CLIMATOLOGICAL DATA FOR NOVEMBER 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	53.2	−1.2	Dothan	81	5	3-stations	22	29	8.09	+4.88	Tibbie	13.52	Guntersville	3.92
Arizona	46.3	−4.3	Ehrenberg	97	2	Alpine	−10	24	.89	−.07	2-stations	4.01	3-stations	.00
Arkansas	47.7	−3.6	2-stations	82	1	Harrison	17	30	5.06	+1.21	Fordyce	9.18	Fort Smith Airport	2.28
California	48.2	−3.8	do	92	1	Tamarack	−4	21	.88	−1.55	Crescent City	3.67	9-stations	.00
Colorado	30.5	−4.7	Arriba	76	1	Sugar Loaf	−21	22	.72	−.06	Wolf Creek Pass	5.68	2-stations	.00
Florida	67.0	+1.9	Homestead	91	19	2-stations	32	30	5.84	+3.63	Marianna	15.28	Merritt Island	1.32
Georgia	52.3	−2.3	2-stations	82	5	Blairsville	17	29	7.92	+5.25	Hoggards Mill	12.61	Brunswick	3.76
Idaho	32.3	−3.0	do	78	1	2-stations	−15	22	2.21	+.10	Roland	10.11	Howe	.08
Illinois	37.6	−4.5	Harrisburg	69	6	Rockford Airport	−20	30	2.40	−.24	Du Quoin	6.78	Springfield	.98
Indiana	38.6	−3.8	Tell City	72	6	2-stations	−2	30	1.98	−1.06	La Porte	3.90	Noblesville	.78
Iowa	32.7	−4.9	Clarence	65	3	Decorah	−22	30	1.84	+.11	Storm Lake	3.18	2-stations	.83
Kansas	39.5	−3.7	Columbus	72	6	Bison	−8	22	1.17	−.10	Hill City	2.75	Richfield	.22
Kentucky	44.2	−2.3	Middlesboro	70	5	2-stations	11	30	2.82	−.57	Paducah	4.82	Grant	1.76
Louisiana	57.2	−1.7	Winnfield	88	1	Robeline	25	29	9.58	+5.55	Belle Chasse	15.36	Plain Dealing	4.40
Maryland-Delaware	43.4	−1.9	Lewes, Del	70	4	Oakland, Md	5	30	5.35	+2.72	Wilmington, Del	8.11	Hancock, Md	3.20
Michigan	33.6	−2.7	2-stations	68	1	Kenton	−11	30	2.41	−.12	Painesdale	4.61	2-stations	1.21
Minnesota	24.3	−5.2	Albert Lea	63	3	Angus	−29	29	2.33	+1.15	Pigeon River Bridge	4.98	Big Falls	.50
Mississippi	53.1	−2.0	6-stations	80	[1] 1	Moorhead	20	30	7.72	+3.98	Biloxi	14.29	Hernando	4.38
Missouri	41.0	−3.4	3-stations	73	[1] 4	4-stations	9	[1] 24	2.65	−.06	Caruthersville	5.92	Waynesville	1.26
Montana	28.3	−3.6	Harlem	82	1	Butte Airport	−23	22	1.26	+.22	Hebgen Dam	4.80	2-stations	.04
Nebraska	32.9	−4.3	Curtis	69	1	Nenzel (near)	−15	22	1.51	+.74	Madison	2.73	Benkelman	.40
Nevada	35.8	−4.0	Overton	84	1	Winnemucca	−8	22	.70	−.01	Jarbidge	3.37	2 stations	.00
New England	36.0	−2.1	2 stations	68	3	Greenville, Maine	−6	30	5.10	+1.54	Washington, Conn	8.78	Bethlehem, N. H	2.19
New Jersey	42.0	−1.9	Clayton	67	2	Layton	10	30	6.49	+3.23	2 stations	11.24	Atlantic City	3.14
New Mexico	38.1	−4.3	Rodeo	83	2	Selson Ranch	−18	24	.67	+.03	Batemano Ranch	1.92	Abar	.00
New York	35.9	−2.3	6 stations	67	[1] 1	Stillwater Reservoir	−2	27	4.28	+1.22	Yorktown Heights	8.90	Wilson	1.32
North Carolina	47.8	−2.2	3 stations	80	[1] 1	Mount Mitchell	11	25	6.17	+3.47	Edenton	11.39	Enfield	2.24
North Dakota	22.5	−4.1	4 stations	63	[1] 1	3 stations	−19	29	1.05	+.44	Oakes	2.74	Dickinson Airport	.3
Ohio	39.2	−2.3	Jackson	69	10	2 stations	2	30	2.27	−.42	Summerfield	5.16	New Lexington	1.16
Oklahoma	46.0	−3.8	3 stations	78	[1] 1	Kenton	−5	22	2.12	+.07	Bear Mountain Tower	6.67	Kenton	.23
Oregon	39.1	−1.2	Lake Creek	80	1	Austin	−5	22	3.11	−.62	Headworks	13.55	Fremont	.15
Pennsylvania	38.3	−3.0	Marcus Hook	71	5	Philipsburg	0	30	4.22	+1.32	West Chester	9.02	Covington	1.90
South Carolina	51.1	−2.7	Ridgeland	81	6	Walhalla	20	27	7.37	+4.98	Hartsville	11.46	Summerville	3.14
South Dakota	27.3	−5.8	Deadwood	73	2	Castlewood	−19	29	1.74	+1.16	Forestburg	4.45	Ludlow	.26
Tennessee	46.9	−1.7	3 stations	71	[1] 5	Union City	12	30	4.38	+.79	Bolivar	7.45	Nashville (C. O.)	2.74
Texas	54.1	−3.0	Rio Grande	99	[1] 1	Muleshoe	10	11	2.68	+.56	Bon Wier	9.28	Valentine	.20
Utah	31.9	−5.3	Zion National Park	83	1	Woodruff	−18	22	1.61	+.60	Alta	8.57	Mexican Hat	.12
Virginia	45.4	−1.3	Clarksville	75	[1] 1	Big Meadows	11	27	4.60	+2.14	Randolph	10.05	Davenport	1.48
Washington	39.3	−.1	Richland	71	10	Stockdill Ranch	4	21	3.61	−.71	Paradise R. S	20.48	Grand Coulee Dam	.13
West Virginia	42.0	−1.3	2 stations	74	[1] 6	Bayard	6	30	3.03	+.27	Stony River Dam	6.41	Vandalia	1.10
Wisconsin	29.0	−4.4	Darlington	63	2	Lone Rock	−22	30	2.21	+.30	Spooner	3.63	Blair	1.13
Wyoming	25.7	−5.8	Basin	85	1	Dillinger	−26	22	1.36	+.62	Snake River	5.07	Buffalo Bill Dam	.26
Alaska (Oct.)	30.6	+.1	Ketchikan	62	7	Wiseman	−10	30	3.23	−.44	Baranof	39.92	Savoonga	T
Hawaii	72.3	+.7	Waianae	92	1	Haleakla R. S	39	6	7.17	−.49	Waiawa	29.88	2 stations	.00
