CLIMATOLOGICAL DATA FOR APRIL 1949

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.

As of January 1, 1949, dewpoint values below 32° F. and relative humidity values at temperatures below 32° F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygrometric values before and after January 1, 1949, cannot accurately be combined without necessary conversion.

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	62.3	−1.2	Centreville	91	25	Valley Head	28	17	5.79	+1.16	Gulf Shores	11.79	Greensboro	1.68
Arizona	59.7	+1.8	Mohawk	108	23	Maverick	−8	2	.38	−.28	Pierce Ferry	1.35	11 stations	.00
Arkansas	60.0	−1.6	Nimrod Dam	92	25	2 stations	23	[1]2	2.75	−2.21	Alum Fork	6.58	Paragould	.43
California	59.6	+.8	3 stations	109	[1]23	Big Bear Lake Dam	8	1	.16	−1.39	Gasquet Ranger Station.	2.16	161 stations	.00
Colorado	45.6	+1.7	Holly	95	24	Lake Moraine	−10	3	1.14	−.65	Rye	2.82	Buna Vista	T
Florida	71.3	+1.3	Stuart	96	4	Glen Saint Mary	34	17	5.16	+2.15	De Funiak Springs	12.33	Stuart	.45
Georgia	62.6	−1.6	Eastman	91	25	Blairsville Exp. Sta	23	17	5.71	+1.87	Columbus	9.47	Waynesboro	2.63
Idaho	48.5	+3.3	Riggins RS	90	28	Chilly 4 SE	−2	14	.54	−.89	Burke 2 NNE	2.85	4 stations	.00
Illinois	51.6	−.9	Carlyle	88	23	Freeport	13	16	1.77	−1.79	Rockford CAA	3.00	New Burnside	.60
Indiana	50.6	−1.3	Seymour 1N	85	27	3 stations	23	[1]9	2.01	−1.60	Salamonia	3.47	Seymour 1N	.60
Iowa	49.3	+.4	Onawa	91	25	Fayette	4	16	1.32	−1.29	Harlan	2.65	Lake Park	.65
Kansas	54.1	−.7	St. Francis	94	24	Atwood	7	1	2.20	−.43	Topeko WBO	5.58	Elkhart	.33
Kentucky	53.9	−2.6	Princeton	86	23	Benham	22	17	3.52	−.48	Barbourville Water Works.	6.38	Lovelaceville	1.19
Louisiana	65.1	−2.1	Plain Dealing	91	25	2 stations	32	16	6.53	+1.82	Glenmora	16.15	Oak Ridge	1.38
Maryland-Delaware.	52.7	+.4	6 stations	87	[1]15	do	19	[1]10	2.77	−.75	Pikesville Police Barracks, Md.	4.69	Cumberland, Md	1.67
Michigan	44.4	+1.5	Vanderbilt St. Forest	84	30	Vanderbilt St. Forest	9	16	1.62	−.77	Sandusky	4.05	Grand Marais CAA	.07
Minnesota	45.0	+1.9	Winnebago	87	26	Meadowlands 2 NE	8	1	.74	−1.36	Farmington 3 NW	2.85	3 stations	T
Mississippi	63.1	−1.6	4 stations	90	[1]22	2 stations	31	[1]16	5.11	+.22	Pearlington	12.22	Ashland	2.08
Missouri	54.3	−1.1	Clinton	90	25	Ellsberry	21	19	1.66	−2.34	Carthage	3.14	St. Louis University	.68
Montana	48.7	+5.3	Mildred	94	28	West Yellowstone	2	1	.57	−.55	Red Lodge	2.27	6 stations	.00
Nebraska	50.6	+1.2	Big Springs	95	24	Imperial	8	1	1.53	−1.11	Valentine	3.15	Indianola	.55
Nevada	52.3	+4.0	Overton	103	24	Marlette Lake	0	1	.24	−.58	Mount Charleston Lodge.	1.06	4 stations	.00
New England	46.3	+2.6	2 stations	83	30	Tuckerman Ravine, N. H.	11	25	3.47	+.13	Tuckerman Ravine, N. H.	6.86	Clayton Lake, Maine	1.32
New Jersey	51.8	+2.0	do	86	[1]15	Layton 3 NW	19	5	3.73	+.12	Little Falls Water Co.	5.89	Deepwater	1.72
New Mexico	51.8	+.2	Carlsbad	96	27	Red River	0	5	.92	+.04	Lake Maloya	4.47	7 stations	.00
New York	45.6	+1.3	Dansville AP	86	30	Saranac Lake	14	1	3.33	+.30	Terry Clove	6.33	Linden	1.36
North Carolina	58.1	.0	Mount Gilead	88	23	Mount Mitchell	12	[1]16	4.46	+.88	Cedar Mountain	11.72	Nashville	1.96
North Dakota	46.3	+5.2	2 stations	94	[1]29	Willow City	0	1	.20	−1.51	Carson 2 SW	2.34	Tioga	.00
Ohio	48.9	−1.0	Ironton	86	26	Millport 2 NW	17	17	2.67	−.56	Centerburg Water Works.	5.34	New Lexington 1N	.92
Oklahoma	58.9	−1.6	Altus Dam	94	8	4 stations	22	[1]1	2.07	−1.43	Antlers Recorder	9.50	2 stations	.23
Oregon	50.1	+2.9	2 stations	89	[1]16	Fremont	10	3	.83	−1.15	Astoria	4.61	Owyhee Dam	.00
Pennsylvania	48.3	−.4	Newport	87	27	Putneyville 2 SE	11	2	3.65	+.19	Long Pond	5.91	Hollidaysburg	1.99
South Carolina	61.2	−1.4	Parr	90	18	Long Creek 2 N	25	17	5.06	−1.78	Jocassee	11.99	Charleston WB City	2.09
South Dakota	49.2	+3.2	Pickstown	93	26	Hardy Ranger Station.	−1	1	1.16	−.19	Lead	3.01	Webster	.09
Tennessee	56.5	−2.3	2 stations	85	[1]23	2 stations	21	17	4.15	−.22	Sassafras Knob	7.46	Samburg	1.67
Texas	62.2	−3.9	do	104	14	do	23	[1]1	3.96	+1.05	Freeport	13.11	Brite Ranch	.00
Utah	51.7	+3.3	Hite	96	24	Bryce Canyon CAA	1	3	.52	−.61	Alton Storage gage	2.15	Callao	.00
Virginia	53.9	−.8	2 stations	89	[1]15	Big Meadows	18	17	3.50	+.22	Trout Dale	8.68	Chinoteague	1.19
Washington	49.8	+1.2	Richland 2 SW	88	18	Bumping Lake	10	1	1.30	−1.09	Quinault R. S	8.14	4 stations	.00
West Virginia	50.8	−1.1	4 stations	87	26	2 stations	18	10	3.52	−.01	Rainelle No. 1	5.91	Omps	1.00
Wisconsin	45.2	+1.4	Brule Island	88	12	Winter P. K. Reservoir.	5	16	1.64	−.86	2 stations	3.47	Port Wing	.28
Wyoming	45.6	+4.4	Red Bird	88	24	Lake Yellowstone	−10	1	.95	−.70	Alva	3.21	Pinedale	.05
Alaska	21.4	+7.7	2 stations	60	[1]1	Shungnak	−40[1]	29	1.85	+.01	Latouche	14.35	2 stations	T
Hawaii (March)	67.9	−1.6	Kaanapali	88	20	Haleakala R. S	34	16	4.24	−4.36	Kukui	42.00	13 stations	.00
Puerto Rico	75.6	−.4	Dos Bocas	96	14	Garzas Dam Guineo Reservoir.	50	2	1.55	−2.43	San Loranzo (Espino)	5.04	Arecibo (3)	.00

