CLIMATOLOGICAL DATA FOR APRIL 1948

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	68.0	+4.5	3 stations	91	[1] 22	Valley Head	32	3	3.79	−0.84	Hytop	7.54	Muscle Shoals	1.58
Arizona	59.7	+1.3	Mohawk	107	16	Alpine	7	1	.09	−.55	Chinle	.64	67 stations	.00
Arkansas	66.2	+4.5	2 stations	93	[1] 28	Gilbert	27	2	3.46	−1.54	Gravelly	7.31	Green Forest	.64
California	53.1	−2.9	Palm Springs	110	16	Twin Lakes	−2	12	4.65	+2.93	West Branch	21.27	15 stations	.00
Colorado	46.3	+2.4	Eversoll Ranch	97	18	Taylor Park	−19	1	1.18	−.62	Marshall Pass	4.62	Box Ranch	.00
Florida	73.2	+3.1	Carrabelle	95	28	Chipley	42	3	4.54	+1.58	Quincy	14.25	Cedar Key	.40
Georgia	67.0	+3.5	West Point	93	27	Blairsville	28	3	4.50	+.61	Bainbridge	16.14	Toccoa	1.57
Idaho	43.3	−1.8	Grand View	87	28	Obsidian	−9	7	2.20	+.76	Burke	6.53	2 stations	T
Illinois	57.1	+4.6	E. St. Louis	91	7	2 stations	22	9	2.04	−1.55	New Burnside	7.06	Vandalia	.87
Indiana	56.0	+4.6	Madison	90	25	Notre Dame	20	3	3.85	+.23	Tell City	8.57	Columbia City	1.41
Iowa	54.5	+5.5	Sioux Rapids	93	18	Inwood	17	[1] 1	2.66	+.04	Cedar Falls	4.99	Newton	1.39
Kansas	61.1	+6.2	Lakin	100	18	Burr Oak	17	1	1.28	−1.41	Morrill	4.80	Scott City	.00
Kentucky	60.4	+4.1	Pikeville	94	26	Mammoth Cave	24	3	5.49	+1.48	Mount Sterling	10.93	Earlington	1.40
Louisiana	70.7	+3.5	3 stations	95	[1] 18	3 stations	34	2	3.40	−1.28	Simmsport	6.22	New Orleans Airport	1.10
Maryland - Delaware.	53.8	+1.3	Hancock, Md	88	20	Oakland, Md	19	4	3.67	+.19	Sines, Md	7.38	Fort George G. Meade, Md.	1.88
Michigan	47.6	+4.8	Caro	90	26	Calumet	−1	3	2.83	+.43	Howell	5.25	Germfask	.94
Minnesota	45.8	+2.7	2 stations	85	18	Hallock	−7	2	2.69	+.56	Pigeon River Bridge	6.58	Hallock	.38
Mississippi	68.1	+3.4	Poplarville	92	27	Vicksburg Airport	32	2	4.22	−.67	Enterprise	7.61	Grenada	1.69
Missouri	60.6	+5.2	2 stations	91	27	Maryville	22	1	1.81	−2.23	Doniphan No. 1	4.85	Marshall	.39
Montana	42.8	−.5	Hysham	93	29	Fairview	−7	8	1.30	+.17	Heron	5.10	Whitehall	.13
Nebraska	55.3	+5.9	2 stations	96	18	2 stations	12	8	1.11	−1.28	Falls City	4.02	2 stations	T
Nevada	47.9	−.2	Las Vegas	97	26	Smith	8	7	.65	−.14	Marlette Lake	4.60	3 stations	.00
New England	44.1	+.5	Cavendish, Vt	78	20	2 stations	9	11	3.24	−.10	Pinkham Notch, N. H.	5.91	East Barnet, Vt	1.62
New Jersey	50.4	+.6	Belvidere	83	21	Layton	18	18	3.68	+.07	Hammonton	5.56	Woodstown	2.11
New Mexico	55.4	+3.8	3 stations	99	[1] 18	Red River	−2	1	.28	−.60	Selsor Ranch	1.52	24 stations	.00
New York	47.1	+2.8	Elmira	85	20	3 stations	12	[1] 4	3.74	+.71	Walton	6.27	Ogdensburg	1.97
North Carolina	61.7	+3.6	Clinton	97	24	Transou	22	4	2.78	−.78	Andrews	5.42	Old Fort	.64
North Dakota	40.3	−1.3	2 stations	85	17	Willow City	−13	2	2.15	+.72	Pettibone	5.21	Trotters	.75
Ohio	54.7	+4.8	Hillsboro	93	25	Mansfield	18	10	5.02	+1.78	Jackson	8.17	Paulding	2.02
Oklahoma	66.0	+5.5	3 stations	99	30	Kenton	20	1	1.70	−1.83	Apache	5.27	Kenton No. 2	.00
Oregon	42.8	−4.4	Lake Creek	90	15	Sand Creek	2	7	3.04	+1.04	Gold Beach	15.97	Unity	.13
Pennsylvania	50.8	+2.1	2 stations	89	26	Kane	15	[1] 4	5.55	+2.10	Carrolltown	10.10	Maple Glen	2.77
South Carolina	65.6	+3.1	Saluda	96	13	Walhalla	31	3	3.10	−1.18	Yemassee	8.33	Cleveland	.69
South Dakota	49.8	+3.8	Wood	93	17	Pine Ridge	2	7	2.60	+.54	Bowdle	5.54	Aberdeen	.66
Tennessee	63.0	+4.2	3 stations	90	[1] 24	Greenville	27	3	2.85	−1.52	Waynesboro	6.65	Red Boiling Springs	1.09
Texas	70.5	+4.4	Eagle Pass	105	11	Muleshoe	18	1	1.92	−.99	Burnett	6.55	2 stations	.00
Utah	46.9	−.2	Piute Dam	90	4	Silver Lake	−3	7	1.43	+.17	Alta	8.67	2 stations	.00
Virginia	57.2	+2.5	Danville	93	25	Balcony Falls	19	10	4.30	+1.02	Montebello	7.68	Emory	1.66
Washington	44.5	−3.8	Northport	82	21	Bumping Lake	8	8	3.34	+1.08	Mount Baker Lodge	12.48	White Swan	.20
West Virginia	56.8	+4.8	2 stations	94	26	2 stations	12	4	5.89	+2.36	Cairo	9.92	McNeill	2.92
Wisconsin	48.4	+4.6	3 stations	85	[1] 18	Land O'Lakes	5	3	2.47	−.05	Madeline Island	4.75	West Bend	1.28
Wyoming	43.3	+2.8	Basin	93	29	Kendall	−13	7	1.24	−.37	Sheridan Airport	4.53	Pathfinder Dam	.11
Alaska (March)	11.0	−2.5	Tree Point	55	31	Allakaket	−52	[1] 3	1.65	−.19	Little Port Walter	14.27	Wainwright	T
Hawaii	70.1	+.2	Hilo	89	25	Haleakala R. S	38	[1] 3	8.78	+.73	Keanae	52.94	Hualalei	.00
Puerto Rico	74.7	.0	Dorado (2)	95	29	Garzas	50	3	2.28	−1.51	Mameyes (Utuado)	7.14	Josefa	.05

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR APRIL 1948

