CLIMATOLOGICAL DATA FOR DECEMBER 1947

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS

[For description of tables and charts, see REVIEW, January 1943, p. 15]

In the following table are given for the various sections of the climatological service of the Weather Bureau the monthly average temperature and total rainfall; the stations reporting the highest and lowest temperatures, with dates of occurrence; the stations reporting the greatest and least total precipitation; and other data as indicated by the several headings.

The mean temperature for each section, the highest and lowest temperatures, the average precipitation, and the greatest and least monthly amounts are found by using all trustworthy records available.

The mean departures from normal temperatures and precipitation are based only on records from stations that have 10 or more years of observations. Of course, the number of such records is smaller than the total number of stations.

Section	Temperature								Precipitation					
	Section average	Departure from the normal	Monthly extremes						Section average	Departure from the normal	Greatest monthly		Least monthly	
			Station	Highest	Date	Station	Lowest	Date			Station	Amount	Station	Amount
	°F.	°F.		°F.			°F.		In.	In.		In.		In.
Alabama	49.1	+1.4	2 stations	80	5	Valley Head	14	17	4.77	−0.51	Tibbie	12.07	Bridgeport	2.00
Arizona	40.1	−2.7	Ehrenberg	86	27	Fort Valley	−20	11	1.26	−.02	Crown King	4.41	Parker	.00
Arkansas	44.2	+1.4	Okay	78	28	Gilbert	10	25	4.22	−.01	Mt. Ida	8.52	Bentonville	.94
California	43.9	−1.9	Blythe	99	26	Ellery Lake	−14	[1] 8	1.50	−2.38	Upper Mattole	6.80	Indio	.00
Colorado	25.5	−.4	2 stations	73	27	Sunbeam	−31	31	.89	+.01	Wolf Creek Pass	5.32	Del Monte	.03
Florida	62.0	+2.1	do	88	[1] 6	Niceville	28	1	2.80	+.03	Lake City	6.93	Cedar Key	T
Georgia	48.0	+.3	Waycross	83	7	La Fayette	13	14	5.30	+1.01	Tifton	8.66	Cartersville No. 2	2.26
Idaho	28.3	+1.7	Oakley	61	27	Gray Lake	−22	31	1.46	−.60	Orofino	6.40	Grand View	.01
Illinois	33.8	+2.7	3 stations	67	29	Galva	5	[1] 9	2.13	+.03	Carbondale	5.31	2 stations	.66
Indiana	32.6	+.4	2 stations	65	[1] 4	Salamonia	0	24	1.66	−1.05	Kentland	2.71	Petersburg	.46
Iowa	26.8	+2.2	Creston	65	2	2 stations	−13	9	1.46	+.36	Keokuk	2.67	Lake Park	.35
Kansas	34.3	+1.2	Ashland	74	2	Burr Oak	−6	11	2.08	+1.17	Ottawa	4.70	Pittsburg	.23
Kentucky	37.8	+.1	Pikesville	73	5	Headquarters	8	25	1.77	−1.99	Lovelaceville	3.14	Grant	.91
Louisiana	52.6	+.1	New Roads	82	7	Plain Dealing	20	26	6.64	+1.30	Morgan City	12.07	Ruston	3.73
Maryland-Delaware	34.3	−1.0	Cheltenham, Md	66	3	Oakland, Md	1	[1] 1	1.64	−1.50	La Plata, Md	3.95	Tonoloway, Md	.38
Michigan	25.5	−.1	2 stations	57	8	Cadillac	−17	19	1.71	−.33	Houghton	4.02	Channing	.51
Minnesota	14.1	−1.7	Grand Marais	45	15	Warroad	−33	31	.55	−.20	Pigeon River Bridge	2.08	Little Falls	T
Mississippi	48.6	+.3	2 stations	80	[1] 7	2 stations	19	[1] 1	4.56	−.72	Hattiesburg	11.89	Kosousko	2.26
Missouri	37.7	+3.5	do	73	[1] 8	Black (near)	7	16	1.84	−.33	Alton (near)	6.12	Waynesville	.18
Montana	26.1	+2.6	do	64	26	2 stations	−23	31	.67	−.28	Heron	3.04	Roundup	.02
Nebraska	28.6	+1.5	3 stations	66	[1] 27	Scottsbluff	−13	31	.87	+.19	Falls City	2.45	Newport	.18
Nevada	31.7	+.2	Overton	71	[1] 27	Ely	−14	31	.79	−.19	Pioche	4.68	4 stations	T
New England	23.2	−3.1	Greenville, R. I.	64	3	Wilder, Vt.	−20	[1] 25	2.52	−.81	Blue Hill, Mass.	5.30	Bethlehem, N. H.	.55
New Jersey	32.0	−1.6	Chatsworth	65	3	Layton	−4	25	2.85	−.68	Long Branch	5.29	Millville Airport	1.39
New Mexico	32.5	−1.7	Artesia	74	28	2 stations	−24	[1] 11	.91	+.20	Holy Ghost Canyon	2.67	Hachita	.00
New York	24.2	−2.4	Elmira	64	3	Wanakena	−23	20	2.39	−.54	Bedford Hills	5.64	Angelica	.85
North Carolina	41.7	−.8	2 stations	77	[1] 4	Hot Springs	0	1	2.19	−1.60	Wilmington	5.50	Patterson	.46
North Dakota	14.2	+.8	do	54	26	Willow City	−36	31	.42	−.05	Grafton	1.63	Hettinger	.13
Ohio	31.6	.0	do	64	[1] 3	4 stations	0	[1] 24	1.61	−1.07	Geneva	2.56	Mount Healthy	.85
Oklahoma	41.5	+1.4	Stillwater	78	28	Kenton	1	[1] 10	2.43	+.71	Valliant	10.30	Miami	.25
Oregon	34.8	+1.1	Lake Creek	77	27	Danner	−20	11	2.55	−1.29	Tidewater	13.91	Paisley	.09
Pennsylvania	29.6	−1.6	Phoenixville	66	2	2 stations	−5	30	1.51	−1.54	Kregar	3.51	Burnt Cabins	.59
South Carolina	46.0	−.6	2 stations	79	[1] 8	Walhalla	15	[1] 1	4.56	+.95	Ridgeland	8.89	Landrum	1.97
