CLIMATOLOGICAL DATA FOR OCTOBER 1947

CONDENSED GLIMATOLOGICAL 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	70.2	+5.4	2 stations	92	[1] 9	Valley Head	36	31	1.80	−1.09	St. Bernard	5.54	Melvin	0.37
Arizona	63.0	+1.4	do	107	11	2 stations	13	[1] 23	1.12	+.25	Pinedale	5.72	10 stations	.00
Arkansas	68.3	+5.4	Newport	95	14	Harrison	35	29	3.72	+.55	Grannis	8.37	Rogers	1.05
California	60.1	−.3	Greenland Ranch	109	5	Bridgeport Dam	16	30	2.89	+1.60	Squaw Creek R. S.	17.49	3 stations	.00
Colorado	51.1	+4.1	Las Animas	98	1	Dillon	1	26	1.89	+.68	Hawthorne	5.16	Troy	.01
Florida	74.8	+.4	2 stations	92	[1] 14	Compass Lake	49	31	6.88	+4.74	Dania	25.62	Sarasota City	1.51
Georgia	68.2	+3.2	West Point	92	18	Blairsville	31	31	4.53	+1.85	Folkston	12.02	West Point	.35
Idaho	49.8	+2.5	2 stations	90	4	Barton Flat	10	24	2.78	+1.25	Wallace	9.68	Mud Lake	.11
Illinois	63.6	+7.7	do	92	[1] 15	Marengo	28	1	3.14	+.50	East St. Louis	7.57	Moline Ap.	.88
Indiana	62.5	+7.3	Madison	92	[1] 16	Bluffton	28	1	2.30	−.45	Winchester	4.45	Notre Dame	.92
Iowa	61.6	+9.0	Monroe	95	6	Hawarden	26	29	3.75	+1.44	Mount Ayr	7.61	Davenport	.86
Kansas	65.8	+8.3	St. Francis	104	5	2 stations	25	[1] 24	1.29	−.69	La Cygne	5.02	Coldwater	.09
Kentucky	64.3	+5.8	2 stations	92	[1] 13	Headquarters	27	1	2.20	−.43	Mayfield	5.34	Pikesville	.32
Louisiana	73.4	+4.8	Leesville	96	16	2 stations	40	[1] 1	1.83	−1.41	Amite	5.84	Atchafalaya	T
Maryland-Delaware	61.9	+5.5	Keedysville, Md	94	23	Oakland, Md	17	1	1.54	−1.49	Ocean City, Md	4.79	Western Port, Md	.73
Michigan	57.7	+8.9	2 stations	90	15	Cadillac	17	1	1.08	−1.61	Howell	3.94	Rudyard	.00
Minnesota	55.4	+8.7	3 stations	93	5	2 stations	22	[1] 8	1.61	−.23	Winnebago	3.96	Grand Marais	.30
Mississippi	70.7	+5.1	Europa	96	20	Vicksburg Ap.	38	29	1.80	−.76	Yazoo City	4.88	Rio	.16
Missouri	65.1	+7.2	Anderson	94	5	Tarkio	29	29	3.83	+.87	Vichy	7.87	Granby	.83
Montana	49.1	+3.9	Crow Agency	91	20	2 stations	13	[1] 24	1.33	+.24	Heron	6.91	Hays	T
Nebraska	59.6	+7.7	Gothenburg	104	5	Harrison	21	23	1.19	−.27	Winside	3.79	Lexington	.62
Nevada	53.1	+2.4	Overton	103	4	2 stations	9	[1] 25	.66	+.01	Lamoille	2.83	Willow Springs	.00
New England	55.6	+6.0	2 stations	91	17	do	13	25	1.37	−2.09	New Bedford, Mass.	4.55	Rumford, Maine (Coop.).	.04
New Jersey	60.4	+5.7	Hammonton	89	21	Layton	18	25	2.06	−1.56	Toms River	4.10	Millville	.31
New Mexico	57.3	+3.5	Hatch	99	4	Selsor Ranch	9	26	.71	−.45	Santa Clara R. S.	2.95	8 stations	.00
New York	57.0	+6.9	Elmira	90	16	Roxbury	14	25	1.34	−1.97	Spencertown	4.29	Gabriels	.20
North Carolina	63.8	+3.7	3 stations	89	[1] 11	Boone	25	1	5.32	+2.03	Mount Mitchell	18.71	Elizabeth City, C. G.	1.00
North Dakota	51.2	+7.0	Oakes	97	5	Belcourt	15	28	1.31	+.30	Selfridge	4.69	Crosby	.17
Ohio	61.3	+7.5	Sidney	90	16	Millport	22	1	1.67	−.85	Kenton	3.96	2 stations	.29
Oklahoma	69.6	+6.9	Alva	103	5	Kenton	25	25	1.90	−1.09	Tipton	6.37	Woodward	.02
Oregon	51.0	+1.2	2 stations	90	3	Sod House	13	22	5.38	+3.8	Valsetz	28.33	Sod House	.66
Pennsylvania	58.6	+5.9	Marcus Hook	93	21	Somerset	17	1	1.34	−1.90	Mount Pocono	4.01	Corry	.38
South Carolina	67.2	+3.5	Miley	90	[1] 10	Walhalla	34	31	4.53	+1.62	Pelzer	13.53	Cheraw	1.33
South Dakota	56.3	+7.4	Mardo	103	19	McLaughlin	15	27	1.83	+.63	McLaughlin	4.03	Wood	.16
Tennessee	65.9	+6.0	Centerville	92	13	Rugby	30	[1] 30	2.70	−.10	Kenton	9.08	Lynnville	.55
Texas	73.4	+5.7	Throckmorton	104	5	2 stations	32	[1] 24	1.24	−1.45	Roscoe	8.47	3 stations	.00
Utah	52.4	+3.2	Zion National Park	97	4	Woodruff	8	24	1.83	+.63	Rice Canyon	4.38	Gallao	.22
Virginia	61.9	+4.4	Fredericksburg	94	23	Monterey	19	1	2.97	.00	Rocky Knob	10.47	Gordonsville	.33
Washington	50.0	.0	Richland	86	3	Stockdill Ranch	21	22	7.39	+4.38	Wishkah Headworks	27.36	Wenatchee	1.79
West Virginia	60.6	+5.8	McNeill	92	23	Canaan Valley	14	2	1.48	−1.35	Spruce Knob	4.01	Stony River Dam	.55
Wisconsin	57.8	+9.3	Wisconsin Rapids	91	21	2 stations	17	1	1.57	−.82	Prairie du Chien	3.76	Flambeau Reservoir	.40
Wyoming	49.7	+5.8	Hampshire	98	1	Verse	5	23	1.21	+.11	Middle Fork	3.17	Foxpark	T
Alaska (Sept.)	42.2	−1.8	2 stations	70	[1] 6	2 stations	4	[1] 20	4.53	+.91	Little Port Walter	26.53	Barrow	.07
Hawaii	75.2	+.3	Kaanapali	91	[1] 1	Haleakala R. S.	41	19	5.88	+.18	Kahana	24.69	Ukumehame	.00
