.7	+.7	28.9	+6.5	60	7	38	−11	26	20	27	1,119	18	64	.46	------	.12	7	14.1	sw.	44	nw.	3	7	9	15	6.6	3.3	T	0
Havre	2,507	11	67	927.9	1,019.6	−.4	27.4	+14.5	58	6	37	−6	27	17	36	1,166	18	70	.38	−.4	.15	6	10.3	sw.	32	nw.	3	6	11	14	6.5	4.6	T	0
Helena [2]	4,124	5	43	876.4	1,024.0	+3.0	25.1	+6.4	53	6	34	−12	27	16	36	1,235	18	72	.51	.0	.17	7	9.1	w.	42	sw.	3	7	6	18	6.7	5.2	.8	0
Missoula [2]	3,263	4	32	907.2	1,026.1	+1.4	22.2	+3.6	43	21	32	−2	27	13	30	1,327	18	86	1.32	+.5	.88	10	5.0	nw.	26	sw.	2	6	8	17	6.9	4.2	T	0
Kalispell	2,973	48	56	916.7	1,024.0	+3.3	25.2	+4.8	47	22	33	−1	26	18	24	1,236	19	72	.86	−.7	.64	6	5.0	w.	26	sw.	3	6	9	16	6.8	4.0	.1	0
Miles City [2]	2,371	5	28	934.0	1,021.7	+.4	22.2	------	50	7	34	−19	27	10	38	1,328	16	75	.42	------	.15	11	------	nw.	------	------	------	9	7	15	6.3	7.2	1.3	0
Rapid City [2]	3,259	5	56	902.5	1,021.0	.0	24.2	+4.2	63	7	37	−17	27	11	46	1,266	15	72	.37	−.1	.15	9	14.3	nw.	54	nw.	15	7	10	14	6.4	4.2	.3	0
Cheyenne [2]	6,094	22	40	812.1	1,022.0	+3.0	24.6	−.9	59	7	36	−20	27	13	41	1,259	15	67	.41	.0	.15	8	13.4	nw.	46	nw.	21	7	9	15	6.3	4.7	1.9	0
Lander [2]	5,352	6	30	836.4	1,024.0	+2.0	19.6	+1.3	55	7	31	−20	27	8	38	1,411	11	69	.93	+.4	.24	8	5.1	se.	41	w.	10	10	10	11	5.5	13.5	7.5	0
Sheridan [2]	3,790	5	38	885.5	1,021.7	+1.0	25.2	+5.9	64	7	38	−21	26	12	41	1,234	16	72	1.70	+.8	.88	12	9.2	nw.	56	nw.	21	5	11	15	6.6	16.8	4.6	0
North Platte [4]	2,821	11	51	919.1	1,022.4	+1.4	26.8	+3.9	62	7	39	−12	28	15	43	1,185	16	72	.08	−.3	.05	3	6.6	w.	24	n.	18	8	10	13	6.2	1.3	.0	0
MIDDLE SLOPE																																		
							29.1	−1.9										70	.80	.0										5.6				
Denver [4]	5,292	106	113	838.1	1,022.0	+3.4	30.0	+.2	65	7	41	−6	27	19	40	1,084	16	67	1.43	+1.0	.41	9	7.4	s.	34	nw.	22	11	8	12	5.5	19.2	4.9	0
Pueblo [2]	4,690	5	36	858.1	1,022.0	+3.4	27.4	−1.3	73	8	41	−29	28	13	54	1,168	20	78	1.45	+1.1	.44	10	7.2	nw.	40	nw.	21	9	10	12	5.8	20.0	3.8	0
Concordia	1,392	50	68	971.6	1,023.4	+2.1	26.0	−.4	57	11	35	−6	23	17	31	1,207	17	72	.31	−.3	.45	4	8.1	n.	24	w.	15	12	9	10	5.2	6.2	1.9	0
Dodge City [2]	2,509	5	58	931.6	1,023.0	+2.0	28.7	−.3	71	7	40	−11	28	17	42	1,126	19	72	.46	.0	.33	5	13.5	sw.	40	n.	22	10	8	13	5.6	8.3	5.4	0