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR APRIL 1949

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: Averages: Mean maximum	Temperature of the air: Averages: Mean minimum	Temperature of the air: Averages: Mean	Temperature of the air: Averages: Departure from normal	Temperature of the air: Extremes: Highest	Temperature of the air: Extremes: Date	Temperature of the air: Extremes: Lowest	Temperature of the air: Extremes: Date	Total heating degree days	Mean temperature of the dew point	Mean relative humidity [8]	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	Precipitation: Days with 0.01 inch or more	Precipitation: Days with thunderstorms	Precipitation: Total snowfall (unmelted)	Precipitation: Snow, sleet, and ice on ground at end of month	Wind: Average hourly speed	Wind: Prevailing direction	Wind: Speed of fastest mile: Miles per hour	Wind: Speed of fastest mile: Direction	Wind: Speed of fastest mile: Date	Character of day (sunrise to sunset) number of days: Clear	Character of day: Partly cloudy	Character of day: Cloudy	Sky cover,[7] tenths (sunrise to sunset)	Possible sunshine
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs.	° F.	° F.	° F.	° F.	° F.		° F.			° F.	%	In.	In.	In.			In.	In.	m. p. h.					0-3	4-7	8-10	0-10	%
NEW ENGLAND									45.0	+3.7							68	3.61	+.2														6.6	
Caribou [2]	628	5	33	987.8	1,011.3	------	49	31	40.1	+4.5	73	13	22	25	744	29	69	2.11	−.7	.64	13	0	7.1	0	12.6	nnw.	---	------	---	2	8	20	7.7	--
Eastport	75	67	82	1,008.5	1,011.5	−2.4	49	36	42.6	+3.6	60	21	28	25	672	----	--	2.57	−.3	.70	12	2	.7	0	9.8	n.	41	e.	6	5	9	16	7.2	50
Portland, Me. [2]	103	6	43	1,009.1	1,011.7	−3.2	56	35	45.6	+5.5	73	23	26	29	585	37	73	3.72	+.3	1.61	11	2	.4	0	8.1	s.	53	e.	19	6	7	17	6.7	62
Concord [2]	289	5	45	999.7	1,012.1	−2.8	59	34	46.4	+4.8	80	22	20	1	556	32	61	2.77	.0	.92	11	1	T	0	8.4	wnw.	35	e.	6	6	9	15	7.1	42
Mt. Washington	6,274	5	37	799.9	1,016.3	------	29	17	23.3	−.1	45	13	3	25	1,252	----	--	6.53	−.4	2.65	6	2	34.3	2	35.1	nw.	---	------	---	2	6	22	8.2	23
Burlington [2]	403	6	51	999.7	1,012.3	−2.6	56	34	45.1	+1.8	78	22	21	1	596	36	71	2.34	+.2	.72	12	4	.2	0	8.9	s.	34	s.	22	5	10	15	7.0	39
Boston [2]	124	33	62	1,011.2	1,012.4	−2.5	59	42	50.8	+4.4	77	21	33	25	423	35	60	3.23	−.1	.78	14	2	T	0	13.4	sw.	50	e.	6	8	10	12	5.9	63
Nantucket [2]	12	4	34	1,012.9	1,013.1	−1.5	53	40	46.1	+2.7	60	27	30	18	567	40	81	4.45	+1.5	1.29	13	2	.0	0	15.0	sw.	50	se.	6	9	7	14	5.9	55
Block Island	26	11	46	1,012.2	1,012.9	−2.0	54	42	47.5	+3.5	66	14	35	17	528	41	80	3.42	−.1	1.13	14	2	.0	0	16.4	sw.	65	sw.	6	6	12	12	5.8	60
Providence [2]	159	65	60	1,006.8	1,012.9	−2.3	62	42	52.1	+5.5	78	21	34	25	386	36	62	5.17	+2.0	2.17	11	2	.0	0	10.1	wnw.	45	sw.	6	7	11	12	5.9	63
Hartford [2]	159	5	44	1,007.5	1,013.1	−2.1	62	39	50.4	+3.7	78	14	28	5	445	37	64	3.78	+.4	1.39	12	3	.0	0	10.5	s.	44	sw.	6	5	13	12	6.3	67
New Haven [2]	107	5	39	1,009.1	1,013.0	−2.6	58	41	49.6	+4.7	75	14	32	11	467	38	62	3.19	.0	1.06	6	2	.0	0	8.0	n.	34	se.	6	7	15	8	5.9	65
MIDDLE ATLANTIC									53.0	+2.0							62	2.95	−.1														6.1	
Albany [2]	97	6	40	1,002.0	1,012.5	−3.1	60	37	48.5	+4.1	80	30	26	5	494	34	61	2.35	+.2	.60	13	0	T	0	9.7	wnw.	35	w.	16	3	13	14	7.0	59
Binghamton [4]	871	57	79	982.7	1,013.9	−1.7	58	36	47.2	+1.9	80	30	25	5	530	34	68	2.84	+.4	.78	14	1	T	0	6.9	w.	26	sw.	15	7	8	15	6.5	55
New York [4]	314	415	454	1,012.5	1,014.2	−1.4	66	45	53.3	+3.9	78	27	35	17	356	37	58	3.84	+.6	1.23	13	3	.0	0	16.1	nw.	57	w.	6	8	11	11	5.9	63
Allentown [2]	385	4	58	1,000.0	1,014.3	------	62	38	50.2	+1.5	81	15	27	5	498	37	64	3.88	+.5	1.24	14	0	T	0	9.7	w.	---	------	---	8	10	12	5.9	--
Harrisburg [2]	374	30	49	1,001.4	1,014.3	−1.6	62	41	51.2	+.3	82	26	30	5	420	35	58	3.20	+.5	1.17	12	1	T	0	8.5	wnw.	38	nw.	23	9	7	14	6.3	66
Philadelphia [4]	114	174	150	1,013.2	1,014.1	−2.1	63	46	54.0	+1.9	83	15	37	17	335	39	61	2.46	−.6	.75	11	1	.0	0	8.4	w.	29	s.	15	9	11	10	5.5	58
Reading	323	47	306	1,002.4	1,014.6	−1.3	63	43	52.8	+2.0	80	15	33	5	371	----	--	4.34	+1.1	1.62	14	4	T	0	12.7	w.	51	e.	6	7	12	11	5.9	67
Scranton	805	72	104	984.4	1,013.9	−2.0	59	39	49.2	+1.1	78	15	28	5	471	----	--	3.85	+1.1	1.13	14	2	T	0	7.2	n.	26	nw.	24	8	10	12	5.8	46
Atlantic City	52	37	172	1,011.9	1,014.3	−1.6	58	45	51.4	+3.6	74	27	35	2	408	42	71	2.58	−.4	.57	11	1	T	0	16.3	w.	54	se.	6	9	7	14	6.1	64
Newark [2]	30	5	46	1,012.5	1,014.9	------	64	43	53.2	+3.0	85	15	34	5	364	38	59	4.13	+.4	1.19	12	3	.0	0	12.0	wsw.	---	------	---	9	10	11	6.0	--
Trenton	190	89	107	1,006.8	1,013.5	−2.1	62	43	53.0	+3.2	82	15	31	1	365	----	--	2.92	.0	.80	14	3	.5	0	10.1	sw.	36	nw.	23	11	6	13	5.8	65
Baltimore [4]	123	100	215	1,010.5	1,015.0	−.9	64	46	55.0	+1.4	85	15	37	17	312	39	60	2.44	−.9	.64	12	2	.0	0	11.2	se.	45	sw.	15	8	12	10	5.9	58