Puerto Rico	78.9	+1.0	Dos Bocas	98	25	Garzas (2)	58	[1] 7	8.67	+.68	Maricao	22.01	Central San Francisco	1.51

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR OCTOBER 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 heating 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							57.2	+6.4										80	1.34	-1.9											3.9			
Eastport	75	67	82	1,015.2	1,018.0	+2.1	53.6	+6.1	78	7	62	35	25	46	26	360	43	74	.19	-3.4	0.09	3	9.8	sw.	32	nw.	23	17	7	7	4.0	0.0	0.0	2
Greenville, Maine	1,069	4	41	979.7	1,019.6	+2.3	49.4	+4.9	82	18	64	18	25	35	45	488	39	82	.66	-2.9	.53	6	4.5	n.	26	----	23	13	12	6	----	.0	.0	0
Portland, Maine [2]	103	6	43	1,015.2	1,019.3	+2.0	58.3	+8.3	87	7	69	34	25	47	37	245	43	76	.26	-2.9	.26	1	8.2	sw.	27	nw.	23	20	5	6	3.6	.0	.0	0
Concord [2]	289	5	45	1,009.5	1,020.0	+2.7	55.2	+7.4	89	17	72	16	25	38	51	312	40	72	.59	-2.3	.39	4	5.9	nw.	35	nw.	23	19	4	8	3.8	.0	.0	1
Burlington [2]	403	6	51	1,004.4	1,019.3	+2.4	56.4	+7.2	85	17	69	23	25	44	39	293	45	77	.88	-2.1	.44	5	7.9	s.	30	nw.	23	14	12	5	4.2	.0	.0	0
Boston [2]	124	33	62	1,015.6	1,020.2	+2.9	61.6	+8.0	89	17	72	38	1	52	36	164	48	71	1.13	-2.0	.66	3	10.9	sw.	40	ne.	31	16	6	9	4.0	.0	.0	0
Nantucket [2]	12	4	34	1,020.0	1,020.7	+3.1	58.9	+2.7	73	18	65	33	25	49	30	254	52	90	1.13	-2.3	.71	4	11.8	sw.	43	e.	31	17	5	9	4.3	.0	.0	0
Block Island	26	11	46	1,019.3	1,020.3	+2.7	59.6	+4.7	74	21	65	40	1	54	19	174	54	86	3.28	-.3	1.79	4	13.9	sw.	48	ne.	31	18	4	9	3.8	.0	.0	0
Providence [2]	159	65	60	1,014.6	1,020.3	+2.7	61.4	+9.2	88	17	72	36	25	51	34	165	48	82	2.27	-.8	1.29	3	7.9	sw.	27	ne.	31	20	3	8	3.5	.0	.0	1
Hartford [2]	159	5	44	1,014.9	1,020.7	+2.7	57.8	+6.6	85	23	72	26	25	44	39	238	48	84	2.10	-1.4	1.12	4	7.3	s.	24	nw.	23	17	7	7	4.2	.0	.0	0
New Haven [2]	107	5	39	1,016.9	1,020.7	+2.4	57.5	+5.7	82	23	68	30	25	46	32	244	49	82	2.30	-1.0	1.12	4	5.9	sw.	22	ne.	31	19	1	11	4.0	.0	.0	1
MIDDLE ATLANTIC							62.7	+6.4										82	1.79	-1.2											4.7			
Albany [2]	97	6	40	1,016.6	1,020.0	+2.4	57.0	+7.7	88	16	72	20	25	42	46	262	44	80	2.30	-.1	1.48	5	7.2	s.	32	w.	23	16	8	7	3.8	.0	.0	1
Binghampton [4]	871	57	79	980.2	1,021.0	+2.7	58.4	+8.4	84	16	73	29	1	44	44	207	45	86	.80	-2.2	.61	4	4.5	ne.	18	w.	23	18	7	6	3.8	.0	.0	1
New York [4]	314	415	454	1,009.8	1,021.0	+3.0	63.2	+6.9	85	23	71	38	1	55	31	105	52	76	2.32	-1.2	1.33	7	10.6	sw.	41	n.	23	14	7	10	4.5	.0	.0	1
Harrisburg [2]	374	30	49	1,007.5	1,021.3	+2.3	61.3	+6.5	86	23	73	34	25	50	38	139	48	74	.72	-2.2	.51	4	5.5	se.	16	n.	23	14	6	11	4.9	.0	.0	0
Philadelphia [4]	114	174	150	1,016.6	1,021.0	+2.0	64.2	+6.4	87	21	73	39	1	55	29	90	52	81	2.55	-.3	2.29	5	6.5	s.	20	ne.	31	16	6	9	4.4	.0	.0	1
Reading	323	47	306	1,009.1	1,021.0	+2.0	62.6	+7.2	86	23	74	34	25	51	34	121	----	---	1.88	-1.2	1.04	6	7.5	se.	30	n.	23	16	6	9	4.1	.0	.0	2
Scranton	805	72	104	991.5	1,020.7	+2.1	59.0	+7.1	84	16	72	31	25	46	38	194	----	---	1.70	-1.3	1.15	5	4.7	n.	20	nw.	23	21	4	6	3.1	.0	.0	1
Atlantic City	52	37	172	1,018.6	1,020.7	+2.1	63.0	+6.1	85	21	69	37	1	57	26	95	57	85	2.29	-.9	1.04	4	13.3	e.	49	ne.	31	12	6	13	5.2	.0	.0	0
Trenton	190	89	107	1,013.9	1,020.7	+2.4	61.9	+6.3	85	23	72	37	1	51	34	134	----	---	2.64	-.1	2.34	5	6.8	s.	30	n.	23	16	5	10	4.4	.0	.0	2
Baltimore [4]	123	100	215	1,016.6	1,021.0	+2.4	64.8	+6.6	91	23	74	36	1	56	35	82	53	76	1.20	-1.7	.94	5	7.9	s.	25	sw.	28	8	11	12	5.3	.0	.0	1
Washington [4]	112	56	100	1,016.9	1,021.0	+2.0	65.0	+7.6	90	23	76	36	1	54	37	77	56	80	1.31	-1.5	1.25	3	5.6	s.	18	ne.	24	12	5	14	5.5	.0	.0	1
Cape Henry	18	8	54	1,019.0	1,019.6	+1.3	66.2	+4.1	82	23	71	42	2	61	23	44	60	86	.75	-2.3	.31	6	12.4	ne.	33	ne.	24	11	9	11	5.1	.0	.0	0
Lynchburg [2]	686	5	58	995.6	1,020.7	+1.4	61.9	+4.7	85	21	72	34	1	52	38	130	54	84	3.13	.0	.65	12	8.0	n.	26	ne.	24	11	8	12	5.4	.0	.0	2
Norfolk [4]	91	80	125	1,016.9	1,020.3	+1.3	67.4	+4.9	87	23	74	43	2	61	27	38	58	86	1.47	-1.6	.87	5	9.4	ne.	23	ne.	24	10	8	13	5.8	.0	.0	1
Richmond [4]	144	11	52	1,014.6	1,020.0	+0.7	64.6	+5.0	87	23	74	36	2	55	37	79	56	87	1.81	-1.1	.83	10	6.3	ne.	18	n.	31	10	4	17	5.9	.0	.0	1
SOUTH ATLANTIC							67.9	+4.3										86	5.36	+2.1											5.9			
Asheville	2,253	77	92	940.7	1,019.6	-.4	61.2	+5.9	82	21	71	38	31	52	36	126	53	85	3.39	+.6	1.34	10	7.1	se.	27	se.	16	10	5	16	6.2	.0	.0	1