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 ° F.	Averages: Mean minimum ° F.	Averages: Mean	Averages: Departure from normal	Extremes: Highest ° F.	Extremes: Date	Extremes: Lowest	Extremes: Date	Extremes: Greatest daily range ° F.	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: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Character of day (sunrise to sunset), number of days: Clear	Partly cloudy	Cloudy	Average cloudiness, tenths (sunrise to sunset)	Possible sunshine
	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.			° F.	° F.			° F.				° F.	%	In.	In.	In.			In.	In.	m. p. h.					0-5	4-7	8-10	0-10	%
NEW ENGLAND									43.8	+0.9								70	3.40	+0.3														6.5	
Caribou [2]	628	5	33	993.6	1,017.3	----	44	27	35.6	.0	55	24	15	4	30	883	25	67	2.30	-.5	.96	14	1	3.6	0.0	----	n.	46	nw.	4	4	8	18	7.4	----
Eastport	75	67	82	1,014.6	1,017.6	+3.7	44	32	37.9	-1.1	52	23	22	4	20	812	29	72	2.86	.0	.92	15	1	8.9	.0	11.7	s.	34	e.	15	7	4	19	6.8	----
Portland, Maine [2]	103	6	43	1,013.9	1,018.0	+3.1	51	32	41.4	+1.3	64	24	17	11	31	707	32	71	2.90	-.5	1.04	11	0	T	.0	10.3	s.	33	s.	1	8	8	14	6.0	----
Concord [2]	289	5	45	1,007.5	1,018.0	+3.1	57	31	43.8	+2.2	76	20	16	11	47	635	32	66	3.41	+.6	1.31	11	1	.2	.0	8.2	nw.	34	nw.	17	8	6	16	6.4	----
Mt. Washington	6,274	5	37	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Burlington [2]	403	6	51	1,002.4	1,017.6	+2.7	56	32	44.0	+.7	72	24	20	11	40	635	33	67	2.94	+.8	1.11	12	1	T	.0	11.2	nw.	46	s.	11	6	7	17	6.8	----
Boston [2]	124	33	62	1,013.9	1,018.5	+3.6	56	39	48.0	+1.6	74	24	30	10	30	511	32	60	2.62	-.7	.77	10	0	.0	.0	13.0	sw.	34	nw.	3	8	6	16	6.4	----
Nantucket [2]	12	4	34	1,018.6	1,019.0	+4.4	50	37	43.6	-.2	55	21	27	11	22	643	36	78	2.71	-.2	1.11	10	0	.0	.0	15.7	sw.	36	w.	30	8	11	11	5.8	----
Block Island	26	11	46	1,017.6	1,018.6	+3.7	50	38	44.2	+.2	60	21	32	10	19	623	38	85	4.65	+1.1	2.06	8	0	T	.0	16.5	sw.	41	nw.	3	8	5	17	6.4	----
Providence [2]	159	65	60	1,012.9	1,019.0	+3.8	59	40	49.6	+3.0	77	6	30	10	32	461	32	63	3.71	+.5	1.59	10	1	T	.0	10.1	sw.	36	nw.	9	8	6	16	6.2	----
Hartford [2]	159	5	44	1,013.2	1,019.0	+3.8	59	37	47.8	+1.1	71	21	25	11	37	515	35	68	3.85	+.5	1.46	11	2	T	.0	10.3	s.	33	nw.	9	8	6	16	6.4	----
New Haven [2]	107	5	39	1,015.2	1,019.3	+3.7	55	37	46.2	+1.3	71	21	26	11	32	566	36	71	5.45	+2.2	2.81	11	2	T	.0	8.3	sw.	24	se.	7	7	5	18	6.6	----
MIDDLE ATLANTIC									53.2	+1.6								69	3.50	+.4														6.4	
Albany [2]	97	6	40	1,014.2	1,018.0	+2.4	58	35	46.9	+2.5	76	20	21	18	41	543	34	62	2.87	+.7	1.20	13	3	T	.0	11.6	w.	38	w.	9	8	5	17	6.5	----
New York [4]	314	415	454	1,008.1	1,019.6	+4.0	58	42	50.0	+.6	74	20	30	10	26	449	37	66	3.38	+.2	1.48	11	0	.0	.0	14.9	nw.	54	nw.	30	6	7	17	6.8	----
Harrisburg [2]	374	30	49	1,005.4	1,019.0	+3.1	62	42	52.2	+1.3	83	20	28	18	32	387	38	65	3.97	+1.3	1.16	15	3	T	.0	8.8	se.	42	w.	9	5	8	18	7.4	----
Philadelphia [4]	114	174	150	1,015.2	1,019.3	+3.0	61	44	52.4	+.3	78	20	34	10	28	380	40	68	3.54	+.5	1.56	12	1	.0	.0	8.9	s.	25	nw.	17	7	8	15	6.5	----
Reading	323	47	306	1,007.5	1,019.6	+3.7	62	43	52.3	+1.5	81	20	32	18	30	385	----	----	3.56	+.3	1.03	13	1	.0	.0	12.2	nw.	38	w.	9	7	1	22	7.2	----
Scranton	805	72	104	989.2	1,018.6	+2.7	59	40	49.6	+1.5	78	20	26	10	33	460	----	----	4.60	+1.8	1.20	16	3	T	.0	7.5	sw.	29	nw.	30	6	8	16	6.3	----
Atlantic City	52	37	172	1,017.6	1,019.6	+3.7	56	42	49.0	+1.2	74	12	32	10	28	480	41	73	3.13	+.1	1.52	10	1	.0	.0	16.8	ne.	45	se.	1	4	7	19	7.2	----
Newark [2]	30	5	46	1,018.3	1,019.3	----	59	41	50.3	+.1	78	20	32	10	34	438	38	64	3.33	-.4	1.62	12	0	.0	.0	----	sw.	37	w.	30	7	5	18	6.6	----
Trenton	190	89	107	1,012.2	1,019.3	+3.7	60	42	51.3	+1.5	78	20	32	10	29	409	----	----	2.68	-.3	1.31	11	0	T	.0	10.4	s.	31	nw.	17	6	8	16	6.5	----
Baltimore [4]	123	100	215	1,015.2	1,019.6	+3.7	64	46	55.0	+1.4	84	20	36	4	31	308	42	68	2.92	-.4	1.08	11	4	.0	.0	11.4	s.	45	nw.	9	9	9	12	5.9	----
Washington [4]	112	56	100	1,015.9	1,020.0	+4.1	67	46	56.8	+3.5	85	20	34	4	32	265	42	64	2.44	-.8	1.33	9	3	.0	.0	8.8	s.	33	nw.	9	6	11	13	6.4	----
Cape Henry	18	8	54	1,018.6	1,019.3	+3.0	65	49	57.0	+2.4	88	12	43	4	32	256	48	78	3.73	+.4	1.23	12	7	.0	.0	12.7	ne.	38	n.	17	9	8	13	5.9	----
Lynchburg [2]	686	5	58	994.2	1,019.3	+3.0	69	47	58.0	+2.4	88	25	32	4	38	236	46	70	2.84	-.1	.71	11	6	.0	.0	9.2	sw.	27	sw.	5	9	7	14	5.6	----
Norfolk [4]	91	80	125	1,016.6	1,020.0	+3.4	68	50	58.8	+2.0	86	12	43	5	34	216	48	76	4.86	+1.6	1.34	13	7	.0	.0	10.3	ne.	40	nw.	21	9	5	16	6.1	----
Richmond [4]	144	11	52	1,013.5	1,019.0	+2.7	69	47	58.3	+1.7	89	25	37	4	40	227	46	72	4.60	+1.1	1.20	13	8	.0	.0	8.2	ne.	30	sw.	12	9	8	13	5.7	----