Puerto Rico	76.7	+.2	Dos Bocas	96	3	Guineo Reservoir	55	26	3.27	−3.68	Adjuntas	7.74	Mona Island	.92

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CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR NOVEMBER 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																																		
							38.8	−0.1										77	5.04	+1.8											6.3			
Eastport	75	67	82	1,011.9	1,014.9	−1.7	38.4	+1.7	58	2	44	24	27	33	25	797	31	76	4.68	+1.4	1.98	12	12.7	nw.	42	e.	9	4	6	20	7.5	4.0	0.0	0
Greenville, Maine	1,069	4	41	976.0	1,016.6	−1.0	28.9	−1.7	60	3	38	−6	30	20	42	1,081	24	88	5.54	+2.5	2.07	12	5.7	n.	20	------	10	4	6	20	----	24.7	16.0	0
Portland, Maine [2]	103	6	43	1,012.2	1,015.9	−2.1	39.4	+1.4	61	2	47	22	30	32	28	771	28	78	4.87	+1.4	2.67	7	9.1	n.	44	se.	8	14	6	10	5.0	T	.0	0
Concord [2]	289	5	45	1,005.8	1,016.6	−1.7	34.6	−.8	65	3	44	10	30	25	44	916	26	78	6.68	+3.6	2.89	5	7.3	nw.	36	e.	8	9	5	16	6.0	2.9	.0	0
Burlington [2]	403	6	51	1,001.4	1,016.6	−1.0	34.2	−2.1	62	3	42	13	30	26	37	925	28	83	3.20	+.5	1.41	8	8.3	nw.	31	s.	22	4	6	20	7.3	5.9	1.2	0
Boston [2]	124	33	62	1,011.8	1,016.5	−1.5	41.2	−.8	59	3	48	25	30	35	21	715	30	69	5.13	+1.8	3.32	7	12.7	nw.	42	se.	8	9	6	15	5.9	1.1	.0	0
Nantucket [2]	12	4	34	1,015.2	1,015.9	−1.7	42.6	−1.8	58	3	49	21	27	36	25	677	34	76	3.28	+.1	1.29	12	15.0	nw.	58	nw.	12	6	6	18	6.9	T	.0	0
Block Island	26	11	46	1,014.6	1,015.6	−2.4	44.2	−.4	62	8	50	28	30	39	20	620	38	80	3.67	.0	1.23	10	20.0	nw.	67	nw.	12	9	5	16	6.3	.0	.0	0
Providence [3]	159	65	60	1,010.5	1,016.6	−1.7	41.6	+1.2	63	3	49	23	30	35	28	703	30	76	5.42	+2.4	3.61	7	9.1	n.	42	nw.	12	10	5	15	5.9	.2	.0	0
Hartford [2]	159	5	44	1,010.8	1,016.9	−1.7	39.8	+.3	62	5	48	15	30	31	30	758	30	76	5.23	+1.7	2.46	9	8.2	n.	40	se.	8	8	6	16	6.4	.4	T	0
New Haven [2]	107	5	39	1,012.9	1,016.9	−2.1	41.6	+1.7	62	5	49	21	30	34	26	701	30	68	7.77	+4.7	3.69	10	8.6	n.	40	se.	8	10	7	13	5.8	T	.0	1
MIDDLE ATLANTIC																																		
							44.1	−.6										75	5.08	+2.6											6.4			
Albany [2]	97	6	40	1,013.5	1,017.3	−1.3	35.6	−.7	61	2	44	14	30	27	37	881	28	80	3.94	+1.5	1.57	10	8.3	w.	33	w.	12	6	5	19	6.9	3.3	.2	0
Binghamton [4]	871	57	79	985.1	1,017.6	−1.0	37.0	−1.7	64	3	45	15	30	29	35	845	29	82	3.30	+.9	1.74	14	6.4	w.	24	w.	25	4	6	20	7.7	4.1	.1	0
New York [4]	314	415	454	1,006.1	1,017.6	−1.4	44.0	−.2	60	5	50	26	30	38	20	631	33	66	6.50	+3.5	2.13	10	15.6	nw.	57	nw.	12	9	10	11	5.9	T	.0	0
Harrisburg [2]	374	30	49	1,005.8	1,019.0	−1.0	41.5	−1.3	60	7	48	23	30	35	24	703	31	68	5.59	+3.3	1.98	9	8.3	nw.	30	nw.	12	5	12	13	6.5	2.9	.0	2
Philadelphia [4]	114	174	150	1,013.5	1,017.6	−2.4	45.0	−.7	63	4	51	27	30	39	21	598	34	74	6.57	+3.9	2.21	10	8.4	n.	26	ne.	3	7	11	12	6.0	T	.0	1
Reading	323	47	306	1,006.1	1,018.3	−1.7	42.8	−1.1	62	6	50	24	30	36	24	664	----	---	6.34	+3.6	1.80	10	11.5	nw.	35	nw.	12	9	7	14	6.1	T	.0	1
Scranton	805	72	104	937.5	1,017.3	−2.0	38.9	−1.6	61	3	45	20	30	32	28	784	----	---	3.60	+.8	1.39	13	6.9	sw.	27	se.	8	4	11	15	7.0	1.3	T	0
Atlantic City	52	37	172	1,015.6	1,017.6	−2.0	45.9	+.3	64	3	52	27	27	39	21	573	38	76	3.14	+.3	1.13	9	16.5	w.	50	se.	8	7	10	13	6.5	.0	.0	2
Trenton	190	89	107	1,010.5	1,018.0	−1.3	43.4	−1.0	62	8	50	26	30	37	22	654	----	---	4.84	+2.1	1.31	10	9.4	n.	34	ne.	4	8	10	12	6.1	.0	.0	1
Baltimore [4]	123	100	215	1,013.5	1,018.0	−2.0	46.4	+.1	63	6	52	28	30	40	22	561	34	67	6.92	+4.4	2.79	8	10.4	nw.	38	w.	24	5	13	12	6.3	T	.0	2
Washington [4]	112	56	100	1,014.6	1,018.6	−1.7	46.4	+1.2	66	5	54	26	30	39	28	558	38	75	5.09	+2.7	1.57	8	7.7	nw.	31	n.	8	5	15	10	4.8	.0	.0	2
Cape Henry	18	8	54	1,016.3	1,016.9	−3.1	52.2	+.1	70	5	57	32	29	47	26	387	44	76	4.82	+2.5	1.46	10	15.1	n.	43	nw.	12	5	11	14	6.4	T	.0	1
Lynchburg [2]	686	5	58	992.9	1,018.3	−2.7	44.2	−1.0	71	5	52	25	27	36	31	628	34	76	4.13	+1.8	1.09	12	8.3	n.	29	n.	3	8	7	15	6.2	.7	.0	1
Norfolk [4]	91	80	125	1,014.2	1,017.6	−3.1	51.4	.0	70	5	58	31	30	45	26	407	42	76	6.25	+4.1	2.64	12	10.4	n.	39	se.	3	5	8	17	6.9	T	T	1
Richmond [4]	144	11	52	1,011.9	1,017.3	−3.4	47.0	−1.3	70	5	55	26	30	39	31	544	38	82	5.17	+3.0	1.62	9	7.3	ne.	30	e.	3	4	8	18	7.0	.6	.0	1
SOUTH ATLANTIC																																		
							52.5	−.9										82	6.22	+3.8											6.6			