South Dakota	23.3	+1.2	Vale	68	25	Sisseton	−18	9	.17	−.34	Wagner	1.07	Wood	.00
Tennessee	41.1	+.4	Kenton	75	3	Rugby	10	1	2.55	−1.95	Monteagle	3.84	Greeneville	.97
Texas	50.0	+1.1	2 stations	89	[1] 7	Stratford	8	14	2.76	+.44	Gilmer	9.05	Van Horn	.22
Utah	26.8	−.5	Kanob	62	26	Woodruff	−20	31	1.44	+.31	Alta	4.93	Laketown	.11
Virginia	36.9	−1.1	Columbia	71	3	Mountain Lake	6	1	1.25	−1.78	Wallaceton (near)	2.77	Gordonsville	.30
Washington	35.3	+2.0	Port Townsend	67	[1] 2	Quincy (near)	1	11	4.99	−.69	Spruce	26.17	White Swan	.18
West Virginia	33.9	−.7	Williamson	73	5	Mannington	−4	29	1.36	−1.87	Brandonville	2.82	Omps	.20
Wisconsin	21.1	+.5	Kenosha	55	7	Hatfield	−34	9	1.00	−.29	Platteville	1.90	Grantsburg	.10
Wyoming	24.4	+2.1	4 stations	65	27	Bondurant	−29	31	.51	−.20	Snake River	2.82	Rochelle	.00
Alaska (Nov.)	18.8	+4.6	2 stations	59	[1] 1	Allakaket	−34	16	3.22	+.48	Whittier	36.85	Wainwright	.09
Hawaii (Nov.)	72.3	+.7	Waianae	92	1	Haleakala Ranger Station.	39	[1] 6	7.17	−.49	Waiawa	29.88	2 stations	.00
Puerto Rico	74.5	+.3	Ponce	96	[1] 3	Cayey	51	29	3.59	+.20	Rio Piedras	10.76	Coamo Dam	.06

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR DECEMBER 1947

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							26.2	−2.4										74	2.73	−0.7											5.3			
Eastport	75	67	82	1,008.5	1,011.5	−3.4	23.9	−2.4	49	16	30	4	30	18	29	1,275	17	73	2.93	−.8	1.10	9	13.5	nw.	34	se.	16	9	7	15	6.1	26.0	9.3	0
Greenville, Maine	1,069	4	41	972.6	1,013.9	−1.3	14.5	−4.3	43	16	23	−12	23	6	37	1,570	11	88	1.41	−1.7	.58	11	----	n.	--	------	--	4	12	15	----	11.0	16.0	0
Portland, Maine [2]	103	6	43	1,010.2	1,013.9	−3.0	22.8	−2.2	53	16	32	−3	14	13	33	1,308	16	79	1.96	−2.0	.79	10	8.9	w.	34	n.	26	13	11	7	4.7	18.9	6.0	0
Concord [2]	289	5	45	1,004.1	1,014.9	−1.7	21.4	−2.6	50	16	32	−12	25	11	40	1,351	14	74	2.10	−1.0	.71	11	8.2	nw.	32	nw.	30	11	9	11	5.2	22.5	8.1	0
Burlington [2]	403	6	51	1,001.0	1,016.6	−1.0	19.1	−5.3	45	16	26	−7	30	12	30	1,424	14	82	1.12	−.8	.21	14	9.3	nw.	33	sw.	18	2	10	19	7.3	14.2	3.4	0
Boston [2]	124	33	62	1,010.3	1,015.0	−1.9	30.4	−2.1	60	3	38	12	14	23	31	1,073	18	64	3.95	+.5	1.38	11	13.3	nw.	43	ne.	26	16	6	9	4.7	26.8	8.3	0
Nantucket [2]	12	4	34	1,014.2	1,014.6	−2.0	32.8	−3.0	54	3	40	17	22	26	25	1,000	24	74	2.87	−.9	1.27	8	15.4	nw.	44	nw.	24	12	8	11	5.4	1.0	.0	0
Block Island	26	11	46	1,013.9	1,014.9	−2.0	34.2	−1.8	57	16	40	17	30	28	26	953	28	77	3.04	−.8	1.27	11	20.5	nw.	55	nw.	9	12	13	6	4.7	5.4	.0	1
Providence [3]	159	65	60	1,009.5	1,015.6	−2.0	31.4	−.2	61	16	39	10	30	24	26	1,041	18	64	3.73	+.4	1.46	12	9.4	nw.	42	nw.	9	11	14	6	4.9	22.4	9.2	0
Hartford [2]	159	5	44	1,010.5	1,016.6	−1.7	27.8	−2.0	56	3	37	−1	25	19	28	1,154	20	74	3.55	−.4	1.98	11	9.4	nw.	34	nw.	9	13	8	10	5.2	22.9	16.5	0
New Haven [2]	107	5	39	1,012.9	1,016.9	−1.4	30.4	−.5	54	16	38	4	25	23	27	1,070	18	62	3.33	−.4	1.48	11	8.2	w.	26	sw.	18	11	13	7	4.9	19.6	12.2	0
MIDDLE ATLANTIC							34.9	−.5										71	1.81	−1.4											5.6			
Albany [2]	97	6	40	1,013.5	1,017.3	−1.0	22.6	−2.9	49	16	31	−12	25	14	34	1,316	15	77	2.36	−.2	.73	12	9.9	w.	38	w.	16	7	9	15	6.2	29.1	16.5	0
Binghamton [4]	871	57	79	985.1	1,018.3	.0	27.8	−.4	59	3	35	2	30	20	31	1,156	26	76	1.11	−1.2	.32	16	7.2	w.	26	w.	9	4	9	18	7.5	6.4	1.3	0
New York [4]	314	415	454	1,006.1	1,018.3	−.3	33.8	−1.2	58	3	40	16	30	27	22	963	22	60	3.87	+.2	2.67	10	16.9	nw.	56	nw.	9	12	12	7	4.7	29.0	16.5	0
Harrisburg [2]	374	30	49	1,005.4	1,019.6	−.4	32.6	−.1	61	3	40	13	25	26	34	1,005	22	70	1.15	−1.9	.35	8	8.3	nw.	32	nw.	28	6	8	17	6.5	6.0	T	0
Philadelphia [4]	114	174	150	1,014.6	1,018.6	−1.0	35.8	−.5	58	16	42	20	20	30	24	905	24	74	1.89	−1.5	.87	8	7.5	nw.	25	se.	16	12	8	11	5.2	7.2	1.7	0
Reading	323	47	306	1,006.8	1,019.3	−.3	34.0	−.2	62	3	41	14	25	27	29	960	----	---	1.28	−2.3	.49	8	11.3	nw.	40	nw.	9	8	8	15	5.9	7.2	1.0	0
Scranton	805	72	104	988.2	1,018.3	−.7	29.4	−1.3	56	3	36	9	25	23	25	1,105	----	---	1.22	−1.8	.36	10	7.4	nw.	30	nw.	18	7	10	14	6.2	8.2	3.0	0
Atlantic City	52	37	172	1,016.6	1,018.6	−1.0	36.2	−.2	58	8	43	18	20	29	23	987	28	74	2.34	−1.6	1.25	8	14.9	w.	58	se.	16	11	6	14	5.3	6.5	T	0
Trenton	190	89	107	1,011.5	1,018.6	−.4	33.9	−.5	58	16	40	17	30	27	27	960	----	---	1.88	−1.5	.79	9	9.3	nw.	29	nw.	28	12	10	9	5.1	9.2	3.5	0
Baltimore [4]	123	100	215	1,014.9	1,019.6	.0	37.0	−.2	59	8	43	22	20	31	23	866	24	66	1.63	−1.7	.74	7	10.3	w.	43	nw.	28	11	7	13	5.3	4.1	T	0
