CLIMATOLOGICAL DATA FOR SEPTEMBER 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 tables 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	76.9	+1.2	Geneva	102	2	2 stations	37	29	2.61	−0.73	Bay Minette	13.68	Anniston	0.09
Arizona	76.4	+3.6	Gila Bend	116	2	Alpine	24	13	.72	−.61	Rimrock	3.09	7 stations	.00
Arkansas	76.0	+1.7	Conway	112	1	Harrison	36	23	3.28	−.05	Oden	7.50	Osceola	.70
California	70.1	+2.3	Cow Creek	120	2	Bridgeport Dam	18	18	.10	−.32	Huntington Lake	1.48	99 stations	.00
Colorado	62.0	+3.9	Eads	107	3	Fraser	13	15	1.07	−.29	Summetville	4.13	3 stations	.00
Florida	79.2	−.2	3 stations	98	[1] 2	Niceville	42	30	10.52	+3.77	St. Lucie Lock No. 2	22.27	Compass Lake	2.42
Georgia	75.8	+.4	Camilla	101	2	Clayton	31	28	3.37	−.26	Folkston	14.80	Tallapoosa	.19
Idaho	57.7	+.6	Kooskia	104	2	Barton Flat	9	14	1.52	+.44	Potlatch	5.18	3 stations	T
Illinois	68.2	+.4	2 stations	102	[1] 4	Marengo	28	30	3.53	−.14	Keithsburg	6.34	Chillicothe	1.75
Indiana	67.6	+.4	Plymouth	99	9	Waterloo	28	27	3.98	+.68	La Porte	9.22	Jeffersonville	1.22
Iowa	67.6	+3.2	2 stations	104	[1] 4	Decorah	21	26	2.10	−1.92	Columbus Junction	6.37	Audubon	.30
Kansas	74.0	+4.2	Lincoln	117	3	Burr Oak	30	15	1.40	−1.43	Garnett	9.22	Dodge City	.01
Kentucky	70.1	−.3	Mayfield	103	8	4 stations	33	[1] 23	3.04	+.14	Farmers	6.73	Scottsville	1.09
Louisiana	79.3	+1.3	Minden	107	1	2 stations	41	[1] 29	4.14	+.09	Pearl River	8.76	Lake Charles	1.19
Maryland-Delaware	68.2	+.4	Keedysville, Md	95	[1] 14	Oakland, Md	22	27	2.98	−.38	Lewes, Del	5.43	Williamsport, Md	.60
Michigan	61.7	+1.3	4 stations	94	[1] 5	Watersmeet	16	25	4.48	+1.27	Welleston	8.11	Ann Arbor	1.10
Minnesota	59.0	.0	2 stations	102	8	3 stations	18	[1] 25	2.87	−.01	Virginia	9.41	2 stations	.87
Mississippi	77.3	+1.4	Bay Springs	105	[1] 4	Kipling	38	29	3.48	+.39	Poplarville	10.77	Duck Hill	.52
Missouri	71.9	+2.6	2 stations	109	[1] 3	Black (near)	31	23	3.83	−.21	Nevada	7.96	Tarkio	.69
Montana	55.1	−.1	Garland	102	7	Cut Bank	16	19	1.87	+.48	Loweth	4.95	Glendive	.08
Nebraska	67.1	+2.7	2 stations	112	3	Merriman	25	15	1.71	−.36	Dodge	6.83	Sedan	.20
Nevada	65.1	+3.6	Overton	115	[1] 1	2 stations	19	[1] 18	.19	−.22	Kimberly	1.25	21 stations	.00
New England	61.0	+.7	2 stations	93	[1] 7	Dorset, Vt	15	27	2.76	−1.01	Mansfield, Mass	7.01	Hanover, N. H	.78
New Jersey	67.0	+1.1	Burlington	95	14	Layton	19	28	2.68	−1.10	Rutherford	4.39	Charlotteburg	1.19
New Mexico	67.1	+2.6	Orogrande	106	[1] 4	Eagle Nest	22	15	.48	−1.26	Chama	3.10	13 stations	.00
New York	62.4	+1.1	West Point	95	7	Roxbury	15	28	2.80	−.71	Canton	6.00	Smiths Basin	.58
North Carolina	71.3	+.3	2 stations	100	[1] 1	Transou	23	28	5.68	+1.61	Greenville	15.86	Cullowhee	1.16
North Dakota	55.5	−1.2	2 stations	101	5	Wishek	13	22	1.45	−.12	Fessenden	5.42	Marmarth	.26
Ohio	66.2	+.5	2 stations	95	11	Millport	25	27	3.37	+.45	Jackson	5.91	New Lexington	1.20
Oklahoma	77.3	+3.1	Alba	115	3	2 stations	31	[1] 15	2.04	−1.15	Wister Dam	6.31	3 stations	.00
Oregon	59.3	+1.4	Drain	104	21	Fremont	10	19	.86	−.32	Valsetz	3.89	Crescent Lake	.00
Pennsylvania	64.2	.0	Phoenixville	95	20	Hawley	17	28	2.35	−1.08	Graterford	5.21	Huntingdon	.24
South Carolina	74.8	+.3	Walhalla	102	2	Caesars Head	35	28	4.76	+.67	Beaufort	11.32	Pelzer	1.34
South Dakota	62.7	+1.2	Fairfax	110	6	Pollock	16	22	1.18	−.37	Arlington	3.74	Custer	.02
Tennessee	72.7	+1.2	3 stations	103	[1] 7	Greenville	29	28	1.96	−1.10	Jacks Creek	5.06	Nashville Airport	.47
Texas	78.7	+1.4	Henrietta	113	[1] 4	2 stations	36	15	1.11	−1.88	Mount Pleasant	8.15	8 stations	.00
Utah	63.0	+2.2	St. George	107	4	Woodruff	13	14	.90	−.11	Riverdale	3.51	7 stations	.00
Virginia	68.6	.0	Columbia	100	4	Monterey	23	23	4.31	+1.07	Cardinal	11.09	Winchester	1.24
Washington														
West Virginia	66.6	+.3	Charleston	99	3	2 stations	20	27	3.52	+.55	Cairo	8.11	Inwood	.97
Wisconsin	61.8	+1.5	Menomonie	96	9	Solon Springs	12	30	3.75	+.03	2 stations	6.70	Bayfield	1.07
Wyoming	57.8	+3.0	Morrisey	101	2	Bondurant	9	15	1.14	−.02	Northeast Entrance	3.16	Newcastle	.12
Alaska (August)	50.8	−1.9	Seward	84	7	Puntilla	14	30	3.45	−.08	Little Port Walter	18.32	Candle	.10
Hawaii	75.2	+.3	Kaanapali	91	[1] 1	Haleakala R. S	41	19	5.88	+.18	Kahana	24.69	Umumehame	.00