SOUTH ATLANTIC									65.2	4.0								69	2.54	-.5														4.9	
Asheville	2,253	77	92	945.8	1,019.6	+3.0	72	49	60.3	+6.4	84	25	35	4	37	170	45	66	1.34	-1.7	.71	6	3	.0	.0	9.7	se.	26	nw.	28	10	12	8	5.1	----
Charlotte [4]	779	63	86	991.5	1,019.6	+3.0	74	54	64.2	+4.4	89	25	42	18	30	98	49	64	1.46	-1.8	.53	6	6	.0	.0	7.3	sw.	22	w.	8	12	9	9	5.1	----
Greensboro [2]	886	6	56	987.8	1,019.6	+2.7	73	48	60.8	+4.5	89	25	35	18	39	174	48	67	2.28	-1.3	.99	8	5	.0	.0	8.6	sw.	28	sw.	12	11	10	9	5.1	----
Hatteras	11	5	47	1,019.3	1,019.3	+3.0	68	56	62.1	+2.3	81	25	47	29	19	133	55	79	1.84	-1.7	.68	8	4	.0	.0	14.2	sw.	34	ne.	17	9	7	14	6.0	----
Raleigh [4]	376	5	71	1,005.4	1,019.0	+2.7	75	51	63.0	+3.6	91	25	36	18	36	138	49	68	2.35	-1.1	1.21	10	4	.0	.0	7.5	sw.	24	sw.	12	13	11	6	4.3	----
Wilmington	72	73	107	1,018.6	1,020.0	+3.1	74	56	64.7	+2.7	89	25	43	18	30	88	54	73	2.42	-.2	1.12	9	5	.0	.0	10.4	sw.	34	s.	11	14	10	6	4.5	----
Charleston [4]	48	11	92	1,018.0	1,019.6	+2.7	75	60	67.6	+3.1	85	8	48	18	20	36	56	74	4.86	+2.3	3.26	6	3	.0	.0	11.1	s.	28	e.	17	14	9	7	4.5	----
Columbia, S. C. [4]	347	70	91	1,006.8	1,019.3	+3.4	78	56	66.8	+3.5	88	25	43	3	30	45	53	67	1.35	-1.5	1.14	10	3	.0	.0	8.6	s.	26	sw.	11	14	6	10	4.7	----
Greenville, S. C. [2]	1,040	18	36	982.1	1,019.3	+2.7	74	53	63.6	+5.0	87	27	42	10	32	91	49	63	1.83	-1.9	1.21	7	2	.0	.0	9.0	sw.	31	n.	9	11	10	9	5.0	----
Augusta [4]	182	62	77	1,012.5	1,019.0	+2.7	79	58	68.2	+4.0	89	27	43	4	32	23	52	62	2.58	-.6	1.48	6	2	.0	.0	5.9	s.	32	nw.	8	12	10	8	4.9	----
Savannah [2]	65	19	51	1,017.3	1,019.6	+2.7	78	59	68.6	+4.3	88	28	50	3	33	19	58	74	5.32	+2.8	4.23	8	3	.0	.0	10.6	s.	47	w.	1	12	12	6	4.6	----
Jacksonville [4]	43	86	110	1,017.6	1,019.3	+2.0	80	64	72.4	+3.7	89	8	56	30	25	3	61	72	2.87	+.5	2.33	4	2	.0	.0	9.2	ne.	38	sw.	1	8	17	5	4.9	----
FLORIDA PENINSULA									75.2	+1.8								74	7.15	+4.9														4.8	
Key West [4]	21	10	64	1,015.9	1,016.9	+1.0	83	73	77.8	+2.1	87	2	66	4	17	0	68	74	12.83	+11.5	4.22	10	3	.0	.0	11.4	e.	25	nw.	29	10	13	7	5.1	----
Miami [4]	25	242	249	1,016.3	1,017.3	+.4	78	70	73.9	+.3	86	28	62	30	21	0	65	73	4.34	+.9	2.25	12	2	.0	.0	16.1	e.	35	se.	27	6	17	7	5.5	----
Tampa [2]	35	5	36	1,016.9	1,018.3	+1.4	84	64	74.0	+3.1	90	9	60	20	24	0	63	74	4.28	+2.3	1.61	5	5	.0	.0	8.2	e.	30	s.	1	18	7	5	3.9	----
EAST GULF									69.0	+4.3								70	3.71	-.6														4.8	
Atlanta [2]	1,173	33	72	977.7	1,018.6	+2.0	76	55	65.6	+4.5	85	12	42	3	31	75	51	64	2.82	-.9	1.66	7	3	.0	.0	10.0	nw.	28	nw.	28	12	10	8	4.8	----
Macon [4]	370	79	87	1,005.8	1,019.0	+2.4	79	57	67.6	+3.7	88	27	44	3	34	31	64	62	3.02	-.1	1.63	8	5	.0	.0	6.8	n.	23	nw.	28	11	12	7	4.8	----
Apalachicola	35	11	51	1,017.3	1,018.6	+1.7	79	65	71.8	+4.7	90	28	52	3	22	3	63	77	1.92	-.9	.96	5	3	.0	.0	9.1	se.	25	se.	6	17	7	6	3.9	----
Pensacola [4]	56	54	79	1,016.6	1,018.6	+1.7	78	64	71.4	+4.7	90	28	54	2	28	4	60	72	5.66	+1.6	3.82	6	5	.0	.0	9.0	se.	29	nw.	1	14	8	8	4.7	----
Anniston	618	6	32	1,000.4	1,019.3	+2.4	78	53	65.6	+4.4	87	25	38	3	37	74	54	71	3.50	-.9	1.95	8	4	.0	.0	----	e.	----	----	----	10	10	10	----	----
Birmingham [2]	700	5	63	994.2	1,019.0	+2.1	78	54	66.0	+4.3	86	27	38	3	36	69	53	67	3.55	-1.3	1.32	8	6	.0	.0	9.1	se.	36	se.	13	11	8	11	5.2	----
Mobile [4]	57	86	161	1,016.6	1,018.6	+2.0	80	62	70.8	+4.5	88	28	49	15	29	12	60	74	4.31	-.3	1.14	7	5	.0	.0	8.8	s.	28	w.	13	12	8	10	4.8	----
Montgomery [4]	218	92	105	1,010.8	1,018.3	+1.4	80	59	69.6	+4.3	88	7	47	3	28	22	56	68	1.88	-2.4	.51	7	4	.0	.0	7.6	n.	23	n.	8	14	10	6	4.5	----
Meridian [4]	375	67	92	1,005.1	1,018.6	+2.3	79	57	68.0	+4.0	87	21	42	15	36	42	56	72	6.88	+2.1	2.86	8	5	.0	.0	6.6	s.	23	sw.	11	9	12	9	4.9	----
Vicksburg [4]	247	82	102	1,009.1	1,018.0	+1.7	80	60	69.6	+4.0	88	12	45	2	27	33	56	74	5.30	+.1	2.66	8	5	.0	.0	9.0	s.	27	n.	8	11	4	15	5.5	----
New Orleans C. O.	53	76	84	1,016.3	1,018.3	+2.0	82	65	73.3	+4.5	90	28	53	15	23	7	61	72	2.02	-3.2	1.13	5	2	.0	.0	7.2	se.	28	nw.	13	11	9	10	5.2	----
WEST GULF									71.3	+4.3								71	1.94	-1.8														5.0	----
Shreveport [2]	181	5	64	1,007.8	1,016.6	+1.4	82	59	70.4	+4.5	92	7	42	2	34	25	57	70	2.80	-1.8	1.52	5	5	.0	.0	10.0	s.	34	sw.	23	10	11	9	5.1	----
Fort Smith [2]	463	6	30	998.6	1,014.9	+1.0	81	53	66.8	+5.0	91	7	37	2	41	60	50	62	1.67	-2.3	.99	5	8	.0	.0	8.7	ne.	31	sw.	12	14	3	13	5.1	----
Little Rock [2]	265	26	58	1,004.4	1,016.9	+2.0	79	56	67.5	+5.4	89	27	42	2	34	59	54	67	4.54	-.6	2.53	7	6	.0	.0	9.2	s.	34	sw.	12	13	10	7	4.7	----
Austin [2]	621	5	41	993.6	1,015.2	+1.7	85	58	71.6	+3.8	92	11	43	1	39	28	56	68	1.68	-2.7	1.20	4	4	.0	.0	11.5	s.	33	s.	24	9	12	9	5.0	----