Washington [4]	112	56	100	1,015.9	1,020.3	+.3	36.9	+.3	60	8	45	20	25	29	34	869	24	66	1.47	−1.8	.64	7	6.5	nw.	29	nw.	16	13	7	11	5.4	3.1	.0	0
Cape Henry	18	8	54	1,018.6	1,019.3	+.7	42.4	−1.3	67	8	49	28	20	36	36	703	32	71	2.31	−1.1	1.38	6	12.7	n.	34	n.	11	13	8	10	4.9	.2	.0	0
Lynchburg [2]	686	5	58	994.6	1,020.0	−.3	38.4	+1.1	66	3	48	17	1	29	41	828	26	69	.89	−2.4	.41	5	6.9	sw.	23	w.	16	11	8	12	5.3	.2	.0	0
Norfolk [4]	91	80	125	1,016.6	1,020.0	−.3	43.3	+.2	68	3	50	28	1	36	33	671	30	72	2.35	−1.0	1.43	6	9.0	n.	26	w.	16	11	10	10	5.3	2.3	.0	0
Richmond [4]	144	11	52	1,013.9	1,019.3	−1.0	39.4	−.4	69	3	49	22	1	30	41	793	26	74	1.47	−1.8	1.01	6	6.7	ne.	24	w.	26	12	10	9	5.2	.3	.0	0
SOUTH ATLANTIC							47.0	+.5										78	3.68	+.2											5.9			
Asheville	2,253	77	92	939.0	1,020.7	−1.0	40.4	+2.6	70	5	52	19	1	29	40	761	28	70	1.66	−1.5	.97	6	7.4	nw.	22	nw.	26	10	7	14	5.9	3.4	.0	0
Charlotte [4]	779	63	86	991.9	1,020.7	.0	43.6	+.6	67	4	52	25	1	35	33	665	31	73	2.10	−1.8	.68	7	6.0	sw.	19	sw.	5	10	6	15	6.1	5.8	.0	0
Greensboro [2]	886	6	56	988.2	1,021.0	+.3	39.2	0	68	4	51	19	1	28	42	798	28	78	1.22	−2.6	.52	6	6.8	ne.	23	sw.	5	12	6	13	5.5	2.8	.0	0
Hatteras	11	5	47	1,018.6	1,019.0	−.6	48.9	−1.2	70	16	55	35	26	43	27	501	43	86	3.31	−.9	1.16	8	13.1	n.	34	sw.	16	11	8	12	5.7	.0	.0	0
Raleigh [4]	376	5	71	1,006.1	1,020.0	−.7	42.4	−.6	69	3	52	20	1	32	38	703	30	80	1.10	−2.5	.64	6	6.3	w.	20	sw.	16	7	10	14	6.2	T	.0	0
Wilmington	72	73	107	1,017.3	1,020.0	−.7	48.6	−.5	75	8	58	26	1	39	34	508	40	78	5.50	+2.7	1.38	10	8.6	n.	30	sw.	16	15	4	12	4.8	.0	.0	0
Charleston [4]	48	11	92	1,018.0	1,019.6	−1.1	51.6	−.1	75	8	59	31	1	44	30	420	40	81	6.14	+3.4	2.26	9	9.9	n.	38	ne.	21	12	5	14	5.6	.0	.0	0
Columbia, S. C. [4]	347	70	91	1,007.5	1,020.3	−.7	47.6	+.4	72	4	57	27	2	38	39	539	35	81	4.76	+1.7	1.62	10	7.2	ne.	27	ne.	21	10	6	15	5.8	.0	.0	0
Greenville, S. C. [2]	1,040	18	36	982.1	1,020.3	+.3	43.7	+1.5	67	4	53	25	14	35	32	660	32	72	2.15	−2.7	.81	9	7.5	ne.	25	ne.	15	9	5	17	6.4	2.0	.0	0
Augusta [4]	182	62	77	1,013.5	1,020.0	−.7	48.0	−.1	74	7	58	27	2	38	39	527	36	74	5.57	+2.3	1.47	10	5.0	nw.	17	ne.	21	10	3	18	6.2	.0	.0	0
Savannah [2]	65	19	51	1,017.6	1,020.3	−.4	52.2	+1.5	76	6	62	30	2	43	33	400	42	79	7.52	+4.6	2.29	9	9.2	n.	30	w.	8	10	5	16	6.2	.0	.0	0
Jacksonville [4]	43	86	110	1,018.0	1,019.3	−1.4	58.2	+1.9	78	8	66	40	26	50	25	228	49	86	3.08	+.1	1.18	10	8.1	ne.	20	nw.	8	6	10	15	6.7	.0	.0	0
FLORIDA PENINSULA							69.4	+2.5										84	.78	−1.1											5.8			
Key West [4]	21	10	64	1,016.3	1,016.9	−1.7	73.4	+3.1	85	16	78	59	29	69	14	0	65	82	.46	−1.2	.18	8	8.7	ne.	21	nw.	21	4	17	10	5.9	.0	.0	0
Miami [4]	25	242	249	1,016.6	1,017.6	−1.7	70.6	+1.5	82	16	75	52	27	67	16	27	62	84	.70	−1.3	.25	6	12.4	nw.	31	s.	15	8	15	8	5.2	.0	.0	0
Tampa [2]	35	5	36	1,017.3	1,018.6	−1.4	64.1	+3.0	81	15	73	44	28	55	26	86	56	86	1.19	−.9	.52	4	6.8	ne.	27	s.	15	6	9	16	6.4	.0	.0	1
EAST GULF							51.6	+1.3										82	5.71	−6.											6.4			
Atlanta [2]	1,173	33	72	984.9	------	-----	45.4	+1.2	67	3	55	26	26	36	35	----	36	81	4.21	−.6	1.25	12	9.1	e.	30	w.	16	6	9	16	6.6	.0	.0	0
Macon [4]	370	79	87	1,006.4	1,020.0	−.7	47.8	−.3	72	7	58	26	2	37	43	536	38	74	6.65	+2.7	1.70	11	5.6	n.	18	nw.	16	9	4	18	6.6	.0	.0	0
Thomasville	273	48	58	1,010.5	1,020.7	−.3	55.0	+2.5	77	8	64	33	26	46	33	310	----	--	6.00	−1.7	1.96	12	----	------	--	------	--	----	----	----	----	----	----	1
Apalachicola	35	11	51	1,018.0	1,019.3	−1.0	56.3	+.6	77	10	63	39	26	50	23	275	50	86	3.02	−2.1	1.46	11	7.7	ne.	27	w.	15	9	6	16	6.5	.0	.0	1
Pensacola [4]	56	54	79	1,017.6	1,019.6	−1.1	54.6	+.6	76	5	62	33	26	47	25	331	46	84	6.58	+1.9	2.84	12	7.6	ne.	29	nw.	8	10	5	16	6.4	.0	.0	1
Birmingham [2]	700	5	62	994.9	1,020.3	−1.0	46.0	+1.9	75	4	58	23	1	34	37	590	37	80	4.94	−.2	2.07	11	7.0	e.	28	se.	31	8	8	15	6.4	.0	.0	1
Mobile [4]	57	86	161	1,018.0	1,020.0	−.7	54.2	+2.0	77	5	62	34	26	46	27	343	45	84	7.29	+2.3	1.90	13	8.2	n.	26	sw.	15	8	8	15	6.4	.0	.0	3
Montgomery [4]	218	92	105	1,012.2	1,020.0	−1.3	51.1	+1.7	75	4	61	31	26	42	35	429	40	82	4.78	−.1	1.52	10	6.5	n.	24	s.	15	8	6	17	6.5	.0	.0	0
Meridian [4]	375	67	92	1,006.4	1,020.3	−.7	49.4	+1.7	76	4	60	25	1	39	37	484	40	84	4.99	−.2	1.47	12	5.8	n.	26	sw.	15	11	6	14	5.9	.0	.0	1
Vicksburg [4]	247	82	102	1,010.8	1,020.0	−1.0	51.2	+1.2	76	7	60	29	25	42	30	428	38	82	5.86	+.5	2.29	11	9.0	n.	30	se.	31	11	7	13	5.7	T	.0	4