Puerto Rico	78.8	+.4	Guayama	97	12	Dos Bocas	54	14	8.04	−.27	Rio Blanco (1800′)	19.70	San Francisco (No. 3)	2.22

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR SEPTEMBER 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							61.8	+1.5										81	2.77	-.4											5.1			
Eastport	75	67	82	1,017.3	1,020.0	+3.1	57.8	+2.0	86	10	66	35	28	50	28	239	50	80	2.07	-.7	.63	8	9.1	sw.	28	s.	22	10	9	11	5.5	0.0	0.0	1
Greenville, Maine	1,069	4	41	981.0	1,020.7	+2.4	54.8	-.4	88	7	68	22	29	42	38	337	49	87	2.85	-.9	.77	10	4.2	sw.	20	----	22	6	15	9	----	T	.0	1
Portland, Maine [2]	103	6	43	1,016.6	1,020.3	+2.7	59.4	+1.5	91	12	71	27	29	48	35	223	52	80	1.73	-1.4	1.13	6	8.4	s.	34	s.	2	13	7	10	4.7	.0	.0	1
Concord [2]	289	5	45	1,010.5	1,021.3	+3.3	59.6	+1.6	89	12	74	21	28	46	43	236	52	81	2.50	-1.0	1.52	6	5.7	se.	30	nw.	30	11	10	9	5.3	.0	.0	2
Burlington [2]	403	6	51	1,005.4	1,020.3	+3.4	61.8	+1.5	90	12	74	26	28	50	34	206	52	77	2.50	-1.0	.99	10	9.8	s.	35	s.	22	11	10	9	5.1	T	.0	3
Boston [2]	124	33	62	------	1,021.3	+3.7	64.8	+1.6	88	12	73	37	28	56	29	----	----	72	3.95	+.8	2.71	6	10.6	sw.	32	sw.	22	16	5	9	----	.0	.0	2
Nantucket [2]	12	4	34	1,021.0	1,021.7	+4.1	63.6	+.8	82	13	72	35	29	55	27	139	58	86	3.02	+.6	.66	7	11.4	ne.	31	sw.	2	10	12	8	5.2	.0	.0	2
Block Island	26	11	46	1,020.0	1,021.0	+3.4	65.0	+1.6	81	13	71	43	27	59	23	115	60	84	2.80	+.1	1.36	6	12.6	s.	37	n.	30	14	6	10	4.9	.0	.0	1
Providence [2]	159	65	60	1,015.6	1,021.7	+4.1	65.4	+2.2	90	13	76	33	28	55	30	133	55	82	2.96	-.2	1.64	5	7.4	sw.	32	sw.	2	14	8	8	4.8	.0	.0	3
Hartford [2]	159	5	44	1,015.6	1,021.3	+3.3	63.7	+2.0	88	13	75	30	28	52	32	158	56	83	2.97	-.5	1.31	7	6.7	s.	29	s.	22	9	11	10	5.6	.0	.0	4
New Haven [2]	107	5	39	1,017.6	1,021.3	+3.3	64.4	+2.6	86	13	74	33	27	55	32	142	56	80	3.10	-.1	1.37	8	6.5	n.	26	sw.	15	13	8	9	4.9	.0	.0	5
MIDDLE ATLANTIC							68.9	+1.6										80	3.14	.00											5.6			
Albany [2]	97	6	40	1,016.9	1,020.7	+3.1	63.4	+2.2	94	12	76	24	28	59	39	185	54	80	1.60	-1.2	.45	7	8.3	s.	30	w.	22	9	13	8	5.5	.0	.0	4
New York	314	415	454	1,010.5	1,021.7	+3.7	68.4	+1.6	87	13	76	41	30	61	28	105	58	76	2.69	-.7	.69	10	12.0	s.	41	nw.	30	10	14	6	5.3	.0	.0	6
Harrisburg [2]	374	30	49	1,008.1	1,021.7	+3.4	66.8	+1.0	90	14	77	32	28	57	31	125	56	76	1.35	-1.7	.51	6	7.1	se.	26	sw.	22	8	12	10	5.6	.0	.0	3
Philadelphia [4]	114	174	150	1,013.8	1,021.3	+3.0	69.2	+1.2	89	13	77	40	27	62	26	95	60	83	2.91	-.2	1.31	9	7.8	s.	24	nw.	30	9	13	8	5.6	.0	.0	4
Reading	323	47	306	1,009.8	1,021.3	+3.0	67.3	+.7	90	13	77	34	28	58	33	119	----	---	3.28	+.1	.97	10	9.6	se.	34	w.	4	9	9	12	5.7	.0	.0	4
Scranton	805	72	104	992.2	1,021.0	+2.7	64.5	+1.6	89	13	75	30	28	54	33	162	----	---	1.82	-1.4	.86	5	6.0	n.	31	nw.	22	5	18	7	5.3	.0	.0	3
Atlantic City	52	37	172	1,019.0	1,020.7	+2.7	69.4	+2.6	88	19	75	41	27	63	27	87	62	80	2.57	-.1	.87	10	15.2	e.	38	ne.	19	10	10	10	5.4	.0	.0	3
Trenton	190	89	107	1,014.6	1,021.3	+3.3	67.3	+.4	89	15	76	36	27	59	29	120	----	---	1.90	-1.5	.55	9	8.2	n.	29	nw.	16	9	12	9	5.5	.0	.0	5
Baltimore [4]	123	100	215	1,016.6	1,021.0	+3.0	70.0	+1.5	94	4	78	41	27	62	26	87	60	76	3.54	+.2	1.55	8	9.9	sw.	29	nw.	30	10	12	8	5.5	.0	.0	5
Washington [4]	112	56	100	------	1,021.3	+3.3	70.4	+2.3	94	4	80	40	27	61	30	87	----	77	3.70	+.5	1.14	11	6.7	n.	25	sw.	15	10	9	11	----	.0	.0	2
Cape Henry	18	8	54	1,019.3	1,020.0	+2.4	74.4	+2.6	94	5	80	52	27	69	26	23	67	82	4.53	+1.7	2.38	11	15.2	n.	42	n.	22	12	8	10	5.3	.0	.0	4
Lynchburg	686	5	58	996.3	1,021.0	+2.4	68.4	+.5	92	1	78	39	28	59	30	99	60	83	2.96	-.4	1.96	8	7.6	n.	29	n.	24	8	13	9	5.7	.0	.0	5
Norfolk [4]	91	80	125	1,016.9	1,020.3	+2.0	74.5	+2.9	94	5	81	52	27	68	27	30	65	81	4.01	+.8	1.82	10	10.5	ne.	30	ne.	25	3	16	11	6.4	.0	.0	5
Richmond [4]	144	11	52	1,014.9	1,020.0	+1.7	71.2	+.7	95	4	81	41	27	61	28	77	62	84	7.03	+3.8	4.92	12	7.1	ne.	22	n.	22	7	15	8	5.7	.0	.0	7
SOUTH ATLANTIC							74.8	+1.9										83	8.55	+4.4											5.7			
Asheville	2,253	77	92	942.1	1,020.3	+1.7	68.4	+3.4	91	5	79	37	29	58	35	80	60	84	1.85	-1.2	.57	8	7.0	se.	23	se.	27	6	15	9	5.7	.0	.0	7
Charlotte [4]	779	63	86	991.9	1,019.6	+1.6	73.6	+2.1	95	5	83	41	28	64	26	53	62	78	4.71	+1.7	3.89	9	7.2	ne.	19	ne.	24	7	15	8	5.7	.0	.0	4