Asheville	2,253	77	92	937.4	1,018.3	−3.7	45.1	0	70	5	53	25	29	37	31	602	36	78	3.17	+.9	1.21	12	8.8	nw.	40	w.	24	11	5	14	5.8	.0	.0	0
Charlotte [4]	779	63	86	989.2	1,017.6	−3.4	48.4	−2.2	70	5	56	31	30	41	27	496	38	78	7.94	+5.4	2.54	14	6.8	ne.	27	ne.	2	9	4	17	6.4	.0	.0	2
Greensboro [2]	886	6	56	986.1	1,018.6	−2.7	45.4	−1.3	70	5	54	24	27	36	34	588	37	83	5.14	+2.7	1.19	14	8.3	ne.	33	ne.	2	6	9	15	6.5	T	.0	1
Hatteras	11	5	47	1,016.3	1,016.6	−3.4	56.8	+.5	73	3	62	39	30	52	18	251	48	78	6.09	+2.6	4.26	11	14.2	ne.	34	se.	11	8	9	13	6.5	.0	.0	0
Raleigh [4]	376	5	71	1,003.7	1,017.6	−3.4	48.4	−2.6	72	3	57	28	30	40	30	496	40	86	5.46	+3.2	1.65	13	6.9	n.	22	sw.	24	2	7	21	7.6	T	.0	1
Wilmington	72	73	107	1,014.6	1,017.3	−3.7	54.4	−1.6	75	3	62	32	30	46	28	324	48	85	7.15	+5.2	2.83	11	8.9	ne.	27	e.	2	9	6	15	6.1	.0	.0	2
Charleston [4]	48	11	92	1,014.9	1,016.6	−4.1	57.0	−1.1	76	5	63	41	27	51	24	244	48	88	6.28	+4.1	2.09	11	11.0	n.	39	e.	2	7	6	17	6.8	.0	.0	1
Columbia, S. C. [4]	347	70	91	1,004.4	1,017.3	−4.0	52.0	−2.1	73	6	60	32	27	44	28	389	43	83	6.33	+4.4	2.16	14	7.9	ne.	33	ne.	2	8	6	16	6.5	.0	.0	1
Greenville, S. C. [2]	1,040	18	36	979.7	1,017.3	−3.4	48.5	−1.1	71	5	56	26	29	41	35	491	39	79	6.66	+3.5	1.75	12	9.7	ne.	35	ne.	2	10	3	17	6.5	.0	.0	0
Augusta [4]	182	62	77	1,010.5	1,017.3	−3.4	52.8	−1.7	73	24	61	32	27	45	31	364	42	78	7.77	+5.4	2.92	14	5.8	nw.	22	ne.	2	8	4	18	6.6	.0	.0	4
Savannah [2]	65	19	51	1,014.6	1,016.9	−3.8	57.4	+.6	78	5	66	35	27	49	31	231	50	84	5.51	+3.4	1.87	13	9.4	ne.	32	nw.	8	6	7	17	6.8	.0	.0	2
Jacksonville [4]	43	86	110	1,014.9	1,016.6	−3.7	63.5	+1.3	83	23	71	41	27	56	25	118	54	84	7.12	+5.1	2.79	8	8.5	ne.	25	sw.	15	7	6	17	6.8	.0	.0	4
FLORIDA PENINSULA																																		
							74.5	+3.3										83	2.65	+.3											5.5			
Key West [4]	21	10	64	1,013.5	1,014.2	−3.1	78.5	+4.2	87	17	84	67	29	73	16	0	70	80	2.91	+.7	2.13	6	8.4	e.	54	nw.	28	10	11	9	5.1	.0	.0	3
Miami [4]	25	242	249	1,013.9	1,014.9	−3.1	76.1	+3.6	85	12	81	61	9	72	16	0	68	86	2.56	−.7	1.30	9	11.5	s.	38	ne.	28	9	14	7	5.3	.0	.0	0
Tampa [2]	35	5	36	1,014.2	1,015.6	−3.7	68.9	+2.0	85	22	77	44	9	61	27	48	61	84	2.49	+.8	1.02	10	7.9	ne.	27	s.	11	9	8	13	6.2	.0	.0	5
EAST GULF																																		
							55.1	−1.2										82	9.14	+5.4											6.6			
Atlanta [2]	1,173	33	72	974.9	1,017.3	−4.0	48.8	−2.7	72	5	56	31	27	41	29	486	40	79	9.05	+5.9	3.02	15	11.3	e.	45	ne.	1	9	5	16	6.3	.0	.0	1
Macon [4]	370	79	87	1,003.7	1,016.9	−4.1	51.9	−2.3	74	5	60	30	29	44	32	390	42	77	8.72	+6.2	2.15	15	6.3	n.	26	ne.	1	9	1	20	7.0	.0	.0	2
Thomasville	273	48	58	1,006.1	1,016.3	−3.7	58.8	+.3	78	5	67	36	27	50	28	210	----	---	9.34	+6.7	3.11	11	----	------	--	------	--	9	3	18	----	.0	.0	5
Apalachicola	35	11	51	1,014.9	1,015.9	−4.4	62.2	+.9	81	5	69	42	27	56	22	132	55	84	9.00	+5.9	3.99	15	9.2	n.	27	se.	1	6	8	16	6.8	.0	.0	6
Pensacola [4]	56	54	79	1,014.2	1,016.6	−4.1	59.6	−.6	79	5	67	39	29	52	24	180	52	82	14.50	+10.8	5.40	12	8.1	ne.	32	sw.	11	6	5	19	7.1	.0	.0	5
Anniston	618	6	32	998.3	1,018.3	−1.7	49.2	−3.0	74	5	60	23	29	39	40	476	42	85	6.50	−3.3	2.59	11	----	ne.	--	------	--	8	8	14	6.5	.0	.0	1
Birmingham [2]	700	5	63	991.9	1,017.6	−4.1	50.2	−1.2	72	4	60	24	29	40	38	443	42	81	5.83	+2.5	1.55	11	8.6	e.	31	e.	1	6	9	15	6.4	.0	.0	0
Mobile [4]	57	86	161	1,014.6	1,016.9	−3.4	58.2	−.4	77	5	66	37	29	50	26	208	50	84	10.70	+7.1	2.30	12	8.2	n.	25	nw.	11	6	6	18	6.8	.0	.0	5
Montgomery [4]	218	92	105	1,009.8	1,017.3	−4.0	54.3	−1.5	74	5	62	35	27	46	27	322	45	77	7.08	+3.8	2.25	13	7.1	e.	22	se.	1	8	6	16	6.6	.0	.0	3
Meridian [4]	375	67	92	1,003.4	1,016.9	−4.4	53.2	−1.0	76	4	63	30	29	44	35	353	46	85	7.92	+4.6	3.04	14	5.7	ne.	22	e.	7	6	12	12	6.4	.0	.0	4
Vicksburg [4]	247	82	102	1,007.8	1,016.6	−4.7	54.0	−2.6	74	4	62	35	12	46	27	326	44	88	6.61	+2.9	2.01	14	8.2	n.	27	sw.	14	9	5	16	6.3	.0	.0	5
New Orleans [4]	53	76	84	1,014.2	1,015.9	−4.8	61.2	−.4	80	4	68	44	12	55	22	140	54	84	14.41	+11.3	3.72	17	7.1	ne.	20	ne.	18	5	9	16	6.9	.0	.0	6
WEST GULF																																		
							56.6	−1.9										76	3.73	+.3											5.9			
Shreveport [2]	249	5	64	1,007.8	1,017.3	−3.7	53.0	−2.0	80	4	63	33	29	43	34	363	44	80	4.93	+1.3	1.42	13	8.5	nw.	30	se.	6	12	4	14	5.6	.0	.0	2
Fort Smith [2]	463	6	30	1,000.2	1,016.6	−3.7	47.6	−3.4	72	4	57	28	25	38	36	519	38	78	2.28	−.6	.91	10	7.8	e.	25	w.	7	10	4	16	5.9	.0	.0	2
