CLIMATOLOGICAL DATA FOR MAY 1949

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS

[For description of tables and charts, see Review, January 1948, 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	72.9	+1.6	Dothan CAA Airport	98	21	Gadsden	45	26	4.07	+0.12	Citronelle	8.63	Geneva	0.82
Arizona	65.2	−.5	Gila Bend	110	26	2 stations	18	[1] 7	.29	−.03	Burrus Ranch	1.43	55 stations	.00
Arkansas	71.3	+2.2	2 stations	94	31	Corning	30	3	5.29	+.23	Ozark	11.58	Crystal Valley	.85
California	62.4	−.7	Greenland Ranch	114	26	Twin Lakes	16	9	1.08	+.28	Gasquet R. S	7.85	22 stations	.00
Colorado	53.5	+1.0	3 stations	96	[1] 3	Dillon	14	1	2.43	+.53	Ft. Lupton	7.46	Manassa	.27
Florida	76.5	+.9	5 stations	98	[1] 22	2 stations	57	[1] 13	2.34	−1.57	Royal Palm R. S	8.93	Carrabelle	T
Georgia	72.6	+.5	3 stations	96	[1] 8	Blairsville Exp. Sta	38	26	3.50	+.07	Greensboro	10.91	Doles	.62
Idaho	56.5	+3.3	Weiser	97	26	Grouse	17	[1] 4	2.02	+.33	Chilly, 4 SE (Barton F.).	4.50	Grand View	.03
Illinois	65.1	+2.4	Carlyle	96	22	3 stations	30	11	2.77	−1.35	Edwardsville	6.13	Marengo	.62
Indiana	63.6	+1.4	Fowler Power Substa.	97	6	Howe Military School	28	11	3.36	−.74	Logansport	7.50	Brookville, 1 S	1.34
Iowa	63.5	+3.1	Onawa	95	3	Emmetsburg	28	9	2.68	−1.28	Sioux Rapids	5.58	Monmouth	.92
Kansas	65.8	+2.1	2 stations	98	3	Ulysses	35	2	5.34	+1.58	Eskridge	10.20	Lakin	2.06
Kentucky	66.3	+1.0	Campbellsville	95	5	2 stations	36	[1] 27	2.78	−1.18	Loglick, 1 S	5.27	Tompkinsville Tel Off.	.91
Louisiana	76.2	+2.4	2 stations	97	[1] 6	Pollock	44	12	2.35	−2.33	Kentwood	11.24	Harmon	.17
Maryland-Delaware.	63.5	+.5	Westernport, Md	96	[1] 5	Cumberland Police Brks, Md.	28	29	4.77	+1.11	Charlotte Hall, Md	8.79	Picardy, Md	2.28
Michigan	56.1	+2.0	2 stations	94	[1] 3	Kenton U. S. Forest	16	10	2.75	−.54	Dowagiac, 2 E	6.54	East Tawas U. S. Forest.	.85
Minnesota	57.6	+2.5	3 stations	97	3	Hallock	22	24	3.24	+.02	Thief River Falls	13.02	Willmar CAA	.50
Mississippi	73.7	+1.9	Leakesville	97	23	2 stations	44	12	4.68	+.37	Rockport	9.54	Pearlington	2.00
Missouri	67.6	+3.1	Joplin	95	31	Elsberry	34	11	4.59	−.19	Lexington	8.84	Webster Groves	2.00
Montana	55.8	+3.7	Westby	100	28	Loweth	14	6	1.94	−.15	Lakeview	4.78	Albion	.38
Nebraska	62.1	+2.8	Culbertson	100	3	4 stations	32	[1] 1	4.84	+1.42	Pawnee City	8.01	Blair	2.07
Nevada	56.5	+.9	Overton	109	26	Sheldon	17	1	1.77	+.99	Owyhee	4.55	Overton	.02
New England	56.1	+1.0	Springfield News Bldg., Mass.	96	6	2 stations	22	11	3.75	+.27	Wepawaug Res., Conn.	7.71	St. Albans, Vt	1.57
New Jersey	61.4	+.8	Phillipsburg	98	6	Layton	29	13	4.77	+1.15	Trenton No. 2	6.74	Cape May	3.07
New Mexico	60.8	+1.1	Jal	102	31	Red River	10	1	1.23	+.01	Clayton, 9 SE	7.36	6 stations	.00
New York	56.9	+0.8	Millbrook	96	14	Angelica	20	11	3.15	−.42	Parkston	7.41	Barker	.91
North Carolina	67.6	+0.7	2 stations	94	[1] 20	2 stations	29	[1] 26	4.61	+.60	McCullers	10.14	Hiwassee Dam	2.15
North Dakota	56.6	+3.1	do	93	[1] 12	Belcourt Indian Reservation.	19	24	2.34	+.08	Mayville	6.38	Dickinson CAA	.45
Ohio	62.6	+2.0	do	98	[1] 5	Mineral Ridge Water Works.	27	11	3.05	−.72	Findlay CAA	5.86	St. Martin Ursuline Sch.	.56
Oklahoma	70.2	+1.9	Tipton	103	31	Kenton	37	1	7.94	+3.13	Carnegie	13.58	Texhoma	2.63
Oregon	56.7	+3.4	McNary Dam	99	[1] 12	Crater Lake NPS Hq.	14	3	2.37	+.58	Valsetz	9.15	Arlington	.08
Pennsylvania	60.0	+.4	2 stations	96	[1] 6	Kane, 1 NNE	20	11	3.78	−.25	Philadelphia Drexel Inst.	8.34	Murrysville	1.81
South Carolina	70.9	.0	3 stations	96	[1] 21	Rainbow Lake	42	12	3.42	−.09	Beaufort	6.43	Saluda	1.38
South Dakota	59.9	+3.5	2 stations	97	3	Hardy R. S	20	1	2.58	−.27	Aberdeen	6.36	Milesville	.45
Tennessee	68.3	+1.4	do	94	7	Rugby	34	27	3.68	−.43	Savannah	10.32	Strawberry Plains	1.30
Texas	74.2	+1.2	Boquillas R. S	114	30	Vega	37	1	3.25	−.45	Arlington	14.69	2 stations	.00
Utah	57.0	+1.2	St. George CAA	99	[1] 25	Silver Lake (Brighton).	17	6	1.92	+.84	Timpanogos Cave	6.12	Piute Dam	T
Virginia	64.2	−.1	Lincoln	95	6	Burkes Garden	27	29	4.75	+.97	Mons	8.17	Emory	1.49
Washington	57.9	+2.8	Richland, 2 SW	100	[1] 12	Mt. Baker Lodge	18	4	1.14	−.87	Wind River	5.44	White Swan	T
West Virginia	62.8	+1.1	Cabwaylingo State Forest.	101	6	Cranberry Glades	25	30	3.74	−.26	Weston	5.84	Huntington, WB City.	1.94
Wisconsin	57.6	+2.4	Stoughton	95	5	Land O Lakes	21	28	2.28	−1.33	Brule R. S	7.08	Shawano	.44
Wyoming	52.3	+2.5	2 stations	90	[1] 3	2 stations	17	1	2.57	+.60	Albin	5.68	Basin	.69
Alaska (Apr.)	21.0	−6.2	Homer	60	21	Umiat	−41	12	1.76	+.29	Ketchikan	31.19	Hughes	T
Hawaii	70.8	−.7	2 stations	89	[1] 6	Hilo Nat'l Park	43	24	3.45	−3.08	North Wailua River Leas.	15.10	4 stations	.00