Wichita [2]	1,358	52	64	972.9	1,023.4	+2.7	27.8	−3.5	60	8	37	−3	28	19	46	1,148	16	64	1.00	+.2	.68	6	12.7	n.	37	n.	1	10	9	12	5.8	12.0	3.0	0
Oklahoma City [4]	1,214	10	47	978.7	1,023.7	+3.0	32.5	−3.9	67	8	41	5	28	24	37	1,007	23	74	.56	−.6	.25	4	8.5	s.	20	n.	22	11	10	10	5.3	6.1	T	1
Tulsa [2]	674	10	60	998.6	1,024.0	------	31.3	−4.0	64	8	41	3	28	22	37	1,045	22	68	.38	−1.3	.20	3	10.2	n.	34	n.	22	9	8	14	6.0	5.7	T	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR JANUARY 1948—Continued

District and station	Elevation of instruments: Barometer above sea level [1]	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.	
SOUTHERN SLOPE																																		
							37.7	−4.2										66	.35	−.3											5.0			
Abilene [2]	1,738	4	59	959.0	1,021.7	+1.4	39.0	−4.1	74	5	49	11	28	28	33	803	26	66	.01	−1.0	.01	1	14.3	n.	40	n.	23	13	6	12	5.3	T	.0	0
Amarillo [2]	3,676	5	42	891.6	1,021.6	+2.3	31.1	−2.0	71	8	43	3	28	19	42	1,049	21	72	.63	+.1	.16	8	12.3	sw.	42	ne.	22	9	11	11	5.2	7.3	4.0	0
Del Rio	960	63	71	986.5	1,020.7	+1.4	47.2	−5.1	80	22	58	20	28	36	45	550	32	60	.08	−.5	.04	4	8.6	n.	27	nw.	16	11	10	10	5.1	T	.0	0
Roswell	3,614	6	29	894.3	1,021.3	+2.3	33.5	−5.7	79	8	49	−10	29	18	54	973	21	67	.68	+.2	.34	5	7.7	n.	40	nw.	22	17	4	10	4.3	6.4	.0	0
SOUTHERN PLATEAU																																		
							44.9	+1.6										49	.21	−.6											2.8			
El Paso [2]	3,778	35	85	888.6	1,018.6	+.3	40.6	−3.0	71	26	55	−6	29	26	42	758	24	54	.25	−.2	.25	1	8.7	n.	34	w.	24	23	4	4	2.7	2.4	.0	0
Albuquerque [2]	4,972	5	45	839.1	1,020.0	+1.0	33.7	−.4	62	8	46	5	28	22	29	970	22	64	.18	−.2	.11	3	8.7	se.	49	se.	27	18	8	5	3.5	3.0	T	0
Flagstaff	6,907	34	48	791.1	1,021.3	+3.7	33.2	+5.8	63	7	50	1	29	17	44	989	19	60	.82	−1.4	.67	2	----	nw.	--	------	--	17	9	5	3.7	15.1	1.2	0
Phoenix [4]	1,107	39	87	978.0	1,018.0	+.4	53.6	+2.4	81	9	69	27	29	38	36	357	28	44	T	−.8	T	0	5.6	e.	18	w.	26	20	8	3	3.0	.0	.0	0
Tucson [2]	2,555	5	39	927.5	1,016.9	−1.4	51.5	+2.4	81	9	67	25	28	36	44	417	26	40	T	−.9	T	0	6.6	se.	33	ne.	28	21	9	1	2.5	.0	.0	0
Yuma	142	9	54	1,012.5	1,017.6	−.7	56.8	+2.4	83	8	71	26	29	43	42	262	25	30	.00	−.4	.00	0	6.3	n.	26	nw.	19	25	5	1	1.7	.0	.0	0