Washington [4]	112	56	100	1,012.5	1,015.0	−.9	65	46	55.4	+2.1	86	26	35	17	297	39	59	2.01	−1.3	.72	9	1	.0	0	8.3	s.	31	nw.	24	5	13	12	6.5	52
Cape Henry	18	8	54	1,014.2	1,014.9	−1.4	65	50	57.3	+2.7	87	15	42	5	248	----	--	1.37	−1.9	.49	11	2	.0	0	13.4	n.	40	n.	24	7	9	14	5.9	52
Lynchburg [2]	686	5	58	981.4	1,015.3	−1.0	65	43	54.2	−1.4	83	26	30	17	324	39	60	3.91	+1.0	1.12	11	3	T	0	7.8	ssw.	38	w.	15	8	8	14	6.3	60
Norfolk [4]	91	80	125	1,014.6	1,015.6	−1.0	67	50	58.8	+2.0	86	15	39	17	206	44	67	1.71	−1.5	.60	14	2	.0	0	10.5	n.	35	sw.	24	8	8	14	6.4	60
Richmond [4]	144	11	52	1,008.8	1,014.9	−1.4	67	46	56.6	.0	86	15	34	17	265	42	63	2.31	−1.2	.57	13	4	T	0	8.2	e.	39	sw.	15	8	9	13	6.0	64
SOUTH ATLANTIC									61.2	.0							67	4.05	+1.0														5.7	
Asheville	2,253	77	92	------	1,015.4	−1.2	65	43	54.2	+.3	83	26	27	17	322	41	--	4.14	+1.1	.92	11	3	T	0	9.5	nw.	35	nw.	24	6	10	14	6.9	61
Charlotte [4]	779	63	86	988.2	1,014.4	−2.2	69	49	59.0	−.8	84	23	33	17	200	44	63	5.48	+2.2	1.57	11	1	.0	0	8.1	sw.	32	nw.	24	9	9	12	6.1	67
Greensboro [2]	886	6	56	984.1	1,016.1	−.8	68	44	55.8	−.5	83	15	29	17	288	41	62	3.93	+.4	1.11	10	2	.0	0	10.0	sw.	36	sw.	15	10	6	14	6.2	57
Hatteras	11	5	47	1,015.2	1,015.8	−.5	66	55	60.6	+.8	73	15	45	17	145	54	78	4.15	+.6	1.75	11	4	.0	0	13.3	sw.	32	nw.	24	10	10	10	5.6	74
Raleigh [4]	376	5	71	1,000.0	1,015.9	−.7	70	48	58.8	−.6	85	27	32	17	211	45	68	2.39	−1.1	.70	10	2	.0	0	8.0	sw.	36	sw.	15	6	12	12	6.0	43
Wilmington	72	73	107	1,014.6	1,016.2	−.7	70	53	61.8	−.2	81	24	38	17	127	51	--	3.79	+1.1	1.09	11	3	T	0	10.8	sw.	37	s.	13	13	8	9	4.9	68
Charleston [4]	48	11	92	1,014.2	1,016.1	−.8	73	58	65.6	+1.1	85	24	41	17	59	52	69	2.09	−.4	.77	10	3	.0	0	11.7	sw.	42	e.	5	13	7	10	5.0	71
Columbia, S. C. [4]	347	70	91	1,007.8	1,015.9	−1.0	72	51	61.8	−1.5	85	23	35	17	137	47	64	5.26	+2.4	1.93	11	3	.0	0	10.0	ne.	33	sw.	8	14	5	11	5.2	60
Greenville, S. C. [2]	1,040	18	36	978.3	1,015.6	−1.0	68	48	58.2	−.4	86	23	32	17	221	43	62	5.77	+2.0	1.69	10	1	.0	0	10.2	ne.	66	nw.	24	12	4	14	5.6	63
Augusta [4]	182	62	77	1,000.7	1,016.0	−.3	74	52	63.0	−1.2	86	24	35	17	108	46	59	3.77	+.6	1.05	9	1	.0	0	7.0	w.	28	w.	8	11	6	13	5.5	63
Savannah [4]	65	19	51	1,014.9	1,015.0	−1.9	75	57	66.0	+1.7	87	8	38	17	53	54	69	2.96	+.4	1.42	12	3	.0	0	11.8	sw.	50	nw.	24	9	10	11	5.7	54
Jacksonville [4]	43	86	110	1,015.6	1,016.8	−.5	78	62	69.9	+1.2	89	24	46	17	14	59	75	4.86	+2.5	1.78	10	8	.0	0	9.3	w.	27	w.	13	8	7	15	6.2	53
FLORIDA PENINSULA									75.7	+2.2							70	2.93	+.7														5.4	
Key West [4]	21	10	64	1,015.6	1,016.3	+.4	84	73	78.6	+2.9	87	25	62	9	0	68	72	1.68	+.4	1.18	3	3	.0	0	9.3	e.	34	w.	6	12	16	2	4.5	74
Miami [4]	25	242	249	1,015.2	1,016.4	−.5	80	70	75.2	+1.3	86	13	56	17	0	65	71	4.41	+1.0	2.30	9	6	.0	0	13.8	s.	35	ne.	25	8	16	6	5.1	79
Tampa [2]	35	5	36	1,015.9	1,016.6	−.3	84	63	73.4	+2.5	90	22	49	17	3	60	68	2.70	+.7	1.41	9	5	.0	0	8.6	e.	43	s.	12	5	10	15	6.6	57
EAST GULF									64.2	−.7							70	7.13	+2.7														6.5	
Atlanta [2]	1,173	33	72	981.4	1,015.8	−.8	70	50	59.8	−1.3	83	24	35	17	180	45	64	6.99	+3.3	2.62	11	2	.0	0	12.8	e.	39	nw.	24	11	4	15	6.0	55
Macon [4]	370	79	87	1,003.1	1,015.9	−.7	73	52	62.4	−1.5	86	24	34	17	127	49	62	5.24	+2.1	2.20	11	5	.0	0	7.4	e.	25	nw.	24	10	7	13	6.2	56
Apalachicola	35	11	51	1,014.9	1,015.9	−1.0	74	62	68.2	+1.1	86	24	49	17	20	----	--	9.68	+6.9	4.08	9	6	.0	0	9.5	sw.	47	se.	26	8	7	15	5.9	71
Pensacola [4]	56	54	79	1,013.9	1,016.2	−.7	74	60	67.0	+.3	81	24	48	17	32	57	--	11.41	+7.4	5.30	15	8	.0	0	9.0	w.	26	ne.	11	7	7	16	6.4	67
Anniston	618	6	32	993.6	1,016.1	−.8	71	48	59.3	------	84	24	31	17	184	49	72	3.48	−.9	1.12	11	1	.0	0	7.2	ene.	---	------	---	9	4	17	9.2	--
Birmingham [2]	700	5	63	993.2	1,015.9	−1.0	71	59	60.5	−1.2	87	24	33	17	164	47	66	4.90	+.1	1.26	12	3	.0	0	10.5	ssw.	32	s.	10	9	5	16	6.1	53
Mobile [4]	57	86	161	1,007.8	1,015.9	−.7	75	59	67.0	+.7	88	24	43	17	38	57	76	10.69	+6.1	6.15	11	8	T	0	11.9	se.	59	n.	21	7	11	12	5.9	56
Montgomery [4]	218	92	105	1,008.1	1,015.8	−1.1	74	54	63.8	−1.5	86	24	42	17	89	52	70	4.18	−.1	1.40	14	0	.0	0	7.8	w.	31	se.	11	9	5	16	6.2	55
Meridian [4]	375	67	92	1,004.1	1,016.0	−.3	74	52	63.1	−.9	90	24	33	17	112	52	73	5.77	+1.0	1.65	12	5	T	0	7.5	s.	---	------	---	7	7	16	6.4	--
Vicksburg [4]	247	82	102	1,006.1	1,015.6	−.7	72	56	63.6	−2.0	85	25	45	16	108	53	--	4.67	−.5	3.08	11	6	T	0	8.7	nw.	27	n.	27	4	9	17	7.3	45
New Orleans, C. O.	53	76	84	1,013.5	------	------	76	61	68.3	−.5	86	24	52	6	32	----	--	9.72	+4.5	3.83	13	5	.0	0	6.6	se.	21	e.	1	6	10	14	6.2	65
New Orleans, A. P. [2]	30	6	52	1,013.5	1,015.6	−.7	76	59	67.3	------	86	26	43	17	45	58	76	8.78	------	----	11	8	.0	0	7.8	s.	---	------	---	5	11	14	6.6	--