Puerto Rico	77.2	+.3	Utuado (2)	95	29	Cayey	53	1	5.43	−2.55	San Lorenzo (Espino)	17.23	Adjuntas	1.09

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR MAY 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 [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 (sunrise to sunset), number of days: Partly cloudy	Character of day (sunrise to sunset), number of days: 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									53.7	+1.5							73	3.65	+.3														7.0	
Caribou [2]	628	5	33	991.5	1,014.8	------	61	38	49.6	−1.1	82	1	30	10	478	39	66	3.91	+.9	1.00	18	3	T	0	13.3	------	------	------	------	2	6	23	8.1	--
Eastport	75	67	82	1,012.5	1,015.2	+1.3	56	42	49.0	+1.3	74	5	36	26	492	------	--	3.04	.0	1.24	13	3	.0	0	9.7	------	27	e.	12	4	8	19	7.1	55
Portland, Me. [2]	103	6	43	1,009.5	1,015.5	+.9	66	42	53.8	+2.6	86	19	30	26	358	46	75	3.50	+.1	1.33	14	4	T	0	7.2	------	28	ne.	9	4	14	13	6.7	64
Concord [2]	289	5	45	1,005.1	1,015.8	+1.2	70	41	55.6	+2.7	90	5	31	26	308	45	68	3.68	+.7	.98	11	3	.0	0	6.7	------	29	nw.	5	4	8	19	7.6	47
Mt. Washington	6,274	5	37	807.0	1,020.7	------	43	30	36.2	+.5	57	5	18	11	890	------	--	5.66	−.1	1.21	18	1	9.4	6	28.8	------	------	------	------	3	8	20	7.7	29
Burlington [2]	403	6	51	1,000.3	1,015.3	+1.1	69	44	56.5	.0	82	18	32	11	273	47	68	1.58	−1.3	.32	13	5	.0	0	9.3	------	35	s.	22	7	10	14	6.6	52
Boston [2]	124	33	62	1,011.5	1,016.2	+1.6	70	51	60.4	+3.3	90	19	42	13	192	47	64	2.53	−.6	.83	14	4	T	0	12.3	------	34	ne.	12	4	14	13	6.6	63
Nantucket [2]	12	4	34	1,016.3	1,016.9	+2.3	60	46	52.8	+.5	68	4	40	16	376	49	86	1.78	−1.1	.40	10	2	.0	0	13.2	------	35	ne.	20	7	9	15	6.5	54
Block Island	26	11	46	1,015.9	1,016.7	+2.1	61	48	54.5	+1.7	72	4	40	12	324	50	88	2.93	−.6	.72	9	4	.0	0	15.1	------	45	ne.	20	4	15	12	6.3	65
Providence [3]	159	65	60	1,010.5	1,016.6	+2.0	71	50	60.6	+2.1	94	5	42	16	186	48	71	3.47	+.5	1.30	11	3	.0	0	8.7	------	35	sw.	2	5	14	12	6.2	60
Hartford [2]	159	5	44	1,010.8	1,016.6	+1.7	72	48	57.9	+2.2	93	5	37	30	193	50	73	5.63	+2.0	1.65	17	7	.0	0	9.5	------	32	se.	7	2	13	16	7.5	68
New Haven [2]	107	5	39	1,012.5	1,016.6	+1.7	68	48	58.0	+2.6	81	7	38	26	224	50	68	6.14	+2.8	1.65	15	5	.0	0	6.6	------	18	se.	15	3	15	13	6.8	66
MIDDLE ATLANTIC									63.1	+1.0							70	4.43	+1.0														6.3	
Albany [2]	97	6	40	1,011.9	1,015.8	+1.6	70	45	57.8	+.1	90	5	32	21	252	46	66	3.20	+.6	1.09	15	6	.0	0	9.4	------	42	nw.	25	5	9	17	7.0	64
Binghamton [4]	871	57	79	985.8	1,016.6	+1.7	71	46	58.8	+1.4	90	6	33	11	231	47	72	4.93	+1.6	1.64	13	10	T	0	5.6	------	30	s.	18	3	11	17	7.4	61
New York [4]	314	415	454	1,005.8	1,017.2	+2.6	71	54	62.3	+1.7	92	6	46	13	141	50	65	4.11	+.9	.77	13	7	.0	0	12.6	------	68	sw.	22	4	16	11	6.6	57
Allentown [2]	385	4	58	1,003.1	1,017.2	------	74	49	61.1	+.6	92	5	36	30	173	51	72	4.20	+.7	1.02	14	6	.0	0	6.4	------	------	------	------	6	13	12	6.5	--
Harrisburg [2]	374	30	49	1,003.1	1,016.8	+1.6	74	51	62.4	+.6	93	5	38	12	138	51	67	2.12	−1.3	.56	15	8	T	0	5.9	------	37	w.	22	4	10	17	7.0	68
Philadelphia [4]	114	174	150	1,013.2	1,016.8	+1.2	74	55	64.4	+1.5	88	6	47	12	96	53	69	6.23	+3.0	1.62	15	8	.0	0	7.2	------	24	e.	20	7	12	12	6.1	63
Reading	323	47	306	1,005.1	1,016.9	+2.0	74	52	63.5	+1.6	92	5	41	30	125	------	--	3.56	−.1	1.07	13	5	T	0	9.0	------	47	w.	22	5	14	12	6.4	67
Scranton	805	72	104	987.8	1,016.6	+1.4	72	49	60.2	+.8	90	5	38	30	201	------	--	3.68	+.4	1.60	14	4	------	------	6.0	------	54	nw.	5	6	17	8	5.7	52
Atlantic City	52	37	172	1,014.9	1,017.1	+1.9	65	53	59.2	+1.1	79	7	47	29	191	52	78	4.01	+1.0	1.08	14	4	T	0	15.6	------	45	ne.	11	5	9	17	6.9	65
Newark [2]	30	5	46	1,015.6	1,016.6	------	73	51	62.4	+1.0	94	5	39	30	149	50	68	4.01	+.1	1.12	15	6	T	0	9.8	------	------	------	------	4	14	13	6.7	--
Trenton	190	89	107	1,009.8	1,016.6	+1.4	72	52	62.4	+1.3	91	6	41	30	142	------	--	5.09	+2.0	1.16	22	6	.0	0	8.3	------	30	nw.	29	5	13	13	6.6	49
Baltimore [4]	123	100	215	1,012.5	1,017.3	+2.1	75	57	68.5	+1.4	92	6	45	12	79	53	69	5.90	+2.4	1.80	13	9	T	0	9.4	------	35	nw.	20	8	13	10	5.9	57
Washington [4]	112	56	100	1,013.7	1,017.2	+2.0	77	56	66.4	+2.7	94	6	42	12	71	52	66	5.65	+2.0	1.60	15	7	.0	0	6.5	------	47	nw.	7	4	16	11	6.3	61
Cape Henry	18	8	54	1,016.3	1,016.9	+1.3	72	58	64.8	+.6	90	19	47	13	80	------	--	3.23	−.3	.98	9	4	.0	0	11.8	------	42	n.	7	12	10	9	5.1	64
Lynchburg [2]	686	5	58	983.4	1,017.1	+1.5	77	54	65.4	−.5	89	7	39	12	75	53	68	3.84	+.2	1.45	11	11	.0	0	6.7	------	29	n.	7	11	10	10	5.2	70
Norfolk [4]	91	80	125	1,013.9	1,017.5	+1.6	76	58	67.2	+1.0	90	19	49	14	49	57	74	5.42	+1.6	1.86	11	8	.0	0	9.1	------	31	n.	7	6	16	9	5.7	76
Richmond [4]	144	11	52	1,010.5	1,016.9	+1.3	78	56	66.6	+.1	90	19	46	12	55	56	73	6.11	+2.3	1.66	15	10	T	0	6.4	------	27	n.	20	6	16	9	5.7	76