Greensboro [2]	886	6	56	989.2	1,021.0	+2.7	71.1	+1.3	95	5	82	37	28	60	34	72	62	83	13.26	+10.0	7.49	11	8.4	ne.	30	n.	24	8	13	9	5.7	.0	.0	4
Hatteras	11	5	47	1,018.3	1,018.6	+1.3	76.6	+2.1	87	6	81	57	30	72	17	2	70	86	7.10	+2.5	4.22	14	12.8	ne.	36	ne.	25	2	15	13	6.5	.0	.0	8
Raleigh [4]	376	5	71	1,006.1	1,019.6	+1.6	72.4	+1.3	95	5	82	41	28	63	28	57	63	86	12.53	+8.9	5.64	16	6.8	ne.	20	ne.	24	6	13	11	6.1	.0	.0	7
Wilmington	72	73	107	1,016.3	1,018.6	+1.0	75.1	+2.0	93	4	83	50	28	67	24	14	68	87	11.99	+7.5	3.46	17	8.7	ne.	38	sw.	24	7	13	10	5.8	.0	.0	12
Charleston [4]	48	11	92	1,015.9	1,018.0	+1.1	77.2	+.6	94	3	84	54	28	70	22	4	68	88	10.18	+5.6	4.68	15	11.4	n.	38	ne.	24	12	7	11	5.6	.0	.0	8
Columbia, S. C. [4]	347	70	91	1,006.1	1,018.6	+1.0	75.8	+1.3	99	4	86	45	28	66	29	32	66	80	3.58	+.1	1.83	12	8.8	ne.	32	w.	15	11	11	8	5.1	.0	.0	5
Greenville, S. C. [2]	1,040	18	36	982.7	1,019.3	+1.7	73.8	+3.2	96	2	83	44	28	64	29	42	62	76	2.88	-.8	1.02	8	10.2	ne.	34	ne.	24	5	16	9	5.8	.0	.0	6
Augusta [4]	182	62	77	1,011.9	1,018.6	+1.7	76.8	+1.5	97	2	86	47	28	67	31	22	64	76	4.72	+1.4	2.07	6	6.4	ne.	22	nw.	15	10	14	6	5.1	.0	.0	7
Savannah [2]	65	19	51	1,015.2	1,017.6	+1.0	77.4	+3.1	96	2	86	52	28	69	26	5	69	84	14.00	+8.6	6.65	11	10.3	ne.	33	ne.	23	6	14	10	5.8	.0	.0	9
Jacksonville [4]	43	86	110	1,015.2	1,016.6	+.3	78.8	+.5	95	2	86	58	30	72	21	0	70	84	15.80	+8.4	7.56	12	9.4	ne.	32	e.	17	8	10	12	5.9	.0	.0	6
FLORIDA PENINSULA							80.7	-.3										84	11.14	+3.9											6.6			
Key West [4]	21	10	64	1,012.2	1,012.9	-1.0	82.5	+.3	91	12	88	71	29	78	15	0	74	80	6.72	.0	1.87	17	10.4	e.	42	w.	17	1	21	8	6.1	.0	.0	8
Miami	25	242	249	1,012.5	1,013.5	-1.4	79.9	-1.0	89	13	84	70	28	76	12	0	74	85	13.65	+5.0	5.75	21	15.4	e.	73	w.	17	0	16	14	7.0	.0	.0	8
Tampa [2]	35	5	36	1,013.2	1,014.6	-.3	79.6	-.3	93	9	87	62	30	72	21	0	72	86	13.04	+6.6	4.04	18	9.2	ne.	43	s.	23	4	12	14	6.7	.0	.0	16
EAST GULF							77.4	+1.4										79	3.94	-.3											4.9			
Atlanta [2]	1,173	33	72	977.3	1,018.0	+.7	75.0	+2.2	96	1	85	44	28	65	28	23	62	72	1.35	-1.7	.85	5	9.8	ne.	31	e.	23	9	15	6	5.3	.0	.0	4
Macon [4]	370	79	87	1,004.7	1,018.0	+1.1	76.4	+1.6	97	2	86	47	23	67	34	19	64	76	1.12	-2.1	.52	7	6.7	ne.	24	nw.	15	9	11	10	5.4	.0	.0	6
Thomasville	273	48	----	1,008.1	1,018.0	+1.7	77.2	+.4	96	6	86	51	28	68	30	5	----	---	4.74	-.1	1.98	7	----	------	--	------	---	---	---	---	----	.0	.0	3
Apalachicola	35	11	51	1,014.6	1,015.9	+.3	78.6	+.1	92	12	85	58	28	72	20	0	70	81	6.88	-1.2	4.70	11	10.6	ne.	54	se.	19	13	10	7	4.8	.0	.0	10
Pensacola [4]	56	54	79	1,014.2	1,016.3	+.4	78.9	+.9	94	13	86	56	30	72	27	0	70	82	12.93	+7.6	6.77	8	9.4	ne.	61	se.	19	16	8	6	4.1	.0	.0	6
Anniston	618	6	32	997.0	1,019.0	+2.1	75.6	+1.5	97	4	88	42	28	63	35	16	64	80	.10	-3.6	.07	2	----	ne.	--	------	--	9	13	8	5.2	.0	.0	8
Birmingham [2]	700	5	63	993.2	1,018.0	+.7	76.3	+3.1	95	1	87	49	28	66	35	8	64	76	.36	-3.0	.28	4	8.9	e.	33	e.	18	8	12	10	5.5	.0	.0	4
Mobile [4]	57	86	161	1,014.6	1,016.6	+1.0	78.6	+.5	96	1	87	55	29	71	24	0	68	84	6.90	+1.9	3.07	11	9.1	n.	43	e.	19	11	14	5	4.6	.0	.0	9
Montgomery [4]	218	92	105	1,009.5	1,017.3	+.7	78.2	+1.9	97	3	88	50	28	69	27	4	66	76	.87	-2.1	.59	5	7.0	ne.	24	e.	19	13	8	9	4.7	.0	.0	4
Meridian [4]	375	67	92	1,004.1	1,017.3	.0	76.8	+2.3	100	4	87	47	29	66	33	9	66	80	3.58	+.6	2.02	10	6.6	n.	31	e.	19	13	8	9	5.0	.0	.0	6
Vicksburg [4]	247	82	102	1,007.8	1,016.6	.0	77.0	+.7	98	7	87	48	23	67	27	5	66	84	4.88	+2.0	3.03	6	8.7	n.	32	ne.	19	16	9	5	4.0	.0	.0	5
New Orleans	53	76	84	1,014.2	1,016.3	+.7	80.6	+1.4	96	3	88	60	28	73	19	0	70	76	3.56	-1.5	2.96	8	7.1	ne.	45	ne.	19	9	12	9	5.4	.0	.0	6
WEST GULF							79.6	+2.0										71	2.01	-1.6											3.4			
Shreveport [2]	249	5	64	1,007.5	1,016.3	+.4	78.9	+3.0	104	3	91	49	24	67	35	2	61	72	3.52	+.7	2.39	6	8.5	n.	43	e.	7	21	4	5	3.4	.0	.0	5
Fort Smith [2]	463	6	30	1,000.0	1,015.9	+.3	77.1	+3.1	106	6	91	48	23	64	40	5	61	66	4.89	+1.9	2.15	6	7.8	ne.	29	e.	20	19	5	6	3.3	.0	.0	6
Little Rock [2]	357	26	58	1,004.4	1,017.3	+1.0	75.8	+1.7	106	1	88	48	23	64	36	11	62	69	2.96	-.2	1.81	6	8.0	sw.	36	s.	20	19	6	5	3.2	.0	.0	7
Austin [2]	605	10	41	994.9	1,016.3	+1.7	79.7	+1.4	99	1	92	53	24	68	32	0	63	65	.07	-3.3	.04	2	8.3	s.	26	ne.	22	19	10	1	3.0	.0	.0	2