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR APRIL 1949—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: Averages: Mean maximum	Temperature of the air: Averages: Mean minimum	Temperature of the air: Averages: Mean	Temperature of the air: Averages: Departure from normal	Temperature of the air: Extremes: Highest	Temperature of the air: Extremes: Date	Temperature of the air: Extremes: Lowest	Temperature of the air: Extremes: Date	Total heating degree days	Mean temperature of the dew point	Mean relative humidity [6]	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	Precipitation: Days with 0.01 inch or more	Precipitation: Days with thunderstorms	Precipitation: Total snowfall (unmelted)	Precipitation: Snow, sleet, and ice on ground at end of month	Wind: Average hourly speed	Wind: Prevailing direction	Wind: Speed of fastest mile: Miles per hour	Wind: Speed of fastest mile: Direction	Wind: Speed of fastest mile: Date	Character of day (sunrise to sunset) number of days: Clear	Character of day: Partly cloudy	Character of day: Cloudy	Sky cover, tenths (sunrise to sunset)	Possible sunshine
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs.	° F.	° F.	° F.	° F.	° F.		° F.			° F.	%	In.	In.	In.			In.	In.	m. p. h.					0-3	4-7	8-10	0-10	%
WEST GULF									65.4	−2.2							73	4.60	+1.2														7.1	
Shreveport [2]	181	5	64	1,008.8	1,015.6	+.4	74	54	64.2	−2.0	88	24	37	16	110	54	74	2.86	−1.8	.90	11	5	.0	0	11.6	sse.	34	w.	9	6	6	18	7.0	45
Fort Smith [2]	463	6	30	998.3	1,015.0	+1.1	72	50	60.6	−1.2	89	24	35	16	185	46	61	3.78	−.2	3.13	8	5	.0	0	8.2	ene.	29	w.	14	9	5	16	6.5	68
Little Rock [2]	265	26	58	1,002.7	1,015.7	+.8	71	53	62.0	−.1	89	24	40	16	153	48	63	2.07	−3.1	.78	8	4	.0	0	9.5	nw.	31	sw.	6	6	7	17	6.7	51
Austin [2]	621	5	41	992.9	1,015.4	+1.9	74	53	63.5	−4.3	87	7	40	6	121	54	75	6.91	+2.6	2.55	15	8	.0	0	9.1	se.	40	ne.	15	5	9	16	7.0	49
Brownsville [2]	20	5	54	1,010.2	1,012.7	+.2	81	65	72.8	−.9	89	14	48	6	18	64	78	1.49	−.2	.59	11	5	.0	0	13.4	se.	37	se.	30	4	8	18	7.3	40
Corpus Christi [2]	44	6	33	1,012.2	1,014.6	+1.1	77	61	69.0	.0	92	14	44	6	34	61	79	4.83	+3.0	1.37	11	9	T	0	12.5	sse.	46	w.	1	5	7	18	7.1	41
Dallas [2]	488	34	45	997.3	1,015.3	+1.4	72	54	63.4	−1.7	89	7	42	5	128	50	68	2.52	−1.7	.65	12	5	T	0	8.1	n.	34	s.	13	6	5	19	6.9	42
Fort Worth [2]	706	40	56	990.2	1,015.5	+2.0	73	54	63.6	−.5	91	7	42	3	124	49	64	2.47	−1.6	.66	10	3	.0	0	13.6	s.				6	5	19	7.2	
Galveston [4]	54	122	129	1,013.9	1,015.3	+.1	70	61	65.9	−2.8	80	28	48	5	60	61	83	5.76	+2.7	1.79	12	9	.0	0	13.0	e.	42	e.	19	6	6	18	7.0	39
Houston [4]	138	157	190	1,012.5	1,015.3	+.4	74	59	66.4	−2.9	85	27	47	5	72	58	78	6.53	+3.0	1.94	15	9	.0	0	10.4	se.	44	ne.	1	6	4	20	7.5	34
Laredo [2]	418	10	38	994.6	1,013.5		80	60	70.4	−4.8	99	14	44	5	36	56	66	7.66	+6.5	4.89	12	10	T	0	11.1	e.				4	8	18	7.1	
Palestine	510	64	72	997.3			72	55	63.5	−2.5	86	7	43	3	122			2.43	−2.0	.78	9	4	.0	0	7.2	s.	28	s.	25	4	6	20	7.7	52
Port Arthur [4]	34	59	134	1,014.2	1,015.2	.0	73	60	66.4	−2.1	82	28	48	16	66	59	82	6.11	+3.1	2.15	13	9	T	0	13.4	s.	43	ne.	20	6	4	20	7.2	47
San Antonio [2]	794	6	51	986.1	1,015.0	+1.8	75	55	64.6	−4.5	89	13	39	5	96	53	72	8.99	+5.8	2.06	12	9	.0	0	8.7	ne.	38	ne.	15	4	7	19	7.5	45
OHIO VALLEY AND TENNESSEE									53.0	−.9							66	3.23	−.5														6.7	
Chattanooga [2]	762	6	66	990.9	1,015.9	−.7	69	48	58.2	+.6	84	23	30	17	217	46	67	4.96	+.1	1.73	11	2	.0	0	6.4	ne.	34	nw.	24	8	5	17	6.3	57
Knoxville [2]	995	27	71	980.7	1,015.9	−.4	67	47	56.8	−.5	80	23	30	17	260	43	64	4.04	−.1	2.10	12	2	T	0	11.4	ne.	36	sw.	7	6	9	15	6.7	54
Memphis [4]	399	5	49	1,005.1	1,015.5	−.4	67	52	59.8	−2.0	83	23	41	16	190	48	66	6.77	+2.0	5.26	10	2	.0	0	8.5	e.	31	sw.	14	7	7	16	6.6	59
Nashville [2]	546	5	72	993.9	1,015.7	−.9	66	47	56.9	−2.1	80	14	32	19	257	47	72	5.27	+1.1	2.37	11	3	.0	0	8.8	nne.	34	sw.	14	8	2	20	6.9	48
Lexington [2]	989	4	58	980.0	1,016.3	−.3	62	42	51.8	−2.5	79	26	30	17	393	41	69	3.34	−.2	.85	16	2	T	0	10.0	wnw.				4	10	16	7.0	
Louisville [2]	525	5	54	998.0	1,015.9	−.4	64	45	54.4	−.4	80	26	33	17	327	40	62	3.07	−.8	.85	14	3	T	0	8.8	nne.	56	sw.	15	7	6	17	6.9	55
Evansville [2]	431	6	40	1,002.0	1,016.3	+.4	63	44	53.7	−1.2	78	22	33	4	345	42	67	2.73	−1.2	1.40	9	3	T	0	9.2	wnw.	42	sw.	15	7	8	15	6.7	52
Indianapolis [2]	823	5	54	986.1	1,015.9	0	61	40	50.2	−.6	76	25	25	9	442	39	67	1.62	−2.0	.51	11	1	T	0	11.5	wnw.	49	w.	15	6	10	14	6.3	57
Terre Haute [2]	575	4	36	994.2	1,016.1	+.9	63	40	51.6	−.9	80	29	28	9	403	40	67	1.47	−2.2	.39	12	2	T	0	10.8	sse.	37	w.	15	8	9	13	6.1	65
Cincinnati [4]	627	135	148	984.1	1,016.2	−.1	63	45	53.8	−.5	82	26	34	16	342	38	63	1.76	−1.4	.29	16	1	T	0	5.3	nw.	18	nw.	7	5	9	16	6.8	56
Columbus [4]	822	90	110	985.4	1,015.8	−.1	60	42	50.6	−.6	78	26	31	4	429	38	68	2.84	.0	.96	15	3	T	0	9.9	n.	40	sw.	14	5	10	15	6.5	61
Dayton [2]	1,003	6	55	981.7	1,015.9	.0	59	39	49.0	−1.5	76	26	28	9	478	37	67	1.59	−1.6	.29	15	1	.2	0	12.0	e.	47	s.	14	3	12	15	6.8	56
Elkins [2]	1,947	5	45	944.1	1,015.9	−1.0	59	35	46.8	−.6	77	26	22	10	542	36	70	3.79	+.2	.81	16	3	T	0	7.7	w.	43	nw.	7	4	8	18	7.7	46
Parkersburg	637	77	84				63	41	51.8	−1.6	81	26	30	17	391			2.60	−.6	.76	11	2	T	0	7.2	se.	29	nw.	8	7	7	16	6.6	55