MIDDLE PLATEAU																																		
							31.1	+3.5										65	.23	−.7											4.6			
Reno [2]	4,527	20	52	866.9	1,023.7	+2.4	36.0	+5.1	68	23	56	5	26	16	55	902	19	54	.01	−1.5	.01	1	6.1	s.	40	e.	2	16	9	6	3.9	T	.0	0
Winnemucca	4,339	5	56	872.7	1,023.7	+1.0	34.4	+5.8	61	23	49	5	27	20	41	949	21	60	.29	−.7	.17	4	7.5	ne.	26	sw.	2	13	10	8	4.7	.1	.0	0
Modena	5,473	10	46	836.1	1,022.0	+1.3	29.4	+2.7	57	23	43	−2	28	16	37	1,104	----	---	T	−.8	T	0	7.8	w.	27	ne.	18	17	11	3	3.3	.1	.0	0
Salt Lake City [2]	4,357	32	58	872.0	1,025.1	+2.7	30.1	+2.6	55	7	39	4	19	21	28	1,084	23	75	.34	−.6	.19	5	6.8	se.	25	s.	7	10	6	15	5.7	3.7	.0	0
Grand Junction [2]	4,602	5	26	864.2	1,026.4	+5.4	25.4	+1.4	48	9	36	−11	28	15	29	1,227	18	72	.50	−.1	.35	4	5.4	e.	20	ne.	18	11	7	13	5.3	5.6	1.6	0
NORTHERN PLATEAU																																		
							30.4	+3.3										76	1.48	−.1											6.3			
Baker [4]	3,471	36	54	901.5	1,026.1	+3.4	29.6	+4.7	55	6	39	9	13	20	28	1,096	21	74	.76	−.6	.28	10	6.2	se.	25	sw.	6	9	6	16	6.1	6.1	.0	0
Boise [2]	2,739	5	49	926.9	1,026.1	+2.4	33.0	+5.1	58	7	42	12	28	24	26	993	26	74	.81	−.9	.33	5	9.2	se.	27	e.	5	10	6	15	5.8	.5	.0	0
Pocatello [2]	4,478	5	31	867.9	1,026.8	+3.8	26.3	+4.0	55	7	36	−5	27	16	33	1,197	19	74	.80	−.5	.38	7	9.1	sw.	36	n.	25	7	8	16	6.4	.9	.0	0
Spokane [2]	1,929	6	51	953.6	1,025.1	+4.1	27.5	0.0	40	8	34	11	31	22	22	1,162	23	80	2.72	+.6	1.03	11	6.3	sw.	31	sw.	2	7	7	17	6.6	8.5	1.0	0
Walla Walla	991	57	65	988.8	1,026.1	+3.4	34.9	+2.2	57	1	40	19	28	30	26	931	----	---	2.25	+.3	1.42	10	5.5	s.	28	sw.	2	6	10	15	6.7	2.7	.0	0
Yakima [2]	1,076	4	54	985.4	1,026.1	+5.1	31.2	+3.8	60	23	41	11	28	22	36	1,049	24	78	1.52	+.6	1.19	5	----	w.	--	------	--	11	4	16	6.0	2.3	.0	0
NORTH PACIFIC COAST																																		
							40.9	+.7										81	5.71	−.9											7.1			
North Head	211	5	55	1,014.6	1,022.7	+5.1	43.7	+1.6	57	18	49	33	31	39	21	661	36	74	5.21	−3.6	.98	16	12.3	se.	63	s.	1	6	10	15	6.3	T	.0	1
Seattle [4]	125	90	321	1,018.6	1,023.4	+5.1	41.4	+.6	53	28	46	30	28	37	23	731	34	81	3.97	−1.0	.80	15	8.2	se.	34	sw.	7	5	5	21	7.4	T	T	0