New Orleans	53	76	84	1,017.6	1,019.6	−1.1	56.4	+.8	78	5	64	38	25	49	25	286	48	79	8.51	+3.7	3.53	12	7.2	ne.	19	ne.	13	7	9	15	6.5	.0	.0	3
WEST GULF							52.4	+1.1										80	3.98	+.7											6.2			
Shreveport [2]	249	5	64	1,010.5	1,019.6	−1.1	49.7	+1.6	76	28	60	29	14	39	38	475	41	78	5.84	+1.6	1.87	8	8.6	se.	36	w.	31	8	8	15	6.3	.0	.0	2
Fort Smith [2]	463	6	30	1,002.4	1,019.0	−1.0	43.6	+1.5	74	29	55	22	25	32	39	663	34	76	5.11	+2.4	2.59	8	7.3	ne.	31	w.	31	10	12	9	5.1	.0	.0	2
Little Rock [2]	357	26	58	1,006.8	1,020.0	−.7	45.4	+1.2	71	30	56	22	14	35	36	604	36	76	4.34	+.2	2.15	7	7.4	n.	26	ne.	15	12	7	12	5.2	.5	.0	1
Austin [2]	605	5	41	997.0	1,018.6	−2.4	52.8	+1.8	78	31	63	32	26	42	41	385	44	78	1.89	−.8	1.00	9	9.2	n.	38	nw.	31	7	8	16	6.2	T	.0	1
Brownsville [2]	57	5	54	1,014.6	1,016.6	−1.7	62.0	+.8	85	5	71	32	15	53	35	184	56	88	1.74	−.1	.97	10	10.6	n.	36	s.	31	2	9	20	7.9	.0	.0	2
Corpus Christi [2]	20	6	33	1,017.6	1,018.3	−1.3	58.7	+2.2	81	4	68	34	15	50	35	248	52	86	2.17	------	1.36	8	10.6	ne.	42	nw.	31	5	9	17	6.9	.0	.0	2
Dallas [2]	512	34	45	1,000.3	1,019.0	−1.3	48.6	+.9	74	27	59	26	14	38	38	512	40	79	6.11	+3.8	2.00	8	9.2	n.	29	w.	31	11	7	13	5.6	T	.0	4
Fort Worth [2]	679	40	56	994.2	1,019.3	−.7	48.0	+1.5	77	27	58	27	31	38	39	525	39	76	4.50	+2.6	1.66	7	10.1	n.	34	w.	3	10	8	13	5.7	T	.0	3
Galveston [4]	54	122	129	1,016.9	1,019.0	−1.3	56.3	−.1	74	7	62	37	13	51	23	287	52	92	5.19	−1.4	1.98	12	12.6	e.	36	w.	31	7	8	16	6.5	.0	.0	2
Houston [4]	138	157	190	1,013.5	1,019.3	−1.0	56.0	+1.6	78	7	64	34	25	48	32	297	48	82	4.15	−.1	1.61	13	10.5	n.	35	se.	31	10	3	18	6.5	.0	.0	2
Palestine	510	64	72	1,001.0	1,019.3	−1.0	51.6	+1.7	74	31	60	30	25	43	41	418	40	68	4.93	+1.3	1.36	9	7.5	n.	26	nw.	31	10	6	15	5.9	.0	.0	1
Port Arthur [4]	34	59	134	1,017.6	1,018.6	−1.4	55.0	+.3	76	4	62	34	26	48	26	323	47	86	3.91	−1.3	1.11	9	13.2	n.	42	ne.	14	9	7	15	6.2	.0	.0	3
San Antonio [2]	693	8	51	993.6	1,018.6	−1.0	53.4	−.3	81	31	65	26	26	42	40	376	44	74	1.90	+.3	1.08	9	8.7	n.	41	nw.	31	9	7	15	6.4	T	.0	1
OHIO VALLEY AND TENNESSEE							36.4	+1.1										78	1.95	−1.6											6.2			
Chattanooga [2]	762	6	66	992.6	1,020.7	−.6	41.8	+.9	71	5	54	20	1	30	39	719	32	79	3.10	−2.0	1.42	10	6.3	n.	25	w.	25	8	5	18	6.4	.0	.0	0
Knoxville [2]	995	27	53	984.1	1,021.0	.0	41.0	+2.0	67	5	52	21	18	30	38	748	31	76	2.13	−2.4	1.08	7	6.7	ne.	25	sw.	5	8	9	14	6.1	T	.0	0
Memphis [2]	399	5	86	1,005.4	1,020.3	−.7	44.4	+2.0	70	29	56	20	14	33	39	637	34	76	3.36	−1.2	1.55	7	7.7	n.	30	sw.	31	12	8	11	5.4	.0	.0	1
Nashville [2]	546	5	72	1,000.3	1,020.7	−.6	41.4	+.4	72	4	53	18	1	30	42	733	30	74	2.48	−1.7	1.58	6	7.7	s.	26	nw.	15	9	11	11	5.8	T	.0	1
Lexington [2]	989	4	58	983.4	1,020.7	.0	36.3	+.5	59	3	46	15	25	26	36	890	28	78	1.70	−2.1	.81	5	----	s.	--	------	--	12	5	14	5.5	T	.0	0
Louisville [2]	525	5	54	1,002.7	1,020.3	−.7	38.0	+1.7	62	3	47	18	1	29	33	835	29	74	1.86	−1.9	.70	5	7.1	s.	29	w.	8	11	9	11	5.5	T	.0	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR DECEMBER 1947—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.	
OHIO VALLEY AND TENNESSEE—Con.																																		
Evansville [2]	431	6	40	1,004.4	1,020.3	−.7	36.8	+2.0	62	7	47	15	1	27	35	873	30	80	2.50	−1.0	1.81	5	7.7	s.	28	s.	7	10	9	12	5.7	.9	.0	1
Indianapolis [2]	823	5	54	988.2	1,019.3	−.7	31.6	+.7	58	7	40	9	17	24	30	1,033	25	81	1.61	----	.73	9	10.2	sw.	35	w.	8	6	8	17	6.7	4.7	T	0
Terre Haute [2]	575	4	36	998.6	1,020.3	+.3	32.9	+.4	58	7	41	11	16	25	28	995	27	80	1.67	−1.3	2.21	7	9.8	s.	30	w.	7	10	7	14	6.0	5.2	.0	0
Cincinnati [4]	627	135	148	997.0	1,020.7	.0	37.4	+4.0	61	3	45	19	25	30	31	858	27	80	1.40	−1.6	.76	8	4.5	se.	14	nw.	16	8	9	14	6.1	1.4	.0	0
Columbus [4]	822	90	110	989.5	1,020.0	.0	33.4	+1.0	58	3	40	10	25	27	30	983	24	78	1.44	−1.3	.50	8	9.5	s.	27	sw.	8	6	8	17	6.6	6.2	T	0
Dayton [2]	1,003	6	55	982.4	1,020.0	+.4	31.0	−.3	57	3	39	9	25	23	35	1,058	25	83	1.45	−1.3	.49	7	11.5	sw.	32	w.	8	6	6	19	6.9	5.6	.0	0
Elkins [2]	1,947	5	45	948.9	1,021.0	.0	32.0	+.3	60	5	44	7	29	20	43	1,024	24	84	1.55	−1.9	.70	12	6.8	w.	34	w.	8	7	4	20	6.9	4.1	T	0
Parkersburg	637	77	84	996.6	1,020.3	−.4	35.5	+.3	61	3	44	14	25	27	34	913	26	74	1.82	−1.2	.76	10	6.1	sw.	25	nw.	5	8	6	17	6.3	2.5	.0	0
Pittsburgh [2]	842	39	54	988.2	1,019.0	−.6	32.6	+.6	58	3	40	15	29	25	32	1,005	24	71	1.19	−1.7	.55	10	10.8	s.	35	sw.	5	5	4	22	7.4	2.6	.0	0
LOWER LAKES																																		
							27.9	−.5										80	2.07	−.7											8.0			