Pittsburgh [2]	842	39	54	969.9	1,015.2	−1.4	60	39	49.6	+.4	76	30	27	17	464	33	58	2.57	−.4	.82	17	4	1.3	0	10.7	sw.	40	w.	22	5	9	16	6.7	52
LOWER LAKES									46.4	+1.4							66	2.78	+.3														5.9	
Buffalo [2]	768	34	96	986.1	1,014.6	−1.0	55	36	45.5	+1.7	82	30	26	17	583	33	68	2.42	−.1	.71	13	4	.5	0	13.2	sw.	47	sw.	26	7	9	14	6.3	65
Canton	448	10	61	996.3	1,012.5	−2.1	54	35	44.5	+2.6	75	22	24	1	614	32	66	4.24	+2.1	1.56	14	3	.8	0	8.2	w.	27	sw.	15	6	7	17	6.6	45
Oswego	335	71	85	1,000.7	1,013.5	−1.7	51	38	44.8	+2.2	75	22	31	16	606			3.41	+1.1	1.00	12	2	.2	0	9.0	w.	34	n.	27	11	6	13	5.8	53
Rochester [2]	523	4	69	993.6	1,014.2	−1.7	56	36	46.0	+1.1	79	30	26	17	570	33	66	2.11	−.2	.44	11	1	T	0	11.2	wsw.	56	w.	26	9	12	9	5.8	63
Syracuse [2]	596	5	57	999.0	1,014.1	−1.5	58	36	46.8	+3.8	79	30	26	25	547	34	65	3.60	+1.1	1.12	14	2	T	0	9.1	sw.	35	w.	23	7	10	13	6.6	51
Erie [4]	714	57	81				52	39	45.6	+.5	71	30	27	17	583			2.67	−.1	.88	16	3	.7	0	7.6	w.	29	w.	23	11	7	12	5.4	55
Cleveland [2]	762	27	54	987.5	1,015.5	−.1	58	37	47.4	+1.2	76	30	25	17	526	35	68	2.78	+.3	.61	16	5	.9	0	10.6	sw.	50	w.	23	8	10	12	5.9	59
Sandusky	629	5	67	992.6			56	40	47.7	+.5	73	27	30	17	523			2.96	+.4	.61	15	2	T	0	8.5	sw.	27	w.	23	10	9	11	5.3	59
Toledo [2]	628	5	47	992.2	1,015.5	−.4	58	36	47.0	+.9	74	30	25	4	536	35	67	2.52	−.1	.84	12	2	.8	0	10.9	ene.	42	nw.	23	9	9	12	5.6	70
Fort Wayne [2]	857	5	34	984.8	1,015.6	−.3	59	37	47.9	−.8	75	13	25	9	514	36	64	1.84	−1.2	.59	13	2	2.4	0	8.2	n.	42	sw.	14	6	15	9	6.0	68
Detroit [2]	730	5	77	992.6	1,015.6	−.3	58	37	47.2	+1.6	77	26	27	2	534	33	61	2.03	−.4	.86	12	2	.3	0	10.3	nw.	56	nw.	23	11	7	12	5.3	66
UPPER LAKES									44.4	+3.1							63	1.52	−.9														4.5	
Alpena	609	5	89	992.6			53	33	42.8	+4.2	74	12	20	17	662			2.28	.0	1.11	6	1	10.4	0	10.8	nw.	32	ne.	15	12	9	9	4.9	72
Escanaba	612	51	72	993.2			50	33	41.4	+3.5	67	22	21	2	711			.97	−1.3	.37	6	0	2.3	0	12.4	s.	47	n.	15	16	5	9	4.2	68
Grand Rapids [4]	707	70	244	989.5	1,015.7	−.2	59	37	48.1	+1.1	78	30	27	17	507	32	62	1.73	−1.0	.81	9	0	1.6	0	10.5	sw.	60	sw.	26	15	8	7	4.0	74
Lansing [2]	878	5	90	983.4	1,015.6	.0	57	35	46.2	+.9	76	30	25	9	563	32	62	1.87	−.7	.93	10	2	.3	0	12.3	nw.	52	w.	23	14	8	8	4.4	72
Marquette	734	44	73	988.2			53	35	43.7	+5.9	80	12	22	2	641			.64	−1.8	.30	5	1	1.4	0	8.8	n.	30	sw.	29	10	10	10	5.6	66
Sault Sainte Marie [2]	614	10	52	988.5	1,015.7	−.6	51	29	40.0	+3.5	79	30	20	17	748	28	65	.60	−1.5	.41	7	1	T	0	11.0	nw.	38	nw.	13	10	8	12	5.4	70
Chicago [2]	673	5	38	993.2	1,016.1	+.2	59	37	47.8	+.9	75	30	26	16	515	34	61	2.14	−.4	1.25	10	3	.5	0	9.8	nne.	36	w.	23	13	8	9	4.6	72
Green Bay	617	5	32	993.6			56	34	44.6	+1.4	77	30	17	2	611			2.69	.0	1.63	8	2	4.1	0	8.5	n.	43	n.	14	16	10	4	3.6	74
Milwaukee [2]	681	33	66	990.5	1,016.4	+.8	54	35	44.8	+2.6	71	21	25	16	606	32	64	1.38	−1.3	.59	9	1	.3	0	12.5	nne.	42	sw.	22	12	8	10	4.3	75
Duluth [4]	1,133	5	47	963.8	1,016.2	+.3	55	34	44.4	+7.4	78	29	24	16	620	30	65	.95	−1.1	.47	6	1	5.9	0	11.6	sw.	37	w.	22	18	3	9	3.9	73
NORTH DAKOTA									47.8	+7.4							60	.54	−1.1														5.2	
Fargo [2]	940	5	47	982.1	1,015.5	.0	60	33	46.8	+6.2	85	30	20	24	554	32	61	.02	−2.2	.02	1	0	T	0	15.5	s.	42	w.	22	12	10	8	4.9	73
Bismarck [2]	1,677	5	41	954.6	1,014.9	−.7	64	34	48.9	+8.5	86	29	19	18	494	33	58	1.70	+.2	1.22	3	0	.0	0	12.6	sse.	57	nw.	22	13	6	11	5.1	75
Devils Lake	1,478	11	44	960.0			57	34	45.4	+6.6	85	29	15	1	592			.15	−1.4	.15	1	0	T	0	9.6	s.	35	nw.	22	11	12	7	4.6	72
Williston	1,878	42	50	946.2			64	36	50.2	+8.2	91	29	24	14	460			.29	−.9	.27	4	2	.0	0	8.4	w.	42	nw.	22	8	6	16	6.4	88
UPPER MISSISSIPPI									50.2	+.3							62	1.47	−1.5														5.0	
Minneapolis-St. Paul [2]	919	43	74	985.1	1,016.4	+2.2	58	36	47.1	+.7	80	30	22	1	537	32	58	1.89	−.3	1.25	6	1	9.3	0	10.4	sw.	37	w.	23	14	9	7	4.5	72
La Crosse [2]	672	5	29	991.5	1,016.4	+1.5	59	34	46.8	+1.2	80	30	17	16	545	33	62	1.29	−1.1	.56	8	3	3.9	0	9.7	s.	50	w.	23	12	12	6	4.6	81
Madison [2]	974	27	39	984.4	1,016.7	+1.1	60	33	46.4	+1.0	77	30	16	16	560	33	63	1.10	−1.7	.56	8	3	3.2	0	10.4	ne.	47	w.	23	13	10	7	4.5	76
Charles City	1,015	10	51	980.4	1,017.6	+2.4	61	35	47.9	+1.5	89	25	22	16	513			1.54	−1.0	1.10	7	2	5.3	0	6.9	se.	28	nw.	23	17	9	4	3.3	78
Moline [2]	606	6	50	994.6	1,016.9	+1.7	62	37	49.4	+.6	82	25	25	16	471	34	58	1.10	−1.6	.77	8	1	1.1	0	9.9	e.	43	nw.	23	11	10	9	4.8	70
Des Moines [4]	860	5	99	981.7	1,016.9	+2.3	63	39	50.8	+.7	88	25	28	16	431	37	62	1.13	−1.8	.63	4	2	1.5	0	9.9	n.	38	n.	14	9	10	11	5.4	65
Dubuque	699	60	79	990.9	1,016.3	+1.1	61	38	49.4	+.8	81	25	26	16	471	24	62	1.94	−.9	1.16	8	3	5.8	0	6.0	nw.	26	nw.	23	13	10	7	4.6	77
Burlington [2]	702	4	36	990.5	1,016.6	+1.4	63	37	50.0	−1.4	85	25	22	16	440	37	62	1.23	−2.0	.76	8	0	.3	0	11.4	nw.	45	nw.	17	10	11	9	5.2	69
Cairo	357	5	99	1,002.7			67	50	58.4	−.7	82	23	36	16	218			.95	−2.8	.70	7	4	.0	0	9.1	ne.	35	w.	14	8	6	16	6.6	60
Peoria [2]	609	7	26	994.2	1,016.6	+1.0	62	39	50.6	+.7	79	25	26	16	434	36	61	2.75	−.6	.98	9	2	1.2	0	11.5	ene.	40	nw.	17	11	7	12	5.4	66
Springfield, Ill. [4]	636	5	49	993.6	1,014.9	.0	62	40	50.8	+.5	78	25	27	19	422	39	66	1.95	−1.6	.76	9	4	.1	0	12.3	nw.	40	sw.	14	11	7	12	5.5	65
St. Louis [4]	568	33	59	995.3	1,016.0	+.8	63	46	54.4	−1.7	82	22	33	16	321	40	62	.82	−3.0	.32	6	3	T	0	11.4	ne.	40	sw.	14	10	5	15	6.1	66