Charlotte [4]	779	63	86	991.2	1,019.3	.0	65.8	+4.1	85	18	74	42	2	58	28	53	56	84	5.69	+2.7	1.56	13	6.4	ne.	20	n.	14	10	5	16	6.0	.0	.0	5
Greensboro [2]	886	6	56	988.5	1,020.3	+.7	63.6	+5.1	85	22	74	32	2	53	40	94	56	90	2.54	-.5	.88	11	7.8	ne.	24	ne.	14	10	5	16	6.0	.0	.0	3
Hatteras	11	5	47	1,017.6	1,018.0	.0	70.2	+4.3	79	16	75	52	2	66	15	20	66	89	9.71	+4.8	4.20	11	10.5	ne.	34	ne.	14	10	7	14	5.7	.0	.0	5
Raleigh [4]	376	5	71	1,005.8	1,019.3	+.3	66.2	+4.2	86	19	76	37	2	57	33	56	58	92	2.86	.0	.69	13	6.1	ne.	16	sw.	19	8	10	13	6.0	.0	.0	5
Wilmington	72	73	107	1,015.6	1,018.0	-.6	69.4	+4.1	85	19	77	45	2	62	27	26	62	88	6.19	+2.9	1.92	10	8.2	ne.	23	n.	14	14	5	12	5.2	.0	.0	3
Charleston [4]	48	11	92	1,015.2	1,016.9	-1.4	71.0	+3.2	83	19	76	51	2	66	21	8	62	88	3.53	+.3	1.25	17	11.2	ne.	42	ne.	15	8	11	12	5.6	.0	.0	6
Columbia, S. C. [4]	347	70	91	1,005.4	1,018.0	-1.0	68.8	+4.5	88	18	77	47	2	60	27	18	59	84	2.00	-.6	.83	12	8.3	ne.	26	ne.	15	9	8	14	5.8	.0	.0	3
Greenville, S. C. [2]	1,040	18	36	981.4	1,018.6	.0	65.0	+4.8	82	18	73	47	30	57	28	54	56	82	5.04	+1.9	1.59	11	10.3	ne.	34	ne.	15	6	10	15	6.2	.0	.0	2
Augusta [4]	182	62	77	1,010.8	1,017.6	-.7	69.7	+4.4	88	18	78	51	31	61	31	12	59	80	5.17	+2.7	1.90	14	5.7	ne.	19	ne.	15	8	10	13	5.7	.0	.0	4
Savannah [2]	65	19	51	1,013.9	1,016.3	-1.7	70.8	+5.1	87	18	78	52	2	63	25	7	64	88	4.65	+1.7	1.35	10	9.7	ne.	77	ne.	15	5	14	12	6.2	.0	.0	5
Jacksonville [4]	43	86	110	1,014.2	1,015.9	-1.4	73.1	+2.0	87	19	80	60	31	66	20	0	66	88	13.50	+9.0	4.69	17	8.6	e.	36	ne.	6	5	14	12	6.4	.0	.0	8
LOWER LAKES							59.7	+8.4										79	1.39	-1.5											4.0			
Buffalo [2]	768	34	96	991.9	1,020.3	+2.7	59.8	+8.7	85	16	71	34	1	49	32	189	49	78	.66	-2.6	.33	6	10.8	s.	29	sw.	13	16	8	7	4.0	.0	.0	1
Canton	448	10	61	1,003.1	1,019.0	+2.4	55.6	+8.1	80	17	67	26	25	44	37	306	44	74	.46	-2.6	.21	6	7.7	w.	24	sw.	6	17	8	6	3.9	.0	.0	2
Oswego	335	71	85	1,007.8	1,020.3	+3.0	58.5	+8.2	82	7	67	36	24	50	29	219	46	72	.70	-2.6	.40	5	7.7	se.	29	n.	23	18	4	9	3.7	.0	.0	0
Rochester [2]	523	4	69	1,001.0	1,020.0	+2.0	59.4	+9.9	85	17	72	32	10	47	41	202	48	82	.36	-2.3	.19	7	7.6	sw.	26	nw.	23	17	6	8	3.9	.0	.0	1
Syracuse [2]	596	5	57	998.6	1,020.7	+2.7	57.8	+8.3	84	7	72	28	24	44	46	247	46	80	.82	-2.3	.41	5	6.7	sw.	29	nw.	23	18	4	9	4.1	.0	.0	1
Erie [4]	714	57	81	993.9	1,020.3	+2.3	61.5	+8.1	82	17	70	37	24	53	31	154	49	83	.54	-3.2	.29	7	7.5	se.	19	ne.	23	20	2	9	3.5	.0	.0	0
Cleveland [2]	762	27	54	991.9	1,019.6	+1.3	61.4	+8.7	86	15	73	34	1	50	39	146	51	80	1.92	-.9	.78	11	8.4	s.	24	w.	19	17	8	6	4.0	.0	.0	3
Sandusky	629	5	67	996.3	1,019.6	+1.6	62.0	+7.7	83	16	71	38	2	53	30	132	----	---	1.51	-.9	.68	9	7.7	s.	22	e.	24	17	8	6	3.6	.0	.0	1
Toledo [2]	628	5	47	995.9	1,019.3	+.7	60.4	+8.8	85	16	71	31	1	49	35	169	50	82	2.56	+.2	1.31	8	8.8	sw.	26	sw.	4	15	7	9	4.5	.0	.0	2
Fort Wayne [2]	857	5	34	987.5	1,019.0	+.7	60.4	+7.7	85	15	72	32	1	49	41	162	50	81	4.40	+1.8	2.96	6	6.6	s.	37	s.	41	21	1	8	4.5	.0	.0	2
Detroit [2]	730	5	77	993.2	1,020.0	+2.0	60.3	+8.4	83	15	70	31	1	50	30	178	50	78	1.31	-1.1	.47	6	7.5	s.	20	e.	24	18	5	8	4.0	.0	.0	1
UPPER LAKES							57.3	+9.4										81	1.48	-1.2											4.9			
Alpena	609	5	89	996.6	1,019.3	+2.4	56.2	+9.1	83	22	65	31	1	47	34	286	48	84	.60	-2.1	.43	4	8.9	se.	26	sw.	20	13	10	8	4.5	.0	.0	1
Escanaba	612	51	72	995.3	1,018.3	+1.7	54.9	+8.9	77	4	62	31	1	48	27	317	48	84	1.17	-1.5	.51	6	10.0	s.	38	n.	23	10	13	8	5.1	.0	.0	1
Grand Rapids [4]	707	70	244	992.9	1,018.6	+1.0	61.4	+10.2	85	15	72	35	1	51	36	167	50	84	.91	-1.9	.54	4	9.5	s.	25	sw.	5	15	9	7	4.2	.0	.0	1
Lansing [4]	878	5	90	987.1	1,019.6	+1.6	57.8	+7.5	80	15	68	30	1	48	34	238	48	78	2.68	+.2	1.38	7	6.8	sw.	20	ne.	23	14	12	5	4.1	.0	.0	1
Marquette	734	44	73	989.8	1,017.3	+1.0	56.2	+9.5	84	22	65	33	1	47	35	296	46	76	1.46	-1.3	.97	5	7.9	s.	26	sw.	5	12	7	12	5.4	.0	.0	2
Sault Sainte Marie [2]	614	10	52	995.9	1,019.0	+2.4	53.6	+10.6	78	15	65	28	1	42	35	355	44	84	.25	-2.8	.17	3	9.5	e.	34	nw.	23	11	10	10	5.4	.0	.0	2
Chicago [2]	673	5	38	993.6	1,018.0	.0	62.1	+9.6	88	15	73	34	1	52	38	142	52	78	2.60	.0	2.30	5	7.5	s.	25	s.	6	16	2	13	4.7	.0	.0	1
Green Bay	617	5	32	994.9	1,017.6	+1.0	58.8	+10.3	85	15	69	32	1	48	33	231	49	78	2.08	-.5	1.43	10	7.0	s.	22	n.	23	14	7	10	4.8	.0	.0	1