Brownsville [2]	20	5	54	1,011.9	1,013.9	+1.4	86	65	75.4	+1.7	94	13	50	2	37	2	64	77	.02	-1.7	.02	1	0	.0	.0	13.9	se.	34	nw.	1	5	19	6	5.5	----
Corpus Christi [2]	44	6	33	1,014.6	1,015.2	+1.7	83	63	73.0	+4.0	87	27	52	17	29	2	64	84	1.11	----	.57	2	2	.0	.0	14.6	se.	39	n.	25	8	15	7	4.8	----
Dallas [2]	488	34	45	996.3	1,014.6	+.7	83	59	71.0	+5.9	96	11	40	14	36	32	54	62	1.10	-3.2	1.01	3	3	.0	.0	14.5	s	36	s.	19	11	12	7	4.9	----
Fort Worth [2]	706	40	56	990.5	1,014.6	+1.1	83	59	71.0	+6.9	96	11	40	14	35	34	52	59	1.11	-2.9	.92	4	3	.0	.0	14.5	s.	36	s.	24	10	12	8	5.1	----
Galveston [4]	54	122	129	1,014.9	1,016.9	+1.7	77	68	72.0	+3.3	84	28	54	1	19	7	64	82	.78	-2.3	.56	3	2	.0	.0	12.8	se.	35	w.	1	13	8	9	4.8	----
Houston [4]	138	157	190	1,011.5	1,016.6	+1.7	82	64	72.7	+3.4	92	28	50	1	29	8	62	80	1.59	-2.0	.75	7	4	.0	.0	11.7	s.	34	se.	10	11	10	9	5.3	----
Palestine	510	64	72	998.3	1,016.3	+1.4	81	60	70.6	+4.6	90	8	47	14	30	30	55	64	4.20	-.2	1.75	6	5	.0	.0	8.7	s.	24	s.	12	10	10	10	5.4	----
Port Arthur [4]	34	59	134	1,015.6	1,016.9	+1.7	80	66	72.5	+4.0	91	28	55	2	25	4	62	80	3.16	+.2	2.00	5	4	.0	.0	13.7	s.	34	nw.	1	13	7	10	4.6	----
San Antonio [2]	794	6	51	990.2	1,014.6	+1.4	87	58	72.8	+3.7	98	7	43	2	41	20	56	64	1.40	-1.8	.90	4	1	.0	.0	10.6	s.	27	se.	24	11	9	10	5.0	----
OHIO VALLEY AND TENNESSEE									58.7	+4.9								68	4.43	+.8														6.2	----
Chattanooga [2]	762	6	66	991.5	1,019.0	+2.4	77	52	64.6	+7.0	88	27	36	4	37	86	51	67	4.02	-.8	1.69	8	5	.0	.0	8.8	s.	36	sw.	12	13	7	10	5.2	----
Knoxville [2]	995	27	71	983.4	1,019.3	+3.0	75	52	63.5	+6.2	86	26	38	3	37	105	49	62	2.67	-1.5	1.03	10	6	.0	.0	8.8	sw.	42	sw.	8	12	10	8	5.0	----
Memphis [4]	399	5	49	1,003.4	1,017.6	+1.7	77	55	65.8	+4.0	86	27	36	2	35	92	53	66	3.59	-1.2	1.36	9	5	.0	.0	8.7	s.	30	s.	11	10	10	10	5.2	----

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR APRIL 1948—Continued

District and station	Elevation of instruments: Barometer above sea level	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	Extremes: Greatest daily range	Total heating degree days	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Greatest in 24 hours	Days with 0.01 inch or more	Days with thunderstorms	Total snowfall (unmelted)	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	Partly cloudy	Cloudy	Average cloudiness, tenths (sunrise to sunset)	Possible sunshine
	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.			°F.	°F.			°F.				°F.	%	In.	In.	In.			In.	In.	m. p. h.					0-3	4-7	8-10	0-10	%
OHIO VALLEY AND TENNESSEE—Continued																																			
Nashville [2]	546	5	72	998.6	1,018.6	+2.0	76	52	63.7	+4.7	86	27	34	2	38	126	51	66	1.15	−3.0	.63	13	3	.0	.0	10.4	s.	38	sw.	7	10	11	9	5.2	----
Lexington [2]	989	4	58	983.1	1,019.6	+3.0	69	47	57.8	+3.5	85	26	32	3	36	253	47	71	7.50	+4.0	4.39	12	7	.0	.0	----	s.	----	----	----	6	11	13	6.0	----
Louisville [2]	525	5	54	1,000.7	1,018.6	+2.3	71	48	59.8	+5.0	87	25	31	3	40	210	46	64	6.39	+2.5	3.31	9	6	.0	.0	9.1	s.	34	s.	11	5	12	13	6.5	----
Evansville [2]	431	6	40	1,004.1	1,018.0	+2.1	70	46	58.2	+3.3	85	25	30	2	39	257	48	70	3.98	+.1	2.46	6	7	.0	.0	9.5	nw.	31	se.	7	5	12	13	6.6	----
Indianapolis [2]	823	5	54	988.5	1,018.0	+2.1	65	43	54.0	+3.2	85	25	28	3	39	352	43	70	3.44	----	1.44	9	6	.0	.0	12.3	sw.	42	sw.	11	5	9	16	7.0	----
Terre Haute [2]	575	4	36	996.6	1,018.3	+3.1	67	44	55.5	+3.0	82	25	28	3	37	303	46	71	1.90	−1.8	1.06	6	7	.0	.0	11.9	s.	39	s.	11	4	10	16	7.1	----
Cincinnati [4]	627	135	148	986.8	1,018.6	+2.3	70	49	59.2	+6.8	88	26	35	3	34	224	45	70	5.32	+2.2	2.60	7	4	.0	.0	5.4	nw.	19	nw	2	8	9	13	6.1	----
Columbus [4]	822	90	110	988.2	1,018.3	+2.4	66	46	56.0	+4.8	89	26	32	3	36	306	44	69	4.39	+1.5	1.43	12	5	.0	.0	10.2	s.	32	w.	27	5	11	14	6.4	----
Dayton [2]	1,003	6	55	982.1	1,018.6	+2.7	64	44	54.0	+3.5	84	26	29	3	34	350	44	71	3.87	+.7	1.22	12	8	.0	.0	12.7	nw.	39	w.	8	5	10	15	6.7	----
Elkins [2]	1,947	5	45	949.5	1,019.0	+2.1	67	42	54.6	+7.2	84	26	22	4	50	314	42	70	5.41	+1.8	1.53	15	6	T	.0	8.3	nw.	40	nw.	27	4	9	17	6.9	----
Parkersburg	637	77	84	995.3	1,018.6	+2.0	70	47	58.5	+5.1	91	26	29	10	41	232	44	64	6.75	+3.6	3.20	13	7	.0	.0	7.1	nw.	30	nw.	8	4	14	12	6.5	----
Pittsburgh [2]	842	39	54	987.5	1,018.3	+1.7	66	44	54.7	+5.5	85	26	28	4	40	339	41	67	6.03	+3.1	1.72	15	4	T	.0	11.0	nw.	37	nw.	27	3	11	16	7.0	----
LOWER LAKES									49.9	+5.0								68	3.13	+.6														6.7	
Buffalo [2]	768	34	96	989.8	1,018.3	+2.7	59	39	48.8	+5.0	80	26	23	10	38	487	37	68	2.81	+.2	.63	16	5	T	.0	14.1	sw.	49	s.	11	3	11	16	7.1	----
