CLIMATOLOGICAL DATA

CONDENSED CLIMATOLOGICAL SUMMARY OF TEMPERATURE AND PRECIPITATION BY SECTIONS

[For description of tables and charts, see REVIEW, January ,p. 31]

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	78.8	+0.5	2 stations	101	[1] 11	Livingston	47	18	4.24	+0.04	Mobile Airport	11.46	Athens	0.97
Arizona	71.4	−4.0	4 stations	112	[1] 17	Alpine	19	9	.27	−.10	Ganado	3.19	31 stations	.00
Arkansas	76.2	−.9	Corning	103	30	Lead Hill	47	16	4.01	−.05	Nashville	9.28	Marked Tree	.44
California	65.6	−2.5	Greenland Ranch	113	[1] 13	Ellery Lake	18	8	.33	.00	Upper Mattole	2.97	81 stations	.00
Colorado	60.1	−1.6	Las Animas	103	20	Pearl	18	1	2.19	+.78	Genoa	5.69	Delta	.56
Florida	80.4	+.6	Hastings	102	11	Vernon	57	17	7.62	+.89	Palatka	14.89	Key West	1.82
Georgia	78.4	+.3	2 stations	105	[1] 9	Blairsville	43	18	6.27	+1.81	Dover	16.37	Fort Gaines	2.11
Idaho	59.9	−.5	Hazelton	103	22	Pelton's Ranch	16	1	2.43	+1.11	Grangeville	5.74	Aberdeen	.38
Illinois	73.4	+1.3	New Burnside	103	26	Waukegan	40	9	4.34	+.42	Geneseo	10.91	Anna	.58
Indiana	72.4	+.9	Shoals	102	28	2 stations	41	17	5.64	+1.77	Greencastle	14.32	Mount Vernon	1.75
Iowa	7.00	+.4	7 stations	98	[1] 21	Sibley	41	8	6.20	+1.57	Madrid	13.45	Durmont (near)	2.46
Kansas	72.1	−1.7	Salina	106	30	Tribune	41	13	6.35	+2.34	Scandia	13.51	Richfield	2.04
Kentucky	74.7	+.8	2 stations	103	[1] 28	Annville	41	6	4.67	+.51	Williamstown	10.82	Russellville	.59
Louisiana	79.9	−.2	Bogalusa	102	28	Plain Dealing	58	17	7.01	+2.30	Belle Chasse	19.86	Bastrop	2.92
Maryland-Delaware	70.5	−.2	Cumberland, Md	97	27	Oakland, Md	34	11	4.88	+.89	Friendsville, Md	10.09	Crisfield, Md	1.01
Michigan	66.2	+2.9	Paw Paw	100	30	2 stations	26	[1] 9	2.29	−.79	Eau Claire (near)	7.16	Detour	.23
Minnesota	65.9	+1.0	Redwood Falls	96	25	Meadowlands	28	9	5.05	+1.01	International Falls	8.19	Grand Marias	2.18
Mississippi	79.2	+.4	3 stations	100	[1] 10	Batesville	49	17	3.59	+.65	Pearlington	9.64	Holly Springs	.90
Missouri	74.1	+.5	Sikeston	103	30	Goodland	43	16	4.23	−.40	Jerome	8.21	Cape Girardeau	.67
Montana	60.8	+.9	2 stations	106	23	Summit	24	6	3.29	+.81	Culbertson (near)	6.94	Libby	1.12
Nebraska	68.8	−.6	Lincoln (Agronomy Farm).	101	29	2 stations	36	[1] 13	4.86	+1.23	Superior	12.81	Brewster	1.17
Nevada	62.3	−2.3	Las Vegas (airport)	107	23	do	24	[1] 8	1.14	+.63	Arthur	3.15	Mina	.00
New England	65.0	+1.0	8 stations	98	[1] 27	3 stations	30	[1] 1	3.42	−.04	Hatchville, Mass	7.82	Eastport, Maine	.52
New Jersey	69.4	+.4	2 stations	98	[1] 22	Charlotteburg	37	[1] 11	5.09	+1.26	Trenton No. 2	8.25	Barnegat City	2.99
New Mexico	65.0	−3.8	Orogrande	108	[1] 19	Irvins Ranch	24	9	2.02	+.75	Clovis	8.57	White Sand	.01