Tacoma	194	172	201	1,015.9	1,023.4	+4.8	39.4	+.6	52	7	44	28	28	35	21	794	----	---	4.79	−1.4	1.14	16	8.4	s.	34	s.	1	5	7	19	7.2	2.3	.5	0
Tatoosh Island	86	5	61	1,018.3	1,021.7	+5.8	42.7	+1.5	50	7	46	37	11	40	9	689	38	83	7.93	−3.9	2.00	18	20.2	e.	61	s.	1	6	10	15	6.6	T	.0	2
Medford [2]	1,329	29	58	975.3	1,024.7	+4.4	37.4	−.5	58	6	47	20	29	28	31	853	32	80	4.80	+2.5	1.54	8	----	s.	--	------	--	4	6	21	7.5	T	.0	0
Portland, Oreg. [4]	154	68	106	1,018.3	1,024.0	+4.7	41.6	+2.2	54	7	47	28	19	36	18	725	34	80	6.72	+.1	2.64	12	5.7	nw.	26	s.	1	7	7	17	6.7	T	.0	1
Roseburg	510	45	76	1,005.1	1,024.0	+4.0	40.0	−1.2	60	6	46	23	27	34	30	775	36	87	6.59	+1.3	2.32	11	3.6	nw.	23	sw.	2	2	4	25	8.2	.0	.0	0
MIDDLE PACIFIC COAST																																		
							50.6	+3.5										70	2.88	−2.2											4.8			
Eureka	60	72	88	1,020.3	1,022.7	+2.4	47.4	+.5	66	13	55	33	18	40	28	545	42	80	8.23	+1.1	2.70	11	5.4	se.	25	s.	4	9	5	17	6.2	0	0	0
Red Bluff	353	5	26	1,008.5	1,021.3	-----	50.4	+4.6	79	23	62	26	29	38	36	454	34	56	1.78	−3.0	.86	6	8.0	nw.	35	se.	7	13	9	9	4.8	.0	.0	0
Sacramento [4]	66	92	115	1,018.6	1,021.0	+.7	49.8	+4.0	69	23	61	30	28	39	35	468	38	70	.51	−3.2	.28	4	5.8	n.	29	nw.	25	19	4	8	3.5	.0	.0	0
San Francisco [4]	155	112	132	1,015.2	1,021.0	+1.0	54.7	+4.8	75	23	62	42	28	48	26	312	42	74	1.00	−3.5	.39	5	5.2	e.	18	w.	31	13	7	11	4.7	.0	.0	0
SOUTH PACIFIC COAST																																		
							55.2	+3.8										61	T	−2.3											3.5			
Fresno [2]	327	5	34	1,008.5	1,021.0	.0	51.2	+5.7	73	24	66	29	30	36	39	428	36	60	T	−1.7	T	0	3.4	se.	16	nw.	25	17	7	7	3.8	.0	.0	0
Los Angeles	338	236	263	1,006.4	1,018.6	.0	58.6	+4.0	83	10	69	39	28	48	29	219	38	56	T	−3.1	T	0	5.8	ne.	17	e.	25	21	6	4	2.9	.0	.0	0
San Diego [2]	87	20	55	1,015.2	1,018.3	.0	55.7	+1.7	80	16	67	36	28	45	35	294	42	68	T	−2.1	T	0	5.0	n.	17	s.	25	17	10	4	3.7	.0	.0	0
PANAMA CANAL																																		
Balboa Heights [6]	118	6	97	-------	1,010.0	-----	80.4	+.5	91	31	88	69	24	72	20	0	72	81	1.26	+.2	----	6	7.7	nw.	21	nw.	14	18	10	3	4.2	.0	.0	0
Cristobal [6]	23	37	92	-------	1,010.6	-----	80.3	−.2	87	23	84	72	24	77	13	0	73	79	.83	−2.4	----	13	13.0	n.	26	n.	15	7	14	10	5.8	.0	.0	0