Canton	448	10	61	1,001.0	1,017.3	+2.7	55	34	44.5	+2.6	73	20	20	10	33	617	31	62	3.52	+1.3	.94	12	2	T	.0	10.2	w.	31	sw.	11	6	8	16	6.7	----
Oswego	335	71	85	1,005.1	1,017.6	+2.4	55	39	47.0	+4.4	77	20	28	3	31	540	34	66	2.79	+.4	.58	14	3	.3	.0	10.4	w.	28	se.	11	6	12	12	6.4	----
Rochester [2]	523	4	69	999.0	1,018.3	+2.4	60	38	49.0	+5.5	81	20	22	4	41	488	37	70	3.26	+.9	.71	19	5	.3	.0	11.4	s.	45	w.	8	4	11	15	6.9	----
Syracuse [2]	596	5	57	996.3	1,018.3	+2.7	60	37	48.6	+5.6	81	20	22	18	40	495	36	67	4.10	+1.6	.83	16	2	.6	.0	11.9	w.	45	s.	11	4	8	18	7.0	----
Erie [4]	714	57	81	991.9	1,018.3	+2.7	58	43	50.3	+5.2	80	20	29	4	31	444	40	74	5.19	+2.5	1.88	18	5	T	.0	9.8	w.	26	se.	11	5	11	14	6.4	----
Cleveland [2]	762	27	54	988.5	1,018.0	+2.4	63	42	52.6	+6.4	87	26	26	10	38	398	41	68	3.24	+.8	1.43	13	5	.3	.0	11.8	s.	53	w.	8	4	9	17	7.1	----
Sandusky	629	5	67	994.9	1,018.3	+1.7	62	43	52.6	+5.4	83	24	29	10	37	390	----	----	2.68	+.1	.98	13	6	T	.0	10.6	e.	34	w.	9	8	9	13	6.1	----
Toledo [2]	628	5	47	994.6	1,018.0	+2.1	63	41	52.0	+5.8	85	25	25	10	37	406	42	70	2.59	−.1	.96	13	5	T	.0	13.2	nw.	42	sw.	20	7	6	17	6.6	----
Fort Wayne [2]	857	5	34	987.5	1,018.0	+2.1	63	41	52.2	+3.5	85	26	28	3	40	406	42	72	1.61	−1.5	.63	11	7	T	.0	11.1	s.	40	s.	11	3	12	15	7.0	----
Detroit [2]	730	5	77	995.3	1,018.3	+2.4	62	41	51.2	+5.6	83	25	28	10	34	426	39	66	2.64	+.2	.79	10	7	T	.0	11.2	nw.	39	w.	8	7	8	15	6.8	----
UPPER LAKES									45.7	+4.4								71	2.58	+.1														6.6	
Alpena	609	5	89	994.9	1,018.0	+2.1	50	34	41.9	+3.3	62	30	23	10	31	693	34	77	2.01	−.2	.52	12	6	T	.0	11.5	se.	32	se.	17	8	7	15	6.4	----
Escanaba	612	51	72	993.9	1,017.3	+1.0	48	33	40.7	+2.8	60	26	21	3	23	730	33	76	1.43	−.8	.55	11	3	T	.0	10.3	s.	34	n.	16	7	13	10	5.9	----
Grand Rapids [4]	707	70	244	991.9	1,017.3	+1.4	62	42	51.8	+4.8	85	25	28	9	31	422	39	69	3.79	+1.0	1.27	13	4	T	.0	12.5	se.	35	sw.	20	4	11	15	6.8	----
Lansing [4]	878	5	90	985.4	1,017.6	+2.0	61	40	50.4	+4.8	82	26	26	9	38	453	38	65	2.52	−.1	.88	13	7	.3	.0	9.9	s.	26	sw.	8	5	11	14	6.7	----
Marquette	734	44	73	988.8	1,016.6	.0	52	34	42.8	+5.0	78	26	20	9	37	667	32	70	2.35	−.1	.62	14	5	5.3	.0	10.1	s.	37	s.	10	5	12	13	6.3	----
Sault Sainte Marie [2]	614	10	52	990.2	1,017.3	+1.0	50	30	40.0	+3.5	65	22	15	9	34	749	32	76	2.81	+.7	.54	13	4	.4	.0	12.5	se.	35	w.	8	5	9	16	6.8	----
Chicago [2]	673	5	38	994.2	1,017.3	+1.4	63	43	53.1	+6.2	85	25	29	3	34	386	41	65	1.44	−1.1	.44	11	5	T	.0	12.2	s.	34	w.	8	3	10	17	7.1	----
Green Bay	617	5	32	993.6	1,016.3	+1.1	57	36	46.6	+3.4	80	25	23	17	34	554	36	68	2.93	+.3	.71	15	9	T	.0	9.2	se.	29	sw.	11	3	10	17	7.1	----
Milwaukee [2]	681	33	66	991.2	1,016.9	+1.3	8	39	48.8	+6.6	78	24	28	3	33	494	39	70	1.91	−.8	.76	10	6	T	.0	14.8	s.	39	w.	8	3	10	17	7.2	----
Duluth [4]	1,133	5	47	963.4	1,015.9	.0	50	32	41.0	+4.0	69	21	17	9	30	720	32	73	4.57	+2.5	1.74	14	4	.7	.0	13.0	ne.	38	w.	11	11	6	13	5.9	----
NORTH DAKOTA									41.8	+1.3								72	2.68	+1.1														6.4	
Fargo [2]	940	5	47	981.4	1,014.9	+2.4	54	34	44.2	+3.6	76	17	8	2	37	621	36	75	2.44	+.3	1.18	10	4	1.2	.0	14.6	n.	39	n.	8	7	8	15	6.3	----
Bismarck [2]	1,677	5	41	952.9	1,013.2	−2.4	56	32	44.2	+3.8	84	17	10	2	46	624	34	71	3.05	+1.5	1.54	9	1	.8	.0	13.3	e.	36	e.	29	3	14	13	6.7	----
Devils Lake	1,478	11	44	960.4	1,015.2	−.7	46	28	36.9	−1.9	70	21	2	2	31	841	31	77	2.80	+1.3	1.01	8	2	9.6	.0	10.9	se.	28	nw.	10	6	12	12	6.1	----
Williston	1,878	42	50	944.8	1,012.5	−2.7	54	30	41.8	−.2	77	22	3	8	45	694	30	67	2.45	+1.2	1.24	4	4	7.5	.0	9.0	e.	34	e.	30	6	10	14	6.5	----
UPPER MISSISSIPPI									55.0	+5.2								63	2.15	−.8														6.2	
Minneapolis-St. Paul [2]	919	43	74	983.7	1,014.6	+.4	61	39	50.0	+3.6	78	18	22	9	33	454	36	62	1.77	−.5	.88	9	2	.3	.0	13.8	se.	38	nw.	8	5	11	14	6.5	----
La Crosse [2]	672	5	29	990.5	1,015.2	+.3	63	38	50.5	+4.9	82	18	22	3	41	444	38	64	2.03	−.4	.56	10	7	T	.0	11.7	s.	35	w.	7	5	9	16	6.7	----
Madison [2]	974	27	39	984.8	1,016.6	+1.0	63	39	50.9	+5.5	82	25	24	3	35	431	38	66	2.97	+.2	.84	9	5	T	.0	13.0	s.	38	w.	8	4	11	15	7.0	----
Charles City	1,015	10	51	978.7	1,016.3	+1.1	64	40	52.0	+5.6	87	18	25	9	38	400	----	----	3.03	+.5	1.08	10	4	T	.0	8.8	s.	25	s.	10	9	12	9	5.0	----
Moline [2]	606	6	50	994.9	1,016.9	+1.7	66	45	55.2	+6.4	86	25	28	3	34	328	40	59	1.67	−1.0	.55	11	5	.0	.0	13.2	s.	40	sw.	11	5	11	14	6.2	----
Des Moines [4]	860	5	99	----	1,015.6	+1.0	69	45	56.0	+5.9	87	18	28	2	36	296	41	62	1.87	−1.0	.97	8	5	.0	.0	12.4	se.	34	sw.	18	5	13	12	6.3	----