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR APRIL 1949—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: Averages: Mean maximum	Temperature of the air: Averages: Mean minimum	Temperature of the air: Averages: Mean	Temperature of the air: Averages: Departure from normal	Temperature of the air: Extremes: Highest	Temperature of the air: Extremes: Date	Temperature of the air: Extremes: Lowest	Temperature of the air: Extremes: Date	Total heating degree days	Mean temperature of the dew point	Mean relative humidity [6]	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	Precipitation: Days with 0.01 inch or more	Precipitation: Days with thunderstorms	Precipitation: Total snowfall (unmelted)	Precipitation: Snow, sleet, and ice on ground at end of month	Wind: Average hourly speed	Wind: Prevailing direction	Wind: Speed of fastest mile: Miles per hour	Wind: Speed of fastest mile: Direction	Wind: Speed of fastest mile: Date	Character of day (sunrise to sunset) number of days: Clear	Character of day: Partly cloudy	Character of day: Cloudy	Sky cover, tenths (sunrise to sunset)	Possible sunshine
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs.	° F.	° F.	° F.	° F.	° F.		° F.			° F.	%	In.	In.	In.			In.	In.	m. p.h.					0-3	4-7	8-10	0-10	%
MISSOURI VALLEY									52.6	+1.5							61	2.11	−.8														5.3	
Columbia, Mo. [4]	784	6	66	987.1	1,015.9	+1.3	65	43	54.0	−.8	86	25	29	16	338	39	63	2.70	−1.1	.93	8	3	.3	0	7.6	w.	34	w.	17	12	6	12	5.5	58
Kansas City [2]	963	38	76	988.8	1,016.3	+1.7	66	45	55.1	+.3	88	25	30	4	315	39	59	2.03	−1.5	1.44	8	3	T	0	8.2	sw.	49	nw.	14	9	8	13	5.8	55
St. Joseph [2]	967	5	51	986.1	1,016.1	+1.9	66	42	54.0	+.5	87	25	29	4	344	39	61	2.09	−1.1	.95	7	3	.3	0	11.2	s.	45	nw.	14	12	8	10	5.1	64
Springfield, Mo. [2]	1,324	5	50	969.9	1,016.1	+.2	68	44	55.8	+.6	84	25	27	4	325	41	65	1.75	−2.1	.73	9	4	T	0	9.1	nw.	49	ne.	14	10	7	13	6.1	59
Topeka [4]	987	65	87	984.1	1,016.4	+2.5	66	44	55.1	+.4	88	25	31	4	314	41	67	5.58	+2.8	2.55	7	3	T	0	9.0	s.	37	nw.	14	9	9	12	5.8	58
Lincoln [4]	1,189	6	81	973.2	1,016.4	+2.2	65	42	53.3	+1.8	86	25	30	1	358	37	62	1.29	−1.2	.65	5	0	1.5	0	9.6	n.	38	e.	30	13	5	12	5.2	70
Norfolk, Nebr. [2]	1,551	5	38	960.4	1,016.7	------	63	38	50.5	+1.8	88	25	27	4	442	35	60	1.18	−1.5	.54	7	3	2.1	0	15.4	n.	--	------	--	12	11	7	4.6	--
Omaha [2]	1,105	5	68	980.0	1,016.7	+2.1	64	41	52.8	+1.8	87	25	29	1	374	37	59	1.20	−1.3	.41	5	2	2.1	0	12.0	n.	46	n.	14	9	12	9	5.3	63
Valentine	2,598	46	54	923.8	1,015.9	+1.3	63	35	49.1	+3.4	88	24	19	1	478	35	55	3.15	+1.3	2.17	6	1	T	0	10.0	n.	32	s.	29	9	9	12	5.3	78
Sioux City [2]	1,138	5	40	976.3	1,016.7	+2.1	64	36	50.2	+3.0	89	25	27	4	450	36	62	1.79	−.9	1.17	6	2	6.2	0	11.1	nw.	37	s.	30	9	13	8	5.1	76
Huron [2]	1,301	5	41	969.2	1,016.4	+1.2	64	33	48.8	+3.7	82	30	20	18	488	33	59	.40	−1.8	.31	2	1	T	0	14.3	s.	56	se.	30	13	9	8	4.7	76
NORTHERN SLOPE									49.0	+5.0							50	.77	−.5														5.9	
Billings [2]	3,570	16	39	889.9	1,013.8	−1.4	66	39	52.8	+6.8	84	28	24	1	362	26	40	.74	------	.37	4	0	.0	0	11.8	sw.	47	nw.	21	10	10	10	5.3	77
Butte	5,533	44	58	829.7	1,018.3	------	58	26	42.1	+3.0	74	23	11	1	686	24	55	.64	−.4	.38	6	2	1.5	0	9.5	nw	---	------	---	7	10	13	6.2	--
Glasgow	2,086	34	53	938.7	1,013.5	------	69	36	52.4	+7.9	88	28	24	14	381	23	37	T	−1.0	T	0	0	.0	0	----	------	---	------	---	7	12	11	6.1	--
Great Falls [2]	3,657	16	75	887.2	1,014.0	------	64	39	51.0	+5.3	79	18	29	9	418	24	39	.41	−.7	.30	3	0	T	0	16.3	sw.	54	sw.	20	7	9	14	6.6	79
Havre	2,507	11	67	924.8	1,013.9	−1.0	67	36	51.8	+8.1	86	28	24	2	398	----	--	.05	−.9	.05	2	1	.0	0	10.0	sw.	34	sw.	5	9	8	13	5.8	79
Helena [2]	4,124	5	43	873.4	1,016.2	+1.3	63	32	47.8	+4.3	80	23	20	1	519	27	49	.61	−.5	.26	4	1	T	0	9.3	w.	39	w.	20	8	12	10	6.0	77
Missoula [2]	3,263	4	32	902.8	1,017.7	+2.8	63	31	47.0	+3.1	79	27	22	1	539	29	54	.12	−.8	.09	3	0	T	0	6.1	w.	31	nw.	23	3	9	18	7.0	64
Kalispell	2,973	48	56	912.0	1,015.6	+1.0	59	35	47.0	+3.4	75	27	26	1	541	----	--	.58	−.2	.26	7	1	T	0	6.8	sw.	26	sw.	23	4	14	12	6.5	58
Miles City [2]	2,371	5	28	929.9	1,014.3	−1.6	67	38	52.4	------	86	28	25	1	382	30	--	.29	------	.28	3	0	T	0	10.2	sse.	---	------	---	10	9	11	5.7	--
Rapid City [2]	3,259	5	56	901.8	1,015.1	−.5	64	35	49.8	+5.7	83	29	18	1	459	30	52	2.06	+.6	1.24	6	1	T	0	16.6	nnw.	56	nw.	20	9	9	12	5.4	79
Cheyenne [2]	6,094	22	40	810.4	1,014.9	+1.4	57	32	44.6	+3.7	76	23	18	15	611	29	60	1.61	−.4	.50	8	5	4.6	0	13.7	wnw.	45	n.	9	6	12	12	6.2	64
Lander [2]	5,352	6	30	828.0	1,014.2	+.3	62	35	48.4	+6.0	78	24	22	2	493	28	46	.99	−1.1	.62	4	0	5.4	0	7.8	sw.	43	sw.	29	10	10	10	5.2	70
Sheridan	3,790	5	38	877.8	1,014.9	.0	65	34	49.9	+6.6	83	28	20	1	451	30	50	2.30	+.4	1.27	7	1	3.3	0	9.9	nw.	38	nw.	29	12	8	10	5.1	70