Buffalo [2]	768	34	96	988.8	1,018.0	+.4	28.3	−.5	52	8	35	10	20	22	26	1,135	21	78	1.96	−1.4	.64	14	14.4	w.	50	sw.	17	3	6	22	7.9	4.3	.1	0
Canton	448	10	61	1,000.7	1,017.6	+.3	18.2	−3.6	45	8	26	−16	30	10	31	1,447	14	84	2.28	−.4	.57	13	8.6	w.	34	w.	16	6	10	15	6.7	15.7	5.2	0
Oswego	335	71	85	1,005.1	1,018.0	.0	26.8	−1.3	49	3	33	3	30	21	22	1,184	18	69	2.60	−.9	.52	19	11.1	se.	31	w.	9	3	5	23	8.1	20.6	2.9	0
Rochester [2]	523	4	69	998.3	1,018.0	−.3	26.7	−1.1	50	3	34	2	30	20	29	1,186	21	82	2.02	−.7	.63	18	11.6	w.	45	sw.	8	3	2	26	8.4	15.3	2.4	0
Syracuse [2]	596	5	57	995.3	1,018.3	+.3	25.8	−1.6	53	3	34	−3	30	18	31	1,213	19	78	2.32	−.8	.64	22	10.3	sw.	40	w.	9	3	4	24	8.1	21.1	4.5	0
Erie [4]	714	57	81	991.9	1,018.6	+.3	32.2	+.3	56	8	38	14	20	27	27	1,018	25	82	2.30	−.5	.79	16	9.1	w.	27	sw.	18	4	2	25	8.3	6.8	.0	0
Cleveland [2]	762	27	54	990.5	1,019.3	+.7	31.5	+2.4	56	8	38	14	1	25	29	1,040	25	80	1.84	−.6	.54	10	11.6	w.	38	w.	8	4	3	24	7.9	3.4	.0	0
Sandusky	629	5	67	995.6	1,019.6	+.6	31.8	+.6	56	8	38	16	29	26	27	1,031	----	---	2.08	−.2	.96	11	9.8	w.	29	sw.	8	4	3	24	8.2	4.0	.0	0
Toledo [2]	628	5	47	995.3	1,019.3	.0	28.2	−.9	55	8	36	2	20	21	32	1,142	22	80	1.87	−.5	.65	11	10.9	sw.	34	w.	8	2	8	21	8.0	10.0	1.6	0
Fort Wayne [2]	857	5	34	987.1	1,019.3	.0	28.9	+.3	55	7	36	7	17	22	26	1,121	24	86	1.63	−1.0	.48	10	9.2	s.	29	s.	17	2	7	22	8.2	6.6	.2	0
Detroit [3]	730	5	77	991.5	1,019.0	+.4	29.0	+.1	52	8	34	8	20	24	27	1,117	24	82	1.85	−.5	.49	11	10.7	nw.	36	nw.	8	2	6	23	8.2	9.4	1.8	0
UPPER LAKES																																		
							24.6	+1.2										83	1.49	−.5											8.0			
Alpena	609	5	89	993.9	1,017.3	+.4	26.3	+1.5	42	8	31	7	18	21	21	1,199	22	86	1.39	−.7	.56	16	10.9	nw.	33	nw.	16	1	5	25	8.7	13.5	2.0	0
Escanaba	612	51	72	994.2	1,018.0	+.7	23.8	+1.4	39	2	30	1	18	18	23	1,277	20	82	.60	−1.2	.36	7	10.2	nw.	34	n.	8	4	8	19	7.4	5.8	2.2	0
Grand Rapids [4]	707	70	244	991.5	1,018.3	.0	30.2	+1.7	54	7	35	13	19	26	21	1,081	23	81	2.47	−.1	1.04	10	11.4	s.	43	sw.	7	1	4	26	8.6	9.8	T	0
Lansing [4]	878	5	90	985.4	1,018.6	+.6	27.3	+.1	53	8	33	9	19	22	31	1,169	22	82	2.00	−.1	.54	12	8.7	sw.	28	w.	8	1	6	24	8.5	15.3	2.7	0
Marquette	734	44	73	989.2	1,017.3	+.4	23.0	+.4	37	2	28	3	17	18	16	1,302	18	82	1.69	−1.0	.63	20	8.2	w.	26	s.	13	1	5	25	8.6	17.8	7.2	0
Sault Sainte Marie [2]	614	10	52	993.2	1,016.9	.0	20.3	+1.5	37	3	26	−8	18	14	24	1,388	18	88	1.60	−.6	.33	21	11.0	e.	39	nw.	27	2	5	24	8.2	27.4	11.9	0
Chicago [2]	673	5	38	993.2	1,019.0	.0	30.0	+3.1	54	7	37	13	9	23	22	1,086	24	82	1.63	−.4	.59	7	10.1	s.	34	w.	7	5	8	18	7.5	6.1	.0	0
Green Bay	617	5	32	994.9	1,018.6	+.6	22.6	+.3	40	2	29	2	13	16	26	1,318	17	78	1.29	−.4	.54	10	7.7	s.	26	w.	8	5	4	22	7.4	7.8	1.5	0
Milwaukee [2]	681	33	66	992.6	1,018.6	+.3	26.9	+2.2	48	7	34	9	16	20	24	1,181	22	79	1.72	.0	.70	7	12.4	nw.	36	e.	4	4	4	23	7.7	5.2	.1	0
Duluth [4]	1,133	5	47	974.9	1,018.3	+.3	15.6	−.3	34	22	22	−5	17	9	23	1,530	12	94	.49	−.7	.13	10	11.0	nw.	38	nw.	8	6	7	18	7.1	4.8	5.1	1
NORTH DAKOTA																																		
							12.6	+1.8										88	.36	−.2											7.2			
Fargo [2]	940	5	47	983.4	1,020.0	+.4	10.0	−1.5	34	14	20	−20	31	0	36	1,706	8	90	.46	−.3	.30	7	11.0	n.	35	s.	19	6	6	19	7.1	5.5	15.3	0
Bismarck [2]	1,677	5	41	956.0	1,019.6	−.4	14.3	+1.5	43	26	24	−20	31	4	41	1,571	12	90	.26	−.3	.23	3	8.4	nw.	45	n.	14	4	5	22	7.5	3.9	4.6	0
Devils Lake	1,478	11	44	962.8	1,019.6	+.6	9.4	−.1	36	26	18	−22	31	1	30	1,726	6	82	.40	−.1	.22	8	7.8	w.	26	n.	14	5	5	21	7.3	6.0	7.3	0
Grand Forks [2]	832	4	41	987.8	1,020.3	+1.3	8.0	----	33	26	18	−25	31	−2	34	1,768	6	90	.44	----	.18	10	----	n.	--	----	--	5	8	18	----	6.6	9.4	0
Williston	1,878	42	50	947.9	1,017.3	−1.7	21.2	+7.4	49	26	30	−10	8	12	40	1,358	18	88	.24	−.3	.11	5	5.9	se.	34	n.	14	7	7	17	6.7	2.8	1.6	0
UPPER MISSISSIPPI																																		
							28.8	+2.3										83	2.04	+.3											7.2			
Minneapolis - St. Paul [2]	919	43	74	983.7	1,019.3	+1.0	17.7	−1.9	37	21	26	−12	9	9	30	1,466	14	86	.60	−.4	.45	11	9.1	nw.	26	ne.	4	5	6	20	7.4	6.7	5.4	0
La Crosse [2]	714	5	29	991.5	1,018.6	−.4	18.1	−2.3	38	2	28	−19	9	8	38	1,451	16	88	1.32	.0	.71	7	7.6	nw	27	nw.	25	3	8	20	7.5	10.5	2.5	0
Madison [2]	974	27	39	982.1	1,019.0	−.3	24.2	+1.8	42	2	32	2	9	17	26	1,270	20	84	1.37	−.3	.84	9	9.6	w.	34	nw.	7	4	7	20	7.5	7.7	2.0	0
Charles City	1,015	10	51	981.4	1,020.0	+.4	22.2	+1.8	40	2	30	−5	9	15	27	1,328	----	---	1.30	.0	.70	3	5.6	nw.	16	ne.	4	6	5	20	7.2	4.3	1.0	0