Milwaukee [2]	681	33	66	992.9	1,018.0	+.7	59.4	+9.9	86	15	69	32	1	50	34	207	50	82	1.85	-.5	.80	6	10.6	sw.	29	s.	3	14	6	11	5.1	.0	.0	1
Duluth [4]	1,133	5	47	974.6	1,016.3	+.4	52.3	+8.2	80	14	60	34	1	45	30	395	42	80	1.15	-1.2	.62	10	10.6	ne.	33	e.	23	12	8	11	5.4	.0	.0	3
NORTH DAKOTA							51.7	+8.4										72	1.34	+.2											5.7			
Fargo [2]	940	5	47	979.0	1,013.9	-2.0	53.2	+8.7	89	5	65	26	28	42	44	368	43	76	1.13	-.6	.36	8	12.2	s.	33	n.	22	9	9	13	5.7	.0	.0	4
Bismarck [2]	1,677	5	41	952.6	1,013.2	-3.7	52.4	+8.8	90	5	66	25	28	39	48	398	40	71	2.34	+1.4	1.24	7	10.2	nw.	37	se.	8	11	6	14	5.6	2.5	.0	5
Devils Lake	1,478	11	44	959.7	1,013.5	-1.4	51.0	+8.6	82	5	62	28	28	40	39	430	40	70	1.64	+.4	1.14	9	8.7	s.	28	nw.	11	9	12	10	5.7	.8	.0	2
Williston	1,878	42	50	945.1	1,012.5	-3.8	50.7	+7.3	82	19	62	26	27	40	40	445	36	66	.55	-.3	.27	5	7.0	se.	29	se.	8	11	7	13	5.7	2.5	.0	0
UPPER MISSISSIPPI							62.7	+10.0										77	3.22	+.8											4.9			
Minneapolis-St. Paul [2]	919	43	74	981.4	1,014.9	-1.0	59.2	+10.3	88	21	69	39	1	49	36	215	46	70	1.10	-1.0	.47	6	11.1	se.	30	e.	23	10	7	14	5.6	.0	.0	4
La Crosse [2]	714	5	29	989.8	1,016.3	-.3	59.2	+10.1	86	14	69	32	1	49	38	221	50	80	2.51	+.2	1.50	9	8.0	s.	27	s.	3	11	8	12	5.5	.0	.0	3
Madison [2]	974	27	39	982.4	1,018.0	+.4	59.8	+10.5	85	15	72	29	1	48	39	204	49	80	1.36	-1.1	.97	7	8.0	s.	27	n.	7	13	5	13	5.1	.0	.0	1
Charles City	1,015	10	51	979.7	1,016.6	-.7	60.0	+11.4	88	14	71	36	13	49	41	201	----	---	3.37	+1.0	1.08	13	6.3	se.	20	s.	5	17	3	11	4.5	.0	.0	4
Moline [2]	606	6	50	994.9	1,017.3	-.3	62.6	+10.6	87	12	74	37	30	51	43	148	52	77	.88	-1.5	.41	5	7.1	e.	25	sw.	22	13	5	13	5.2	.0	.0	2
Des Moines [4]	860	5	99	------	1,015.9	-1.0	62.8	+9.4	92	6	73	41	19	53	37	157	50	71	6.96	+4.5	2.72	11	8.3	s.	28	sw.	3	14	3	14	5.4	.0	.0	5
Dubuque	699	60	79	991.5	1,016.9	-.7	62.8	+10.9	87	14	73	42	10	53	35	141	52	76	1.44	-1.0	1.02	6	4.7	s.	17	e.	23	11	10	10	5.2	.0	.0	4
Burlington [2]	702	4	36	991.5	1,016.9	-.7	62.3	+8.5	85	14	73	41	11	52	36	145	53	83	3.43	+.7	1.28	8	7.6	s.	27	sw.	3	13	7	11	4.9	.0	.0	5
Cairo	357	5	99	1,004.4	1,017.3	-.7	67.8	+7.3	87	13	78	44	1	58	30	48	----	---	4.80	+2.0	1.49	8	5.7	ne.	26	nw.	4	13	12	6	4.6	.0	.0	5
Peoria [2]	609	7	26	995.3	1,017.6	-.7	63.2	+12.2	86	15	74	39	30	52	33	119	52	76	3.57	+1.3	1.15	8	7.2	s.	36	se.	17	11	10	10	5.0	.0	.0	3
Springfield, Ill. [4]	636	5	191	994.2	1,017.3	-.7	65.6	+9.8	88	15	76	41	30	56	31	85	52	80	2.64	+.1	1.04	7	9.7	s.	24	s.	3	14	10	7	4.4	.0	.0	5
St. Louis [4]	568	33	59	996.6	1,016.9	-1.1	67.2	+8.4	88	17	76	46	30	58	30	77	54	78	6.60	+3.9	3.98	8	9.2	s.	29	s.	3	17	6	8	3.9	.0	.0	3

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR OCTOBER 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 heating 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.	
FLORIDA PENINSULA																																		
							77.5	+0.3										85	9.83	+4.2											5.7			
Key West [4]	21	10	64	1,012.5	1,013.2	−0.7	79.0	−.1	86	16	84	72	22	74	14	0	72	84	12.46	+6.5	3.95	15	8.3	e.	37	sw.	11	9	12	10	5.6	0.0	0.0	2
Miami [4]	25	242	249	1,012.9	1,013.9	−1.0	77.4	−.6	84	17	81	68	11	73	11	0	70	84	13.49	+5.8	5.04	14	12.6	e.	58	s.	12	8	12	11	5.8	.0	.0	2
Tampa [2]	35	5	36	1,013.5	1,014.6	−1.3	76.0	+1.7	88	18	84	61	31	68	24	0	67	86	3.54	+.4	1.10	7	7.2	ne.	24	s.	7	8	16	7	5.6	.0	.0	4
EAST GULF																																		
							71.2	+4.6										84	2.62	−.3											5.1			
Atlanta [2]	1,173	33	72	976.3	1,017.3	−1.7	66.4	+3.7	84	18	75	46	31	58	28	33	57	81	3.50	+.8	1.90	10	9.7	e.	28	ne.	15	6	13	12	6.2	.0	.0	0
Macon [4]	370	79	87	1,003.7	1,016.9	−1.7	68.6	+4.1	87	10	78	46	31	60	28	16	60	82	3.53	+1.2	1.16	12	6.4	e.	23	ne.	15	5	13	13	6.4	.0	.0	3
Thomasville	27	48	----	1,006.8	1,016.6	-----	71.2	+3.0	85	17	80	55	1	63	25	0	----	---	6.00	+3.0	2.18	8	----	------	--	------	--	4	13	14	----	.0	.0	4
Apalachicola	35	11	51	1,013.9	1,015.2	−1.7	73.2	+2.6	86	14	79	60	7	67	21	1	66	87	2.75	−.4	1.46	10	8.9	ne.	25	n.	20	14	9	8	4.6	.0	.0	5
Pensacola [4]	56	54	79	1,013.9	1,015.9	−1.4	73.8	+3.9	88	14	81	59	29	67	21	0	64	85	2.52	−1.7	2.18	7	7.2	e.	20	se.	22	10	17	4	4.7	.0	.0	4
Anniston	618	6	32	998.6	1,017.6	-----	67.6	+4.6	87	14	80	39	29	55	38	31	58	84	1.09	−1.5	.27	8	----	ne.	--	------	--	8	10	13	6.0	.0	.0	5