SOUTH ATLANTIC									70.8	+1.0							71	4.01	+.2														5.0	
Asheville	2,253	77	92	944.5	1,017.3	+1.0	78	53	65.0	+2.4	87	5	42	27	60	54	--	3.70	+.3	1.44	13	8	T	0	6.2	nw	37	ne	6	9	10	12	5.9	78
Charlotte [4]	779	63	86	989.5	1,017.1	+1.2	81	60	70.4	+1.5	89	7	45	12	19	56	68	2.90	−.7	1.04	13	------	------	------	6.1	ssw	31	w	22	10	12	9	5.5	77
Greensboro [2]	886	6	56	985.8	1,017.5	+.9	79	55	67.0	+.6	88	7	43	28	46	55	70	3.06	−1.0	.68	14	13	.0	0	8.0	sw	40	nw	26	10	12	9	5.0	71
Hatteras	11	5	47	1,016.6	1,017.3	+1.4	74	63	68.1	−.6	80	24	56	12	17	62	83	5.79	−2.1	3.36	11	6	.0	0	11.3	ne	33	w	23	8	14	9	5.6	70
Raleigh [4]	376	5	71	1,001.7	1,017.4	+1.8	80	58	69.0	+.5	90	19	47	12	27	58	74	7.48	+3.7	3.37	12	8	.0	0	6.5	sw	24	sw	24	11	10	10	5.1	53
Wilmington	72	73	107	1,015.9	1,017.3	+1.0	79	62	70.8	.0	89	20	52	13	10	61	--	4.25	+.8	1.04	10	6	T	0	8.7	se	38	w	25	12	12	7	4.7	71
Charleston [4]	48	11	92	1,014.9	1,016.7	+.4	81	66	73.2	+.5	93	20	55	12	1	62	77	6.19	+3.2	2.25	12	9	.0	0	9.1	ssw	32	w	10	12	12	7	4.6	77
Columbia, S. C. [4]	347	70	91	1,008.5	1,016.6	+.7	84	62	73.0	+1.1	91	20	52	12	6	59	67	1.96	−1.1	.87	10	4	T	0	7.5	ne	27	sw	22	14	10	7	4.3	73
Greenville, S. C. [2]	1,040	18	36	980.0	1,016.8	+1.2	80	59	69.2	+2.0	87	7	47	12	17	57	68	3.20	−.8	.85	15	11	T	0	7.1	ne	36	w	24	14	7	10	5.0	74
Augusta [4]	182	62	77	1,001.4	1,016.8	+1.2	85	62	73.8	+1.4	92	20	53	12	1	58	63	3.68	+.6	1.65	10	9	.0	0	5.2	se	29	s	10	13	9	9	4.6	81
Savannah [2]	65	19	51	1,014.6	1,016.8	+.5	84	63	73.6	+1.9	92	20	53	13	2	62	72	2.73	−.3	1.35	7	9	.0	0	9.3	sw	39	nw	25	10	13	8	5.1	77
Jacksonville [4]	43	86	110	1,015.6	1,017.0	+.7	85	67	76.0	+1.0	92	24	57	13	0	64	70	3.17	−.8	1.32	4	5	.0	0	8.4	ne	28	nw	2	13	13	5	4.2	78
FLORIDA PENINSULA									79.0	+1.5							70	2.52	−2.0														3.9	
Key West [4]	21	10	64	1,015.2	1,015.8	+.9	86	76	80.8	+1.7	88	31	69	3	0	70	73	1.01	−2.5	.62	6	5	.0	0	8.4	e.	23	e.	1	19	10	2	3.5	80
Miami [4]	25	242	249	1,014.9	1,015.8	−.1	83	72	77.4	+.2	90	26	64	6	0	66	71	5.03	−2.1	2.63	11	10	.0	0	12.3	ne.	32	ne.	16	13	16	2	4.1	82
Tampa [2]	35	5	36	1,014.9	1,016.5	+.6	90	67	78.8	+2.5	95	27	60	13	0	64	65	1.52	−1.5	1.04	4	7	.0	0	7.3	e.	25	n.	31	15	13	3	4.0	83
EAST GULF									74.4	+1.7							69	2.33	−1.4														4.6	
Atlanta [2]	1,173	33	72	975.6	1,016.5	+.6	82	61	71.7	+1.4	89	6	53	12	1	57	65	1.87	−1.6	.48	10	8	T	0	7.2	nw.	40	nw.	1	12	11	8	5.0	66
Macon [4]	370	79	87	1,003.7	1,016.7	+.8	85	61	72.8	+.5	92	20	52	13	1	59	63	1.05	−1.9	.48	9	9	.0	0	5.8	nnw.	32	sw.	1	10	13	8	5.5	76
Apalachicola	35	11	51	1,015.2	1,016.6	+.7	83	69	76.0	+1.4	92	6	62	13	0	------	--	.91	−2.5	.45	4	3	.0	0	8.4	sw.	31	n.	6	21	7	3	2.8	87
Pensacola [4]	56	54	79	1,014.9	1,016.9	+1.0	83	68	75.6	+1.7	94	7	60	11	0	65	--	2.06	−1.3	1.55	8	5	.0	0	7.5	sw.	26	ne.	1	16	7	8	4.2	84
Anniston	618	6	32	993.6	1,017.0	+1.4	84	58	70.9	------	91	8	46	26	3	60	72	3.53	−.4	1.35	9	10	T	0	5.1	w.	------	------	------	6	10	15	5.0	--
Birmingham [2]	700	5	63	994.2	1,016.8	+.9	84	59	71.5	+2.2	90	6	50	26	0	59	69	3.37	−.6	1.50	11	10	T	0	8.4	ene.	47	sw.	23	9	12	10	5.4	60
Mobile [4]	57	86	161	1,008.8	1,016.8	+1.2	86	67	76.1	+1.7	92	8	59	12	0	64	71	3.21	−1.1	1.47	6	6	.0	0	10.6	sw.	39	se.	2	13	13	5	4.5	76
Montgomery [4]	218	92	105	1,009.1	1,016.5	+.6	86	64	75.2	+1.8	92	6	59	26	0	60	66	2.88	−1.0	1.67	7	4	.0	0	6.7	e.	37	w.	23	17	5	9	4.0	78
Meridian [4]	375	67	92	1,005.4	1,016.7	+1.5	87	60	73.2	+1.9	93	22	52	13	0	62	73	4.33	.0	1.82	10	10	.0	0	6.2	s.	------	------	------	15	7	9	4.6	--
Vicksburg [4]	247	82	102	1,006.8	1,016.3	+1.1	85	65	74.8	+1.9	88	4	52	12	0	63	--	2.71	−1.6	1.37	6	7	T	0	8.1	s.	37	nw.	30	5	18	8	5.8	64
New Orleans C. O.	53	76	84	1,014.6	------	------	87	70	78.3	+2.9	91	23	62	2	0	------	--	1.01	−3.6	.86	5	2	.0	0	6.3	se.	28	ne.	30	14	12	5	4.2	83
New Orleans A. P.	30	6	52	1,014.6	1,016.5	+1.3	87	66	76.4	------	91	31	56	14	0	65	71	.99	------	.56	4	5	.0	0	7.3	s.	30	nne.	30	14	13	4	4.6	--
WEST GULF									77.5	+3.2							74	2.82	−1.2														6.2	
Shreveport [2]	181	5	64	1,008.5	1,015.3	+.7	88	66	77.0	+3.7	94	30	52	13	0	65	72	1.63	−2.6	1.16	5	5	.0	0	9.7	sse.	46	s.	28	7	15	9	5.7	72
Fort Smith [2]	463	6	30	998.0	1,014.0	+.8	84	62	72.9	+3.3	94	31	51	12	0	61	72	4.38	−.4	.89	16	11	T	0	7.1	ne.	40	nw.	24	2	11	18	7.2	68
Little Rock [2]	265	26	58	1,002.4	1,015.6	+1.4	84	63	73.1	+2.8	90	6	50	12	2	62	72	2.37	−2.4	.88	11	9	.0	0	7.3	se.	29	nw.	9	6	16	9	5.7	66
Austin [2]	621	5	41	992.6	1,014.1	+1.2	87	68	77.6	+3.0	97	30	56	13	0	67	75	.83	−3.8	.39	9	8	.0	0	9.5	sse.	28	s.	16	6	15	10	6.1	63
Brownsville [2]	20	5	54	1,009.5	1,011.0	−.9	88	73	80.5	+1.9	92	30	66	22	0	71	77	1.85	−.7	1.41	4	3	.0	0	13.6	se.	33	se.	16	3	20	8	5.8	77