Brownsville [2]	57	5	54	1,012.5	1,014.6	+2.1	82.2	+1.6	104	20	92	61	24	72	31	0	70	73	2.34	-3.5	1.31	8	9.2	se.	32	ne.	22	10	16	4	4.7	.0	.0	8
Corpus Christi [2]	20	6	33	1,014.9	1,015.6	+1.7	81.6	+3.0	102	21	92	58	24	71	30	0	69	76	1.06	------	.85	6	9.3	se.	25	se.	10	14	13	3	3.9	.0	.0	4
Dallas [2]	512	3	45	998.3	1,016.3	+1.1	79.2	+1.8	103	2	90	52	24	68	34	0	64	68	3.98	+1.3	2.04	6	8.7	s.	42	w.	11	24	2	4	2.3	.0	.0	
Fort Worth [2]	679	40	56	992.6	1,016.3	+1.4	79.2	+3.3	102	1	90	53	23	68	28	0	62	64	2.81	+.3	2.13	5	10.0	s.	33	nw.	20	23	4	3	2.4	.0	.0	4
Galveston [4]	54	122	129	1,014.2	1,016.3	+1.4	80.9	+.8	94	1	86	62	23	76	17	0	71	78	1.48	-4.1	.84	5	10.9	s.	27	ne.	22	13	14	3	4.0	.0	.0	5
Houston [4]	138	157	190	1,011.2	1,015.9	+1.0	81.0	+2.0	99	1	90	58	24	72	29	0	68	76	.83	-3.2	.34	4	8.3	s.	29	nw.	1	11	14	5	4.4	.0	.0	5
Palestine	510	64	72	999.0	1,016.6	+1.0	78.4	+1.4	100	1	88	51	24	68	28	1	64	66	1.74	-1.2	1.08	4	6.6	s.	24	se.	9	18	8	4	3.2	.0	.0	1
Port Arthur [4]	34	59	134	1,014.6	1,015.9	+1.0	80.6	+1.1	98	1	89	56	23	72	27	0	68	80	.45	-4.4	.50	6	11.3	s.	34	n.	19	17	11	2	3.3	.0	.0	5
San Antonio [2]	693	8	51	991.5	1,015.9	+1.7	80.4	+1.4	101	1	93	51	24	67	37	0	63	63	.06	-3.0	.06	1	8.2	se.	26	se.	10	15	13	2	3.8	.0	.0	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR SEPTEMBER 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																																		
							69.4	+1.8										77	2.41	−0.6											4.9			
Chattanooga [2]	762	6	66	991.5	1,018.3	+.7	74.6	+6.4	98	1	87	38	29	62	41	23	62	72	1.37	−0.7	.85	5	7.4	s.	28	s.	21	6	15	9	5.9	.0	.0	9
Knoxville [2]	995	27	71	984.1	1,019.6	+1.6	73.0	+3.6	94	1	84	42	29	62	32	38	60	73	1.37	−1.3	1.08	4	7.7	ne.	37	w.	15	9	17	4	5.2	.0	.0	5
Memphis [2]	399	5	49	1,003.4	1,017.3	+.7	75.8	+3.9	102	7	88	45	23	63	38	14	61	70	.62	−2.2	.40	6	7.8	e.	28	nw.	21	15	10	5	3.8	.0	.0	3
Nashville [2]	546	5	72	999.0	1,018.6	+.6	73.6	+1.8	99	7	87	44	23	60	40	27	58	70	.47	−3.0	.29	5	8.2	n.	34	sw.	21	12	9	9	4.8	.0	.0	3
Lexington [2]	989	4	58	984.1	1,020.0	+1.7	68.2	−.3	94	5	79	38	23	57	33	104	58	80	2.65	−.4	.97	7	----	s.	--	------	--	12	11	7	4.7	.0	.0	7
Louisville [2]	525	5	54	1,000.3	1,019.3	+1.3	69.8	+.8	94	8	82	40	28	58	38	82	58	74	2.86	+.1	1.11	10	7.0	n.	30	sw	12	12	13	5	4.7	.0	.0	7
Evansville [2]	431	6	40	1,003.4	1,019.0	+1.7	69.4	+1.7	94	8	82	39	23	57	36	81	60	80	3.39	+.1	1.29	8	7.8	s.	34	s.	21	16	6	8	4.1	.0	.0	5
Indianapolis [2]	823	5	54	989.2	1,019.0	+1.4	66.4	+1.0	91	11	77	36	30	56	34	125	58	79	3.45	------	1.32	8	8.7	se.	33	nw.	11	12	9	9	4.9	.0	.0	7
Terre Haute [2]	575	4	36	998.6	1,019.3	+2.0	67.6	−.7	92	8	80	34	23	56	37	114	58	80	3.89	+.3	1.39	9	8.7	s.	32	n.	21	14	8	8	4.6	.0	.0	8
Cincinnati [4]	627	135	448	997.3	1,020.3	+2.3	70.3	+3.2	94	11	80	42	27	61	30	84	58	77	2.03	−.6	.97	6	4.3	se.	25	nw.	21	11	11	8	5.0	.0	.0	3
Columbus [4]	822	90	110	990.9	1,020.3	+2.3	68.0	+1.5	89	20	78	39	27	58	27	112	58	81	3.67	+1.1	1.46	9	8.3	s.	40	sw.	12	10	12	8	4.8	.0	.0	5
Dayton [2]	1,003	6	55	984.1	1,020.3	+2.7	66.2	+.3	89	11	76	37	30	56	28	131	56	79	2.66	−.2	1.31	9	8.8	s.	38	sw.	21	11	10	9	5.0	.0	.0	6
Elkins [2]	1,947	5	45	952.9	1,021.7	+2.4	63.4	+1.5	86	4	76	28	30	51	38	161	56	87	4.06	+.9	1.34	9	5.7	se.	34	nw.	5	4	16	10	5.9	.0	.0	7
Parkersburg	637	77	84	997.6	1,020.7	+2.1	68.0	+.7	90	20	78	37	28	58	31	110	58	78	2.18	−.6	.79	7	5.6	se.	26	nw.	21	9	12	9	5.5	.0	.0	3
Pittsburgh [2]	842	39	54	990.5	1,020.7	+2.4	66.3	+1.6	89	11	77	36	30	56	30	131	54	74	1.52	−1.1	.56	8	8.9	s.	31	nw.	15	9	14	7	5.1	.0	.0	5
LOWER LAKES																																		
							64.6	+2.4										79	3.14	+.1											5.0			
Buffalo [2]	768	34	96	992.2	1,020.3	+3.0	64.0	+2.4	91	6	74	32	23	54	32	168	54	78	2.11	−.8	.73	7	11.6	s.	40	nw.	21	7	13	10	5.6	.0	.0	3
Canton	448	10	61	1,003.7	1,019.6	+3.0	59.8	+1.0	87	6	71	27	26	49	32	242	51	78	6.00	+2.6	1.74	14	7.0	w.	29	sw.	21	10	12	8	5.4	.0	.0	5
Oswego	335	71	85	1,008.1	1,020.7	+3.4	63.4	+1.9	88	11	72	32	28	55	28	167	52	72	2.35	−.4	1.06	7	8.8	s.	26	n.	30	15	11	4	4.2	.0	.0	3
Rochester [2]	523	4	69	1,001.4	1,020.3	+2.7	63.8	+3.3	91	13	75	28	28	53	34	173	54	81	2.84	+.4	1.03	9	7.9	sw.	25	w.	2	7	14	9	5.3	.0	.0	4
Syracuse [2]	596	5	57	999.0	1,020.7	+2.7	63.4	+3.1	90	12	75	25	28	52	38	182	54	79	2.14	−.6	.71	10	8.9	sw.	40	s.	21	8	14	8	5.5	T	.0	4