Birmingham [2]	700	5	63	992.2	1,016.9	−2.1	69.1	+6.7	88	15	80	44	29	58	33	21	59	82	1.20	−1.2	.50	6	7.1	e.	24	e.	15	11	11	9	5.3	.0	.0	2
Mobile [4]	57	86	161	1,013.9	1,015.9	−1.7	73.4	+4.1	88	11	82	54	29	65	25	0	64	87	2.84	−.8	1.00	10	6.8	n.	20	e.	5	9	17	5	5.2	.0	.0	6
Montgomery [4]	218	92	105	1,008.5	1,016.3	−2.3	72.0	+5.4	89	14	81	53	29	63	26	0	60	80	.91	−1.6	.42	8	6.6	e.	21	ne.	15	12	10	9	5.3	.0	.0	1
Meridian [4]	375	67	92	1,003.1	1,016.6	−1.4	70.6	+6.3	90	17	82	45	29	60	33	4	60	84	1.78	−.6	1.05	5	4.6	e.	15	nw.	31	13	13	5	4.3	.0	.0	3
Vicksburg [4]	247	82	102	1,007.1	1,015.9	−2.4	71.8	+5.1	86	16	82	49	1	62	25	4	60	94	.59	−2.2	.50	3	6.9	n.	24	nw.	31	20	6	5	3.4	.0	.0	2
New Orleans	53	76	84	1,013.5	1,015.6	−1.3	76.1	+5.1	90	19	83	63	1	69	21	0	66	75	4.68	+1.3	2.08	8	5.8	e.	23	ne.	19	12	14	5	4.3	.0	.0	3
WEST GULF																																		
							74.8	+6.2										74	1.79	−1.3											4.0			
Shreveport [2]	249	5	64	1,006.4	1,015.2	−2.4	72.2	+6.6	91	15	85	48	28	59	37	2	61	74	1.76	−.9	1.30	3	6.0	n.	33	nw.	26	16	13	2	3.4	.0	.0	3
Fort Smith [2]	463	6	30	999.3	1,015.6	−1.7	69.2	+6.4	90	5	82	46	28	56	38	29	57	72	4.00	+1.0	2.07	6	6.1	ne.	22	nw.	31	20	5	6	3.5	.0	.0	5
Little Rock [2]	357	26	58	1,003.7	1,016.3	−1.7	69.7	+6.1	89	14	81	47	1	59	31	17	59	74	5.57	+2.8	3.50	9	5.5	e.	29	se.	18	18	8	5	3.4	.0	.0	7
Austin [2]	605	10	41	993.2	1,014.6	−2.3	76.2	+7.9	94	18	88	57	1	64	31	0	61	65	.02	−3.1	.02	1	7.5	s.	24	n.	31	13	16	2	3.9	.0	.0	0
Brownsville [2]	57	5	54	1,010.8	1,012.9	−2.0	79.0	+4.1	94	31	89	61	21	69	27	0	69	78	1.54	−2.0	1.05	3	8.1	se.	32	ne.	19	8	20	3	4.6	.0	.0	2
Corpus Christi [2]	20	6	33	1,013.5	1,014.2	−1.7	78.0	+6.9	95	31	88	61	21	68	30	0	69	78	1.04	------	.94	1	9.2	se.	24	ne.	31	17	11	3	3.7	.0	.0	2
Dallas [2]	512	3	45	996.6	1,014.9	−2.0	73.1	+5.8	95	5	84	49	20	62	39	9	60	68	1.32	−1.3	.80	7	7.4	se.	27	w.	25	17	9	5	3.4	.0	.0	5
Fort Worth [2]	679	40	56	990.9	1,014.9	−2.0	73.2	+7.5	93	5	84	53	27	63	28	9	60	65	2.14	−.6	1.14	5	8.7	se.	29	n.	31	20	6	5	3.7	.0	.0	5
Galveston [4]	54	122	129	1,013.2	1,015.2	−1.7	76.8	+4.1	86	15	81	63	29	72	18	0	70	82	2.11	−2.2	1.23	5	9.8	e.	42	w.	29	20	6	5	3.8	.0	.0	3
Houston [4]	138	157	190	1,009.8	1,014.9	−2.0	76.6	+6.3	92	18	86	62	2	67	26	0	66	78	2.34	−1.3	1.70	2	7.7	se.	28	nw.	31	9	16	6	5.1	.0	.0	2
Palestine	510	64	72	997.6	1,015.2	−2.4	74.0	+6.8	92	18	85	54	28	63	29	0	60	66	.54	−2.7	.41	5	5.4	ne.	17	nw.	31	18	10	3	3.8	.0	.0	4
Port Arthur [4]	34	59	134	1,013.9	1,014.9	−1.7	76.6	+5.0	90	15	85	62	2	68	25	0	66	81	.53	−2.8	.34	5	9.7	s.	29	n.	19	15	11	5	3.8	.0	.0	4
San Antonio [2]	693	8	51	989.8	1,014.2	−2.1	76.3	+5.8	93	5	89	51	1	64	36	0	62	66	.19	−2.0	.13	2	7.3	se.	30	ne.	8	10	19	2	4.7	.0	.0	1
OHIO VALLEY AND TENNESSEE																																		
							64.3	+7.8										80	2.45	−.2											4.7			
Chattanooga [2]	762	6	66	990.2	1,017.6	−1.7	66.4	+8.7	86	14	78	39	31	54	37	46	56	83	4.68	+1.7	1.97	12	5.6	s.	22	e.	16	8	12	11	5.6	.0	.0	2
Knoxville [2]	995	27	71	982.7	1,018.6	+.3	66.0	+7.4	86	22	77	40	30	55	37	41	56	79	1.61	−1.0	.59	11	5.8	ne.	29	w.	19	8	11	12	5.5	.0	.0	2
Memphis [2]	399	5	49	1,002.0	1,016.3	−2.0	70.0	+8.6	89	14	82	44	1	58	36	21	58	78	5.67	+3.0	3.05	9	5.6	e.	18	sw.	26	16	8	7	4.1	.0	.0	6
Nashville [2]	546	5	72	998.0	1,018.0	−1.3	67.9	+6.9	89	15	80	40	30	55	36	48	55	76	2.10	−.4	1.19	9	6.3	se.	26	se.	27	12	13	6	4.7	.0	.0	1
Lexington [2]	989	4	58	982.7	1,018.6	.0	63.6	+6.2	85	22	75	34	1	52	33	98	52	81	2.79	+.2	1.20	7	----	se.	--	------	--	12	11	8	4.6	.0	.0	1
Louisville [2]	525	5	54	999.0	1,018.0	−1.0	65.0	+7.5	89	16	77	36	1	53	39	82	54	77	2.74	+.1	1.67	6	5.6	n.	22	sw.	4	12	12	7	4.7	.0	.0	2
Evansville [2]	431	6	40	1,002.0	1,017.6	−1.4	64.6	+7.6	88	15	78	38	30	52	43	86	54	84	2.73	−.1	1.83	6	5.5	nw.	31	s.	27	17	5	9	4.3	.0	.0	3
Indianapolis [2]	823	5	54	987.8	1,017.6	−1.0	62.4	+8.3	85	23	74	37	1	50	36	116	52	79	2.44	------	1.19	6	7.5	se.	30	w.	4	13	10	8	4.7	.0	.0	1
Terre Haute [2]	575	4	36	997.6	1,018.6	+.3	62.9	+6.7	85	22	76	36	1	49	40	108	52	84	2.79	+.1	2.32	5	6.7	se.	20	s.	28	16	5	10	4.5	.0	.0	2
Cincinnati [4]	627	135	148	996.3	1,019.3	.0	65.6	+9.9	86	22	76	40	1	55	34	74	52	78	2.05	−.5	1.08	6	3.7	e.	12	se.	24	12	9	10	5.4	.0	.0	3