Corpus Christi [2]	44	6	33	1,012.9	1,014.0	+1.1	87	72	79.6	+5.1	93	31	64	13	0	72	79	.19	−3.0	.19	1	3	T	0	12.2	sse.	31	se.	16	5	19	7	6.1	52
Dallas [2]	488	34	45	996.3	1,013.9	+1.0	86	66	76.2	+3.3	97	31	56	11	0	64	68	8.94	+4.5	5.44	10	10	T	0	10.5	s.	48	sw.	26	6	11	14	6.1	61
Fort Worth [2]	706	40	56	988.8	1,015.6	+2.7	86	66	75.7	+3.5	97	31	57	10	0	62	72	10.64	+6.0	6.03	9	11	.0	0	14.2	s.	------	------	------	10	9	12	5.8	--
Galveston [4]	54	122	129	1,014.9	1,015.5	+.9	81	74	77.8	+3.0	85	30	68	11	0	71	81	2.56	−.9	1.15	4	0	.0	0	13.1	s.	38	se.	21	------	------	------	------	60
Houston [4]	138	157	190	1,012.5	1,014.9	+1.0	86	71	78.6	+3.1	95	31	61	12	0	70	79	1.36	−3.1	1.28	4	4	.0	0	10.7	se.	34	se.	16	3	12	16	6.9	54
Laredo [2]	418	10	38	996.6	1,011.6	------	93	73	82.8	+1.8	102	30	65	13	0	68	65	.49	−3.2	.47	4	7	.0	0	14.1	se.	------	------	------	2	10	19	7.4	--
Palestine	510	64	72	997.0	------	------	85	67	76.0	+3.3	92	31	57	12	0	------	--	2.32	−2.2	1.31	5	4	.0	0	7.6	s.	25	nw.	29	4	15	12	6.2	78
Port Arthur [4]	34	59	134	1,014.6	1,015.3	+1.1	85	72	78.7	+3.5	90	31	62	12	0	68	78	1.11	−3.0	1.02	5	5	.0	0	13.0	s.	43	s.	21	7	16	8	5.4	69
San Antonio [2]	794	6	51	985.4	1,013.6	+1.1	88	69	78.4	+3.3	98	30	58	13	0	66	72	.85	−2.4	.70	3	2	.0	0	9.1	se.	33	nw.	28	5	9	17	6.8	58

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR MAY 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	Averages: Mean minimum	Averages: Mean	Averages: Departure from normal	Extremes: Highest	Extremes: Date	Extremes: Lowest	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	Partly cloudy	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	%
OHIO VALLEY AND TENNESSEE									65.9	+1.7							67	3.02	−.7														5.5	
Chattanooga [2]	762	6	66	991.9	1,016.6	+.7	83	57	70.1	+.9	92	5	49	26	4	59	73	2.33	−1.5	.83	9	10	T	0	3.4	n.	45	w.	24	9	9	13	5.6	71
Knoxville [2]	995	27	71	982.4	1,017.0	+1.1	81	57	68.8	+2.1	89	6	46	27	19	56	68	2.57	−1.2	.88	11	9	T	0	6.6	ne.	42	sw.	1	8	14	9	5.3	74
Memphis [5]	399	5	49	1,001.4	1,015.5	+.6	83	62	72.6	+2.8	90	6	45	12	10	60	68	3.93	−.3	1.12	9	11	.0	0	7.0	s.	32	sw.	24	11	9	11	5.1	73
Nashville [2]	546	5	72	997.0	1,016.4	+.5	82	58	69.7	+1.5	92	5	47	11	19	59	72	5.65	+1.8	1.37	12	9	T	0	5.5	sse.	56	w.	22	12	7	12	5.1	72
Lexington [2]	989	4	58	981.7	1,017.2	+1.6	78	53	65.7	+1.4	90	5	39	11	75	53	65	1.87	−1.9	.95	8	6	.0	0	8.1	s.	---	------	---	14	10	7	4.2	--
Louisville [2]	525	5	54	998.6	1,016.5	+.9	81	55	67.8	+2.7	94	5	41	11	46	53	61	3.14	−.6	2.19	10	5	.0	0	6.8	ssw.	33	sw.	22	12	12	7	5.0	81
Evansville [2]	431	6	40	1,001.0	1,016.6	+1.4	79	54	66.6	+2.3	91	6	43	11	54	55	69	3.54	−.3	1.87	6	4	T	0	7.8	ssw.	38	ne.	9	16	6	9	4.7	76
Indianapolis [2]	823	5	54	987.1	1,016.5	+1.3	75	51	63.1	+1.7	89	5	36	11	126	51	66	2.75	−1.1	1.66	11	7	.0	0	10.4	sw.	52	w.	22	8	10	13	6.0	68
Terre Haute [2]	575	4	36	995.6	1,016.6	+1.7	76	51	63.9	+.5	89	6	37	11	101	52	68	4.50	+.6	1.31	11	10	T	0	9.6	sse.	34	s.	15	10	5	16	6.0	66
Cincinnati [4]	627	135	148	985.4	1,017.0	+1.4	79	56	67.2	+2.1	93	5	41	11	60	50	62	2.23	−1.5	1.31	8	7	.0	0	4.3	ssw.	17	nw.	24	10	11	10	5.5	77
Columbus [4]	822	90	110	987.1	1,017.2	+1.6	76	53	64.6	+2.3	92	5	39	11	111	50	67	2.05	−1.5	.53	12	7	.0	0	8.9	se.	39	s.	19	10	10	11	5.4	76
Dayton [2]	1,003	6	55	980.7	1,017.0	+2.1	74	51	62.6	+.8	89	5	35	11	146	49	65	2.22	−1.4	.56	12	8	T	0	10.2	ssw.	47	w.	22	8	10	13	5.9	66
Elkins [2]	1,947	5	45	946.8	1,017.6	+1.3	72	45	58.6	+.9	86	6	30	27	209	49	74	3.29	−.8	1.55	11	4	.0	0	5.6	------	36	n.	22	6	12	13	6.4	64
Parkersburg	637	77	84	------	------	------	77	52	64.6	+.8	93	5	38	27	99	----	--	2.93	−.4	1.49	10	8	----	---	6.1	------	29	s.	22	11	9	11	5.1	64
Pittsburgh [2]	842	39	54	971.2	1,016.7	+1.5	74	51	62.6	+2.4	90	5	37	28	143	48	61	2.26	−1.0	.73	12	5	.0	0	9.3	------	35	s.	22	4	12	15	6.6	55
LOWER LAKES									59.4	+2.6							63	3.27	+.1														5.6	
Buffalo [2]	768	34	96	988.5	1,016.5	+1.6	69	47	57.6	+1.7	87	17	31	11	248	45	63	2.09	−1.0	.90	10	4	.0	0	13.4	------	43	sw	2	7	13	11	5.8	69
Canton	448	10	61	999.0	1,015.0	+1.7	67	45	56.0	+1.8	82	4	31	11	293	45	61	2.49	−.5	.84	11	4	T	0	8.1	------	28	w	19	6	11	14	6.5	57
Oswego	335	71	85	1,003.4	1,015.6	+1.0	66	48	56.8	+3.1	86	4	38	12	282	----	--	1.83	−1.2	.90	11	2	.0	0	8.4	------	26	n.	10	12	12	7	5.0	69
Rochester [2]	523	4	69	997.0	1,016.4	+1.2	71	46	58.6	+1.5	91	4	34	12	236	45	63	2.08	−.9	.73	10	3	.0	0	10.4	------	42	w.	2	9	14	8	5.5	81
Syracuse [2]	596	5	57	994.6	1,016.3	+1.1	71	45	58.4	+2.1	88	4	29	11	243	46	64	2.37	−.6	.68	11	6	T	0	7.8	------	49	sw.	5	6	14	11	6.1	70