Little Rock [2]	357	26	58	1,004.4	1,017.6	−3.1	48.2	−3.9	68	5	56	30	12	40	31	506	40	80	6.27	+2.1	1.91	14	7.6	ne.	29	se.	21	10	4	16	6.0	.0	.0	3
Austin [2]	605	10	41	994.9	1,016.6	−3.4	56.4	−2.1	91	10	68	35	12	45	38	283	43	70	2.07	−.2	.74	11	9.0	n.	29	n.	1	11	9	10	5.3	.0	.0	2
Brownsville [2]	57	5	54	1,011.5	1,013.5	−4.8	69.0	+1.8	94	4	79	48	8	59	30	40	60	82	1.76	−.5	.60	13	10.4	n.	34	w.	26	5	6	19	6.9	.0	.0	5
Corpus Christi [2]	20	6	33	1,014.6	1,015.2	−4.1	64.2	+1.4	93	10	74	39	8	54	35	99	55	79	8.53	------	3.44	12	11.4	ne.	41	ne.	11	8	5	17	6.2	.0	.0	6
Dallas [2]	512	3	45	998.3	1,016.9	−3.4	51.3	−5.1	78	6	61	30	28	41	34	412	42	76	2.81	+.3	1.65	9	8.8	n.	34	nw.	6	14	3	13	5.2	.0	.0	3
Fort Worth [2]	679	40	56	992.6	1,017.3	−2.7	51.6	−2.9	78	6	60	35	11	43	32	400	40	70	2.23	−.4	1.53	8	10.5	n.	38	nw.	6	13	5	12	5.3	.0	.0	2
Galveston [4]	54	122	129	1,014.2	1,016.3	−4.0	62.6	−.7	81	6	68	49	25	57	26	121	54	82	3.66	+.3	1.86	11	12.8	n.	42	n.	7	7	5	18	6.7	.0	.0	4
Houston [4]	138	157	190	1,010.8	1,016.3	−4.0	60.2	−.8	85	10	68	44	12	52	25	182	50	78	5.47	+1.6	1.57	14	10.0	nw.	34	nw.	7	9	7	14	6.3	.0	.0	6
Palestine	510	64	72	999.0	1,017.3	−3.4	54.3	−2.9	82	4	63	35	12	45	34	333	42	68	3.19	−.2	1.15	11	7.1	n.	26	nw.	6	9	9	12	5.5	.0	.0	1
Port Arthur [4]	34	59	134	1,014.9	1,016.3	−3.7	59.8	−1.3	82	4	68	42	29	52	29	185	50	82	4.34	+1.2	1.57	13	13.0	n.	42	n.	7	8	6	16	6.4	.0	.0	4
San Antonio [2]	693	8	51	991.2	1,015.9	−3.7	57.4	−2.9	89	10	70	30	8	41	43	253	44	67	1.01	−.9	.31	10	9.3	ne.	31	w.	14	10	8	12	5.7	.0	.0	3

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR NOVEMBER 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							42.5	−1.4										78	2.88	−0.2											7.0			
Chattanooga [2]	762	6	66	989.8	1,017.6	−4.1	48.6	+.7	70	4	57	24	29	40	37	495	40	80	5.94	+2.6	2.44	13	7.1	s.	40	w.	24	9	6	15	6.2	.0	.0	1
Knoxville [6]	995	27	71	981.4	1,018.0	−3.3	47.8	+1.3	68	5	56	27	30	40	26	513	38	76	3.33	+.3	1.26	15	8.0	sw.	40	w.	24	8	6	16	6.6	.0	.0	0
Memphis [2]	399	5	49	1,002.7	1,016.9	−4.1	48.6	−1.5	70	6	58	25	30	39	32	493	40	79	5.07	+.8	2.00	12	7.6	n.	24	nw.	11	9	7	14	6.0	.0	.0	3
Nashville [2]	546	5	72	997.6	1,017.6	−4.1	47.4	−1.6	67	4	56	23	30	39	29	530	38	77	3.21	−.3	1.09	9	8.7	sw.	43	se.	7	6	12	12	6.3	.0	.0	0
Lexington [2]	989	4	58	981.0	1,018.3	−1.7	41.8	−3.0	65	10	50	15	30	34	28	696	34	80	3.32	.0	1.26	12	----	sw.	--	------	--	6	6	18	6.7	T	.0	0
Louisville [2]	525	5	54	998.3	1,017.6	−3.1	42.7	−2.3	65	10	51	16	30	35	28	671	34	75	2.30	−1.3	.79	11	8.1	sw.	33	se.	7	7	5	18	7.1	T	.0	1
Evansville [2]	431	6	40	1,001.7	1,018.0	−3.0	41.8	−2.6	63	6	50	15	30	33	31	694	36	84	2.18	−1.6	.62	14	8.4	w.	34	w.	24	5	5	20	7.3	T	.0	0
Indianapolis [2]	823	5	54	986.1	1,016.9	−3.1	37.8	−2.9	60	1	46	8	30	30	27	816	30	78	1.44	------	.32	12	11.1	w.	34	w.	8	7	3	20	7.2	.2	.0	0
Terre Haute [4]	575	4	36	996.6	1,018.0	−2.0	38.2	−4.2	62	1	46	8	30	30	28	802	32	79	1.15	−2.2	.28	10	9.8	w.	27	s.	10	4	7	19	7.6	.2	.0	0
Cincinnati [4]	627	135	148	994.6	1,018.0	−2.7	43.2	+.7	66	10	50	16	30	36	23	653	32	78	2.32	−.5	.83	12	5.1	w.	15	se.	7	8	3	19	7.0	T	.0	0
Columbus [4]	822	90	110	987.5	1,017.3	−3.0	40.5	−1.4	63	7	46	14	30	34	26	733	32	77	1.76	−1.0	.46	11	10.3	sw.	38	sw.	24	6	5	19	7.2	.4	.0	0
Dayton [2]	1,003	6	55	980.7	1,018.0	−2.0	38.2	−2.2	61	7	45	12	30	31	27	807	31	80	1.54	−1.3	.35	10	12.3	w.	45	se.	7	6	4	20	7.1	.2	.0	0
Elkins [2]	1,947	5	45	947.5	1,018.0	−3.7	39.4	+.1	61	5	48	10	30	31	35	768	32	78	3.00	+.2	.98	13	8.5	w.	39	w.	24	3	3	24	7.8	T	.0	1
Parkersburg	637	77	84	994.2	1,017.6	−3.4	43.0	−.8	65	10	50	18	30	36	32	661	33	72	3.54	+1.0	1.24	12	6.7	nw.	24	w.	24	5	5	20	7.2	.4	.0	0
Pittsburgh [2]	842	39	54	986.5	1,017.6	−2.4	39.2	−2.0	61	10	46	16	30	33	33	773	30	72	3.09	+.8	.81	11	10.9	sw.	41	w.	24	4	9	17	7.4	.6	.2	0
LOWER LAKES							37.4	−1.3										80	2.92	+.1											7.4			
Buffalo [2]	768	34	96	988.2	1,016.6	−1.4	38.0	−.5	65	3	44	17	30	32	29	810	30	77	4.01	+1.0	2.08	12	12.5	w.	36	sw.	24	3	9	18	7.2	9.9	.6	0
Canton	448	10	61	1,000.0	1,016.6	−.7	33.6	−1.4	63	3	42	7	27	26	36	944	28	84	3.20	.0	1.61	14	6.9	w.	25	w.	28	8	5	17	6.7	13.7	4.0	0
Oswego	335	71	85	1,004.4	1,016.9	−1.1	38.4	−1.0	64	3	44	20	30	33	25	797	30	72	3.75	+.4	1.37	18	10.0	se.	29	se.	7	2	8	20	7.8	17.7	6.3	2