Erie [4]	714	57	81	994.2	1,020.3	+2.7	66.7	+3.1	90	11	74	41	28	59	28	118	56	82	3.65	+.3	1.57	7	7.9	se.	21	s.	21	10	13	7	4.8	.0	.0	3
Cleveland [2]	762	27	54	992.2	1,019.6	+1.6	66.6	+2.8	89	11	77	33	27	56	32	127	56	78	2.51	−.8	1.12	8	9.4	s.	42	nw.	21	11	9	10	5.2	.0	.0	1
Sandusky	629	5	67	997.0	1,020.0	+2.0	67.1	+1.8	91	11	77	38	27	57	33	114	----	---	2.98	.0	1.09	11	7.8	s.	26	nw.	21	16	7	7	4.0	.0	.0	3
Toledo [2]	628	5	47	997.0	1,020.3	+2.3	65.0	+1.9	90	11	76	34	30	54	34	156	56	82	2.65	−.2	1.15	9	9.4	sw.	36	nw.	21	10	9	11	5.3	.0	.0	5
Fort Wayne [2]	857	5	34	988.5	1,019.6	+2.0	65.6	+2.5	92	11	77	32	30	54	32	154	56	79	3.41	+.4	1.05	7	8.0	s.	33	s.	21	11	10	9	4.9	.0	.0	7
Detroit [2]	730	5	77	993.6	1,020.0	+2.0	65.4	+3.0	90	11	75	35	26	56	28	150	56	78	3.96	+1.1	1.79	11	8.7	s.	33	n.	21	9	10	11	5.3	.0	.0	2
UPPER LAKES																																		
							60.9	+1.8										80	3.85	+.6											5.5			
Alpena	609	5	89	996.6	1,019.3	+2.0	59.6	+2.0	84	11	68	32	25	51	25	234	52	82	3.93	+1.0	2.15	12	10.3	nw.	30	nw.	29	5	13	12	6.3	T	.0	5
Escanaba	612	51	72	995.6	1,018.0	+1.4	58.8	+1.7	81	6	66	27	25	52	25	233	52	82	2.75	−.6	.69	12	10.7	s.	30	n.	7	9	11	10	5.6	.0	.0	6
Grand Rapids [4]	707	70	244	993.2	1,019.0	+1.7	65.8	+3.1	90	6	76	33	25	56	26	161	55	80	5.75	+2.2	3.13	10	10.5	s.	34	sw.	13	12	9	9	5.1	.0	.0	7
Lansing [4]	878	5	90	987.5	1,019.6	+2.0	62.4	+1.0	85	9	72	30	25	53	28	197	54	77	4.75	+1.8	2.07	10	7.2	s.	21	sw.	21	9	9	12	5.4	.0	.0	4
Marquette	734	44	73	990.5	1,018.0	+1.7	58.3	+.8	90	9	66	33	25	50	26	270	50	80	4.12	+.9	.86	16	8.9	s.	28	sw.	23	7	9	14	6.2	.6	.0	8
Sault Sainte Marie [2]	614	10	52	995.9	1,018.6	+1.7	56.4	+2.4	90	6	66	25	25	47	33	310	50	86	3.44	−.1	1.21	14	10.8	nw.	35	sw.	14	3	11	16	7.0	T	.0	3
Chicago [2]	673	5	38	994.2	1,018.6	+1.3	66.7	+1.8	95	3	77	35	23	56	31	139	54	74	3.26	+.1	1.57	9	8.6	s.	30	n.	22	13	9	8	4.5	.0	.0	7
Green Bay	617	5	32	995.6	1,018.3	+2.0	62.0	+1.6	88	9	71	30	25	53	28	205	53	77	2.97	−.6	.94	12	7.8	s.	26	nw.	21	11	9	10	5.1	.0	.0	5
Milwaukee [2]	681	33	66	993.6	1,018.6	+1.7	63.9	+2.9	90	19	73	35	30	55	30	179	54	78	6.03	+2.7	2.71	6	11.8	s.	32	sw.	16	10	13	7	4.9	.0	.0	6
Duluth [4]	1,133	5	47	976.0	1,017.6	+2.0	55.3	+.2	90	5	63	29	30	47	29	336	46	84	1.53	−1.8	.48	15	11.7	ne.	34	ne.	17	12	10	8	5.1	.0	.0	7
NORTH DAKOTA																																		
							56.2	−.8										68	1.84	+.3											5.6			
Fargo [2]	940	5	47	981.7	1,015.9	+1.0	57.7	−.5	99	5	70	24	22	46	43	281	46	72	2.28	+.1	1.13	10	12.8	n.	40	w.	14	11	9	10	5.5	.0	.0	4
Bismarck [2]	1,677	5	41	956.3	1,016.6	+1.7	57.0	−.3	93	2	71	25	22	44	53	275	43	66	1.50	+.3	.60	8	11.2	nw.	40	nw.	14	11	8	11	5.4	.0	.0	3
Devils Lake	1,478	11	44	963.1	1,016.9	+2.3	55.0	−.9	94	5	67	25	24	43	44	339	42	69	2.95	+1.3	1.66	9	9.0	w.	27	nw.	14	10	8	12	5.6	.0	.0	4
Williston	1,878	42	50	949.2	1,016.3	+2.1	55.2	−1.4	87	2	67	27	24	43	45	316	42	67	.63	−.5	.21	7	8.0	se.	34	w.	13	7	12	11	5.9	.0	.0	4
UPPER MISSISSIPPI																																		
							67.7	+2.8										72	3.02	−.7											4.6			
Minneapolis-St. Paul [2]	919	43	74	983.1	1,016.3	+1.1	63.1	+1.7	95	9	74	32	25	53	32	198	52	73	1.48	−1.6	.54	13	10.5	se.	32	w.	14	10	11	9	4.9	.0	.0	6
La Crosse [2]	714	5	29	991.2	1,016.9	+1.0	63.2	+1.8	92	9	74	27	30	53	33	200	54	77	4.17	+.2	1.22	10	8.4	s.	28	nw.	21	11	11	8	5.1	.0	.0	9
Madison [2]	974	27	39	983.1	1,018.3	+1.7	64.3	+2.9	94	3	76	28	30	53	36	177	54	76	3.92	+.2	2.01	8	9.9	s.	28	n.	21	11	12	7	5.0	.0	.0	4
Charles City	1,015	10	51	981.0	1,017.6	+1.3	64.4	+3.4	93	9	75	31	26	54	32	171	----	---	1.49	−2.2	.48	6	6.3	s.	37	s.	9	14	7	9	4.4	.0	.0	5
Moline [2]	606	6	50	995.9	1,018.6	+1.7	68.2	+4.3	96	3	80	35	30	57	32	117	54	69	5.13	+1.6	4.55	5	9.4	s.	27	sw.	16	12	10	8	4.8	.0	.0	6
Des Moines [4]	860	5	99	-------	1,017.3	+1.4	69.4	+3.8	100	8	81	38	30	58	35	103	53	62	.58	−3.1	.32	6	9.7	se.	29	sw.	10	12	11	7	----	.0	.0	4
Dubuque	699	60	79	992.6	1,018.0	+1.4	66.8	+2.8	92	3	77	34	30	57	32	142	55	73	2.22	−1.8	.89	7	5.4	s.	23	nw.	4	15	9	6	4.5	.0	.0	3
Burlington [2]	702	4	36	992.6	1,018.0	+1.1	68.6	+2.2	97	4	81	36	30	56	34	107	56	74	4.66	+.2	4.37	5	10.2	s.	31	w.	4	12	11	7	4.6	.0	.0	5
Cairo	357	5	99	1,005.4	1,018.0	+1.4	73.2	+.7	98	8	83	45	23	63	30	43	----	---	2.40	−.5	1.15	6	8.3	ne.	28	n.	21	16	8	6	3.9	.0	.0	6