North Platte [2]	2,821	11	51	917.7	1,016.0	+1.8	63	36	49.3	+.7	89	25	11	1	479	36	66	1.15	−.9	.35	8	4	.5	0	10.7	s.	49	n.	13	9	8	13	5.9	64
MIDDLE SLOPE									55.0	+.9							61	2.46	−.1														5.8	
Denver [4]	5,292	106	113	836.1	1,013.2	+.7	62	40	50.8	+3.7	85	24	25	2	435	29	52	1.15	−.9	.24	10	0	7.0	0	7.9	s.	40	n.	9	11	5	14	5.7	60
Pueblo [2]	4,690	5	36	852.4	1,013.3	+1.4	65	37	51.3	+1.9	88	25	20	3	411	32	55	.93	−.4	.30	9	1	4.2	0	7.5	nnw.	43	w.	30	9	9	12	5.8	58
Concordia	1,392	50	58	966.5	1,016.6	+2.4	64	43	53.6	+.1	83	25	30	1	345	39	64	2.86	+.5	.86	11	4	T	0	9.0	s.	47	nw.	14	15	3	12	4.7	64
Dodge City [2]	2,509	5	58	924.5	1,015.4	+1.9	65	42	53.6	.0	88	24	24	1	351	40	66	2.95	+1.0	1.44	10	4	.9	0	14.8	s.	59	n.	13	14	7	9	4.8	64
Wichita [2]	1,358	52	64	965.5	1,015.6	+2.4	66	46	56.0	−.4	86	24	30	1	293	42	63	3.85	+.9	1.78	8	7	1.5	0	15.1	s.	68	nw.	14	9	5	16	6.2	59
Oklahoma City [4]	1,214	10	47	968.5	1,015.8	+2.6	70	50	59.9	+.1	88	24	34	2	204	45	65	1.65	−1.6	.69	6	3	T	0	8.8	n.	23	s.	30	8	5	17	6.7	44
Tulsa [2]	674	10	60	991.2	1,015.5	------	70	49	59.6	+.7	89	24	34	2	209	45	63	3.83	−.4	1.84	7	3	T	0	11.3	n.	40	nw.	14	9	6	15	6.7	61
SOUTHERN SLOPE									59.8	−2.7							63	2.42	+.5														6.5	
Abilene [2]	1,755	4	59	953.3	1,014.7	−.9	71	50	60.6	−2.4	92	13	33	5	188	45	65	3.05	+.3	1.77	12	7	T	0	11.8	n.	40	e.	19	5	8	17	6.8	50
Amarillo [2]	3,604	5	42	888.9	1,015.0	+2.8	66	42	53.8	.0	81	23	26	1	340	40	66	1.99	+.2	1.28	8	5	2.4	0	13.3	s.	35	sw.	30	8	10	12	6.0	70
Del Rio	960	63	71	979.7	1,013.5	−.4	76	56	66.0	−4.6	92	14	42	6	68	52	68	4.65	+2.9	2.02	13	8	.5	0	8.1	se.	32	e.	19	6	7	17	7.0	49
Roswell	3,614	6	29	891.0	1,013.8	+3.0	72	43	57.6	−3.0	92	26	29	5	238	36	52	.50	−.4	.21	8	4	1.0	0	9.1	se.	34	w.	13	10	8	12	5.7	57
Wichita Falls	1,030	4	49	978.0	1,015.1	------	72	50	61.2	−3.7	92	7	34	3	169	46	63	1.92	−.7	.83	7	5	.1	0	13.2	n.	---	------	---	7	3	20	6.9	--
SOUTHERN PLATEAU									63.3	+2.7							37	.26	−.3														4.4	
El Paso [2]	3,916	35	85	880.1	1,011.9	+1.7	76	48	62.1	−.2	90	26	28	5	152	30	34	.05	−.2	.04	2	3	T	0	10.2	sw.	66	nnw.	10	14	11	5	4.3	79
Albuquerque [2]	5,314	5	45	836.4	1,012.2	+2.0	69	42	55.5	+1.5	85	25	27	2	299	30	44	.67	+.1	.27	7	5	4.6	0	10.2	nnw.	42	se.	1	12	7	11	4.9	78
Flagstaff	6,907	34	48	790.7	1,015.9	+5.4	64	32	48.0	+4.7	77	23	15	1	516	23	43	.31	−1.0	.17	2	3	.4	0	6.5	nnw.	---	------	---	10	12	8	5.3	--
Phoenix [4]	1,107	39	87	972.6	1,011.5	−.4	86	57	71.7	+4.7	102	23	40	2	36	36	34	.18	−.2	.18	1	0	.0	0	6.6	e.	22	w.	29	17	6	7	3.8	90
Tucson [2]	2,555	5	39	924.1	1,011.5	+1.3	82	52	67.4	+3.0	97	24	38	2	64	28	28	.38	.0	.24	4	0	.0	0	8.2	se.	33	e.	11	14	8	8	4.3	88
Yuma	142	9	54	1,006.1	1,011.3	+.1	90	59	74.9	------	105	23	47	2	10	38	--	T	------	T	0	0	.0	0	7.3	wnw.	30	nw.	7	16	7	7	3.7	92
MIDDLE PLATEAU									51.4	+4.7							48	.56	−.4														4.9	
Ely [2]	6,262	8	41	809.3	------	------	63	29	46.0	+5.6	75	23	15	15	569	----	--	.36	−.7	.29	4	2	.0	0	10.9	s.	33	n.	8	12	9	9	4.7	78
Reno [2]	4,527	20	52	866.9	1,016.8	+2.2	71	32	51.6	+5.5	81	10	17	1	403	27	45	.29	−.2	.15	2	1	.0	0	7.1	w.	38	nw.	12	12	8	10	5.0	83
Winnemucca	4,339	5	56	868.6	------	------	70	34	51.9	+5.2	82	23	20	1	391	----	--	.17	−.7	.09	4	1	.0	0	8.4	ne.	33	w.	28	13	6	11	4.6	72
Salt Lake City [2]	4,357	32	58	871.0	1,015.1	+1.9	67	40	53.6	+5.7	83	23	30	2	349	34	51	1.25	−.5	.94	5	1	T	T	8.6	sse.	49	nw.	12	12	6	12	5.2	80
Grand Junction [2]	4,602	5	26	851.7	1,014.8	+3.6	67	41	54.1	+1.7	83	24	32	15	331	31	47	.74	−.1	.53	6	4	T	0	7.1	ese.	37	nw.	20	11	9	10	5.2	71
NORTHERN PLATEAU									50.9	+2.7							51	.51	−.7														5.5	
Baker [4]	3,471	36	54	897.4	1,018.7	+2.1	63	33	48.0	+2.8	79	17	23	1	509	30	--	.82	−.3	.39	7	1	T	0	6.3	se.	26	sw.	23	11	9	10	5.1	70
Meacham	4,056	7	28	877.8	1,019.5	------	56	33	44.6	------	72	17	24	3	613	31	63	1.00	------	.35	9	1	2.7	0	5.8	nw.	---	------	---	7	9	14	6.3	--
Boise [2]	2,739	5	49	920.8	1,016.9	+1.7	68	38	53.4	+4.3	82	27	26	14	349	30	44	.09	−1.1	.05	3	0	.0	0	10.1	se.	43	nw.	28	13	6	11	4.9	79
Lewiston	1,436	4	23	964.8	1,016.3	------	68	40	54.0	------	82	17	32	1	331	36	52	1.29	------	.68	7	1	.0	0	7.2	w.	---	------	---	8	6	16	6.4	--
Pocatello [2]	4,478	5	31	863.5	1,016.6	+3.1	66	36	51.1	+6.2	80	23	22	1	416	26	42	.42	−1.0	.25	4	2	T	0	12.5	wsw.	47	sw.	12	14	10	6	4.2	86
Ellensburg [2]	1,735	5	58	955.0	1,016.8	------	64	34	48.6	+.4	79	16	25	14	490	32	56	.14	−.3	.10	3	0	.0	0	12.7	nw.	---	------	---	6	13	11	5.9	--
Spokane [2]	1,929	6	51	948.2	1,017.3	+1.7	62	36	49.2	+.8	78	17	28	1	474	30	50	.42	−.7	.19	4	0	T	0	8.8	ssw.	29	sw.	19	8	9	13	6.1	76
Walla Walla	991	57	65	981.4	1,018.0	+2.1	68	46	56.9	+3.8	83	17	37	1	254	36	--	.35	−1.2	.10	7	0	.0	0	6.0	s.	25	w.	23	12	9	9	4.7	68
Yakima [2]	1,076	4	54	978.0	1,017.7	+2.5	70	35	52.4	+.6	83	17	27	3	382	32	49	.04	−.5	.04	1	0	.0	0	8.3	w.	---	------	---	6	12	12	6.0	--