Dubuque	699	60	79	990.9	1,015.9	+.7	64	44	54.3	+5.7	84	25	29	9	35	336	41	63	2.98	+.1	.97	11	6	T	.0	7.5	s.	21	nw.	8	5	12	13	6.6	----
Burlington [2]	702	4	36	990.9	1,016.6	+1.4	67	45	55.7	+4.3	84	18	27	9	34	310	43	65	1.95	−1.2	.56	10	7	.0	.0	13.2	nw.	35	nw.	8	6	11	13	6.2	----
Cairo	357	5	99	1,004.7	1,017.6	+2.7	74	54	64.0	+4.9	86	27	40	2	32	123	----	----	2.19	−1.5	1.59	7	4	.0	.0	10.8	s.	29	s.	11	8	12	10	5.5	----
Peoria [2]	609	7	26	992.9	1,016.9	+1.3	65	45	55.0	+5.1	85	24	31	9	32	330	42	63	1.81	−1.6	.97	8	3	.0	.0	12.3	s.	31	w.	8	9	6	15	6.1	----
Springfield, Ill. [4]	636	5	191	994.6	1,016.9	+2.0	67	46	56.5	+6.2	84	25	32	9	30	295	44	64	1.29	−2.2	.44	6	5	.0	.0	14.7	s.	34	s.	10	8	11	11	5.8	----
St. Louis [4]	568	33	59	996.6	1,016.9	+1.7	70	50	60.1	+4.0	88	7	38	1	33	204	----	60	2.21	−1.6	1.09	9	6	.0	.0	14.5	s.	44	s.	19	10	9	11	----	----
MISSOURI VALLEY									58.2	+6.3								61	1.75	−1.2														6.1	
Columbia, Mo. [4]	784	6	66	987.5	1,015.9	+1.3	72	50	61.0	+6.2	87	18	32	1	34	180	43	60	.82	−3.0	.55	6	7	.0	.0	9.2	s.	24	sw.	19	12	10	8	5.0	----
Kansas City [2]	963	38	76	980.4	1,015.2	−.6	73	51	61.8	+7.0	87	18	31	1	37	149	42	54	.80	−2.7	.63	5	1	.0	.0	13.0	s.	37	sw.	18	5	12	13	6.5	----
St. Joseph [2]	967	5	51	980.0	1,014.6	+.4	72	48	59.8	+6.3	88	18	27	1	41	196	44	62	1.63	−1.6	1.01	7	8	.0	.0	10.5	s.	30	nw.	26	7	10	13	6.2	----
Springfield, Mo. [2]	1,324	5	50	968.5	1,013.9	−2.0	72	49	60.7	+5.5	85	18	33	14	36	165	44	60	1.22	−2.6	.34	8	7	.0	.0	14.2	s.	36	sw.	19	8	9	13	5.8	----
Topeka [4]	987	65	87	979.0	1,014.2	+.3	74	50	62.0	+7.3	91	18	30	1	38	143	44	59	2.01	−.8	1.87	5	8	.0	.0	11.2	s.	29	sw.	23	4	13	13	6.6	----
Lincoln [4]	1,189	6	81	970.5	1,013.5	−.7	69	46	57.9	+6.4	88	18	27	2	39	239	42	61	1.92	−.6	1.10	8	6	.0	.0	11.0	s.	32	s.	3	5	11	14	6.6	----
Norfolk, Nebr. [2]	1,551	5	38	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Omaha [2]	1,105	5	68	974.3	1,014.2	−.4	69	45	57.0	+6.0	89	18	26	2	38	263	43	62	2.57	+1.1	1.14	11	8	.0	.0	13.8	s.	44	s.	3	7	11	12	6.2	----
Valentine	2,598	46	54	920.4	1,011.9	−2.7	66	38	52.2	+6.5	87	17	19	2	42	391	34	54	1.68	−.2	.76	10	6	.0	.0	11.3	s.	35	nw.	24	11	12	7	5.2	----
Sioux City [2]	1,138	5	40	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Huron [2]	1,301	5	41	965.8	1,012.9	−2.3	64	38	51.0	+5.9	86	18	16	2	41	424	38	67	3.10	+.9	1.38	11	6	T	.0	15.7	se.	46	s.	3	4	12	14	6.6	----
NORTHERN SLOPE									46.2	+2.1								58	1.26	−.1														7.0	
Billings [2]	3,570	16	39	886.6	1,010.5	−4.7	60	36	48.0	+2.0	84	29	19	8	41	511	31	54	.74	----	.41	9	3	.4	.0	10.4	sw.	38	n.	17	1	14	15	7.4	----
Havre	2,507	11	67	922.5	1,010.2	−4.7	56	32	43.8	+.1	77	21	16	7	43	638	29	61	1.11	+.1	.50	11	2	5.8	.0	9.4	e.	38	e.	29	5	8	17	6.9	----
Helena [2]	4,124	5	43	876.4	1,010.2	−4.7	56	31	43.2	−.3	77	29	20	7	45	653	28	60	.58	−.5	.23	7	4	2.0	.0	9.3	w.	37	s.	29	1	8	21	7.7	----
Missoula [2]	3,263	4	32	897.7	1,012.5	−2.4	55	31	43.1	−.8	78	28	20	4	43	655	31	65	.65	−.2	.19	9	1	2.6	.0	6.9	nw.	40	w.	21	1	4	25	8.5	----
Kalispell	2,973	48	56	907.2	1,010.8	−3.8	51	33	42.0	−1.6	73	29	20	12	38	689	32	68	1.92	+1.1	.54	16	0	10.5	.0	6.0	w.	29	sw.	29	0	8	22	7.9	----
Miles City [2]	2,371	5	28	918.1	1,011.2	−4.7	62	34	48.0	----	82	29	9	8	43	515	32	60	1.09	----	.65	9	2	.7	.0	----	nw.	----	----	----	3	12	15	6.9	----
Rapid City [2]	3,259	5	56	897.4	1,011.5	−4.1	64	34	48.8	+4.7	88	17	15	8	45	483	32	59	1.62	+.2	.68	12	5	.1	.0	15.9	nw.	50	nw.	7	6	8	16	6.5	----
Cheyenne [2]	6,094	22	40	809.7	1,011.5	−2.0	59	31	44.8	+3.9	75	17	18	8	38	608	26	50	.73	−1.3	.66	4	4	1.6	.0	13.4	nw.	49	nw.	19	6	12	12	6.2	----
Lander [2]	5,352	6	30	831.7	1,011.9	−2.0	57	31	44.0	+1.6	78	28	19	8	40	634	25	48	.78	−1.3	.46	4	0	T	.0	8.3	sw.	42	s.	29	8	14	8	5.6	----
Sheridan [2]	3,790	5	38	879.8	1,011.2	−3.7	61	32	46.8	+3.5	85	29	16	8	46	553	30	57	4.53	+2.6	3.84	8	0	11.5	.0	10.4	nw.	45	s.	29	2	15	13	6.7	----
North Platte [4]	2,821	11	51	913.0	1,011.5	−2.7	71	42	56.2	+7.6	92	18	26	8	44	274	35	52	.08	−2.0	.07	2	3	.0	.0	9.1	s.	26	s.	3	5	14	11	6.3	----

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS FOR APRIL 1948—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 °F.	Averages: Mean minimum °F.	Averages: Mean	Averages: Departure from normal	Extremes: Highest °F.	Extremes: Date	Extremes: Lowest	Extremes: Date	Extremes: Greatest daily range °F.	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: 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	Average cloudiness, tenths (sunrise to sunset)	Possible sunshine
	Ft.	Ft.	Ft.	Mb.	Mb.	Mb.			°F.	°F.			°F.				°F.	%	In.	In.	In.			In.	In.	m. p. h.					0-5	4-7	8-10	0-10	%