Erie [4]	714	57	81	------	------	------	68	52	59.5	+2.7	84	18	38	11	217	----	--	3.70	+.3	1.57	9	5	.0	0	7.5	------	27	w.	2	14	14	3	4.2	65
Cleveland [2]	762	27	54	988.8	1,016.7	+1.5	73	51	61.8	+3.7	89	5	38	29	175	47	63	4.18	+1.1	1.80	13	4	T	0	10.8	sw.	56	sw.	19	8	12	11	5.5	75
Sandusky	629	5	67	994.6	------	------	72	53	62.5	+3.3	92	5	42	12	155	----	--	4.15	+1.0	1.91	12	9	.0	0	8.1	------	25	nw.	24	9	17	5	4.5	80
Toledo [2]	628	5	47	993.2	1,016.4	+1.2	72	49	60.8	+2.8	90	6	33	11	193	49	66	4.28	+.8	1.67	9	5	.0	0	10.6	sw.	37	ne.	10	8	10	13	6.1	77
Fort Wayne [2]	857	5	34	986.1	1,016.4	+1.2	73	50	61.4	+2.2	88	5	34	11	176	49	66	4.80	+1.0	2.53	13	7	.0	0	7.8	sw.	34	s.	18	8	11	12	5.7	70
Detroit [2]	730	5	77	993.9	1,016.7	+1.5	72	49	60.4	+3.5	90	6	33	11	209	45	59	3.96	+.8	1.72	9	8	T	0	9.9	s.	41	nw.	18	6	12	13	6.2	60
UPPER LAKES									55.0	+2.5							66	2.63	−.6														5.9	
Alpena	609	5	89	993.9	------	------	62	43	52.6	+2.1	88	5	33	11	401	----	--	2.55	−.5	.62	10	5	.0	0	10.0	------	35	sw.	18	6	11	14	6.4	67
Escanaba	612	51	72	993.6	------	------	59	42	50.3	+.7	75	5	34	28	456	----	--	4.46	+1.5	2.14	11	6	T	0	10.7	------	42	n.	6	8	11	12	6.1	59
Grand Rapids [4]	707	702	44	991.2	1,016.1	+1.2	72	50	61.0	+3.0	88	5	34	11	191	46	65	1.33	−2.1	.39	12	6	.0	0	10.7	wsw.	73	sw.	2	9	11	11	5.7	62
Lansing [4]	878	5	90	984.4	1,016.5	+1.6	72	47	59.5	+2.7	89	6	29	11	228	46	63	2.35	−1.1	1.29	7	3	.0	0	11.6	sw.	35	w.	24	10	10	11	5.7	68
Marquette	734	44	73	988.5	------	------	61	40	50.6	+1.6	92	3	29	10	480	----	--	3.29	+.3	1.84	11	6	T	0	8.2	------	29	s.	3	7	9	15	6.5	62
Sault Sainte Marie [2]	614	10	52	989.2	1,016.1	+.9	62	39	50.2	+2.0	79	18	29	12	464	39	70	3.20	+.6	1.59	10	6	.0	0	10.7	nw.	38	nw.	26	8	8	15	6.3	65
Chicago [2]	673	5	38	993.9	1,016.0	+1.1	74	49	61.5	+3.7	94	5	36	11	184	47	62	2.46	−1.0	1.55	12	6	T	0	9.1	ssw.	30	s.	18	12	6	13	5.4	67
Green Bay	617	5	32	993.2	------	------	69	46	57.2	+2.3	90	5	31	28	287	----	--	.71	−2.8	.21	7	3	T	0	8.7	------	35	sw.	2	7	10	14	6.3	65
Milwaukee [2]	681	33	66	990.5	1,016.1	+1.5	68	46	57.0	+4.4	89	5	34	26	291	45	65	1.72	−1.6	.54	10	5	.0	0	13.4	nne.	42	w.	2	8	11	12	5.8	65
Duluth [4]	1,133	5	47	963.4	1,015.2	+.6	60	40	50.0	+2.7	77	18	33	10	463	39	68	4.20	+1.0	2.06	14	6	T	0	11.2	ese.	52	w.	3	10	14	7	5.1	60
NORTH DAKOTA									57.4	+3.7							62	2.53	+.2														6.6	
Fargo [2]	940	5	47	978.7	1,013.2	−.3	71	44	57.6	+2.5	88	31	28	24	267	43	61	3.54	+.7	.99	10	7	T	0	14.0	n.	39	s.	31	7	11	13	6.4	61
Bismarck [2]	1,677	5	41	953.6	1,013.0	−.9	72	44	58.4	+5.4	89	29	30	24	237	44	62	2.15	−.2	1.18	9	3	.0	0	11.9	nnw.	38	nw.	1	5	18	18	6.8	62
Devils Lake	1,478	11	44	960.0	------	------	68	42	55.0	+2.4	87	12	29	24	325	----	--	2.76	+.7	.78	3	5	T	0	8.9	------	29	ne.	31	8	14	9	5.7	60
Williston	1,878	42	50	945.5	------	------	71	46	58.4	+4.4	91	12	28	23	244	----	--	1.68	−.4	1.25	9	5	T	0	7.9	------	32	nw.	1	4	8	19	7.3	79
UPPER MISSISSIPPI																																	6.0	
Minneapolis-St. Paul [2]	919	43	74	980.4	1,013.8	+.6	73	51	64.2	+3.2	93	3	38	24	158	46	64	1.92	−2.2															
La Crosse [2]	672	5	29	990.2	1,014.5	+.6	73	49	62.0	+4.3	90	5	35	26	184	48	58	.90	−2.8	.29	10	6	.0	0	11.1	se.	34	s.	3	6	16	9	5.9	61
Madison [2]	974	27	39	984.4	1,015.9	+1.3	72	46	61.2	+3.3	90	5	32	10	233	46	64	1.81	−1.9	.72	10	4	.0	0	10.0	s.	42	w.	2	9	7	15	6.2	70
Charles City	1,015	10	51	979.3	1,015.9	+1.7	72	49	59.3	+1.7	90	5	39	24	164	----	--	2.22	−1.6	1.17	12	4	.0	0	11.5	s.	63	w.	2	8	7	16	6.4	63
Moline [2]	606	6	50	993.2	1,015.8	+1.2	76	52	60.6	+2.8	90	3	37	11	125	50	63	2.11	−2.2	.66	12	5	.0	0	7.0	------	28	sw.	3	12	8	11	5.5	54
Des Moines [4]	860	5	99	980.0	1,014.7	+1.2	76	55	63.9	+3.6	93	5	37	11	85	53	68	1.82	−2.1	.72	12	5	.0	0	10.0	e.	33	sw.	18	11	7	13	5.8	64
Dubuque	699	60	79	989.8	1,015.2	+1.0	73	53	65.4	+4.1	89	5	44	11	140	49	64	1.23	−3.3	.50	10	5	.0	0	10.0	------	31	nw.	1	5	10	16	6.8	56
Burlington [2]	702	4	36	989.8	1,015.5	+1.6	77	53	63.1	+2.8	92	5	39	10	94	53	68	1.95	−2.3	1.38	7	2	.0	0	.56	------	17	s.	3	8	5	18	6.5	66
Cairo	357	5	99	1,003.1	------	------	81	61	65.2	+2.6	92	5	41	11	10	----	--	.96	−3.2	.27	10	2	.0	0	12.1	------	38	w.	1	7	11	13	6.1	71
Peoria [2]	609	7	26	993.6	1,015.9	+1.0	76	52	71.1	+1.7	90	6	49	11	107	50	62	3.64	−.1	.33	11	9	.0	0	8.0	------	31	n.	20	9	9	13	5.5	78
Springfield, Ill. [4]	636	5	49	993.2	1,015.7	+1.5	78	54	64.4	+3.6	90	5	40	11	79	52	64	1.17	−2.9	.39	8	5	.0	0	10.9	ssw.	40	sw.	1	9	9	13	5.7	67
St. Louis [4]	568	33	59	994.9	1,015.3	+1.1	79	60	65.6	+5.1	90	5	37	11	24	54	63	2.52	−1.9	1.41	11	5	.0	0	12.4	s.	37	w.	1	7	11	13	6.0	75
MISSOURI VALLEY									65.5	+3.8							71	4.95	+.9														6.8	