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR APRIL 1949—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: Averages: Mean Maximum	Temperature of the air: Averages: Mean Minimum	Temperature of the air: Averages: Mean	Temperature of the air: Averages: Departure from normal	Temperature of the air: Extremes: Highest	Temperature of the air: Extremes: Date	Temperature of the air: Extremes: Lowest	Temperature of the air: Extremes: Date	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	Precipitation: Days with thunderstorms	Precipitation: Total snowfall (unmelted)	Precipitation: Snow, sleet, and ice on ground at end of month	Wind: Average hourly speed	Wind: Prevailing direction	Wind: Speed of fastest mile: Miles per hour	Wind: Speed of fastest mile: Direction	Wind: Speed of fastest mile: Date	Character of day (sunrise to sunset) Number of days: Clear	Character of day: Partly cloudy	Character of day: Cloudy	Sky cover,[7] tenths (sunrise to sunset)	Possible sunshine
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs	°F	°F	°F.	°F.	°F.		°F.			°F.	%	In.	In.	In.			In.	In.	m. p.h.					0-3	4-7	8-10	0-10	%
NORTH PACIFIC COAST									51.5	+2.4							67	1.47	−1.1														6.8	
Kelso [2]	750	38	76	------	------	------	63	38	50.5	----	76	14	31	3	436	41	74	.81	------	.37	11	0	T	0	6.1	n.	---	------	---	2	9	19	7.4	--
North Head	211	5	55	1,012.5	1,020.3	+2.0	54	44	48.8	+1.3	75	14	38	3	486	----	--	2.26	−1.9	.53	17	0	.0	0	14.0	s.	55	s.	28	2	7	21	7.8	49
Seattle [4]	125	90	321	1,015.2	1,019.8	+2.5	60	44	51.8	+.7	73	14	39	3	396	41	70	1.23	−1.2	.48	12	1	T	0	8.2	s.	43	sw.	19	1	9	20	7.6	47
Tacoma	194	172	201	1,012.5	1,019.6	+2.0	59	43	51.0	+2.3	72	4	38	6	417	----	--	1.87	−.9	.48	11	2	T	0	7.5	n.	47	sw.	23	5	10	15	6.5	57
Tatoosh Island	86	5	61	1,016.3	1,019.5	+2.6	51	43	47.0	+.9	58	4	40	30	540	42	84	5.59	.0	1.36	17	0	T	0	13.4	sw.	61	s.	23	1	3	26	9.1	37
Burns	4,162	35	47	874.4	1,017.9	------	64	32	48.2	+3.9	78	16	22	14	503	27	47	.30	+4.4	.24	5	1	T	0	----	------	---	------	---	13	5	12	4.9	--
Eugene [2]	433	4	35	1,006.1	1,020.4	------	65	40	52.6	----	80	4	30	3	376	43	74	.83	------	.39	7	0	.0	0	6.9	n.	---	------	---	8	9	13	6.1	--
Medford [2]	1,329	29	58	971.2	1,019.2	+2.6	71	39	55.3	+3.2	86	14	29	3	291	39	59	.16	−1.2	.11	2	0	.0	0	5.4	nw.	---	------	---	9	11	10	5.6	--
Portland, Oreg. [4]	154	68	106	1,013.9	1,020.2	+2.6	64	45	54.7	+2.9	76	4	38	3	307	42	70	.89	−2.0	.39	10	0	T	0	5.8	nw	23	w.	29	7	8	15	6.5	50
Roseburg	510	45	76	1,001.4	1,020.3	+2.0	67	42	54.7	+3.7	83	14	31	3	309	42	59	.79	−1.5	.31	7	0	.0	0	4.3	n.	18	s.	27	8	8	14	6.1	54
MIDDLE PACIFIC COAST									58.2	+2.8							63	.13	−1.9														5.2	
Eureka	60	72	88	1,019.0	------	------	55	46	50.6	+.7	65	4	37	25	432	----	--	.41	−2.9	.20	6	0	.0	0	7.2	n.	28	n.	1	6	5	19	7.4	64
Red Bluff [2]	353	5	26	1,003.7	1,016.6	------	79	50	64.4	+5.4	89	13	44	1	55	41	47	.10	−1.6	.07	3	1	.0	0	6.7	nw.	23	nw.	29	13	9	8	4.6	90
Sacramento [4]	66	92	115	1,015.2	1,017.1	+1.5	76	49	62.4	+4.3	86	22	43	1	97	46	62	T	−1.5	T	0	0	.0	0	7.0	s.	19	nw	20	16	10	4	3.6	89
San Francisco [4]	155	112	132	1,018.3	1,018.9	+2.0	63	48	55.6	+.6	75	11	46	10	280	46	79	T	−1.6	T	0	0	.0	0	10.2	w.	36	w.	1	12	11	7	5.0	72
SOUTH PACIFIC COAST									63.4	+3.9							62	.03	−.9														5.4	
Fresno [2]	327	5	34	1,006.4	1,016.7	+1.1	82	50	65.6	+5.4	94	22	41	1	39	44	52	.01	−.9	.01	1	0	.0	0	6.8	nw.	29	nw.	28	12	9	9	4.8	88
Los Angeles	338	236	263	------	------	------	73	53	63.3	+3.9	89	11	45	3	85	----	--	T	−1.0	T	0	0	.0	0	6.0	w.	23	nw.	6	8	12	10	5.5	64
San Diego [2]	87	20	55	1,014.6	1,016.4	+1.2	69	54	61.3	+2.3	85	11	45	3	117	50	72	.09	−.7	.07	2	0	.0	0	6.0	wnw.	18	nw.	20	6	12	12	6.0	53
WEST INDIES																																		
San Juan, P. R.	82	9	54	1,014.2	1,017.6	------	81	72	76.5	−.1	86	16	68	2	0	----	--	.94	−3.4	.38	11	0	0	.0	11.7	e.	31	e.	13	11	18	1	4.2	73
ALASKA																																		
Anchorage [2]	132	6	44	1,000.7	1,005.8	------	41	22	31.4	−4.0	51	21	1	4	1,010	23	70	.82	+.4	.31	10	0	16.4	T	4.4	nw.	16	n.	5	4	5	21	7.9	--
Annette Island	113	5	53	1,007.1	1,011.2	------	45	38	41.0	−1.7	52	28	29	5	716	38	89	21.35	+13.1	2.78	28	0	.1	0	15.0	se.	---	------	---	0	2	28	9.6	--
Barrow	29	5	27	1,015.6	1,016.3	------	−1	−18	−9.6	−9.2	10	30	−36	7	2,224	−16	66	.07	−.1	.05	3	0	1.2	16	7.9	e.	30	w.	8	17	10	3	3.0	--
Bethel [2]	28	5	31	1,007.5	1,009.1	------	27	9	18.1	−8.8	43	18	−21	3	1,405	14	80	.50	.0	.21	6	0	5.3	9	9.0	nw.	---	------	---	9	5	16	6.2	--
Cordova [2]	45	5	32	1,003.7	1,005.8	------	41	28	34.4	−.8	46	21	16	9	917	31	88	5.41	+2.0	1.11	23	0	19.5	6	4.3	se.	---	------	---	4	1	25	8.4	--
Fairbanks [2]	455	5	63	990.2	1,007.8	------	37	11	23.8	−5.6	56	19	−19	8	1,232	20	78	.23	−.1	.09	5	0	5.8	T	----	n.	17	n.	21	5	12	13	6.6	--
Galena	139	4	66	1,004.7	1,009.1	------	26	1	13.8	−7.0	45	19	−29	7	1,531	4	59	.28	+.1	.16	5	0	2.8	12	----	n.	---	------	---	13	6	11	4.9	--
Gambell	32	5	32	1,011.5	1,012.5	------	18	9	13.7	−4.7	32	24	−5	1	1,541	10	83	.33	−.4	.09	12	0	3.3	16	16.5	nne.	34	ne.	18	6	4	20	7.3	--
Juneau [2]	80	6	30	1,007.8	1,008.5	------	44	35	39.6	−.6	54	28	29	30	766	36	86	4.32	+1.2	.78	27	0	1.6	0	----	ese.	35	se.	5	0	2	28	9.6	--
Kotzebue [2]	20	5	31	1,011.2	1,011.9	------	14	−8	3.2	−10.3	33	19	−22	1	1,849	5	78	.18	−.2	.05	9	0	1.8	15	----	ne.	---	------	---	13	3	14	4.8	--
McGrath [2]	341	5	31	995.3	1,008.5	------	32	3	17.8	−7.0	49	19	−26	5	1,388	8	59	.17	−.2	.07	5	0	3.5	24	----	nw.	---	------	---	10	10	10	5.3	--
Nome [2]	22	10	75	1,009.8	1,010.5	------	24	−1	11.2	−8.5	37	19	−26	2	1,566	7	78	.86	+.2	.53	6	0	8.6	37	8.4	ne.	31	e.	9	3	7	20	7.0	--
Northway [2]	1,718	5	32	942.1	1,006.1	------	39	11	25.2	+.2	50	19	−11	2	1,199	16	65	.02	−.4	.01	2	0	.2	5	5.1	nw.	---	------	---	3	12	15	7.1	--
HAWAII																																		
Honolulu [4]	38	86	98	1,019.3	------	------	76	68	71.8	−1.2	79	20	65	7	0	----	--	.62	−1.5	.17	16	0	.0	0	10.8	ne.	37	ne.	24	4	18	8	6.2	58

[1] Height of barometer cistern above mean sea level on Jan. 1, 1900, or when station was first established since Jan. 1, 1900. When station is moved to new location or airport, the pressure is reduced to the original elevation for homogeneity. These elevations do not represent the present station elevation in most cases.

[2] Data are from airport records. Pressures adjusted to original elevations according to note 1.

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

[4] Barometric and hygrometric data from airport records, remainder from city office records.

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

[6] As of Jan. 1, 1949, relative humidity values at temperatures below 32° F. are expressed with respect to water rather than with respect to ice, as used prior to that date. Therefore, these hygrometric values before and after Jan. 1, 1949, cannot accurately be combined without necessary conversion.

[7] As of Jan. 1, 1949, "Sky cover" has been substituted for "Average cloudiness" to include smoke, snow, etc., in addition to clouds that obscure the sky.

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