Moline [2]	606	6	50	996.3	1,020.0	.0	30.2	+4.5	58	7	38	11	9	22	29	1,078	24	84	1.64	+.2	.91	5	9.6	sw.	36	sw.	7	3	9	19	7.3	1.8	.0	0
Des Moines [4]	860	5	99	----	1,019.6	.0	29.2	+3.2	57	2	37	9	31	21	30	----	24	83	1.65	+.4	1.13	3	8.4	n.	26	nw.	7	3	10	18	7.5	1.8	.0	0
Dubuque	699	60	79	992.6	1,019.0	−.6	27.8	+3.1	49	2	45	6	9	20	26	1,150	22	80	1.99	+.6	1.21	6	5.6	nw.	20	nw.	7	4	9	18	7.4	4.0	T	0
Burlington [2]	702	4	36	992.9	1,019.3	−.7	30.6	+3.3	60	7	39	9	13	22	34	1,067	26	88	2.48	+.8	2.06	5	10.4	nw.	35	w.	7	5	8	18	7.1	2.3	T	1
Cairo	357	5	99	1,007.1	1,020.3	−.4	40.6	+2.8	65	30	49	23	16	32	32	755	----	---	4.15	+.8	2.49	5	8.8	ne.	24	sw.	4	10	9	12	5.9	.8	.0	1
Peoria [2]	609	7	26	996.3	1,019.6	−.4	31.3	+4.2	58	7	39	13	16	24	27	1,045	26	82	3.13	+1.4	1.35	7	9.7	nw.	36	w.	7	7	6	18	6.9	1.8	.0	1
Springfield, Ill. [4]	636	5	191	995.6	1,019.6	−.4	31.9	+3.2	59	7	41	17	16	28	25	930	28	82	2.52	+.3	1.06	6	11.6	s.	34	s.	4	8	3	20	7.2	.8	.0	2
St. Louis [4]	568	33	59	998.6	1,019.6	−.7	38.8	+3.9	64	30	46	20	16	31	28	811	----	72	2.34	+.1	2.05	6	11.4	s.	38	s.	7	12	3	16	----	.7	.0	0
MISSOURI VALLEY																																		
							30.5	+3.1										82	1.85	+.7											6.1			
Columbia, Mo. [4]	784	6	66	990.2	1,019.3	−.7	38.4	+4.4	68	7	48	16	16	29	33	823	26	72	1.99	+.1	1.32	5	7.5	s.	26	sw.	7	10	10	11	5.6	.4	T	1
Kansas City [2]	963	38	76	991.2	1,019.3	−1.0	32.5	+4.7	68	29	46	19	16	28	40	859	28	74	3.61	+2.4	2.75	6	10.7	sw.	35	sw.	7	10	9	12	5.9	1.7	.9	0
St. Joseph [2]	967	5	51	983.1	1,019.3	−.7	34.4	+4.8	65	2	44	14	16	25	37	946	26	79	2.89	+1.6	2.22	5	8.1	s.	30	sw.	7	10	9	12	5.8	4.6	T	0
Springfield, Mo. [2]	1,324	5	50	970.5	1,019.3	−.7	38.6	+3.1	68	29	49	14	16	28	37	820	30	79	1.67	−.6	1.42	7	12.1	s.	36	s.	4	11	6	14	5.6	T	.0	0
Topeka [4]	987	65	87	982.4	1,019.0	−1.0	35.6	+3.6	66	2	44	15	31	27	34	913	28	84	3.75	+2.8	2.68	5	8.9	w.	29	sw.	14	7	7	17	6.5	5.3	.7	0
Lincoln [4]	1,189	6	81	974.9	1,019.6	−.4	29.4	+1.8	56	2	37	9	31	22	27	1,100	24	88	1.94	+1.1	1.30	6	8.5	n.	26	n.	30	8	8	15	5.9	4.1	.0	0
Omaha [2]	1,105	5	68	978.0	1,019.6	−.7	28.8	+2.4	54	1	37	8	31	20	27	1,127	23	84	1.09	+.2	.81	6	9.8	n.	31	n.	30	10	3	18	6.3	2.2	.0	0
Valentine	2,598	46	54	924.5	1,019.6	−.4	28.2	+3.6	56	27	38	4	31	18	30	1,135	22	80	.23	−.4	.20	2	7.7	w.	25	nw.	2	9	13	9	5.4	2.8	.1	0
Sioux City [2]	1,138	5	40	978.3	1,020.0	.0	23.1	+4.7	52	1	32	−4	8	14	31	1,297	19	84	1.25	+.4	.75	2	8.9	nw.	31	nw.	14	5	11	15	7.0	6.2	T	0
Huron [2]	1,301	5	41	970.9	1,020.3	.0	16.4	−2.3	40	14	26	−10	31	7	31	1,505	14	93	.06	−.5	.04	2	10.1	nw.	47	nw.	14	5	8	18	7.2	1.3	3.3	0
NORTHERN SLOPE																																		
							27.1	+3.5										77	.52	−.2											7.1			
Billings [2]	3,570	16	39	890.6	1,018.0	−2.7	28.1	+1.9	50	27	36	5	30	21	23	1,146	20	70	.81	----	.67	4	12.3	sw.	42	nw.	14	7	8	16	6.6	8.3	T	0
Havre	2,507	11	67	925.8	1,017.6	−1.7	26.0	+5.6	54	26	36	−3	30	16	39	1,213	20	79	.27	−.3	.16	4	9.6	sw.	36	nw.	14	2	8	21	7.8	4.4	T	0
Helena [2]	4,124	5	43	873.7	1,020.7	.0	26.8	+4.1	50	13	35	−5	30	19	26	1,184	20	78	.27	−.2	.11	6	6.9	w.	37	w.	13	3	10	18	7.2	2.8	1.0	0
Missoula [2]	3,263	4	32	903.8	1,022.0	.0	25.5	+4.1	46	13	32	−3	31	19	23	1,228	24	92	.78	−.2	.20	14	3.8	nw.	26	w.	13	0	4	27	9.0	10.0	3.9	0
Kalispell	2,973	48	56	913.0	1,019.3	−.7	27.0	+2.1	46	18	33	10	10	20	22	1,185	23	82	.81	−.6	.48	11	4.1	w.	28	sw.	13	1	5	25	8.5	11.4	1.8	0
Miles City [2]	2,371	5	28	931.6	1,019.3	−1.4	24.2	----	53	26	34	−12	30	15	36	1,264	20	85	.28	----	.22	6	----	s.	--	----	--	4	7	20	7.2	4.9	.4	0
Rapid City [2]	3,259	5	56	901.1	1,018.6	−1.7	30.4	+5.3	62	26	42	0	31	19	42	1,074	19	71	.15	−.3	.11	5	12.4	nw.	50	nw.	14	6	9	16	6.5	1.6	.0	0
Cheyenne [2]	6,094	22	40	811.0	1,019.3	+.3	29.7	+1.2	63	27	40	−7	31	20	35	1,096	18	64	.52	.0	.40	6	12.3	nw.	40	nw.	14	9	9	13	6.0	8.3	6.2	0
Lander [2]	5,352	6	30	834.4	1,021.0	−1.0	24.4	+3.9	45	27	36	−12	31	13	31	1,260	14	68	.51	−.2	.44	3	4.2	se.	38	w.	14	9	10	12	5.9	8.4	7.2	0
Sheridan [2]	3,790	5	38	883.8	1,019.3	−1.0	27.0	+4.2	61	25	38	−1	31	16	40	1,176	20	78	.43	−.2	.22	8	6.2	nw.	41	nw.	28	4	7	20	6.9	6.2	.3	----
North Platte [2]	2,821	11	51	917.0	1,020.0	−.3	28.9	+2.2	57	27	39	4	11	19	33	1,118	21	84	.84	+.3	.59	4	5.8	n.	23	ne.	7	9	9	13	6.2	8.6	1.6	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR DECEMBER 1947—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.	