New York	66.8	+1.8	3 stations	99	[1] 27	Whiteface Mountain.	29	[1] 9	3.22	−.43	Mohonk Lake	7.40	Alexandria Bay	.57
North Carolina	74.0	.0	Wadesboro	101	2	Banners Elk	36	6	5.05	+.37	New Holland	10.42	Roxboro	1.37
North Dakota	64.2	+1.2	Hettinger	97	27	5 stations	32	7	5.54	+2.11	Dickinson Airport	10.39	Hansboro	2.49
Ohio	70.9	+1.3	2 stations	100	28	2 stations	40	11	5.91	+2.01	Marietta	11.26	Defiance	2.11
Oklahoma	74.7	−2.5	do	102	[1] 28	Kenton	43	10	6.30	+2.42	Norman (University of Oklahoma).	12.02	Guymon	2.03
Oregon	59.6	−1.3	Medford	102	11	Fremont	22	2	2.94	+1.67	Cove	6.64	Big Eddy	.03
Pennsylvania	68.6	+.5	Sharon	99	28	Kane	31	11	4.96	+.82	Newell	11.73	Galeton	2.20
South Carolina	77.6	.0	Bishopville	104	[1] 2	Longcreek (near)	46	18	8.42	+3.64	Yemassee	17.00	Anderson	2.05
South Dakota	66.7	+.3	White Lake	102	25	Clark	37	9	5.35	+1.94	Victor	12.00	Castlewood	2.49
Tennessee	76.2	+1.5	Dickson	101	27	Gatlinburg	45	18	3.39	−.82	Carthage	9.47	Moscow	.50
Texas	77.8	−2.4	Rio Grande	104	10	Mount Locke	47	12	5.72	+2.76	Port Isabel	16.01	Langtry	.00
Utah	62.1	−2.6	2 stations	101	[1] 17	2 stations	23	[1] 6	1.69	+1.10	Silver Lake (Brighton).	4.53	Kanaba	.20
Virginia	71.6	−.1	Warsaw	102	30	Burkes Garden	40	6	4.27	+.08	Clarksville	7.91	Moore's Creek Dam	.42
Washington	60.9	.0	Mottinger	104	22	2 stations	29	[1] 2	2.07	+.52	Touchet Ridge	5.78	White Swan	.15
West Virginia	70.1	+.4	Huntington	101	28	Bayard	31	11	6.03	+1.56	Hastings	10.39	Branchland	2.79
Wisconsin	66.6	+1.5	Wisconsin Rapids	101	26	Long Lake	28	9	2.74	−1.32	Grantsburg	6.15	Manitowoc	.92
Wyoming	58.3	−.4	2 stations	101	23	Foxpark	21	2	2.68	+1.04	Knowles	8.04	Elk Mountain	.39
Alaska (May)	43.8	+2.6	Seclusion Harbor	80	29	Barrow	4	1	1.58	−.02	Latouche	9.32	Pilgrim Springs	.06
Hawaii	74.2	+1.4	Kaneboe, Mauka	98	8	Halekala (Maui)	38	[1] 19	7.85	+3.27	Kukui (Maui)	46.00	3 stations	.00
Puerto Rico	78.7	+.9	Manati	96	11	2 stations	57	[1] 10	6.02	+.14	La Mina (El Yunque).	15.44	Santa Rita	.20

[1] Other dates also.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max.+mean min.÷2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch, or more	Wind: Average hourly velocity	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
New England							**64.4**	**+1.2**										**74**	**3.36**	**+0.3**										**5.3**		
Eastport	75	67	85	29.81	29.89	−0.04	54.8	−0.3	92	22	63	41	5	47	37	51	48	83	0.52	−2.4	9	8.3	s.	30	e.	5	8	12	10	5.8	0.0	0.0
Greenville, Maine	1,070	6	41	28.77	29.92	-----	61.6	+2.6	92	21	76	34	1	48	46	56	52	---	2.23	−1.6	12	-----	nw.	-----	-----	-----	6	7	17	----	.0	.0
Portland, Maine [1]	103	5	36	29.80	29.91	−.04	63.8	+1.3	97	27	76	39	7	51	45	57	53	70	.70	−2.6	9	7.0	w.	28	w.	9	14	7	9	4.8	.0	.0