Rochester [2]	523	4	69	997.6	1,017.6	−.7	37.4	+.7	62	7	45	15	30	30	34	829	30	83	2.59	.0	1.05	10	10.2	sw.	31	w.	24	3	11	16	7.4	2.0	1.0	0
Syracuse [2]	596	5	57	994.9	1,017.3	−1.3	37.2	.0	63	7	45	19	29	29	35	835	30	78	3.15	+.1	1.41	11	9.4	sw.	29	nw.	12	2	10	18	7.5	6.6	T	0
Erie [4]	714	57	81	990.2	1,016.9	−1.4	40.0	−1.4	60	2	46	21	30	34	22	748	31	80	6.22	+2.9	1.27	16	9.9	sw.	26	se.	7	4	5	21	7.7	35.1	11.8	1
Cleveland [2]	762	27	54	988.8	1,017.3	−1.7	38.2	−.8	61	7	45	12	30	32	30	806	31	80	2.01	−.6	.59	13	12.2	w.	37	w.	24	2	9	19	7.7	4.2	T	0
Sandusky	629	5	67	993.6	1,017.3	−1.3	38.5	−2.6	63	7	44	8	30	32	27	796	------	----	1.82	−.6	.47	13	10.2	sw.	26	sw.	24	4	11	15	7.1	3.5	.8	0
Toledo [2]	628	5	47	993.2	1,016.9	−2.4	36.8	−1.9	60	7	43	2	30	30	28	850	30	80	1.63	−.8	.43	12	11.2	sw.	34	sw.	7	1	10	19	7.9	4.5	.9	0
Fort Wayne [2]	857	5	34	985.1	1,016.9	−2.4	35.8	−3.0	58	1	42	10	30	29	24	874	30	84	1.91	−1.0	.55	11	9.0	w.	34	s.	7	6	2	22	7.5	1.0	T	0
Detroit [2]	730	5	77	989.8	1,016.9	−1.7	37.2	−2.0	58	3	43	13	30	31	20	835	30	78	1.80	−.6	.61	14	10.4	sw.	28	w.	22	3	6	21	7.5	3.1	1.7	0
UPPER LAKES							32.1	−2.4										82	2.39	.0											7.6			
Alpena	609	5	89	992.9	1,015.9	−1.0	34.4	.0	57	2	40	11	30	28	25	922	30	84	2.35	−.2	.77	14	10.6	sw.	45	se.	7	2	7	21	7.9	8.9	2.2	0
Escanaba	612	51	72	992.2	1,015.2	−1.7	31.8	−1.3	58	3	38	4	30	26	21	997	26	80	1.55	−.6	.91	11	10.6	w.	38	s.	7	6	9	15	6.7	6.9	1.0	0
Grand Rapids [4]	707	70	244	989.5	1,015.9	−2.1	36.8	−1.6	60	2	41	18	29	32	21	846	29	80	3.17	+.4	.83	14	11.2	sw.	39	sw.	7	1	7	22	8.5	17.2	3.1	0
Lansing [4]	878	5	90	983.7	1,016.6	−1.4	34.6	−2.9	58	2	41	11	30	28	23	910	28	80	1.99	−.5	.70	14	8.1	w.	24	sw.	7	3	8	19	7.9	10.0	3.4	0
Marquette	734	44	73	986.8	1,014.2	−2.4	30.5	−2.8	54	2	36	7	30	25	22	1,041	25	81	1.90	−1.0	.86	13	8.2	w.	29	s.	7	4	6	20	7.6	7.7	1.0	0
Sault Sainte Marie [2]	614	10	52	991.9	1,015.2	−1.4	30.6	+.2	60	3	37	2	30	24	24	1,034	26	88	2.74	−.3	.66	21	10.8	e.	39	se.	7	2	4	24	8.6	20.8	6.0	0
Chicago [2]	673	5	38	991.5	1,016.6	−2.0	34.6	−3.1	58	2	41	−1	30	28	24	914	28	78	2.63	+.1	.70	14	10.2	w.	34	sw.	7	4	8	18	7.4	6.2	3.4	0
Green Bay	617	5	32	992.9	1,016.3	−.6	30.8	−3.2	58	2	37	−1	30	25	24	1,023	24	78	1.84	−.3	.97	14	9.0	w.	30	se.	7	5	5	20	7.1	4.4	.2	0
Milwaukee [2]	681	33	66	990.9	1,016.3	−1.7	32.6	−3.3	55	5	38	−4	30	27	25	968	26	78	2.82	+1.0	.95	15	13.5	w.	48	sw.	7	7	5	18	6.8	9.0	4.0	0
Duluth [4]	1,133	5	47	972.2	1,015.2	−1.7	24.2	−5.8	47	5	30	−4	29	19	28	1,223	20	94	2.92	+1.5	1.35	14	12.5	w.	43	nw.	7	3	10	17	7.4	9.4	3.4	0
NORTH DAKOTA							22.2	−4.7										86	1.22	+.5											6.2			
Fargo [2]	940	5	47	980.4	1,016.3	−2.0	22.2	−4.9	51	3	30	−19	29	15	30	1,284	20	89	2.01	+1.1	.49	16	12.0	w.	34	nw.	8	3	4	23	8.0	19.0	14.6	0
Bismarck [2]	1,677	5	41	954.3	1,016.9	−2.4	23.5	−3.0	58	2	33	−4	24	14	41	1,244	19	84	1.00	+.4	.51	12	11.4	nw.	52	nw.	24	2	8	20	8.1	14.4	4.2	0
Devils Lake	1,478	11	44	960.7	1,016.6	−1.4	21.5	−3.0	54	2	28	−10	29	14	34	1,306	18	85	.97	+.2	.44	17	9.0	w.	26	nw.	7	3	7	20	7.9	10.5	7.5	0
Grand Forks [2]	832	4	41	985.1	1,016.9	−1.1	20.0	------	51	2	28	−18	29	12	30	1,352	18	88	1.35	------	.44	16	----	nw.	--	------	--	3	3	24	----	14.8	10.0	0
Williston	1,878	42	50	946.8	1,016.3	−2.3	24.0	−3.2	63	1	32	−1	18	16	34	1,229	20	86	.76	+.2	.22	13	7.2	nw.	25	nw.	24	6	8	16	6.9	7.7	1.2	0
UPPER MISSISSIPPI							34.4	−3.6										82	2.15	+.1											7.4			
Minneapolis-St. Paul [2]	919	43	74	981.0	1,016.3	−1.0	26.6	−5.8	61	3	33	−9	29	20	38	1,152	23	86	2.85	+1.6	.98	18	10.8	w.	43	w.	7	2	7	21	7.8	21.8	4.4	0
La Crosse [2]	714	5	29	989.2	1,016.3	−1.7	29.0	−4.7	56	1	36	−16	29	22	42	1,082	24	84	1.61	.0	.54	14	9.3	w.	37	w.	7	3	4	23	7.8	11.4	5.0	1
Madison [2]	974	27	39	980.0	1,016.6	−1.7	30.6	−3.6	62	2	37	−11	30	24	33	1,036	25	83	2.53	+.8	.63	15	11.0	w.	47	se.	7	7	3	20	7.1	15.5	8.3	1
Charles City	1,015	10	51	979.0	1,017.3	−1.3	29.8	−3.2	59	3	37	−3	30	22	34	1,052	------	----	1.98	+.4	1.00	18	6.7	nw.	25	nw.	7	6	6	18	7.2	10.4	3.4	1
Moline [2]	606	6	50	994.2	1,017.6	−1.4	33.8	−3.7	61	3	41	3	30	27	27	932	28	80	1.92	+.1	.51	11	10.2	w.	39	sw.	7	2	7	21	7.9	7.7	.6	2
Des Moines [4]	860	5	99	------	1,017.3	−1.3	34.6	−3.8	60	3	41	12	29	28	29	914	------	----	1.46	−.1	.72	9	10.3	w.	28	w.	8	4	6	20	7.5	4.9	.0	6