Columbia, Mo. [4]	784	6	66	986.5	1,014.7	+.1	78	58	68.3	+3.3	90	5	46	11	35	56	72	6.23	+1.8	1.74	14	12	.0	0	7.1	------	26	nw.	23	9	10	12	6.1	62
Kansas City [2]	963	38	76	981.7	1,014.1	+.6	78	60	68.9	+4.1	89	5	48	11	27	56	67	5.31	+1.4	1.69	14	7	T	0	9.2	------	35	sw.	21	3	11	17	7.1	67
St. Joseph [2]	967	5	51	979.0	1,013.8	+.3	77	58	67.4	+3.2	88	5	45	11	44	57	71	4.07	−.6	1.72	13	11	T	0	11.3	------	63	w.	31	4	10	17	7.0	64
Springfield, Mo. [2]	1,324	5	50	968.2	1,015.4	+1.2	75	57	66.4	+2.7	88	4	44	11	35	58	75	5.37	+.2	1.24	14	14	T	0	9.7	------	50	se.	21	8	10	13	6.4	67
Topeka [4]	987	65	87	982.1	1,013.8	+.6	79	59	69.1	+4.8	89	5	49	11	21	58	75	6.11	+1.6	2.60	14	12	T	0	9.2	------	24	s.	3	4	8	19	7.5	56
Lincoln [4]	1,189	6	81	970.5	1,013.4	+.5	75	56	65.0	+3.3	90	3	42	2	94	56	76	5.48	+1.4	1.82	15	12	.0	0	9.5	------	38	nw.	1	5	6	20	7.3	59
Norfolk, Nebr. [2]	1,551	5	38	958.0	1,013.5	------	73	53	63.0	+2.8	92	3	36	24	126	53	72	4.20	+.2	2.21	12	13	T	0	----	------	---	------	---	7	8	16	6.6	--
Omaha [2]	1,105	5	68	973.9	1,013.7	+.2	76	56	66.0	+3.6	92	3	44	24	73	55	69	3.94	+.2	1.26	14	13	.0	0	11.6	------	37	s.	3	7	3	21	6.9	57
Valentine	2,598	46	54	921.8	1,012.5	−1.0	72	49	60.5	+4.3	88	3	34	24	170	47	64	6.96	+4.1	3.76	12	6	T	0	8.9	------	33	nw.	1	8	6	17	6.8	67
Sioux City [2]	1,138	5	40	972.6	1,013.4	+.2	75	53	64.1	+4.4	94	3	37	24	113	54	71	4.20	+.2	1.31	14	9	T	0	11.3	------	52	w.	17	5	9	17	6.8	65
Huron [2]	1,301	5	41	966.1	1,012.9	−1.0	75	48	61.6	+5.2	94	3	33	24	173	48	64	2.60	−.4	1.05	10	9	T	0	12.9	------	49	nw.	1	7	8	16	6.8	57

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR MAY 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	Averages: Mean minimum	Averages: Mean	Averages: Departure from normal	Extremes: Highest	Extremes: Date	Extremes: Lowest	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	Partly cloudy	Cloudy	Sky cover [7] tenths (sunrise to sunset)	Possible sunshine
	Ft.	Ft.	Ft.	Mbs.	Mbs.	Mbs.		°F.	°F.	°F.	°F		°F.			°F.	%	In.	In.	In.			In.	In.	M. p. h.					0–5	4–7	8–10	0–10	%
NORTHERN SLOPE									56.8	+3.5							59	2.40	+.4														6.6	
Billings [2]	3,570	16	39	889.3	1,012.0	−1.2	73	45	59.1	+3.0	88	27	31	23	216	38	52	1.53	------	.63	12	5	T	0	10.4	sw.	52	n.	20	8	6	17	6.2	65
Butte	5,533	44	58	829.0	1,015.3	------	65	35	49.9	+2.5	81	26	22	6	468	33	59	1.74	.0	.62	13	11	.2	0	9.9	nw.	---	------	---	6	5	20	7.2	--
Glasgow	2,086	34	53	938.0	1,011.9	------	76	46	60.8	+5.1	94	28	30	6	202	37	47	1.39	−.5	.72	7	5	T	0	----	------	---	------	---	7	9	15	6.4	--
Great Falls [2]	3,657	16	75	886.6	1,013.0	------	69	45	56.8	+2.2	84	10	30	5	275	34	50	3.21	+1.0	1.67	10	3	5.4	0	11.9	sw.	61	nw.	17	10	3	18	6.1	70
Havre	2,507	11	67	924.5	1,012.5	−.7	74	46	59.6	+6.2	89	10	33	23	202	----	--	2.71	+.7	1.65	7	2	T	0	8.4	sw.	34	w.	27	9	8	14	6.2	71
Helena [2]	4,124	5	43	872.3	1,013.8	−.1	69	40	54.7	+3.1	84	12	25	6	318	37	57	2.18	+.2	.58	13	6	.6	0	8.1	w.	37	se.	27	8	6	17	6.4	63
Missoula [2]	3,263	4	32	900.1	1,013.6	−1.6	71	42	56.2	+4.0	89	26	27	5	277	39	59	1.71	.0	.64	12	7	.0	0	5.9	nw.	29	ne.	13	8	6	17	6.6	52
Kalispell	2,973	48	56	910.3	1,012.9	−.6	70	44	57.0	+5.6	87	12	30	4	261	----	--	1.22	−.2	.46	9	3	.0	0	----	------	---	------	---	11	3	17	6.1	--
Miles City [2]	2,371	5	28	928.9	1,012.3	−1.6	75	47	60.9	------	92	27	32	1	190	42	--	1.32	------	.65	8	5	T	0	8.9	sse.	---	------	---	7	9	15	6.2	--
Rapid City [2]	3,259	5	56	901.1	1,012.9	−1.3	70	45	57.4	+3.4	84	28	31	24	254	44	63	1.63	−1.3	.72	9	10	.2	0	13.8	------	43	s.	28	7	8	16	6.7	63
Cheyenne [2]	6,094	22	40	810.4	1,012.3	+.8	63	40	51.8	+1.5	78	3	31	5	409	39	66	4.27	+1.8	1.58	13	14	T	0	11.1	------	49	w.	20	2	11	18	7.6	52
Lander [2]	5,352	6	30	827.6	1,012.5	.0	66	41	53.7	+2.5	79	25	28	1	347	37	57	2.80	+.5	1.09	11	4	5.7	0	7.4	------	40	sw.	3	6	9	16	7.0	58
Sheridan [2]	3,790	5	38	882.8	1,012.9	−.6	70	42	56.0	+4.0	84	12	29	1	279	41	60	2.83	+.2	.63	12	9	T	0	8.0	------	43	nw.	17	5	13	13	6.3	57
North Platte [2]	2,821	11	51	915.3	1,012.3	−.9	72	51	61.2	+2.5	94	3	39	2	154	51	74	5.10	+2.3	1.91	16	13	T	0	10.6	------	54	e.	20	5	6	20	7.2	51
MIDDLE SLOPE									65.4	+2.3							68	5.13	+1.5														6.8	
Denver [4]	5,292	106	113	835.1	1,012.0	+.1	68	47	57.9	+1.7	86	3	34	6	236	38	56	2.92	+.7	.86	10	5	T	0	7.3	------	39	s.	20	4	10	17	6.9	55
Pueblo [2]	4,690	5	36	855.1	1,011.4	+.2	75	47	60.8	+1.9	88	3	37	1	151	40	53	3.32	+1.7	1.20	9	5	1.8	0	7.4	------	59	w.	20	6	13	12	6.2	65
Concordia	1,392	50	58	963.8	1,013.5	.0	74	57	65.6	+2.4	87	31	46	1	71	----	--	3.45	−.7	.84	11	8	T	0	----	s.	27	sw.	18	9	3	19	6.7	55
Dodge City [2]	2,509	5	58	922.8	1,012.6	−.3	74	54	64.0	+.5	88	30	42	1	91	56	79	4.85	+2.0	1.67	13	13	T	0	13.7	------	55	s.	20	4	13	14	6.7	64