Peoria [2]	609	7	26	996.3	1,018.6	+1.3	68.2	+4.9	93	3	79	38	23	57	31	109	54	71	2.49	−1.5	1.35	6	9.1	se.	26	sw.	14	15	7	8	4.5	.0	.0	6
Springfield, Ill. [4]	636	5	191	995.6	1,018.3	+1.7	70.3	+2.7	96	3	81	40	30	60	31	80	56	76	5.03	+1.4	2.62	6	11.2	s.	32	n.	21	14	10	6	4.3	.0	.0	6
St. Louis [2]	568	33	59	997.6	1,018.0	+.7	72.4	+1.9	97	8	83	43	30	62	31	56	----	64	2.64	−.8	1.79	5	11.8	s.	34	s.	21	18	5	7	----	.0	.0	5
MISSOURI VALLEY																																		
							69.8	+3.6										62	2.24	−1.0											4.5			
Columbia, Mo. [4]	784	6	66	989.5	1,017.6	+1.0	72.8	+3.4	103	8	85	43	23	61	36	50	54	62	3.34	−1.0	2.76	5	7.2	s.	26	se.	21	19	7	4	3.7	.0	.0	3
Kansas City [2]	963	38	76	989.5	1,016.5	+.9	73.8	+4.9	109	3	85	43	30	63	35	41	54	55	4.01	−.2	3.21	5	11.0	sw.	37	sw.	10	13	12	5	4.2	.0	.0	3
St. Joseph [2]	967	5	51	982.1	1,016.3	+.7	72.0	+3.6	107	3	85	40	30	59	37	55	56	64	1.57	−2.4	.82	6	7.8	s.	24	nw.	21	18	7	5	3.9	.0	.0	6
Springfield, Mo. [2]	1,324	5	50	970.9	1,017.6	+1.0	71.9	+3.5	104	7	84	42	23	60	35	44	56	67	4.69	+1.2	2.19	7	11.6	s.	37	n.	21	16	10	4	3.9	.0	.0	4
Topeka [4]	987	65	87	981.4	1,016.3	+.4	73.9	+5.2	110	3	86	43	30	61	39	39	56	63	1.11	−2.7	.81	4	9.5	s.	25	sw.	10	13	12	5	4.2	.0	.0	2
Lincoln [4]	1,189	6	81	973.2	1,015.6	+.7	71.0	+4.6	101	3	83	39	25	58	38	84	52	60	1.72	−1.3	1.00	6	9.9	s.	29	s.	9	13	10	7	4.3	.0	.0	5
Omaha [2]	1,105	5	68	977.0	1,016.3	+.7	69.7	+4.0	100	8	82	38	25	58	36	88	54	64	.79	−2.4	.47	8	11.6	s.	32	s.	10	15	7	8	4.4	.0	.0	6
Valentine	2,598	46	54	925.2	1,016.3	+1.1	63.8	+1.3	101	5	79	35	25	49	47	140	43	55	.74	−.6	.51	5	8.9	n.	29	nw.	14	12	10	8	5.2	.0	.0	4
Sioux City [2]	1,138	5	40	976.3	1,015.9	+.7	66.2	+3.7	101	8	79	33	25	53	42	142	52	64	2.25	−.8	1.85	8	9.9	se.	33	sw.	9	13	9	8	5.0	.0	.0	5
Huron [2]	1,301	5	41	968.8	1,015.6	+.4	62.6	+1.3	101	3	77	27	22	48	51	182	47	64	2.21	+.6	1.06	8	11.8	se.	41	se.	27	7	12	11	6.0	.0	.0	8
NORTHERN SLOPE																																		
							59.3	+2.2										59	1.32	+.2											5.8			
Billings [2]	3,570	16	39	893.3	1,016.3	+.4	59.3	−.9	93	2	71	41	19	48	43	214	42	60	1.39	------	.47	9	11.2	sw.	45	nw.	15	6	12	12	6.0	T	.0	0
Havre	2,507	11	67	928.2	1,017.3	+2.4	56.8	+.4	93	2	68	32	19	45	42	286	40	60	1.74	+.4	.95	9	9.4	sw.	40	nw.	13	3	12	15	7.1	.0	.0	0
Helena [2]	4,124	5	43	876.4	1,018.3	+3.1	56.0	+.6	94	2	69	28	19	43	52	283	40	64	3.05	+1.8	1.32	10	8.6	w.	42	nw.	13	5	12	13	6.4	5.3	.0	2
Missoula [2]	3,263	4	32	904.8	1,018.6	+2.3	55.8	+2.3	87	4	69	28	14	43	46	282	42	65	1.70	+.4	1.18	9	6.1	se.	33	nw.	13	8	8	14	6.1	T	.0	2
Kalispell	2,973	48	56	914.3	1,017.3	+2.4	54.4	+.9	86	4	66	31	14	43	41	318	43	68	.99	−.2	.31	8	5.5	w.	20	nw.	13	9	8	13	6.1	T	.0	0
Miles City [2]	2,371	5	28	932.6	1,016.5	+.9	59.9	------	101	7	73	36	25	47	48	210	39	54	.31	------	.27	3	----	w.	--	------	--	8	10	12	6.2	.0	.0	1
Rapid City [2]	3,259	5	56	903.2	1,015.9	+.3	62.1	+1.9	98	7	77	33	15	47	45	164	40	52	.31	−.9	.11	4	14.2	nw.	49	nw.	13	8	10	12	5.7	.0	.0	7
Cheyenne [2]	6,094	22	40	816.8	1,015.2	+.6	60.6	+3.6	92	2	76	33	14	46	43	175	39	52	.78	−.4	.40	8	9.8	nw.	35	n.	14	10	9	11	5.4	.0	.0	9
Lander [2]	5,352	6	30	837.8	1,015.9	+1.0	60.6	+4.9	92	2	76	32	14	45	44	180	38	50	.63	−.3	.35	4	8.0	sw.	37	sw.	5	15	11	4	3.8	T	.0	5
Sheridan [2]	3,790	5	38	886.2	1,016.3	+.7	60.2	+3.9	98	7	74	34	14	46	44	201	40	56	1.89	+.6	1.33	7	8.2	nw.	39	w.	3	10	10	10	5.4	T	.0	3
North Platte [4]	2,821	11	51	917.7	1,015.2	.0	66.4	+4.3	101	2	81	36	15	52	42	113	49	64	1.77	+.4	1.34	5	7.0	n.	24	ne.	24	9	13	8	5.4	.0	.0	5

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR SEPTEMBER 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																																		
							73.5	+4.7										54	0.96	−1.1											3.9			
Denver [4]	5,292	106	113	841.2	1,015.6	+1.0	67.6	+4.7	94	2	80	39	15	55	43	73	40	46	.54	−.4	.40	5	7.2	s.	26	ne.	13	10	14	6	5.1	.0	.0	4
Pueblo [2]	4,690	5	36	859.5	1,015.2	+1.3	68.4	+3.8	98	3	86	35	15	51	51	49	42	48	.45	−.3	.44	3	8.2	w.	34	n.	14	12	13	5	4.5	.0	.0	7
Concordia	1,392	50	58	966.5	1,015.2	.0	73.8	+5.5	112	3	86	42	30	61	38	49	51	51	.13	−2.5	.06	4	9.6	s.	22	sw.	17	14	12	4	3.7	.0	.0	3