Dubuque	699	60	79	990.5	1,016.9	−1.7	32.4	−4.6	59	3	38	−1	30	26	28	981	26	78	1.84	+.1	.86	15	5.9	nw.	18	se.	7	3	10	17	7.4	10.2	2.8	1
Burlington [2]	702	4	36	990.9	1,017.3	−1.7	34.6	−4.0	61	3	42	7	30	27	28	913	30	84	1.89	−.2	.57	11	10.8	w.	34	w.	7	3	4	23	7.6	2.6	.0	1
Cairo	357	5	99	1,004.4	1,017.6	−3.1	45.6	−1.7	65	6	52	22	30	39	26	584	------	----	3.77	+.1	1.18	15	8.6	ne.	23	sw.	7	6	7	17	7.0	T	.0	2
Peoria [2]	609	7	26	994.2	1,017.3	−2.3	35.0	−1.5	61	4	42	3	30	28	28	895	28	78	2.54	+.2	.76	12	10.2	w.	36	sw.	7	4	6	20	7.5	3.6	.2	1
Springfield, Ill. [4]	636	5	191	993.6	1,017.6	−1.7	39.0	−3.2	61	4	45	12	30	33	21	780	32	81	.98	−1.5	.25	12	11.5	s.	30	w.	24	5	6	19	7.4	.3	.0	0
St. Louis [4]	568	33	59	996.3	1,017.3	------	41.6	−3.8	62	6	48	16	30	35	23	702	34	79	2.43	−.4	1.12	15	11.6	s.	33	s.	24	4	7	19	6.5	.5	.0	0
MISSOURI VALLEY							36.2	−3.9										80	1.75	+.2											7.0			
Columbia, Mo. [4]	784	6	66	988.2	1,017.3	−2.3	41.0	−3.1	67	6	48	16	30	34	28	721	30	74	1.65	−.6	.62	13	7.5	w.	22	sw.	7	6	5	19	7.2	.1	.0	0
Kansas City [2]	963	38	76	989.5	1,017.3	−2.3	40.0	−3.7	67	6	47	21	30	34	------	749	------	----	1.60	−.6	.73	9	10.5	ne.	34	nw.	27	7	6	17	6.8	T	.0	2
St. Joseph [2]	967	5	51	981.4	1,017.6	−1.7	38.0	−3.5	64	6	45	17	30	31	31	811	30	78	2.62	+1.0	.99	10	8.2	w.	26	w.	27	7	6	17	6.9	2.2	.0	2
Springfield, Mo. [2]	1,324	5	50	968.8	1,016.9	−3.1	41.9	−3.1	66	6	50	18	30	34	28	696	34	80	1.68	−1.1	.48	13	12.2	w.	37	s.	6	5	10	15	7.0	.4	.0	1
Topeka [4]	987	65	87	981.0	1,017.6	−1.7	39.7	−3.1	66	6	46	20	24	33	26	755	32	78	1.28	−.2	.46	9	8.6	w.	25	nw.	27	8	7	15	6.4	1.5	.0	2
Lincoln [4]	1,189	6	81	973.2	1,017.3	−2.0	36.0	−3.1	59	6	43	13	22	29	28	870	28	80	1.15	+.1	.50	8	9.8	nw.	28	w.	4	7	4	19	7.1	4.7	.0	0
Omaha [2]	1,105	5	68	976.6	1,017.6	−1.7	35.4	−2.9	60	6	42	13	23	29	28	886	28	78	1.23	+.2	.46	10	11.7	n.	34	n.	25	7	5	18	6.9	7.9	.0	0
Valentine	2,598	46	54	922.8	1,017.6	−2.0	27.8	−6.8	57	30	37	−5	22	19	42	1,114	24	84	1.51	+1.0	.52	9	9.1	w.	28	nw.	23	7	9	14	6.6	13.5	.1	0
Huron [2]	1,301	5	41	968.5	1,017.3	−2.0	25.8	−5.7	51	1	35	−6	29	17	42	1,179	22	92	3.01	+2.4	.79	14	11.9	nw.	42	nw.	24	3	5	22	8.0	28.2	4.5	0
NORTHERN SLOPE							29.3	−3.8										79	1.14	+.6											7.1			
Billings [2]	3,570	16	39	890.3	1,017.3	−3.4	30.9	−4.5	68	1	38	4	22	24	29	1,025	24	74	.63	------	.30	11	11.3	sw.	32	nw.	7	3	8	19	7.4	9.3	.0	0
Havre	2,507	11	67	926.5	1,018.3	−1.0	27.4	−3.8	71	1	36	−2	22	19	38	1,129	21	77	.38	−.2	.17	6	7.4	sw.	28	sw.	23	3	5	22	8.0	4.9	.0	0
Helena [2]	4,124	5	43	873.4	1,020.0	−.7	27.8	−4.0	67	1	36	−7	22	19	34	1,117	24	84	1.40	+1.0	.66	15	6.8	w.	29	w.	7	2	3	25	8.0	13.4	T	0
Missoula [2]	3,205	4	32	903.5	1,021.0	+.3	30.2	−1.2	60	1	36	9	21	25	23	1,050	27	90	2.41	+1.5	.45	17	4.4	se.	26	nw.	1	1	2	27	9.0	17.7	1.0	0
Kalispell	2,973	48	56	913.0	1,019.0	−1.7	31.2	−1.2	56	1	36	15	21	26	24	1,014	27	82	1.22	−.1	.38	15	4.2	w.	16	n.	8	1	5	24	8.4	13.2	.3	0
Miles City [2]	2,371	5	28	931.3	1,018.0	−2.7	29.2	------	68	1	39	0	22	20	34	1,072	21	74	.31	------	.09	8	----	nw.	--	------	--	6	9	15	6.7	2.8	.0	0
Rapid City [2]	3,259	5	56	899.8	1,017.3	−3.0	28.3	−6.3	64	2	39	−7	22	18	35	1,103	20	78	.76	+.3	.29	10	14.6	nw.	55	nw.	23	9	6	15	6.1	8.1	.0	0
Cheyenne [2]	6,094	22	40	809.3	1,017.3	−2.3	28.8	−6.0	57	1	39	−6	22	19	33	1,084	20	73	.78	+.3	.31	10	12.1	nw.	40	w.	11	8	16	6	5.1	10.0	T	0
Lander [2]	5,352	6	30	833.1	1,018.3	−3.7	26.6	−3.7	57	1	37	−5	22	16	31	1,153	18	76	.89	+.3	.31	9	3.9	se.	30	w.	8	7	11	12	6.0	13.3	.8	0
Sheridan [2]	3,790	5	38	883.2	1,018.6	−1.7	27.6	−5.1	71	1	37	−10	22	18	42	1,121	22	85	2.13	+1.5	.51	18	7.5	nw.	45	nw.	23	7	6	17	6.9	23.9	T	0
North Platte [4]	2,821	11	51	915.3	1,016.6	−3.4	34.0	−2.6	61	30	43	9	22	24	40	933	26	81	1.60	+1.1	.57	9	7.0	nw.	24	n.	6	7	7	16	6.6	5.2	.0	0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR NOVEMBER 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							39.9	−3.6										73	1.14	0.0											5.6			
Denver [4]	5,292	106	113	835.1	1,015.9	−3.1	34.9	−4.9	67	1	45	8	22	25	34	903	21	67	.57	.0	.21	8	7.1	s.	26	w.	7	13	10	7	4.9	7.5	.0	0
Pueblo [2]	4,690	5	36	854.4	1,016.3	−3.3	34.4	−3.9	69	26	49	7	22	20	51	917	22	68	.42	+.1	.31	5	6.4	nw.	38	n.	6	14	8	8	4.6	1.7	.0	0