ALASKA																																		
Anchorage [2]	132	6	44	997.0	1,002.0	-----	18.0	+6.4	48	15	25	−8	10	11	31	1,460	16	84	1.04	+.2	.25	15	6.1	n.	31	se.	15	2	7	22	8.0	14.9	9.8	0
Fairbanks [2]	454	5	63	989.8	1,008.1	-----	−4.4	+6.9	39	26	5	−36	10	−13	48	2,149	−4	94	.47	−.5	.32	8	4.0	nw.	27	s.	26	5	5	21	7.4	8.6	14.6	0
Juneau [2]	80	6	30	1,009.5	1,010.2	-----	32.6	+3.2	43	18	36	14	10	29	16	1,001	29	84	6.77	+1.8	2.74	22	9.4	e.	45	se.	1	1	1	29	9.0	9.0	.5	8
Nome [2]	22	10	75	1,004.7	1,005.4	-----	1.9	−1.5	33	20	10	−30	7	−6	40	1,953	0	94	1.39	+.3	.30	12	14.1	e.	54	s.	31	9	7	15	6.0	14.2	28.2	0
Annette Island	113	5	53	1,009.5	1,013.9	-----	36.8	+.5	46	20	41	26	4	32	12	876	34	88	14.22	+3.3	2.84	25	----	se.	--	------	--	1	3	27	8.6	12.4	0	0
Barrow	29	12	31	1,014.2	1,014.9	-----	−17.8	−1.2	23	26	−10	−37	14	−26	49	2,570	−20	88	.38	+.2	.22	7	10.4	e.	38	w.	18	14	7	10	4.8	5.0	19.4	0
Bethel	38	5	31	1,001.4	1,003.1	-----	4.6	−2.3	39	19	11	−36	3	−2	27	1,873	4	86	.59	−.3	.08	16	----	ne.	38	se.	31	10	5	16	5.8	5.6	6.3	0
Cordova	48	5	32	1,000.7	1,002.7	-----	30.0	+3.1	44	17	37	0	10	23	37	1,087	29	92	12.19	+3.5	2.66	27	----	e.	55	e.	1	3	0	28	8.5	21.3	1.5	0
Galena	139	4	66	1,001.0	1,006.1	-----	−6.4	------	30	17	2	−51	8	−15	42	2,213	----	---	.77	------	.25	13	----	n.	48	e.	31	7	7	17	6.6	9.2	23.2	----
Gambell	32	5	32	1,006.1	1,007.1	-----	−1.0	−3.4	32	31	4	−18	26	−6	36	2,048	−2	94	.66	−.1	.22	12	20.1	ne.	51	n.	20	2	11	18	7.5	6.5	15.4	0
Kotzebue	16	4	31	1,007.5	1,008.1	-----	−6.4	−1.8	30	22	2	−36	11	−14	38	2,215	−13	70	.53	.0	.14	10	14.5	e.	53	e.	31	11	8	12	5.4	5.4	16.2	0
McGrath	338	4	28	992.6	1,006.1	-----	−4.1	+3.0	33	22	7	−45	4	−15	45	2,142	−2	86	1.82	+.8	.73	13	----	nw.	25	n.	8	2	6	23	8.0	24.6	31.0	0
Northway	1,721	4	31	994.1	1,010.5	-----	−8.6	+5.8	25	18	−1	−35	5	−16	27	2,280	−10	83	.49	+.1	.13	9	3.2	nw.	27	nw.	18	2	2	27	8.5	4.9	21.9	0
HAWAII																																		
Honolulu [4]	38	86	100	1,013.5	1,014.9	-----	70.1	−0.8	80	19	75	60	24	66	14	1	61	74	8.42	+4.6	2.21	17	8.7	ne.	37	ne.	24	8	10	13	6.2	.0	.0	1

[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.