Concord [2]	289	54	72	29.62	29.93	−.03	65.3	+2.4	96	28	78	35	12	52	49	59	55	71	2.25	−.9	9	7.0	nw.	33	nw.	9	5	17	8	6.1	.0	.0
Burlington [2]	403	11	48	29.49	29.92	−.04	66.7	+1.0	95	27	78	41	12	56	32	60	54	64	1.52	−1.9	6	7.7	s.	21	w.	9	4	16	10	6.3	.0	.0
Northfield	876	12	60	29.01	29.94	−.02	63.0	+1.7	94	27	76	33	12	50	45	-----	-----	---	3.96	+.8	12	6.8	sw.	27	n.	9	6	15	9	6.0	.0	.0
Boston [1]	124	33	62	29.80	29.93	−.03	68.2	+1.7	96	27	77	50	6	59	33	60	55	68	4.29	+1.4	12	10.8	sw.	38	ne.	5	9	12	9	5.6	.0	.0
Nantucket	12	10	63	29.93	29.94	−.04	61.8	+.8	86	21	68	46	7	55	25	57	55	83	5.90	+3.2	10	12.3	sw.	44	ne.	6	11	9	10	5.4	.0	.0
Block Island	26	11	46	29.92	29.95	−.02	62.0	+.2	82	21	68	48	6	56	20	57	54	81	5.90	+3.3	9	15.8	sw.	40	ne.	5	16	7	7	3.5	.0	.0
Providence [2]	159	65	74	29.78	29.95	−.02	68.8	+.5	96	27	79	49	6	59	35	60	56	74	4.01	+1.3	13	9.4	sw.	42	nw.	10	12	8	10	5.1	.0	.0
Hartford [1]	159	5	44	29.77	29.94	−.03	68.2	+1.1	94	27	79	44	12	58	33	61	57	72	4.00	+.9	9	8.5	s.	26	n.	9	12	7	11	5.3	.0	.0
New Haven [2]	107	74	153	29.84	29.96	−.01	68.4	+1.8	93	22	77	50	12	60	29	61	58	78	4.98	+1.9	9	9.0	s.	27	ne.	5	13	6	11	4.9	.0	.0
Middle Atlantic States							**71.5**	**+0.9**										**72**	**4.36**	**+0.6**										**5.7**		
Albany [1]	97	26	40	29.83	29.94	−.03	68.7	+.7	97	27	80	38	12	57	38	61	55	66	1.56	−2.8	9	8.7	s.	31	w.	8	10	10	10	5.5	.0	.0
Binghamton	871	57	79	29.06	29.98	+.01	67.8	+2.2	94	27	79	44	11	56	37	61	57	71	2.82	−.6	10	5.7	e.	23	sw.	14	7	8	15	6.3	.0	.0
New York	314	415	454	29.62	29.95	−.03	70.2	+1.4	94	22	78	52	1	62	25	62	57	68	4.04	+.7	6	13.5	sw.	45	nw.	9	12	7	11	5.2	.0	.0
Harrisburg [1]	374	30	49	29.57	29.97	−.02	71.6	+1.3	95	22	82	53	11	61	35	63	59	70	3.47	−.1	13	6.8	w.	23	e.	23	9	10	11	5.9	.0	.0
Philadelphia [2]	114	174	367	29.85	29.97	−.01	72.1	+.7	95	22	81	55	1	64	26	64	60	71	4.96	+1.7	8	11.5	sw.	31	n.	5	12	8	10	5.3	.0	.0
Reading	323	47	306	29.62	29.97	-----	71.2	+.8	94	22	81	53	11	62	29	63	58	67	4.76	+1.2	11	9.2	nw.	38	e.	23	12	8	10	5.1	.0	.0
Scranton	805	72	104	29.12	29.96	−.02	68.6	+.8	93	27	79	46	11	58	35	-----	-----	---	4.61	+.9	14	6.1	sw.	26	ne.	5	12	5	13	5.2	.0	.0
Atlantic City	52	37	172	29.91	29.96	−.02	68.4	+1.8	89	19	75	54	3	62	24	63	59	77	4.12	+1.1	6	14.7	s.	36	nw.	5	11	10	9	5.2	.0	.0
Trenton	190	89	107	29.76	29.96	-----	70.9	+1.4	94	22	80	54	12	62	29	63	58	70	6.51	+3.4	9	8.3	s.	30	sw.	17	10	9	11	5.7	.0	.0
Baltimore [2]	123	100	215	29.84	29.98	−.01	73.6	+.9	95	21	82	57	4	65	28	66	62	74	7.77	+3.9	10	9.0	s.	38	ne.	23	9	11	10	5.6	.0	.0
Washington	112	62	85	29.86	29.97	−.03	73.2	+1.0	96	21	83	54	11	64	30	65	61	70	4.38	+.2	10	5.2	sw.	24	sw.	15	13	6	11	5.4	.0	.0