Columbus [4]	822	90	110	989.8	1,019.3	+.3	64.2	+9.0	85	16	75	36	1	54	34	88	52	82	1.59	−.9	.75	7	7.1	s.	23	s.	24	17	7	7	3.9	.0	.0	0
Dayton [2]	1,003	6	55	983.1	1,019.3	+1.0	62.4	+8.6	84	23	73	36	1	52	33	114	51	79	2.11	−.5	1.19	7	8.4	s.	29	s.	27	15	7	9	4.3	.0	.0	2
Elkins [2]	1,947	5	45	951.9	1,021.3	+.6	57.6	+6.5	84	22	72	23	2	43	53	232	46	83	1.35	−1.6	.87	5	4.9	se.	20	w.	28	12	4	15	5.6	.0	.0	1
Parkersburg	637	77	84	996.6	1,019.0	+.6	63.5	+7.4	85	16	76	32	2	51	40	90	52	80	.89	−1.6	.28	9	4.6	se.	17	nw.	28	12	8	11	4.7	.0	.0	2
Pittsburgh [2]	842	39	54	989.8	1,020.3	+1.3	62.0	+7.9	84	22	74	31	1	50	34	126	48	70	1.19	−1.3	.75	5	7.8	s.	26	w.	28	13	8	10	4.6	.0	.0	1
MISSOURI VALLEY																																		
							63.4	+9.4										72	2.82	+.6											4.7			
Columbia, Mo. [4]	784	6	66	988.2	1,016.6	−1.4	66.2	+9.3	87	15	77	46	29	56	37	71	52	74	3.07	+.5	1.27	7	5.6	s.	18	se.	30	15	7	9	4.5	.0	.0	5
Kansas City [2]	963	38	76	988.2	1,015.2	−2.4	68.0	+10.3	91	5	79	40	29	57	34	76	52	66	5.25	+2.6	2.51	6	9.2	sw.	33	w.	3	16	5	10	4.4	.0	.0	4
St. Joseph [2]	967	5	51	980.4	1,015.2	−2.1	64.6	+8.6	90	6	76	35	29	53	40	118	53	77	4.45	+1.6	2.19	8	6.3	s.	26	s.	3	13	6	12	4.9	.0	.0	7
Springfield, Mo. [2]	1,324	5	50	969.2	1,016.6	−1.4	65.9	+8.3	87	14	78	40	29	54	36	63	54	76	3.24	+.2	2.42	7	10.1	s.	25	s.	3	20	6	5	3.5	.0	.0	7
Topeka [4]	987	65	87	979.7	1,015.2	−2.1	67.2	+10.2	94	5	78	38	29	56	34	81	54	76	3.33	+.9	1.44	8	8.2	s.	26	sw.	3	14	5	12	4.9	.0	.0	6
Lincoln [4]	1,189	6	81	971.6	1,014.2	−2.4	65.0	+10.8	99	5	76	32	29	54	40	142	50	70	2.67	+.8	1.07	9	8.9	s.	26	s.	15	16	2	13	4.9	.0	.0	7
Omaha [2]	1,105	5	68	974.9	1,014.6	−2.7	63.3	+9.9	92	6	74	32	29	52	40	160	50	72	2.58	+.4	1.07	10	10.8	s.	30	s.	11	11	9	11	5.1	.0	.0	6
Valentine	2,598	46	54	922.5	1,013.9	−3.4	57.5	+8.2	95	5	72	25	28	43	52	266	40	60	.16	−.9	.13	4	8.8	w.	27	n.	22	13	12	6	4.4	.0	.0	3
Sioux City [2]	1,138	5	40	974.6	1,014.6	−2.3	59.6	+9.9	89	5	72	30	29	47	45	215	48	72	1.90	+.1	.69	8	9.8	s.	30	s.	15	14	7	10	5.0	.0	.0	4
Huron [2]	1,301	5	41	966.5	1,013.9	−3.4	56.2	+8.5	97	5	70	25	28	43	48	304	44	75	1.52	+.2	.47	10	12.2	se.	34	se.	10	11	9	11	5.2	.0	.0	7
NORTHERN SLOPE																																		
							51.8	+6.3										65	1.10	+.3											5.9			
Billings [2]	3,570	16	39	889.3	1,012.5	−6.5	52.9	+4.9	82	19	65	27	25	41	36	379	41	67	.52	------	.18	7	10.6	sw.	43	nw.	3	7	13	11	6.2	.4	.0	0
Havre	2,507	11	67	923.1	1,012.2	−4.4	51.4	+6.9	79	3	64	25	25	39	40	423	36	60	.48	−.2	.36	3	9.0	sw.	34	w.	19	7	10	14	6.5	.0	.0	1
Helena [2]	4,124	5	43	871.7	1,013.9	−4.1	48.6	+4.8	78	4	60	26	25	37	34	505	36	68	.55	−.1	.25	6	7.8	w.	29	s.	16	3	14	14	6.7	.4	.0	2
Missoula [2]	3,263	4	32	900.1	1,014.9	−3.7	47.8	+4.5	80	4	58	25	25	37	38	533	40	76	1.09	+.1	.28	14	6.0	se.	34	sw.	19	1	9	21	7.8	.0	.0	0
Kalispell	2,973	48	56	909.6	1,012.9	−4.7	47.1	+3.6	73	4	56	30	25	38	31	553	40	78	2.16	+1.1	.38	17	5.1	w.	23	sw.	19	3	5	23	7.7	.0	.0	0
Miles City [2]	2,371	5	28	928.9	1,013.2	−5.4	53.3	------	86	19	67	28	31	40	43	364	36	60	.39	------	.16	7	----	se.	--	------	--	11	8	12	5.5	T	.0	1
Rapid City [2]	3,259	5	56	899.8	1,013.2	−4.8	55.6	+8.0	94	5	70	28	26	41	49	316	36	58	1.17	+.2	.67	7	14.5	nw.	54	nw.	21	13	11	7	4.7	1.5	.0	3
Cheyenne [2]	6,094	22	40	813.4	1,013.5	−3.1	51.5	+6.7	82	5	65	12	23	38	40	420	34	57	2.12	+1.2	1.70	5	9.9	nw.	35	nw.	1	12	10	9	4.9	3.2	.0	0
Lander [2]	5,352	6	30	834.7	1,014.9	−3.1	49.3	+5.8	81	4	63	20	24	36	39	490	33	59	2.11	+.8	1.50	5	5.6	sw.	27	nw.	8	14	9	8	4.8	12.7	.0	1
Sheridan [2]	3,790	5	38	882.5	1,013.5	−4.5	52.6	+8.0	85	20	67	25	26	38	47	390	36	62	1.09	.0	.40	8	7.1	nw.	49	nw.	21	9	12	10	5.5	2.2	.0	0
North Platte [4]	2,821	11	51	915.0	1,013.5	−3.8	59.6	+9.9	96	5	74	30	27	45	52	200	43	68	.45	−.6	.21	5	6.0	s.	24	n.	31	14	7	10	4.7	.0	.0	3
MIDDLE SLOPE																																		
							63.9	+8.2										62	1.50	−.2											4.1			
Denver [4]	5,292	106	113	837.8	1,013.9	−2.7	57.0	+5.8	86	5	70	27	23	44	38	274	34	55	2.84	+1.8	1.53	6	6.8	s.	26	n.	22	12	10	9	4.7	1.6	.0	2
Pueblo [2]	4,690	5	36	856.4	1,014.6	−1.3	56.4	+5.2	91	5	74	25	23	39	48	285	36	56	2.10	+1.4	1.60	4	6.6	nw.	34	w.	7	15	12	4	4.1	.0	.0	2