Wichita [2]	1,358	52	64	965.5	1,013.4	+.5	76	58	67.2	+2.1	91	31	48	10	30	58	76	6.15	+1.7	1.51	14	13	T	0	13.9	------	56	s.	4	4	12	15	7.2	50
Oklahoma City [4]	1,214	10	47	967.2	1,015.3	+2.8	81	62	71.4	+3.7	93	31	52	11	2	65	72	6.91	+2.0	2.02	15	8	T	0	8.5	s.	33	nw.	23	---	---	---	---	55
Tulsa [2]	674	10	60	989.5	1,013.8	------	81	61	70.7	+3.5	93	31	50	11	7	61	74	8.34	+3.3	4.03	13	14	T	0	9.8	sse.	---	------	---	4	7	20	7.3	57
SOUTHERN SLOPE									71.8	+1.5							65	3.80	+.7														5.8	
Abilene [2]	1,755	4	59	952.3	1,012.2	+.7	83	63	73.0	+2.4	95	30	55	11	1	62	71	5.09	+1.1	1.76	7	10	T	0	13.1	sse.	73	n.	25	6	13	12	6.3	64
Amarillo [2]	3,604	5	42	887.9	1,012.1	+.2	76	53	64.8	+2.7	90	30	41	1	70	53	71	6.43	+3.6	4.35	12	16	T	0	12.9	s.	84	sw.	15	9	11	11	5.9	65
Del Rio	960	63	71	978.0	1,010.8	+1.0	87	70	78.2	+1.2	97	29	62	10	0	67	73	.40	−2.5	.22	5	6	0	0	10.5	se.	38	s.	23	5	11	15	6.8	58
Roswell	3,614	6	29	990.9	1,010.0	−.2	85	54	69.7	+.3	97	29	46	2	5	40	41	.75	−.3	.47	4	5	T	0	9.9	n.	42	sw.	4	15	8	8	4.1	73
Wichita Falls	1,030	4	49	976.6	1,012.8	------	84	63	73.2	+.9	101	30	53	10	1	62	70	6.35	+1.7	1.93	10	13	T	0	13.5	s.	---	------	---	9	11	11	5.8	--
SOUTHERN PLATEAU									69.4	+1.2							30	.54	+.2														3.0	
El Paso [2]	3,916	35	85	883.8	1,008.7	+.2	86	58	72.5	+2.5	95	25	50	9	0	34	28	.39	+.1	.18	4	5	0	0	11.0	s.	59	ne.	10	21	8	2	2.8	93
Albuquerque [2]	5,314	5	45	835.8	1,009.1	.0	78	51	64.8	+1.5	88	25	45	6	63	32	34	1.35	+.8	1.06	4	5	0	0	10.3	ssw.	42	e.	6	14	10	7	4.3	79
Flagstaff	6,907	34	48	789.4	1,013.8	+5.3	67	35	50.8	+.1	83	25	28	7	440	28	45	1.03	+.1	.59	4	2	5.8	0	6.4	------	---	------	---	16	8	7	4.1	--
Phoenix [4]	1,107	39	87	970.9	1,009.2	+.7	91	62	76.8	+1.8	106	24	54	21	0	36	26	.17	.0	.17	2	1	.0	0	7.1	------	26	w.	14	19	6	6	2.7	96
Tucson [2]	2,555	5	39	922.8	1,009.3	+.5	89	57	73.4	+.2	104	25	49	21	0	26	19	.00	−.2	.00	0	0	.0	0	8.5	------	29	sw.	29	22	5	4	2.3	93
Yuma	142	9	54	1,004.4	1,009.5	+.7	93	64	78.4	------	108	24	55	20	0	41	30	.32	------	.32	1	1	.0	0	7.9	------	35	nw.	19	23	5	3	2.0	93
MIDDLE PLATEAU									56.6	+2.3							51	1.60	+.5														6.5	
Ely [2]	6,262	8	41	807.3	------	------	64	36	50.0	+2.1	80	26	26	5	464	----	--	1.53	+.1	.41	12	10	T	0	11.5	------	45	se.	9	6	9	16	7.0	52
Reno [2]	4,527	20	52	864.2	1,013.0	+.1	72	38	54.7	+1.8	91	26	28	6	323	37	55	1.64	+1.0	.80	9	3	T	0	7.5	------	45	s.	14	9	8	14	5.8	67
Winnemucca	4,339	5	56	865.6	------	------	72	43	57.4	+3.5	90	25	30	5	256	----	--	1.44	+.6	.55	11	5	.0	0	7.8	------	38	s.	14	6	7	18	6.6	49
Salt Lake City [2]	4,357	32	58	868.3	1,010.8	+1.7	72	48	60.1	+4.4	88	26	37	20	177	40	52	2.66	+.9	1.04	12	10	.0	0	10.2	------	35	nw.	9	7	8	16	6.6	71
Grand Junction [2]	4,602	5	26	858.1	1,012.1	+1.9	74	48	61.0	−.1	85	26	40	8	140	36	45	.74	−.1	.19	12	9	.0	0	7.7	------	56	nw.	24	7	8	16	6.4	59
NORTHERN PLATEAU									59.4	+4.5							55	1.14	−.3														5.6	
Baker [4]	3,471	36	54	894.0	1,013.8	−1.8	70	42	55.9	+4.2	89	26	28	4	292	40	--	1.11	−.4	.30	10	4	T	0	6.2	se.	21	sw.	2	10	9	12	5.5	
Meacham	4,056	7	28	875.7	1,012.7	------	63	41	51.9	------	81	25	27	4	409	40	66	1.96	------	.59	10	6	T	0	5.4	wnw.	---	------	---	10	5	16	6.2	--
Boise [2]	2,739	5	49	916.4	1,011.4	−2.5	75	48	61.5	+5.4	94	26	29	1	172	41	57	.73	−.7	.24	8	6	.0	0	9.6	se.	35	nw.	2	7	12	12	6.3	64
Lewiston	1,436	4	23	961.1	1,012.4	------	74	49	61.8	------	92	12	33	4	158	46	59	1.56	------	.51	12	5	T	0	5.4	s.	---	------	---	10	7	14	5.6	--
Pocatello [2]	4,478	5	31	860.5	1,011.9	−.3	72	44	57.8	+4.8	85	26	35	6	227	40	55	2.03	+.3	.55	12	9	T	0	9.1	ssw.	45	ne.	10	5	12	14	6.6	57
Ellensburg [2]	1,735	5	58	951.9	1,013.9	------	74	44	59.1	+3.6	91	12	29	5	215	39	51	.30	−.3	.12	4	0	.0	0	14.0	nw.	---	------	---	13	9	9	4.5	--
Spokane [2]	1,929	6	51	944.8	1,013.3	−1.3	72	47	59.1	+3.6	90	11	30	4	229	38	50	.90	−.5	.46	9	1	.0	0	7.1	ssw.	25	sw.	16	11	6	14	5.6	65
Walla Walla	991	57	65	977.7	1,013.5	−1.4	76	54	64.7	+5.1	90	11	39	5	106	45	--	1.49	−.3	.80	10	1	.0	0	5.4	s.	25	sw.	2	12	11	8	4.7	65
Yakima [2]	1,076	4	54	974.3	1,013.1	−1.8	80	46	62.7	+4.5	98	12	30	4	150	39	44	.14	−.3	.07	3	0	.0	0	8.3	w.	---	------	---	11	9	11	5.1	--

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR MAY 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: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: 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
	Fl.	Fl.	Fl.	Mb.	Mb.	Mb.	°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									57.5	+3.3							69	1.80	−.4														6.7	
Kelso [2]	750	38	76	------	------	------	70	44	56.8	----	85	12	31	5	259	47	74	1.92	------	.91	9	0	.0	0	5.9	wnw.	---	------	---	4	12	15	6.8	--