MIDDLE SLOPE									60.7	+6.6								51	1.30	−1.3															5.2
Denver [4]	5,292	106	113	834.4	1,010.5	−2.0	66	40	53.2	+6.1	83	29	29	8	35	355	24	40	1.22	−.8	1.07	2	0	4.1	.0	8.3	s.	28	n.	24	10	14	6	4.9	----
Pueblo [2]	4,690	5	36	853.4	1,010.5	−1.4	71	38	54.8	+5.4	87	18	21	1	46	309	33	47	1.32	.0	.89	4	0	5.4	.0	9.5	nw.	44	w.	10	10	11	9	5.0	----
Concordia	1,392	50	58	963.8	1,013.2	−1.0	72	49	60.2	+6.7	88	18	31	1	38	181	41	53	.94	−1.4	.72	3	3	.0	.0	10.8	s.	35	sw.	3	10	14	6	4.9	----
Dodge City [2]	2,509	5	58	924.8	1,011.5	−2.0	74	47	60.3	+6.7	90	18	29	1	39	173	38	49	.50	−1.4	.46	3	1	.0	.0	18.5	s.	52	s.	3	7	16	7	5.4	----
Wichita [2]	1,358	52	64	965.1	1,013.2	.0	75	51	63.0	+6.6	89	30	32	1	35	120	42	52	1.65	−1.3	1.06	5	5	.0	.0	18.1	s.	47	s.	10	7	12	11	5.8	----
Oklahoma City [4]	1,214	10	47	970.5	1,013.2	.0	80	56	67.8	+8.0	93	30	35	1	35	57	48	57	2.06	−1.2	1.76	3	1	.0	.0	11.1	s.	26	sw.	10	8	17	5	4.7	----
Tulsa [2]	674	10	60	990.2	1,014.2	----	78	53	65.8	+6.9	89	30	37	14	40	78	48	60	1.40	−2.8	.97	5	5	.0	.0	13.8	s.	36	sw.	11	8	12	10	5.6	----
SOUTHERN SLOPE									67.6	+5.6								43	.81	−1.0															5.2
Abilene [2]	1,755	4	59	952.3	1,011.9	−3.7	85	57	71.2	+8.2	99	30	38	2	38	38	43	46	1.33	−1.4	.78	3	2	.0	.0	17.3	s.	41	s.	3	10	12	8	5.3	----
Amarillo [2]	3,604	5	42	887.1	1,011.1	−1.1	78	45	61.4	+7.6	94	18	20	1	45	146	34	42	.73	−1.1	.73	1	2	.0	.0	16.6	s.	49	sw.	10	11	8	11	5.4	----
Del Rio	960	63	71	979.0	1,011.9	−2.0	88	62	75.0	+4.4	99	12	48	1	37	6	52	53	.91	−.9	.62	2	3	.0	.0	10.5	se.	43	n.	13	11	11	8	4.7	----
Roswell	3,614	6	29	889.3	1,010.8	.0	82	43	62.9	+2.3	94	18	24	1	51	111	26	32	.28	−.6	.28	1	3	.0	.0	10.0	s.	40	sw.	23	9	13	8	5.3	----
SOUTHERN PLATEAU									63.6	+3.5								30	.14	−.4															4.8
El Paso [2]	3,916	35	85	884.9	1,010.2	.0	82	53	67.4	+5.1	94	17	29	1	41	47	24	22	.11	−.2	.11	1	2	.0	.0	11.7	w.	38	nw.	24	14	10	6	4.2	----
Albuquerque [2]	5,314	5	45	836.1	1,009.8	−.4	74	45	59.3	+5.3	86	17	30	2	40	185	24	30	.33	−.3	.16	3	3	.0	.0	10.4	nw.	43	w.	11	9	13	8	5.2	----
Flagstaff	6,907	34	48	789.7	1,015.6	+5.1	62	30	46.0	+2.7	77	16	18	12	45	569	23	43	.38	−.9	.27	4	0	.9	.0	----	w.	--	------	--	8	11	11	5.6	----
Phoenix [4]	1,107	39	87	973.6	1,012.5	+.6	85	55	69.8	+2.8	99	16	44	1	41	18	34	30	.00	−.4	.00	0	0	.0	.0	7.5	e.	31	w.	23	9	12	9	5.3	----
Tucson [2]	2,555	5	39	925.2	1,012.5	+2.3	85	51	68.0	+3.6	98	16	38	1	43	41	27	23	T	−.3	T	0	0	.0	.0	7.5	se.	30	sw.	23	11	11	8	5.0	----
Yuma	142	9	54	1,007.8	1,012.9	+1.7	88	55	71.2	+1.1	47	16	45	7	43	7	36	32	.00	−.1	.00	0	0	.0	.0	7.6	w.	32	w.	11	16	14	0	3.5	----
MIDDLE PLATEAU									47.6	−.2								49	.99	.0															6.8
Reno [2]	4,527	20	52	859.8	1,013.9	−.7	59	30	44.7	−1.4	72	20	17	8	47	612	27	50	.67	+.2	.33	11	0	.8	.0	13.6	s.	50	se.	8	3	15	12	6.5	----
Winnemucca	4,339	5	56	864.9	1,012.9	−1.7	59	32	45.6	−1.1	74	20	20	8	41	581	28	52	1.02	+.2	.45	16	0	2.0	.0	9.9	sw.	40	s.	4	3	7	20	7.8	----
Modena	5,473	10	46	831.0	1,011.5	.0	62	29	45.4	−.6	76	16	12	12	45	588	----	----	1.20	+.3	1.08	6	1	10.8	.0	11.9	sw.	37	sw.	3	8	8	14	6.1	----
Salt Lake City [2]	4,357	32	58	864.5	1,012.2	−1.0	61	38	49.7	+1.8	80	28	26	7	38	460	32	54	1.56	−.2	.65	7	1	1.9	.0	11.1	se.	44	sw.	29	3	10	17	7.0	----
Grand Junction [2]	4,602	5	26	857.4	1,012.2	−1.0	66	40	52.8	+.4	84	28	26	1	39	364	28	41	.48	−.4	.28	5	2	T	.0	10.4	se.	42	sw.	22	7	9	14	6.4	----
NORTHERN PLATEAU									45.3	−2.6								61	1.59	+.5															7.7
Baker [4]	3,471	36	54	892.0	1,013.2	−3.4	53	32	42.5	−2.7	70	20	21	8	36	674	30	66	1.52	+.4	.79	17	0	8.6	.0	6.4	s.	30	sw.	9	1	6	23	8.0	----
Boise [2]	2,739	5	49	913.0	1,013.2	−2.0	59	37	48.0	−1.1	79	28	26	26	38	507	32	58	1.37	+.2	.39	13	3	T	.0	11.9	se.	42	s.	28	1	7	22	7.9	----
Pocatello [2]	4,478	5	31	860.1	1,013.2	−.3	57	34	45.1	+.2	78	28	22	7	38	600	29	55	1.51	.0	.31	11	2	3.2	.0	12.4	sw.	42	sw.	17	2	17	11	6.8	----
Spokane [2]	1,929	6	51	927.9	1,012.2	−3.4	53	34	43.5	−4.9	72	21	27	8	33	646	34	69	3.08	+2.0	.89	18	2	.3	.0	9.3	sw.	34	sw.	21	1	6	23	8.2	----
Yakima [2]	1,076	4	54	973.6	1,012.5	−2.7	61	34	47.4	−4.4	78	20	24	26	41	525	32	58	.46	−.1	.17	9	1	T	.0	----	w.	--	------	--	3	8	19	7.5	----
NORTH PACIFIC COAST									47.1	−2.6								76	3.69	+.6															8.2
North Head	211	5	55	1,006.1	1,013.9	−4.4	51	41	45.8	−1.7	60	14	34	27	14	573	40	82	4.63	+.5	.61	28	0	T	.0	15.8	s.	47	s.	24	2	5	23	7.9	----
Seattle [4]	125	90	321	1,009.1	1,013.9	−3.4	54	42	48.0	−3.1	69	20	36	4	26	511	39	74	2.60	+.2	.51	19	1	T	.0	10.0	s.	34	s.	6	2	5	23	8.0	----