Concordia	1,392	50	58	964.8	1,013.9	−3.7	66.3	+10.4	102	5	78	37	29	54	46	109	50	66	1.24	−.7	.88	7	8.4	s.	25	nw.	31	15	11	5	3.9	.0	.0	4
Dodge City [2]	2,509	5	58	926.5	1,013.5	−3.8	64.9	+8.8	95	5	78	33	26	52	39	122	48	64	.56	−.7	.36	4	15.6	se.	43	sw.	10	15	9	7	4.1	.0	.0	2
Wichita [2]	1,358	52	64	966.1	1,014.2	−2.4	68.4	+9.8	95	5	80	44	28	57	33	67	52	63	1.50	−1.1	.76	9	14.1	s.	36	s.	3	13	11	7	4.1	.0	.0	6
Oklahoma City [4]	1,214	10	47	971.9	1,014.9	−2.4	70.5	+9.0	95	5	81	44	27	60	29	38	56	68	0.79	−2.1	.47	1	8.0	s.	19	nw.	31	17	10	4	3.7	.0	.0	3

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR OCTOBER 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 heating 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																																		
							69.6	+7.2										56	1.53	−.3											3.9			
Abilene [2]	1,738	4	59	953.6	1,013.2	−3.4	73.0	+8.7	94	17	85	54	26	61	32	13	55	60	4.80	+2.3	3.49	6	12.6	s.	35	s.	15	14	12	5	4.1	0.0	0.0	6
Amarillo [2]	3,676	5	42	889.4	1,013.5	−3.1	64.4	+8.6	91	4	79	37	23	50	38	104	45	56	.12	−1.5	.10	3	14.1	s.	40	sw.	10	16	9	6	4.0	.0	.0	3
Del Rio	960	63	71	979.3	1,011.9	−3.3	77.2	+7.2	92	19	87	59	1	68	29	0	62	62	.69	−1.1	.58	5	8.5	se.	21	n.	31	13	12	6	4.4	.0	.0	3
Roswell [2]	3,566	75	85	891.3	1,013.2	−2.4	63.6	+4.1	91	7	81	33	24	46	47	91	40	46	.52	−.9	.27	3	7.7	s.	31	ne.	12	15	15	1	3.1	.0	.0	3
SOUTHERN PLATEAU																																		
							66.3	+3.3										42	.48	−.2											3.0			
El Paso [2]	3,778	36	85	885.9	1,011.5	−2.4	68.0	+6.0	91	9	82	40	27	54	39	32	36	33	.35	−.4	.32	3	8.9	n.	34	ne.	12	24	5	2	2.2	.0	.0	1
Albuquerque [2]	4,972	5	45	849.0	1,013.2	−1.7	60.4	+3.8	87	4	74	33	26	47	36	172	34	40	31	−.5	.31	1	8.1	se.	42	e.	12	17	11	3	3.5	.0	.0	3
Flagstaff	6,907	34	48	792.1	1,017.3	+4.1	49.8	+2.9	83	4	66	20	25	33	48	475	32	56	1.39	.0	.76	4	----	sw.		------		18	8	5	3.7	.2	.0	4
Phoenix [4]	1,107	39	87	972.9	1,011.5	−.4	74.0	+3.4	102	4	88	48	23	60	38	4	42	40	.06	−.4	.04	2	6.0	e.	21	nw.	11	21	4	6	3.0	.0	.0	1
Tucson [2]	2,555	5	39	924.5	1,011.5	−.7	70.4	+1.7	98	4	85	44	23	56	38	19	42	42	.80	+.3	.41	5	----	se.		------		21	6	4	3.0	.0	.0	3
Yuma	142	9	54	1,005.8	1,010.5	−1.0	75.2	+1.9	105	4	91	52	23	60	41	0	48	44	T	−.3	T	0	4.7	w.	23	w.	11	20	10	1	2.4	.0	.0	0
MIDDLE PLATEAU																																		
							53.4	+3.7										55	1.23												5.0			
Reno [2]	4,527	20	52	861.8	1,014.9	−1.7	51.6	+3.1	88	4	70	22	22	33	53	415	34	56	.17	−.2	.12	3	7.0	s.	56	s.	20	10	8	13	5.7	.0	.0	0
Winnemucca	4,339	5	56	867.3	1,014.9	−3.1	51.8	+3.5	86	4	68	17	22	35	48	407	32	50	.65	.0	.23	7	7.9	sw.	39	w.	20	11	5	15	5.8	T	.0	1
Modena	5,473	10	46	833.7	1,014.2	−1.4	50.6	+2.6	84	4	67	20	25	34	44	442	----	----	.81	+.1	.75	3	10.1	sw.	31	sw.	20	18	6	7	3.9	T	.0	0
Salt Lake City [2]	4,357	32	58	866.9	1,014.6	−2.0	56.4	+5.6	85	5	69	32	26	44	36	279	40	56	2.43	+1.1	1.47	7	9.8	se.	33	s.	16	11	8	12	5.2	T	.0	2
Grand Junction [2]	4,602	5	26	860.5	1,015.6	.0	56.5	+3.7	86	5	68	31	26	44	34	287	37	56	1.98	+1.0	.91	10	7.9	e.	34	s.	21	13	8	10	4.6	.0	.0	1
NORTHERN PLATEAU																																		
							52.5	+3.1										67	2.48												7.0			
Baker [4]	3,471	36	54	894.0	1,015.2	−4.1	50.4	+3.8	81	3	61	26	22	40	34	454	36	68	1.65	+.7	.64	14	6.0	s.	23	sw.	16	4	10	17	7.0	.0	.0	0
Boise [2]	2,739	5	49	918.4	1,014.2	−4.1	55.2	+5.1	88	4	66	29	22	44	35	319	38	58	2.18	+.9	.76	10	10.3	se.	43	nw.	20	5	14	12	6.4	.0	.0	0
Pocatello [2]	4,478	5	31	863.2	1,015.9	−1.7	51.7	+5.2	80	4	65	22	25	38	43	412	34	58	.83	−.8	.21	6	9.5	sw.	34	sw.	20	12	10	9	5.2	.0	.0	0
Spokane [2]	1,929	6	51	944.5	1,013.2	−4.8	50.8	+2.5	76	3	58	32	25	43	28	442	42	76	5.41	+4.2	.97	20	6.6	sw.	26	sw.	19	1	4	26	8.6	.0	.0	0
Walla Walla	991	57	65	977.7	1,013.5	−4.1	55.8	+2.3	83	3	64	36	24	48	26	290	----	----	2.95	+1.4	1.37	22	4.8	s.	20	w.	17	5	6	20	7.0	.0	.0	0
Yakima [2]	1,076	4	54	973.9	1,012.9	−4.7	51.2	−.5	84	3	62	31	24	40	32	432	42	74	1.83	+1.2	.74	17	----	w.	----	------	----	4	7	20	7.5	.0	.0	0
NORTH PACIFIC COAST																																		
							54.8	+2.1										81	8.65												8.4			
North Head	211	5	55	1,004.1	1,011.5	−6.1	53.8	+.9	68	24	58	43	26	50	15	350	50	88	11.00	+6.0	1.59	25	16.5	s.	60	s.	17	1	3	27	8.4	.0	.0	0