Concordia	1,392	50	58	966.5	1,017.3	−2.7	37.8	−3.6	59	5	45	10	22	30	37	815	29	75	.98	.0	.59	7	8.1	se.	26	nw.	6	8	6	16	6.2	3.3	.0	0
Dodge City [2]	2,509	5	58	927.2	1,016.9	−3.1	37.4	−5.2	65	5	47	5	22	28	42	826	30	78	1.37	+.6	.76	7	15.2	se.	34	nw.	6	10	6	14	6.1	5.3	.0	0
Wichita [2]	1,358	52	64	967.5	1,018.3	−1.0	41.6	−3.2	64	5	50	22	23	34	29	703	32	72	.89	−.5	.46	7	13.4	nw.	40	nw.	6	13	3	14	5.6	T	.0	1
Oklahoma City [4]	1,214	10	47	973.2	1,017.3	−2.7	46.6	−2.2	71	6	55	25	11	38	34	554	36	74	1.68	−.2	1.00	8	8.2	s.	23	nw.	6	11	5	14	5.8	.0	.0	1
Tulsa [2]	674	10	60	992.2	1,016.9	----	46.4	−2.5	69	6	55	23	30	37	31	562	37	76	2.06	.0	1.00	9	10.3	nw.	38	w.	6	12	2	16	5.7	T	.0	2
SOUTHERN SLOPE							48.4	−2.0										66	1.22	−.2											5.2			
Abilene [2]	1,738	4	59	954.3	1,015.9	−3.7	50.1	−2.5	79	5	59	32	28	41	35	448	38	70	1.24	−.1	.55	7	13.2	s.	44	s	9	11	8	11	5.4	T	.0	0
Amarillo [2]	3,676	5	42	888.1	1,016.0	−3.3	40.8	−3.0	73	5	54	17	7	28	41	727	28	70	.92	.0	.70	5	13.9	s.	33	w.	23	10	10	10	5.2	T	.0	0
Del Rio	960	63	71	981.4	1,015.2	−3.8	59.0	−1.0	86	10	69	36	8	49	35	203	44	65	1.81	+.6	1.37	6	7.9	se.	35	n.	10	13	7	10	5.2	.0	.0	1
Roswell	3,566	75	85	890.6	1,015.6	−3.4	43.8	−1.3	76	5	58	18	11	30	49	632	25	58	.93	+.1	.43	6	8.6	n.	34	w.	14	11	9	10	5.2	.0	.0	0
SOUTHERN PLATEAU							48.8	−3.1										52	.53	−.2											4.3			
El Paso [2]	3,778	36	85	885.5	1,014.2	−3.8	49.4	−1.7	79	2	61	26	8	38	38	473	28	50	.53	.0	.34	5	10.7	n.	42	w.	6	13	9	8	4.5	.0	.0	0
Albuquerque [2]	4,972	45	45	846.9	1,014.6	−4.0	40.5	−2.8	73	2	52	20	22	29	37	734	22	53	.45	.0	.30	6	8.7	n.	40	nw.	6	10	15	5	4.8	5.7	.0	0
Flagstaff	6,907	34	48	788.7	1,018.3	----	32.8	−4.4	71	1	46	8	7	19	49	966	18	63	.88	−.4	.42	9	----	w.	--	------	--	14	8	8	4.4	12.0	.0	0
Phoenix [4]	1,107	39	87	975.3	1,014.9	----	56.6	−3.1	92	1	69	34	7	44	39	262	35	55	.60	−.1	.24	4	5.8	e.	18	e.	28	18	4	8	3.6	.0	.0	0
Tucson [2]	2,555	5	39	925.2	1,014.2	−.7	54.2	−3.5	90	1	67	28	7	41	41	337	32	49	.70	−.1	.33	5	----	se.	--	------	--	13	8	9	4.6	.0	.0	1
Yuma	142	9	54	1,009.5	1,014.6	−1.7	59.2	−3.2	90	1	72	35	23	46	37	186	33	41	T	−.3	T	0	5.6	n.	24	nw.	10	16	8	6	3.7	.0	.0	0
MIDDLE PLATEAU							33.7	−4.9										73	1.00	+.3											6.8			
Reno [2]	4,527	20	52	864.9	1,021.3	+.3	35.5	−4.2	64	1	51	8	22	20	43	884	24	66	.06	−.6	.05	2	5.8	s.	43	w.	1	5	11	14	6.6	3.0	.0	0
Winnemucca	4,339	5	56	870.3	1,021.3	+1.1	33.1	−5.3	72	1	44	−8	22	22	41	955	27	76	1.67	+1.0	.57	10	7.0	sw.	31	nw.	8	3	10	17	7.1	11.3	.0	1
Modena	5,473	10	46	------	------	----	30.0	−6.4	68	1	43	0	22	17	40	1,052	----	---	.71	+.1	.44	6	7.6	w.	30	sw.	2	12	4	14	5.7	10.0	.0	0
Salt Lake City [2]	4,357	32	58	867.9	1,019.3	−2.0	35.5	−3.9	72	1	42	16	6	29	32	885	29	79	1.88	+.7	.51	13	7.5	se.	30	se.	2	3	6	21	7.7	11.4	.0	0
Grand Junction [2]	4,602	5	26	859.5	1,019.0	−.6	34.5	−4.8	69	2	44	12	23	25	31	915	24	70	.69	+.1	.37	7	6.0	e.	32	s.	2	5	8	17	6.8	7.1	T	0
NORTHERN PLATEAU							36.8	−1.5										81	1.44	.0											8.0			
Baker [4]	3,471	36	54	898.1	1,021.7	−.7	34.0	−2.0	60	1	41	11	22	27	21	929	28	81	1.33	+.3	.36	15	4.9	se.	22	n.	2	0	7	23	8.4	11.0	.0	0
Boise [2]	2,739	5	49	923.1	1,021.0	−2.0	36.1	−3.6	73	1	44	17	22	29	30	864	31	82	1.27	.0	.36	12	8.7	se.	33	nw.	2	4	7	19	7.4	6.2	.0	0
Pocatello [2]	4,478	5	31	863.9	1,020.7	−1.3	32.6	−1.5	70	1	39	16	21	26	43	975	26	79	1.32	+.3	.45	15	10.0	sw.	33	sw.	8	3	6	21	7.7	8.6	.0	0
Spokane [2]	1,929	6	51	949.9	1,020.3	−1.0	34.8	−3.7	52	1	41	18	22	29	18	907	31	85	1.67	−.4	.43	15	4.4	ne.	23	nw.	8	0	6	24	8.9	5.8	.0	1
Walla Walla	991	57	65	984.8	1,021.7	+.4	42.6	−.2	59	25	48	27	22	38	----	670	----	---	2.30	+.3	.75	16	4.6	s.	25	w.	10	0	4	26	8.7	T	.0	1
Yakima [2]	1,076	4	54	981.0	1,021.0	−.3	40.4	+2.3	61	10	51	23	23	30	33	739	32	78	.73	−.5	.32	8	----	w.	--	------	--	6	6	18	6.9	1.1	.0	0
NORTH PACIFIC COAST							46.4	+.4										85	3.75	−2.7											7.9			
North Head	211	5	55	1,013.2	1,021.0	+3.0	47.8	−.4	60	27	52	36	21	43	15	518	44	86	6.49	−2.0	.99	23	12.5	nw.	35	nw.	13	5	7	18	7.2	.0	.0	0
Seattle [4]	125	90	321	1,016.6	1,021.3	+2.7	45.9	−.9	58	1	50	33	23	42	13	572	42	88	3.66	−1.4	.85	22	7.0	se.	24	s.	6	0	7	23	8.6	.0	.0	1
Tacoma	194	172	201	1,013.9	1,021.0	+2.7	44.7	+.1	58	1	49	31	23	40	14	613	----	---	2.91	−3.4	.84	19	7.3	s.	34	sw.	10	1	10	19	8.3	0	.0	0