Cape Henry	18	8	54	29.97	29.99	-----	73.5	+.6	94	30	81	58	7	66	31	67	65	80	5.28	+1.3	11	10.1	sw.	38	w.	14	7	14	9	6.0	.0	.0
Lynchburg	686	144	184	29.27	30.00	−.01	73.6	−1.0	95	22	84	56	18	63	33	65	62	72	4.73	+.9	12	6.0	w.	25	ne.	1	6	14	10	6.3	.0	.0
Norfolk [2]	91	80	125	29.90	30.00	.00	74.8	+.4	93	30	83	59	7	66	29	68	65	81	4.31	+.1	13	8.8	sw.	33	n.	14	6	12	12	6.5	.0	.0
Richmond [2]	144	11	52	29.83	29.98	−.03	74.4	+.3	95	29	85	55	6	64	29	66	63	77	2.08	−1.8	11	6.8	sw.	30	n.	14	5	12	13	6.2	.0	.0
South Atlantic States							**77.3**	**+0.8**										**79**	**6.65**	**+2.0**										**6.6**		
Asheville	2,253	89	104	27.72	30.00	−.01	71.8	+3.1	90	28	82	50	6	61	34	63	60	75	3.67	−.3	12	6.1	nw.	23	s.	7	6	13	11	6.2	.0	.0
Charlotte [2]	779	63	86	29.17	29.98	−.03	77.0	+1.5	96	2	86	60	18	68	27	68	65	75	4.07	−.2	12	5.8	sw.	23	sw.	4	4	8	18	7.0	.0	.0
Greensboro [1]	886	6	56	29.08	30.00	-----	74.0	-----	93	2	84	51	18	63	33	67	64	77	5.23	-----	14	7.0	sw.	30	ne.	5	3	12	15	7.2	.0	.0
Hatteras	11	5	50	30.00	30.01	.00	74.3	−1.3	84	2	79	59	7	69	19	70	69	85	2.43	−2.1	10	11.6	sw.	35	nw.	5	6	14	10	5.8	.0	.0
Raleigh [1]	376	27	69	29.60	30.00	−.01	75.6	−.1	96	2	86	54	6	65	34	69	66	78	3.37	−1.0	13	7.3	sw.	34	nw.	9	5	10	15	7.1	.0	.0
Wilmington	72	73	107	29.93	30.00	−.01	76.9	+.1	93	2	84	60	6	70	24	71	69	82	5.51	+.4	16	9.2	sw.	32	n.	2	7	10	13	6.3	.0	.0
Charleston [2]	48	11	92	29.95	30.00	−.01	78.7	−.2	97	10	85	69	11	72	26	72	71	85	11.03	+6.4	21	10.2	s.	29	nw.	13	3	10	17	7.0	.0	.0
Columbia, S. C. [2]	347	70	91	29.64	30.00	−.01	78.1	.0	100	10	88	64	6	69	30	70	67	77	9.94	+5.8	18	7.6	s.	27	nw.	2	8	9	13	6.0	.0	.0
Greenville, S. C.	1,040	70	78	28.90	30.00	-----	76.9	+2.8	96	10	86	60	18	68	28	-----	-----	---	2.66	−1.9	11	6.3	sw.	26	sw.	4	5	16	9	6.0	.0	.0
Augusta [2]	182	62	77	29.80	29.99	−.02	79.6	+.9	101	10	89	67	6	70	28	70	66	75	10.05	+5.4	17	5.4	se.	24	nw.	8	6	6	18	7.3	.0	.0
Savannah [2]	65	73	152	29.84	30.00	−.01	80.5	+1.5	100	10	89	68	15	72	25	72	70	80	12.28	+7.0	21	9.2	sw.	29	sw.	14	6	7	17	6.7	.0	.0
Jacksonville [2]	43	86	110	29.98	30.02	+.01	80.9	+1.0	98	11	89	69	4	72	25	73	71	80	8.10	+2.8	17	7.6	sw.	26	w.	10	2	13	15	7.0	.0	.0
Florida Peninsula							**82.2**	**+1.5**										**80**	**4.98**	**−1.1**										**5.6**		
Key West [2]	21	10	64	30.01	30.03	+.04	83.2	+1.3	91	28	89	72	4	77	16	77	75	78	1.82	−2.4	10	7.2	se.	22	ne.	18	8	16	6	5.3	.0	.0
Miami [2]	25	124	168	30.02	30.04	+.04	81.6	+1.6	90	24	87	68	24	76	22	75	73	81	6.05	−.8	12	7.7	se.	31	ne.	24	6	15	9	5.8	.0	.0
Tampa [1]	35	5	61	30.00	30.04	+.03	81.7	+1.5	95	9	89	69	2	74	22	75	73	80	7.06	−.2	9	9.7	w.	38	sw.	16	5	20	5	5.6	.0	.0