Dodge City [2]	2,509	5	58	928.9	1,015.2	+.3	74.0	+4.6	106	3	88	44	15	60	39	19	51	52	.01	−1.9	.01	1	17.5	se.	45	n.	14	17	9	4	3.9	.0	.0	4
Wichita [2]	1,358	52	64	968.2	1,015.6	+.7	75.4	+4.8	108	3	88	46	23	63	37	17	52	53	.25	−2.8	.11	4	15.9	s.	36	s.	9	19	8	3	3.7	.0	.0	3
Oklahoma City [4]	1,214	10	47	973.6	1,015.9	+.7	78.2	+5.4	106	6	90	52	23	66	30	0	60	63	2.43	−.6	.99	4	8.6	s.	20	w.	9	22	5	3	2.5	.0	.0	3
Tulsa [2]	674	10	60	992.2	1,015.9	-----	76.9	+4.0	107	4	89	48	23	64	40	7	60	66	3.90	+.8	2.19	5	10.9	s.	38	sw.	11	17	8	5	3.8	.0	.0	4
SOUTHERN SLOPE																																		
							76.4	+3.7										49	.57	−2.0											2.9			
Abilene [2]	1,738	4	59	955.6	1,015.2	+1.0	79.2	+5.4	105	2	92	54	23	66	34	0	54	48	.31	−2.4	.29	2	12.6	s.	31	n.	11	18	9	3	3.1	.0	.0	3
Amarillo [2]	3,676	5	42	892.1	1,015.0	+.1	74.0	+6.2	102	2	90	43	15	58	46	11	48	46	.24	−2.1	.24	1	14.9	s.	43	n.	14	20	8	2	2.9	.0	.0	1
Del Rio	960	63	71	981.7	1,014.6	+1.7	80.4	+1.2	102	2	92	57	24	69	33	0	61	58	1.34	−1.6	1.34	1	7.1	se.	21	e.	12	18	7	5	3.4	.0	.0	1
Roswell	3,566	75	85	894.0	1,015.2	+1.7	72.2	+1.9	98	3	89	46	30	55	47	3	44	44	.39	−1.7	.38	2	8.1	s.	33	n.	14	24	6	0	2.2	.0	.0	3
SOUTHERN PLATEAU																																		
							78.2	+4.3										41	.39	−.6											3.2			
El Paso [2]	3,778	36	85	888.3	1,013.2	+2.0	76.4	+4.1	97	3	90	55	29	63	35	0	42	34	.02	−1.2	.02	1	8.3	se.	40	sw.	8	23	6	1	2.3	.0	.0	1
Albuquerque [2]	4,972	5	45	841.5	1,013.9	+2.0	72.6	+4.7	95	3	86	51	13	59	33	0	40	36	.67	−.2	.44	5	8.8	sw.	34	se.	15	22	7	1	2.3	.0	.0	4
Flagstaff	6,907	34	48	795.8	1,018.6	+6.4	62.1	+4.9	90	2	80	35	13	45	48	102	39	52	.64	−1.1	.36	4	----	w.	--	-----	--	6	20	4	5.0	.0	.0	6
Phoenix [4]	1,107	39	87	972.2	1,010.2	+1.7	87.4	+4.7	112	2	101	67	29	73	36	0	52	37	.39	−.4	.20	2	6.6	e.	26	se.	6	20	5	5	3.4	.0	.0	3
Tucson [2]	2,555	5	31	925.5	1,011.5	+3.0	83.0	+3.3	105	4	97	63	8	69	34	0	51	39	.47	−.7	.21	3	----	se.	--	-----	--	14	8	8	4.2	.0	.0	8
Yuma	142	9	54	1,004.4	1,009.1	+1.3	88.0	+4.3	115	1	103	66	13	73	39	0	60	46	.17	−.2	.16	2	4.8	s.	18	w.	17	24	3	3	2.1	.0	.0	1
MIDDLE PLATEAU																																		
							64.4	+3.2										40	.26	−.4											2.9			
Reno [2]	4,527	20	52	864.2	1,016.3	+3.1	61.4	+3.4	97	1	84	27	20	39	60	136	34	44	T	−.3	T	0	7.1	s.	29	sw.	6	21	9	0	2.1	.0	.0	0
Winnemucca	4,339	5	56	870.0	1,016.3	+1.7	61.4	+2.2	97	4	83	26	19	40	56	151	28	32	.04	−.4	.03	2	7.5	ne.	30	sw.	16	20	10	0	2.6	.0	.0	2
Modena	5,473	10	46	836.1	1,014.2	+1.7	64.2	+4.2	92	2	82	34	15	46	52	89	----	---	.01	−.8	.01	1	10.9	sw.	38	s.	17	23	7	0	2.4	.0	.0	2
Salt Lake City [2]	4,357	32	58	869.3	1,015.6	+2.4	65.0	+2.3	98	2	80	36	20	50	44	110	40	46	1.01	.0	.91	5	9.4	se.	34	s.	2	16	9	5	3.6	.0	.0	4
Grand Junction [2]	4,602	5	26	862.2	1,015.2	+1.7	70.0	+3.8	94	2	84	42	15	56	38	27	38	36	.26	−.7	.24	3	9.7	se.	46	s.	30	15	11	4	3.8	.0	.0	13
NORTHERN PLATEAU																																		
							61.6	+1.3										53	1.00	+.3											4.8			
Baker [4]	3,471	36	54	898.1	1,018.3	+2.0	58.4	+2.4	93	1	75	26	19	42	47	224	37	59	.66	−.1	.33	7	5.8	s.	30	sw.	25	12	13	5	4.6	.0	.0	4
Boise [2]	2,739	5	49	921.1	1,015.9	+1.3	62.8	+1.6	97	2	78	34	19	48	40	136	38	45	.80	+.3	.43	4	9.0	se.	34	nw.	13	14	12	4	4.2	.0	.0	3
Pocatello [2]	4,478	5	31	865.6	1,017.3	+3.1	60.4	+1.1	96	2	77	32	20	44	48	181	35	44	.99	+.2	.98	3	8.6	sw.	42	sw.	13	16	11	3	3.9	.0	.0	4
Spokane [2]	1,929	6	51	948.9	1,017.6	+2.7	59.0	−.2	89	2	72	37	14	46	38	200	44	60	1.57	+.7	.89	6	6.3	ne.	28	n.	13	9	4	17	6.2	.0	.0	3
Walla Walla	991	57	65	981.0	1,016.6	+1.7	66.0	+2.2	94	1	78	37	18	54	36	74	----	---	1.10	+.2	.41	7	4.9	w.	18	sw.	9	13	9	8	4.7	.0	.0	3
Yakima [2]	1,076	4	54	978.3	1,017.3	+2.1	62.7	+.9	91	22	80	34	18	46	47	116	45	59	.86	+.3	.36	6	----	w.	--	-----	--	10	11	9	5.0	.0	.0	2
NORTH PACIFIC COAST																																		
							61.0	+1.7										73	.97	−1.3											5.2			
North Head	211	5	55	1,011.2	1,018.6	+2.0	58.4	+1.9	92	21	64	46	19	53	32	220	52	84	1.84	−1.2	1.27	9	12.1	n.	43	s.	8	9	8	13	5.8	.0	.0	0
Seattle [4]	125	90	321	1,014.2	1,018.6	+2.0	61.0	+.7	79	1	69	44	18	53	24	127	52	76	.81	−1.0	.53	5	7.2	n.	25	nw.	17	6	11	13	6.2	.0	.0	0
Tacoma	194	172	201	1,011.5	1,018.3	+1.7	59.7	+2.4	81	22	68	42	18	52	27	166	----	---	1.14	−1.0	.47	4	6.7	n.	25	sw.	9	12	11	7	4.9	.0	.0	2