Seattle [4]	125	90	321	1,007.8	1,012.5	−5.8	54.5	+.8	72	3	60	42	21	49	17	328	48	82	7.43	+4.6	1.97	21	10.3	se.	33	sw.	3	1	6	24	8.4	.0	.0	0
Tacoma	194	172	201	1,005.4	1,012.2	−5.8	53.2	+2.7	70	3	59	38	21	48	22	362	----	----	8.80	+5.5	1.58	24	8.1	s.	32	s.	16	1	6	24	8.3	.0	.0	1
Tatoosh Island	86	5	61	1,007.5	1,010.5	−6.4	52.2	+2.3	62	9	56	45	22	48	11	393	48	86	14.20	+6.1	2.36	25	16.1	e.	51	s.	2	1	5	25	8.5	.0	.0	1
Medford [2]	1,329	29	58	967.2	1,014.6	−3.0	55.8	+2.2	90	3	67	35	22	45	42	291	46	72	3.00	+1.6	1.08	10	----	n.	----	------	----	2	7	22	7.7	.0	.0	0
Portland, Oreg. [4]	154	68	106	1,007.8	1,013.2	−4.8	56.4	+2.2	76	3	62	46	22	51	20	275	50	82	9.70	+6.6	1.70	25	5.5	se.	19	s.	17	1	4	26	9.0	.0	.0	0
Roseburg	510	45	76	995.6	1,014.2	−4.1	57.6	+3.7	81	3	66	39	6	49	27	241	49	75	6.42	+3.8	2.82	22	3.8	s.	19	sw.	10	1	7	23	8.2	.0	.0	0
MIDDLE PACIFIC COAST																																		
							61.1	+0.8										73	3.77												6.2			
Eureka	60	72	88	1,014.2	1,016.6	−1.7	57.2	+3.6	72	31	63	42	6	51	20	243	51	80	6.50	+4.2	2.01	13	7.5	se.	28	s.	31	2	7	22	7.6	.0	.0	1
Red Bluff [2]	353	5	26	1,002.0	1,014.6	----	62.8	−1.5	99	3	72	46	31	53	32	123	48	64	3.90	+2.6	1.26	9	8.4	se.	36	se.	15	10	6	15	6.1	.0	.0	0
Sacramento [4]	66	92	115	1,012.9	1,015.2	.0	62.4	−.5	95	4	73	44	31	52	34	112	50	71	2.60	+1.7	.80	6	6.7	s.	24	nw.	11	10	8	13	5.7	.0	.0	0
San Francisco [4]	155	112	132	1,010.2	1,015.9	.0	62.0	+1.5	83	12	68	52	23	56	25	110	52	78	2.09	+1.0	.82	8	7.9	w.	21	w.	1	9	12	10	5.5	.0	.0	0
SOUTH PACIFIC COAST																																		
							6.60	+2.1										71	.34												4.4			
Fresno [2]	327	5	34	1,002.7	1,014.9	−.3	65.2	+2.9	100	4	79	44	23	51	40	64	50	64	.81	+.2	.58	7	5.2	nw.	29	nw.	2	01	5	5	11	4.5	.0	.0	0
Los Angeles	338	236	263	1,002.4	1,014.6	.0	66.3	+1.0	87	19	76	53	27	57	29	14	54	72	.14	−.5	.06	3	5.6	w.	17	w.	7	13	10	8	4.5	.0	.0	0
San Diego [2]	87	20	55	1,011.2	1,014.6	+.4	66.6	+2.5	79	24	75	52	26	58	26	6	57	76	.08	−.5	.08	2	5.8	ne.	17	nw.	8	12	14	5	4.3	.0	.0	1
WEST INDIES																																		
San Juan, P. R.	82	9	54	1,009.5	1,012.2	+34.2	80.6	+.8	9	11	8 8	6 7	42	8 7	6 1	4	0 7	5 8	4 4.2	6 −1.	61.2	9 2	2 7.	7 e.	23	e.	2	1	25	5	5.9	.0	.0	
PANAMA CANAL																																		
Balboa Heights [6]	118	6	97	------	1,010.4	----	79.0	−.3	91	3	85	71	6	73	18	0	75	90	9.68	−.7	----	25	4.3	s.	25	n.	3	0	9	22	8.1	.0	.0	10
Cristobal [6]	27	37	92	------	1,010.0	----	80.1	−.4	90	23	85	73	5	75	15	0	75	86	17.71	+1.8	----	25	5.8	s.	23	ne.	3	0	8	23	8.3	.0	.0	9
ALASKA																																		
Anchorage [2]	132	6	44	988.5	993.2	----	36.0	0	53	6	43	15	31	29	21	897	31	77	.89	−1.3	.50	8	5.0	n.	18	n.	21	1	8	22	8.1	3.7	.0	0
Fairbanks [2]	455	5	63	980.7	998.0	----	24.2	−2.6	53	7	32	−6	87	16	35	1,265	21	82	.61	−.3	.15	11	4.0	nw.	14	s.	2	3	8	20	7.5	11.2	5.6	0
Juneau [2]	80	6	30	995.7	998.6	----	43.1	−.3	58	1	48	2	29	38	20	673	38	82	4.89	−5.2	.58	21	10.0	se.	34	se.	11	2	2	27	8.3	T	.0	0
Nome [2]	22	10	75	998.3	999.0	----	25.6	−3.8	50	7	33	−2	30	18	30	1,226	22	81	1.00	−.6	.42	8	14.0	n.	39	e.	30	7	4	20	6.9	8.1	5.4	0
Barrow	29	5	27	1,004.2	1,004.7	----	16.2	−.6	29	6	21	−6	29	12	30	1,516	16	94	.43	−.1	.08	12	13.0	e.	34	e.	27	0	5	26	8.8	7.9	8.9	0
Bethel	28	5	31	994.7	996.3	----	29.0	−2.6	52	6	35	6	19	23	30	1,116	27	87	.95	−.8	.54	9	11.0	ne.	34	------	7	3	7	21	7.9	4.9	1.4	0
Cordova	45	5	32	990.8	992.6	----	41.4	+.7	58	6	49	21	21	34	26	726	37	83	6.33	−5.9	1.47	23	----	e.	----	------	----	3	6	22	8.0	1.8	.0	0
Gambell	32	5	32	998.3	999.3	----	29.2	−1.9	42	6	32	18	21	27	12	1,110	26	84	.97	−.6	----	15	22.0	n.	60	n.	9	0	4	27	9.8	7.5	1.3	----
Ketchikan	25	69	90	1,001.0	1,001.7	----	47.2	+.5	62	7	52	36	31	43	23	553	41	80	22.26	+2.2	2.56	29	9.0	se.	29	s.	11	1	1	29	8.9	T	0	0
Kotzebue	20	5	31	1,000.0	1,000.7	----	21.4	−3.4	40	7	27	1	22	16	18	1,352	18	80	.21	−.4	----	7	12.0	ne.	45	se.	31	8	4	19	6.5	1.8	1.0	0
McGrath	341	5	31	984.4	997.3	----	23.3	−4.8	48	7	31	−3	25	16	30	1,288	20	80	.53	−1.5	----	7	----	nw.	17	n.	28	3	7	21	7.8	4.7	3.0	0
Northway	1,718	5	32	935.0	998.3	----	24.8	−1.0	48	1	32	2	31	18	17	1,247	23	87	.65	+.1	.32	10	4.0	w.	19	w.	2	1	7	23	8.4	7.0	6.0	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 elevation 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.