Tatoosh Island	86	5	61	1,017.6	1,021.0	+3.4	46.4	+.5	55	1	50	37	22	43	12	557	42	86	5.05	−6.9	.90	20	14.7	e.	49	e.	14	5	8	17	7.0	.0	.0	0
Medford [2]	1,329	29	58	974.6	1,023.4	+2.4	43.8	−.1	64	25	52	24	23	36	30	637	39	84	1.99	−.4	.74	14	----	n.	--	------	--	3	5	22	7.8	.0	.0	0
Portland, Oreg. [4]	154	68	106	1,016.3	1,022.0	+2.4	48.4	+1.6	62	7	53	32	23	44	16	498	42	84	3.31	−2.8	1.28	22	4.8	nw.	17	sw.	6	3	4	23	8.1	.0	.0	0
Roseburg	510	45	76	1,004.1	1,023.0	+2.7	47.8	+1.9	69	25	54	28	23	42	27	512	43	84	2.82	−1.8	1.05	17	3.0	n.	14	sw.	4	1	4	25	8.2	.0	.0	0
MIDDLE PACIFIC COAST							51.8	−1.9										72	1.26	−1.9											4.9			
Eureka	60	72	88	1,021.0	1,023.4	+3.1	49.0	−2.1	65	26	55	35	22	43	21	478	44	82	1.72	−3.5	1.17	8	6.2	n.	24	n.	9	10	8	12	5.7	.0	.0	0
Red Bluff [2]	353	5	26	1,007.1	1,020.0	----	52.0	−1.8	72	26	63	31	24	41	34	390	36	60	.89	−2.1	.70	5	6.9	nw.	25	w.	4	15	5	10	4.8	.0	.0	0
Sacramento [4]	66	92	115	1,016.9	1,019.3	0	51.0	−2.6	68	27	61	31	23	41	26	419	39	70	1.02	−.9	.67	4	6.6	n.	23	sw.	9	14	10	6	4.5	.0	.0	0
San Francisco [4]	155	112	132	1,014.2	1,020.0	+.7	55.3	−1.0	69	26	61	43	23	49	19	291	42	74	1.39	−1.0	1.00	3	6.7	w.	29	w.	1	13	9	8	4.6	.0	.0	0
SOUTH PACIFIC COAST							56.0	−1.5										63	.40	−.5											4.3			
Fresno [2]	327	5	34	1,006.8	1,019.3	−.3	50.6	−1.8	76	29	64	27	23	37	36	435	37	66	.43	−.5	.30	4	4.0	nw.	31	nw.	5	11	11	8	4.9	.0	.0	0
Los Angeles	338	236	263	1,004.1	1,016.6	−1.0	59.0	−1.9	82	26	69	43	23	49	30	182	40	56	.06	−1.1	.04	3	7.0	w.	34	nw.	5	14	12	4	3.8	.0	.0	1
San Diego [2]	87	20	55	1,013.2	1,016.3	−.6	58.4	−.9	76	26	68	40	23	49	28	198	46	68	.72	.0	.59	3	6.1	ne.	23	sw.	9	12	10	8	4.2	.0	.0	1
WEST INDIES																																		
San Juan, P. R.	82	9	54	1,010.5	1,013.2	----	78.9	+.5	90	1	83	71	30	74	14	0	72	80	2.62	−4.2	.96	15	9.8	e.	34	ne.	23	4	17	9	5.9	.0	.0	1
PANAMA CANAL																																		
Balboa Heights [6]	118	6	92	------	------	----	79.4	------	90	4	86	69	29	73	----	------	----	---	10.25	------	3.10	24	4.2	nw.	19	n.	18	0	11	19	----	.0	.0	14
Cristobal [6]	27	37	92	------	------	----	80.0	------	88	27	85	72	29	75	----	------	----	---	12.43	------	2.46	23	5.7	s.	23	nw.	19	5	7	18	----	.0	.0	12
ALASKA																																		
Anchorage [2]	132	6	44	1,000.7	1,005.8	----	27.6	+5.2	52	22	34	4	15	22	23	1,126	24	88	1.23	+0.1	.29	11	5.0	n.	19	se.	24	1	0	29	9.1	11.5	2.2	0
Fairbanks [2]	4	5	63	992.2	1,010.2	----	12.3	+8.9	47	22	17	−20	17	7	31	1,680	8	90	.66	.0	.20	9	4.0	nw.	17	sw.	12	5	9	16	7.0	10.6	8.9	0
Juneau [2]	80	6	30	1,010.8	1,013.9	----	37.4	+4.1	47	22	41	21	20	34	16	827	34	87	4.89	−1.8	.64	26	10.0	e.	33	se.	12	0	2	28	9.6	6.7	.0	0
Nome [2]	22	10	75	1,004.8	1,005.4	----	17.6	+1.7	44	23	25	−12	11	10	27	1,424	16	90	1.49	+.5	.46	15	14.0	e.	45	ne.	21	8	3	19	6.5	10.1	5.3	0
Barrow	29	5	27	1,020.0	1,020.0	----	4.6	+4.6	25	30	10	−12	26	0	24	1,824	4	93	.16	.0	.04	9	14.0	ne.	36	e.	22	1	5	24	8.2	3.5	12.5	0
Bethel [2]	28	5	31	999.9	1,001.4	----	21.6	+4.9	45	21	28	−5	16	16	33	1,300	22	94	1.32	+.4	.32	19	11.0	ne.	38	------	11	2	6	22	8.0	9.2	.7	0
Cordova [2]	45	5	32	1,004.2	1,006.1	----	36.2	+6.7	49	1	42	14	5	30	24	863	36	94	15.17	+6.6	3.97	25	----	e.	--	------	--	0	2	28	9.3	2.1	.0	0
Galena	139	4	66	1,002.0	1,006.8	----	10.2	------	34	21	16	−26	17	4	23	1,652	6	76	.78	------	.20	15	----	n.	40	e.	27	1	10	19	8.0	9.4	5.4	0
Gambell	32	5	32	1,005.1	1,006.4	----	19.2	−3.3	35	1	22	6	10	16	12	1,474	18	92	.70	−.2	----	10	25.0	ne.	51	ne.	26	0	5	25	9.0	3.8	2.5	----
Ketchikan	25	69	90	1,016.3	1,016.9	----	41.1	+.9	50	28	45	29	15	37	13	715	39	92	12.41	−7.8	2.27	26	6.0	ne.	24	se.	11	0	2	28	9.0	T	.0	0
Kotzebue [2]	20	5	31	1,009.1	1,009.5	----	12.4	+6.6	35	22	18	−13	15	7	25	1,569	10	84	.80	+.5	----	13	13.0	se.	38	e.	27	7	4	19	6.9	7.6	8.4	----
McGrath [2]	341	5	31	994.6	1,007.8	----	9.2	+6.8	41	22	18	−27	17	1	35	1,671	9	89	1.46	+.4	.85	14	----	nw.	22	ne.	23	1	5	24	8.5	19.7	10.5	0
Northway [2]	1,718	5	32	947.2	1,012.9	----	7.2	+9.5	23	24	14	−20	19	1	26	1,735	6	90	.51	+.2	.20	10	24.0	e.	29	w,nw.	10	0	5	25	8.8	5.5	11.1	0
HAWAII																																		
Honolulu	38	86	98	1,014.2	1,015.6	----	75.9	+1.4	82	10	80	68	28	71	12	0	68	74	1.14	−2.7	.41	10	7.1	ne.	20	e.	30	11	13	6	4.9	0.0	.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.