North Head	211	5	55	1,008.8	1,016.3	−2.3	58	48	53.2	+2.3	82	6	40	4	368	----	--	1.67	−1.3	1.18	14	0	T	0	12.6	nw.	35	s.	1	2	8	21	7.9	47
Seattle [4]	125	90	321	1,011.2	1,016.2	−1.4	69	49	59.1	+2.5	81	11	41	3	187	46	67	1.35	−.5	.77	5	0	T	0	6.8	s.	36	sw.	2	7	12	12	6.0	61
Tacoma	194	172	201	1,009.1	1,015.9	−1.7	67	48	57.8	+3.7	78	18	38	4	225	----	--	1.28	−.8	.76	9	0	T	0	8.0	n.	29	sw.	2	11	8	12	5.4	66
Tatoosh Island	86	5	61	1,013.2	1,016.6	−1.4	56	47	51.6	+2.0	67	17	41	4	412	46	84	1.98	−2.0	.66	12	0	.0	0	11.6	s.	44	ne.	6	6	6	19	7.3	55
Burns	4,162	35	47	871.3	1,013.0	------	70	43	56.4	+5.5	88	25	29	5	277	37	52	.70	−.1	.23	12	6	T	0	----	------	---	------	---	5	10	16	6.8	--
Eugene [2]	433	4	35	1,002.7	1,016.3	------	71	46	58.5	----	86	12	33	4	209	48	73	2.65	------	1.49	7	1	.0	0	7.1	n.	---	------	---	7	6	18	6.9	--
Medford [2]	1,329	29	58	967.8	1,015.5	−1.1	74	47	60.2	+2.0	92	11	33	4	170	45	62	1.74	+.6	.69	9	4	.0	0	6.2	nw.	---	------	---	6	8	17	6.5	--
Portland, Oreg. [4]	154	68	106	1,010.8	1,016.2	−1.4	71	52	61.3	+4.4	88	12	40	3	147	47	70	2.77	+.6	1.46	9	0	.0	0	5.8	nw.	19	ne.	6	7	7	17	6.6	52
Roseburg	510	45	76	997.6	1,016.1	−1.9	72	48	60.2	+4.2	89	12	35	4	167	47	69	1.96	.0	1.24	10	2	.0	0	4.7	n.	16	sw.	2	6	8	17	6.7	49
MIDDLE PACIFIC COAST																																		
									60.7	+1.1							63	1.39	+.3														5.6	
Eureka	60	72	88	1,015.6	------	------	58	49	53.6	+1.6	78	6	41	5	352	----	--	2.56	+.8	1.93	7	0	.0	0	7.6	------	32	nw.	16	3	8	20	7.8	52
Red Bluff [2]	353	5	26	1,000.7	1,013.3	------	81	56	68.0	+1.7	98	25	45	3	43	45	50	1.74	+.6	.53	11	8	.0	0	8.5	------	29	se.	10	12	6	13	5.1	75
Sacramento [4]	66	92	115	1,011.5	1,014.1	+.6	77	52	64.4	+1.1	94	25	45	4	69	48	61	.32	−.4	.20	3	1	.0	0	7.9	------	26	sw.	17	14	10	7	4.0	81
San Francisco	155	112	132	1,015.2	1,016.0	+.4	62	51	56.7	−.1	85	6	48	4	269	48	78	.93	+.1	.50	4	2	.0	0	10.5	------	38	w.	17	8	14	9	5.4	62
SOUTH PACIFIC COAST																																		
									65.3	+1.7							62	.42	.0														5.0	
Fresno [2]	327	5	34	1,001.7	1,013.8	+.5	83	54	68.6	+1.4	100	25	46	4	22	46	50	.39	.0	.35	3	2	.0	0	8.2	------	31	nw.	2	17	6	8	3.8	84
Los Angeles	338	236	263	------	------	------	74	55	64.3	+2.1	90	23	49	20	76	----	--	.46	.0	.28	5	0	.0	0	6.2	------	25	w.	6	12	8	11	5.3	60
San Diego [2]	87	20	55	1,011.5	1,014.6	+1.4	70	56	63.0	+1.7	83	6	51	4	74	53	73	.41	+.1	.16	6	0	.0	0	7.1	------	23	s.	18	10	8	13	5.9	56
West Indies																																		
San Juan, P. R.	82	9	54	1,012.5	1,015.2	------	83	74	78.6	.0	89	10	70	5	0	----	--	5.68	+.4	2.05	13	1	.0	0	11.3	e.	32	e.	4	3	17	11	6.8	60
Alaska																																		
Anchorage [2]	132	6	44	1,009.1	1,014.2	------	54	35	44.8	−.2	68	26	20	4	627	32	62	.41	−.1	.21	5	0	3.9	0	6.0	w.	24	s.	11	5	8	18	7.2	--
Annette Island	113	5	53	1,012.9	1,016.9	------	56	43	49.5	−.9	69	19	32	3	480	42	78	4.98	+.8	2.02	14	0	T	0	8.9	se.	---	------	---	5	6	20	7.6	--
Barrow	29	5	27	1,020.0	1,021.0	------	22	11	16.3	−3.0	35	26	−13	3	1,510	12	82	.16	.0	.07	7	0	1.9	12	----	ene.	23	ne.	22	1	3	27	9.1	--
Bethel [2]	28	5	31	1,013.5	1,015.2	------	41	26	33.8	−6.2	64	31	−5	2	970	30	84	.61	−.3	.33	9	0	.3	0	8.0	nw.	---	------	---	2	6	23	8.4	--
Cordova [2]	45	5	32	1,012.9	1,014.6	------	51	33	42.2	−1.4	65	18	20	4	707	36	82	5.57	−1.2	1.15	17	0	18.5	T	----	se.	27	ene.	12	6	8	17	7.0	--
Fairbanks [2]	455	5	63	996.6	1,014.2	------	55	33	44.0	−2.9	76	31	17	5	653	35	72	.52	−.1	.19	10	0	1.0	0	----	wnw.	30	sw.	12	7	8	16	7.0	--
Galena	139	4	66	1,009.5	1,014.2	------	48	29	38.6	−3.5	72	31	−1	6	821	28	66	.81	−.4	.26	9	0	3.7	0	----	n.	---	------	---	8	3	20	7.1	--
Gambell	32	5	32	1,013.9	1,014.9	------	29	24	26.4	−3.1	38	20	2	1	1,197	24	91	1.87	+1.3	----	15	0	6.4	2	14.0	nne.	40	e.	19	1	6	24	9.0	--
Juneau [2]	80	6	30	1,015.6	1,016.6	------	55	37	45.8	−1.0	72	20	26	1	596	37	76	3.38	+.4	.92	17	0	T	0	----	ese.	26	se.	3	6	3	22	7.4	--
Kotzebue [2]	20	5	31	1,015.2	1,015.9	------	32	19	25.6	−4.1	51	28	−12	6	1,223	22	86	.80	+.5	.30	10	0	.9	T	----	w.	---	------	---	7	4	20	7.5	--
McGrath [2]	341	5	31	1,001.7	1,014.6	------	50	30	39.8	−3.4	73	31	−1	5	780	30	68	.49	−.5	.37	6	0	1.3	0	4.9	wnw.	---	------	---	3	8	20	8.1	--
Nome [2]	22	10	75	1,014.6	1,015.2	------	36	23	29.2	−4.9	57	29	−11	2	1,108	26	85	.79	+.2	.22	11	0	2.0	1	----	e.	30	nw.	1	4	4	23	8.4	--
Northway [2]	1,718	5	32	950.6	1,014.2	------	54	31	42.3	−3.1	72	21	10	5	702	29	65	.65	.0	.28	9	0	T	0	----	nw.	---	------	---	2	8	21	8.0	--
Hawaii																																		
Honolulu [4]	38	86	98	1,016.9	------	------	79	70	74.5	−.3	82	18	67	9	0	----	--	.06	−1.7	.02	5	0	.0	0	8.6	------	23	e.	6	10	10	11	5.9	60

[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.