MIDDLE SLOPE							36.3	+2.2										75	1.59	+.6											5.3			
Denver [4]	5,292	106	113	836.8	1,018.0	−.6	36.0	+3.7	71	27	46	7	31	26	39	900	16	58	.16	−.6	.10	3	7.2	s.	26	n.	24	12	10	9	5.2	6.7	5.5	0
Pueblo [2]	4,690	5	36	856.4	1,019.3	+.3	33.4	+3.3	68	27	49	−4	31	18	54	981	20	66	.55	.0	.43	4	6.6	nw.	42	w.	21	11	13	7	5.0	5.7	4.5	0
Concordia	1,392	50	58	967.5	1,019.3	−1.0	32.4	+1.7	64	2	40	5	11	24	32	1,010	26	82	2.47	+1.8	1.88	5	7.3	n.	26	nw.	7	11	9	11	5.3	7.8	3.0	0
Dodge City [2]	2,509	5	58	928.2	1,019.0	−1.7	32.2	−.4	64	2	42	7	10	23	32	1,018	27	86	1.61	+1.0	.90	5	13.2	n.	34	n.	31	12	6	13	5.3	4.7	.4	0
Wichita [2]	1,358	52	64	968.5	1,018.6	−1.0	36.4	+1.8	62	28	45	14	12	28	29	889	30	80	2.98	+2.0	2.20	7	13.2	s.	35	n.	31	9	7	15	6.0	3.5	1.0	1
Oklahoma City [4]	1,214	10	47	974.6	1,019.0	−1.0	42.1	+2.8	72	28	52	17	31	33	33	710	34	79	2.35	+.8	1.39	4	8.9	s.	22	w.	3	12	9	10	5.0	3.5	----	2
Tulsa [2]	674	10	60	993.9	1,018.6	----	41.6	+2.8	72	28	53	20	25	30	44	725	32	74	1.03	−.9	.81	5	10.5	s.	34	se.	4	10	11	10	5.2	T	0	1
SOUTHERN SLOPE							44.4	+1.0										70	1.32	+.4											5.0			
Abilene [2]	1,738	4	59	956.0	1,018.3	−1.7	47.4	+2.3	73	27	58	24	31	37	36	546	37	74	2.55	+1.2	1.43	7	12.0	s.	42	w.	3	10	8	13	5.5	T	T	4
Amarillo [2]	3,676	5	42	889.3	1,018.1	−1.2	38.1	+2.6	71	27	51	15	31	26	42	835	26	74	1.26	+.5	.78	4	12.8	n.	32	sw.	21	11	8	12	5.1	3.1	3.0	0
Del Rio	960	63	71	983.7	1,018.0	−1.3	53.7	+1.5	76	4	64	32	26	43	40	353	42	70	.64	−.1	.38	3	7.8	nw.	41	nw.	31	10	10	11	5.5	2.8	0	0
Roswell	3,614	6	29	892.3	1,018.3	−1.0	38.6	−2.6	68	28	54	7	31	23	46	819	24	64	.83	+.2	.59	4	7.0	n.	29	w.	2	18	4	9	4.0	3.6	2.0	1
SOUTHERN PLATEAU							43.1	−1.2										55	.79	−.1											4.0			
El Paso [2]	3,778	35	85	887.6	1,017.3	−1.3	43.0	−.7	68	2	55	17	14	31	36	684	24	50	.82	+.3	.58	3	9.1	n.	35	sw.	31	17	6	8	3.7	.6	.0	0
Albuquerque [2]	4,972	5	45	849.0	1,018.6	−1.0	34.6	+.1	59	2	46	13	13	23	35	942	21	62	1.05	+.6	.56	5	7.6	ne.	37	s.	30	11	11	9	4.9	5.1	2.0	0
Flagstaff	6,907	34	48	789.7	1,021.7	+3.7	28.1	−1.5	55	27	42	−9	11	14	47	1,147	16	65	2.02	.0	.72	9	----	nw.	--	------	--	15	6	10	4.5	20.6	1.8	0
Phoenix [4]	1,107	39	87	978.0	1,018.0	+.7	51.0	−1.0	76	27	63	30	11	39	35	432	32	56	.32	−.7	.20	3	5.9	e.	23	ne.	12	17	7	7	3.8	.0	.0	2
Tucson [2]	2,555	5	39	927.5	1,017.3	.0	48.2	−2.5	76	1	61	24	11	35	41	518	28	49	.41	−.6	.17	4	----	se.	--	------	--	18	6	7	3.7	T	.0	0
Yuma	142	9	54	1,012.5	1,017.6	.0	53.6	−1.6	76	27	66	31	9	42	33	352	32	47	.11	−.4	.05	3	6.2	n.	28	nw.	12	20	6	5	3.2	.0	.0	1
MIDDLE PLATEAU							29.0	−.6										78	.78	−.2											6.3			
Reno [2]	4,527	20	52	864.5	1,021.7	+.4	32.4	+.5	58	25	48	7	30	17	45	1,010	22	68	.01	−1.0	.01	1	5.0	n.	34	w.	28	5	12	14	6.3	1.0	.0	0
Winnemucca	4,339	5	56	870.6	1,022.4	.0	30.0	.0	50	26	40	6	31	20	34	1,084	24	78	.45	−.6	.20	7	7.2	ne.	22	sw.	7	2	6	23	7.6	5.5	.0	0
Modena	5,473	10	46	834.4	1,021.7	+.7	24.0	−4.1	51	27	36	−5	31	12	41	1,267	----	----	2.15	+1.3	1.29	6	7.3	w.	25	ne.	30	13	9	9	4.9	20.7	2.0	0
Salt Lake City [2]	4,227	32	46	870.0	1,022.4	+.4	29.8	−.4	50	5	38	8	31	22	27	1,091	26	85	.79	−.6	.46	9	6.2	se.	24	e.	4	5	8	18	7.0	9.0	.1	0
Grand Junction [2]	4,602	60	68	862.5	1,024.0	+3.3	28.6	+1.1	49	26	38	8	12	19	28	1,129	22	81	.49	−.1	.23	6	5.9	e.	26	sw.	6	11	7	13	5.5	4.1	1.2	0
NORTHERN PLATEAU							31.9	+1.7										86	1.04	−.6											8.2			
Baker [4]	3,471	36	54	898.4	1,022.7	+.3	29.4	+2.1	44	20	37	11	30	22	23	1,101	24	82	.48	−1.2	.17	9	5.1	se.	20	sw.	18	2	5	24	8.1	6.9	.5	0
Boise [2]	2,739	5	49	924.1	1,023.4	.0	31.4	+1.1	48	19	38	9	10	24	23	1,046	28	86	.66	−.9	.21	8	7.9	se.	26	se.	17	4	9	18	7.6	5.5	.9	0
Pocatello [2]	4,478	5	31	865.9	1,024.4	+1.7	26.4	+1.1	44	28	34	9	31	19	32	1,194	22	86	1.14	.0	.63	12	7.5	sw.	26	sw.	28	3	8	20	7.7	5.5	T	0
Spokane [2]	1,929	27	42	949.5	1,020.7	+.4	31.2	+.7	47	24	36	13	9	27	18	1,051	28	88	1.80	−.4	.43	16	5.9	sw.	33	sw.	13	1	2	28	9.2	11.9	.0	0
Walla Walla	991	57	65	984.1	1,021.0	+.3	38.8	+3.3	58	23	45	25	12	33	27	812	----	----	1.93	−.1	.62	11	4.8	s.	32	sw.	13	0	5	26	----	1.4	.0	0
Yakima [2]	1,076	58	67	980.4	1,020.7	.0	34.2	+2.0	53	1	41	18	6	28	29	955	30	86	.22	−.7	.06	8	----	w.	--	------	--	2	4	25	8.5	1.0	.0	0
NORTH PACIFIC COAST							43.8	+2.0										85	6.28	−.9											8.7			