Tatoosh Island	86	5	61	1,015.9	1,019.3	+2.7	54.2	+1.2	68	22	59	45	18	49	17	319	50	89	1.49	−3.2	.53	11	11.0	s.	36	s.	3	9	8	13	6.1	.0	.0	0
Medford [2]	1,329	29	58	969.5	1,016.6	+2.0	65.3	+1.8	95	23	84	35	20	46	55	64	44	55	.16	−.5	.09	4	----	s.	--	-----	--	17	10	3	3.1	.0	.0	0
Portland, Oreg. [4]	154	68	106	1,012.5	1,018.3	+2.4	65.2	+3.5	92	21	75	46	19	55	36	67	52	69	.96	−1.0	.56	6	5.3	nw.	16	nw.	13	12	6	12	5.3	.0	.0	1
Roseburg	510	45	76	999.7	1,018.3	+2.4	63.1	+.2	96	21	77	39	19	49	53	97	49	66	.41	−.9	.16	6	3.6	n.	18	n.	13	12	10	8	4.8	.0	.0	1
MIDDLE PACIFIC COAST																																		
							67.7	+2.9										58	.18	−.4											3.0			
Eureka	66	72	88	1,015.9	1,018.3	+2.0	57.6	+1.7	80	21	63	46	17	52	24	230	52	82	.59	−.4	.53	4	5.3	nw.	20	n.	19	8	14	8	5.2	.0	.0	0
Red Bluff [2]	353	5	26	1,000.0	1,012.5	-----	77.5	+4.4	104	12	94	51	17	61	42	6	36	27	.15	−.6	.14	3	7.1	nw.	26	nw.	2	25	3	2	2.1	.0	.0	0
Sacramento [4]	66	92	115	1,010.5	1,012.9	+1.0	74.3	+5.0	100	12	90	46	19	58	39	8	48	48	T	−.4	T	0	6.5	s.	22	sw.	16	27	3	0	1.2	.0	.0	0
San Francisco [6]	155	112	132	1,009.1	1,014.9	+1.4	61.4	+.5	92	20	68	51	14	54	36	136	52	77	T	−.4	T	0	9.8	w.	30	w.	17	18	9	3	3.5	.0	.0	0
SOUTH PACIFIC COAST																																		
							73.4	+3.7										62	.09	−.1											2.9			
Fresno [2]	327	5	34	1,000.7	1,011.9	+.7	77.0	+5.0	105	2	96	47	19	58	44	2	48	43	T	−.2	T	0	5.5	nw.	22	nw.	2	24	4	2	1.9	.0	.0	0
Los Angeles	338	236	263	1,001.4	1,013.5	+1.3	72.2	+3.2	96	1	83	55	19	62	31	1	58	67	.09	−.1	.09	1	5.1	w.	17	w.	26	19	9	2	2.8	.0	.0	0
San Diego [2]	87	20	55	1,010.2	1,013.5	+1.6	71.1	+2.9	89	15	79	58	19	63	28	0	61	75	.18	+.1	.11	2	6.2	nw.	15	n.	11	12	16	2	3.9	.0	.0	
WEST INDIES																																		
San Juan, P. R.	82	9	54	1,011.9	1,014.6	+35.9	79.8	−.7	87	29	84	72	3	75	12	0	73	82	3.86	−2.0	.88	18	8.4	e.	27	e.	4	2	13	15	7.3	.0	.0	1
ALASKA																																		
Anchorage [2]	132	6	44	1,005.1	1,010.2	-----	47.2	−.6	63	16	54	24	20	41	28	532	41	78	4.28	+1.7	1.22	22	5	n.	26	s.	16	2	4	24	8.4	.4	.0	0
Fairbanks [2]	454	5	63	993.9	1,011.2	-----	41.2	−2.5	64	14	52	11	20	30	37	714	32	72	1.73	+.4	0.47	13	5	nw.	19	sw.	17	4	5	21	7.4	2.8	2.7	2
Juneau [2]	80	6	32	1,011.9	1,014.9	-----	49.5	−.2	64	16	55	33	6	44	30	463	46	86	11.09	+4.0	1.67	24	7	e.	31	se.	10	1	2	27	8.8	.0	.0	0
Nome [2]	22	9	75	1,011.9	1,011.9	-----	39.0	−2.7	56	8	46	23	30	32	23	777	34	84	1.78	−.9	.79	10	13	n.	36	n.	16	4	7	19	7.2	.7	.0	0
Barrow	29	12	31	1,011.7	1,012.2	-----	31.6	+.8	41	3	34	20	30	29	13	1,004	30	92	.06	−.4	.02	6	13	ne.	32	w.	20	0	0	30	9.1	.7	.6	0
Bethel [2]	38	5	31	1,009.3	1,010.8	-----	42.0	−3.2	56	10	48	25	25	36	24	696	37	82	1.52	−1.5	.56	13	10	nw.	40	s.	16	2	7	21	8.1	T	.0	0
Cordova [2]	48	5	32	1,008.8	1,010.5	-----	48.0	−.3	64	15	54	33	20	42	31	508	46	90	22.77	+9.8	7.43	26	----	e.	--	-----	--	1	1	28	9.0	0	.0	0
Gambell	32	5	32	1,013.2	1,014.2	-----	37.6	−3.3	46	2	40	29	18	35	10	822	34	84	.87	−1.0	----	10	16	n.	48	n.	7	2	5	23	8.0	.1	.0	----
Ketchikan	20	69	90	1,016.9	1,017.6	-----	54.6	+.9	66	23	59	43	4	50	19	311	50	86	18.73	+6.6	5.42	19	6	se.	26	se.	10	1	4	25	8.6	.0	.0	0
Kotzebue [2]	16	4	31	1,011.5	1,011.9	-----	38.3	−2.2	54	7	44	22	30	33	19	801	34	81	1.27	+.3	----	13	12	nw.	34	w.	1	6	5	19	6.9	.2	.0	----
McGrath [2]	338	4	28	1,010.8	1,010.8	-----	40.6	−3.3	56	1	49	19	20	32	26	731	35	78	2.79	+.3	1.01	13	----	w.	35	s.	17	1	4	25	8.2	T	.0	0
Northway [2]	1,721	4	31	948.5	1,011.9	-----	40.3	−1.9	63	1	49	20	20	32	31	741	34	77	2.06	+.3	.78	13	5	w.	23	nw.	18	0	3	27	8.7	3.0	.0	0
HAWAII																																		
Honolulu [4]	38	86	98	1,014.9	1,016.3	-----	78.6	+.4	85	22	83	71	12	74	12	0	68	72	2.23	+1.0	1.09	13	8	ne.	21	ne.	2	4	18	8	6.0	0	.0	0

[1] Height of barometer cistern above mean sea level on January 1, 1900, or when station was first established after that date. 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 elevation according to note [1].

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

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

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

[6] Bihourly hygrometric data.

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