Tacoma	194	172	201	1,006.4	1,013.5	−4.1	54	40	47.0	−1.7	66	20	34	27	24	540	----	----	3.51	+.7	.78	20	2	T	.0	9.2	s.	31	s.	6	1	10	19	7.6	----
Tatoosh Island	86	5	61	1,009.8	1,012.9	−4.0	49	40	44.8	−1.3	56	8	33	3	15	608	38	80	5.54	−.1	1.01	22	0	.2	.0	14.2	e.	47	s.	21	1	7	22	8.0	----
Medford [2]	1,329	29	58	966.8	1,015.2	−1.4	57	36	46.8	−5.3	75	19	26	7	40	551	36	72	2.31	+1.0	.88	15	1	1.3	.0	----	n.	--	------	--	2	4	24	7.9	----
Portland, Oreg. [4]	154	68	106	1,009.1	1,014.6	−3.0	56	43	49.6	−2.2	69	19	35	27	25	462	40	75	4.58	+1.7	.83	21	0	T	.0	6.3	s.	22	e.	8	0	4	26	9.0	----
Roseburg	510	45	76	996.6	1,015.6	−2.7	57	39	48.0	−3.0	72	14	32	7	30	509	40	75	2.67	+.4	.61	21	0	T	.0	4.9	s.	24	sw.	4	0	1	29	8.8	----
MIDDLE PACIFIC COAST									52.5	−3.0								75	4.60	+2.6															7.0
Eureka	60	72	88	1,015.6	1,018.0	−1.3	54	43	48.6	−1.3	68	14	34	2	23	491	42	78	6.53	+3.2	1.31	24	0	T	.0	9.0	se.	27	sw.	4	2	6	22	7.8	----
Red Bluff [2]	353	5	26	1,003.1	1,015.9	----	62	44	53.1	−5.9	76	19	35	6	30	353	42	70	5.79	+4.1	1.37	17	2	.0	.0	9.9	se.	34	se.	4	6	6	18	7.1	----
Sacramento [4]	66	92	115	1,014.9	1,017.3	+1.7	63	46	54.7	−3.4	76	25	39	29	27	308	45	75	3.05	+1.5	.46	16	0	.0	.0	8.4	s.	32	se.	29	7	10	13	6.3	----
San Francisco [4]	155	112	132	1,012.5	1,018.3	+1.4	59	48	53.6	−1.4	70	14	44	28	15	343	44	76	3.04	+1.4	.53	16	2	.0	.0	9.7	w.	37	s.	8	7	8	15	6.6	----
SOUTH PACIFIC COAST									60.5	+.9								63	1.06	+.1															6.0
Fresno [2]	327	5	34	1,005.1	1,017.3	+1.7	72	48	59.8	−.4	85	15	40	4	37	173	45	61	2.28	+1.3	.86	11	1	.0	.0	7.3	nw.	34	nw.	28	9	7	14	6.1	----
Los Angeles	338	236	263	1,005.1	1,017.3	+2.1	70	51	60.4	+1.0	90	16	44	4	29	170	46	65	.78	−.3	.38	7	0	.0	.0	7.4	w.	32	nw.	23	8	10	12	6.1	----
San Diego [2]	87	20	55	1,014.6	1,017.6	+2.4	70	53	61.2	+2.2	90	15	44	12	33	138	48	64	.13	−.6	.08	2	0	.0	.0	7.7	nw.	27	s.	28	8	8	14	5.9	----
PANAMA CANAL																																			
Balboa Heights [6]	118	6	92	------	1,010.9	----	92	73	81.8	−.2	97	27	69	21	23	0	71	74	.11	−2.6	----	2	1	.0	.0	8.2	nw.	24	nw.	8	6	16	8	6.0	----
Cristobal [6]	27	37	92	------	1,011.8	----	83	78	80.6	−1.1	85	27	75	30	9	0	72	80	1.57	−2.5	----	9	0	.0	.0	13.6	n.	26	ne.	15	0	22	8	6.5	----
ALASKA																																			
Anchorage [2]	132	6	44	1,016.6	1,021.7	----	43	20	31.4	−4.0	55	29	0	1	37	1000	20	59	.08	−.3	.05	2	0	T	.0	6.6	n.	30	n.	22	11	14	5	4.3	----
Annette Island	113	5	53	1,009.5	1,013.5	----	47	34	40.4	−2.5	56	21	25	2	20	741	28	63	1.23	−5.4	.37	11	0	T	.0	----	nw.	--	------	--	8	8	14	6.1	----
Barrow	29	5	27	1,014.2	1,014.6	----	13	−8	2.4	+2.6	33	26	−26	17	41	1878	3	92	.45	+.3	.12	12	0	6.7	29.0	13.3	w.	38	nw.	13	1	9	20	7.4	----
Bethel [2]	28	5	31	1,027.8	1,029.1	----	31	20	25.9	−1.3	38	30	4	22	26	1174	25	92	1.04	+.5	.35	12	0	1.1	.1	12.0	sw.	--	------	--	5	5	20	7.3	----
Cordova [2]	45	5	32	1,005.8	1,016.9	----	45	21	32.9	−3.0	56	8	11	19	34	962	24	70	.08	−3.0	.08	1	0	T	T	----	n.	19	n.	11	18	10	2	3.2	----
Fairbanks [2]	455	5	63	1,004.4	1,022.4	----	33	14	23.2	−6.2	46	29	−18	18	42	1254	18	77	2.30	+2.0	.51	14	0	25.1	5.2	10.1	sw.	27	sw.	11	3	8	19	7.4	----
Galena	139	4	66	1,016.6	1,021.3	----	31	16	23.4	+1.4	39	11	−10	17	29	1249	19	74	.34	+.2	.11	9	----	2.2	10.4	----	sw.	40	sw.	10	4	9	17	6.7	----
Gambell	32	5	32	1,020.7	1,021.7	----	31	25	27.8	+9.1	34	5	9	16	16	1116	27	93	.30	−.4	.15	9	0	1.3	6.0	17.4	sw.	35	sw.	4	2	4	24	8.4	----
Juneau [2]	80	6	30	1,015.2	1,015.9	----	45	24	34.5	−4.9	55	28	7	2	30	917	22	61	.27	−2.5	.12	4	0	4.7	.0	5.8	n.	22	e.	20	7	11	12	5.7	----
Kotzebue [2]	20	5	31	1,019.0	1,019.6	----	24	9	16.8	+2.9	37	3	−16	23	27	1442	17	92	1.34	+1.0	.21	18	0	11.4	32.9	18.4	sw.	40	sw.	10	6	8	16	7.1	----
McGrath [2]	341	5	31	1,012.2	1,025.4	----	34	16	24.7	−1.4	46	12	−10	17	37	1212	19	76	.35	−.1	.15	9	0	2.8	5.0	----	sw.	29	ssw.	24	4	7	19	7.2	----
Nome [2]	22	10	75	1,022.0	1,022.7	----	29	19	24.0	+4.3	35	11	−7	22	30	1227	24	93	1.13	+.5	.30	16	0	8.5	44.2	16.5	sw.	41	sw.	5	6	2	22	7.7	----
Northway [2]	1,718	5	32	956.3	1,021.3	----	32	11	21.6	−3.4	51	30	−20	1	48	1301	12	66	1.13	+.7	.24	10	0	10.9	5.6	8.0	nw.	30	nw.	11	5	5	20	7.4	----
HAWAII																																			
Honolulu [4]	38	86	98	1,014.9	1,016.3	----	78	69	73.2	+.2	82	23	63	2	15	0	64	74	3.14	+1.0	1.85	13	1	0	.0	9.5	ne.	29	ne.	2	11	14	5	5.0	----

[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 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] Bihourly hygrometric data.

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