North Head	211	5	56	1,009.8	1,017.6	+1.0	46.6	+2.5	66	25	50	38	19	43	18	571	42	82	8.65	−.8	1.28	25	16.8	se.	62	s.	18	2	3	26	8.4	.0	.0	0
Seattle [4]	125	90	321	1,013.5	1,018.3	+1.0	45.1	+2.5	58	24	49	34	5	41	16	612	40	86	6.26	+.7	1.12	24	9.6	se.	40	s.	13	1	3	27	8.6	T	.0	0
Tacoma	194	172	201	1,010.8	1,018.0	+.4	43.6	+3.0	58	23	48	32	5	39	17	660	----	----	5.61	−1.1	.86	22	8.1	s.	43	s.	13	1	6	24	8.5	T	.0	0
Tatoosh Island	86	9	61	1,012.9	1,015.9	+.7	45.2	+1.3	57	26	49	38	7	42	12	612	42	88	13.93	+.6	2.85	25	17.2	e.	61	s.	18	2	1	28	8.8	.0	.0	0
Medford [2]	1,329	29	58	973.2	1,022.4	+2.4	37.6	−.5	59	20	44	25	30	31	28	845	35	88	1.34	−1.5	.36	16	----	n.	--	------	--	1	2	28	9.0	T	.0	0
Portland, Oreg. [4]	154	68	106	1,013.9	1,020.0	+1.0	45.0	+3.8	59	23	50	33	26	40	22	622	39	84	4.79	−1.9	.88	24	5.2	se.	21	se.	13	0	5	26	9.0	.0	.0	0
Roseburg	510	45	76	1,002.4	1,021.3	+1.7	43.2	+1.4	65	23	49	30	25	37	25	674	39	84	3.38	−2.0	.99	15	3.6	s.	18	w.	18	0	4	27	8.6	.0	.0	0
MIDDLE PACIFIC COAST							47.4	−.5										78	1.82	−2.6											6.6			
Eureka	60	72	88	1,019.6	1,022.0	+2.0	48.2	.0	70	26	55	35	30	41	26	519	42	79	3.09	−3.2	.75	14	5.7	se.	27	sw.	21	3	11	17	7.4	.0	.0	0
Red Bluff [2]	----	----	----	1,008.5	1,021.3	----	44.8	−1.3	66	1	53	30	9	36	30	624	36	75	1.69	−2.7	.70	5	5.7	nw.	21	nw.	2	6	8	17	6.8	.0	.0	0
Sacramento [4]	66	92	115	1,018.6	1,021.0	+1.0	45.8	−.4	66	2	54	31	30	38	25	593	38	79	.65	−2.4	.43	6	6.3	n.	26	n.	1	9	6	16	6.4	.0	.0	0
San Francisco [4]	155	112	132	1,015.2	1,021.0	+1.7	51.0	−.3	69	2	56	41	27	46	18	436	42	81	1.84	−2.1	1.06	4	6.5	w.	21	w.	3	11	8	12	5.6	.0	.0	0
SOUTH PACIFIC COAST							52.7	+.3										65	1.69	−.3											4.9			
Fresno [2]	327	5	35	1,008.5	1,021.0	+.7	45.2	+.1	64	16	56	25	30	35	33	612	37	76	.42	−1.0	.22	4	3.8	se.	20	nw.	17	5	9	17	6.8	.0	.0	0
Los Angeles	338	223	250	1,006.1	1,018.3	.0	57.2	+.6	83	27	66	40	31	48	27	260	38	54	1.62	−1.0	1.02	8	7.0	ne.	33	n.	30	17	7	7	3.9	T	.0	2
San Diego [2]	87	20	55	1,014.9	1,018.0	+.4	55.8	+.3	80	25	66	38	31	46	31	289	42	64	3.02	+1.2	1.65	5	5.8	n.	27	s.	5	16	9	6	3.9	.0	.0	2
PANAMA CANAL																																		
Balboa Heights	118	6	97	------	1,009.5	----	79.2	−.7	90	18	86	68	1	72	18	----	73	86	5.58	+.7	----	18	5.2	nw.	19	e.	22	1	24	6	6.6	0	.0	6
Cristobal	27	47	92	------	1,009.5	----	79.8	−.5	86	5	84	72	8	76	12	----	74	84	12.32	+.2	----	19	8.6	ne.	26	ne.	26	2	16	13	6.7	.0	.0	3
ALASKA																																		
Anchorage [2]	132	6	44	990.5	995.6	----	22.7	+9.4	39	3	27	3	18	18	19	1,313	21	85	.68	−.2	.27	13	5.0	n.	20	n.	20	0	5	26	8.5	14.9	10.0	0
Fairbanks [2]	455	5	63	982.7	1,000.7	----	−.4	−7.4	30	3	7	−24	19	−8	28	2,024	0	98	.15	−.4	.07	6	3.1	nw.	11	sw.	4	6	3	22	7.3	3.3	10.9	0
Juneau [2]	80	6	30	999.3	1,002.4	----	35.2	+8.0	44	22	38	25	7	32	11	922	32	86	4.36	−.3	.68	25	10.8	se.	34	se.	23	1	0	30	9.1	6.6	.0	0
Nome [2]	22	10	75	1,000.3	1,000.9	----	7.8	+.3	33	5	13	−28	29	2	23	1,775	6	92	.77	−.3	.22	12	11.9	n.	45	n.	31	6	3	22	7.2	8.0	13.7	0
Barrow	29	5	27	1,011.9	1,012.2	----	−6.6	+5.1	12	27	−1	−23	30	−12	25	2,217	−8	92	.09	−.2	.03	6	14.3	ne.	29	ne.	17	1	7	23	7.8	.6	14.5	0
Bethel [2]	28	5	31	996.6	998.0	----	10.4	+3.3	38	3	15	−26	29	5	21	1,705	10	92	.83	0	.20	20	10.2	ne.	36	------	31	3	3	25	8.1	4.5	4.0	0
Cordova [2]	45	5	32	994.2	995.9	----	33.8	+9.1	46	1	39	15	28	29	19	964	32	90	8.38	+2.1	1.48	25	----	e.	--	------	--	2	2	27	8.6	28.6	6.5	0
Galena	139	4	66	993.9	998.6	----	3.0	------	32	6	9	−24	27	−3	23	1,923	−5	80	.93	------	.11	21	----	n.	30	e.	3	0	8	23	8.4	15.6	21.0	0
Gambell	32	5	32	1,003.7	1,005.1	----	2.2	−6.2	33	5	6	−18	28	−2	15	1,947	2	98	1.08	+.4	----	11	23.0	n.	43	n.	16	7	2	22	7.0	11.6	11.2	0
Ketchikan	25	69	90	------	------	----	39.0	+3.7	48	27	43	29	26	35	16	809	----	----	18.00	+2.1	2.82	29	----	se.	31	se.	22	0	2	29	9.1	12.2	.0	0
Kotzebue [2]	20	5	31	1,002.4	1,002.7	----	2.8	+6.6	30	6	8	−31	26	−3	38	1,930	0	82	.40	+.1	.07	16	13.1	ne.	38	e.	3	2	7	22	7.5	4.0	11.8	0
McGrath [2]	341	5	31	985.4	999.0	----	2.4	+.9	33	6	9	−27	25	−4	26	1,940	2	90	1.86	+.6	.98	18	----	w.	16	n.	30	0	2	29	9.3	23.9	24.1	0
Northway [2]	1,718	5	32	938.7	1,004.4	----	−5.9	+7.8	18	5	2	−30	26	−13	25	2,199	−8	86	.61	+.3	.19	11	1.2	e.	9	e.	29	2	4	25	8.4	7.0	17.1	0

[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.