East Gulf States							**79.2**	**+0.6**										**78**	**6.17**	**+1.4**										**6.5**		
Atlanta [1]	1,173	5	72	28.79	29.98	−.03	77.4	+1.4	97	10	88	59	18	67	29	68	64	71	4.99	-----	12	8.5	w.	29	nw.	3	4	11	15	6.5	.0	.0
Macon [2]	370	79	87	29.61	29.99	−.02	79.1	+.2	96	10	88	60	18	70	29	70	67	76	5.56	+1.5	14	6.4	sw.	26	sw.	10	2	8	20	7.4	.0	.0
Thomasville	273	49	58	29.74	30.02	+.02	79.6	+.1	96	10	89	65	13	70	26	-----	-----	---	7.03	+1.6	17	-----	-----	-----	-----	-----	0	9	21	----	.0	.0
Apalachicola	35	11	51	29.98	30.02	-----	80.1	+.3	91	10	87	69	16	74	17	74	73	82	9.72	+4.1	13	7.3	w.	24	se.	19	2	11	17	7.2	.0	.0
Pensacola	56	54	79	29.95	30.01	+.02	79.4	+.1	91	24	86	69	24	73	22	74	72	82	6.14	+1.5	16	6.7	w.	25	nw.	14	5	14	11	6.2	.0	.0
Anniston	741	9	-----	-----	-----	-----	77.0	+2.0	96	10	87	54	18	67	35	-----	-----	---	3.86	−.3	12	-----	se.	-----	-----	-----	7	18	5	----	.0	.0
Birmingham [2]	700	11	48	29.27	30.00	+.01	78.7	+.8	96	30	89	62	17	69	27	69	65	72	2.62	−1.8	10	5.9	sw.	23	s.	12	7	12	11	5.8	.0	.0
Mobile [2]	57	86	161	29.95	30.01	+.02	80.4	+.1	95	29	88	69	21	72	21	74	73	86	10.11	+4.7	14	7.2	s.	27	w.	12	3	12	15	7.0	.0	.0
Montgomery [2]	218	92	105	29.77	30.00	.00	79.6	.0	95	10	88	64	18	71	27	71	67	74	5.02	+1.2	13	6.4	sw.	21	sw.	14	9	12	9	5.8	.0	.0
Meridian [2]	375	67	92	29.60	29.99	+.01	79.2	+1.1	95	30	89	60	18	69	32	71	68	76	3.24	−1.3	13	5.6	sw.	26	s.	1	5	16	9	5.9	.0	.0
Vicksburg [2]	247	82	102	29.71	29.97	.00	78.9	−.1	92	25	87	65	17	71	22	72	70	80	2.79	−1.2	12	7.4	sw.	22	n.	22	5	15	10	6.1	.0	.0
New Orleans [2]	53	76	84	29.95	30.00	+.02	81.6	+1.0	94	30	89	70	12	74	19	74	72	81	11.75	+5.9	17	5.6	sw.	18	se.	8	2	15	13	6.9	.0	.0
West Gulf States							**79.2**	**−0.5**										**79**	**6.83**	**+3.3**										**6.2**		
Shreveport [2]	249	92	227	29.77	29.96	.00	79.6	−1.1	94	30	89	63	17	71	23	72	69	76	4.26	+.8	9	9.5	s.	33	e.	6	6	18	6	5.5	.0	.0
Bentonville	1,303	12	51	28.61	29.95	+.01	73.2	−.9	93	30	84	52	16	63	28	-----	-----	---	5.50	+1.3	10	6.1	s.	18	w.	12	9	14	7	4.2	.0	.0
Fort Smith	463	57	82	29.45	29.92	−.02	77.2	−.3	95	25	87	61	13	68	26	68	64	68	4.70	+1.0	9	6.5	e.	23	nw.	10	11	9	10	5.2	.0	.0
Little Rock [2]	357	94	102	29.59	29.96	.00	77.0	−.4	93	25	86	61	14	68	23	70	67	78	5.99	+2.2	11	7.4	sw.	38	n.	10	10	10	10	5.6	.0	.0
Austin [2]	605	68	90	29.30	29.92	-----	79.6	−1.6	93	30	88	64	18	71	26	73	70	81	12.60	+10.2	10	7.2	s.	35	nw.	6	5	15	10	6.0	.0	.0
Brownsville [2]	57	88	96	29.83	29.89	-----	81.4	−1.0	93	16	87	68	20	76	17	77	75	87	8.45	+5.6	8	11.2	se.	28	se.	9	0	10	20	8.0	.0	.0
Corpus Christi [2]	20	11	78	29.89	29.92	+.01	82.4	+1.4	90	14	88	69	12	77	20	76	76	88	4.54	+2.0	12	12.3	s.	33	s.	20	1	16	13	7.2	.0	.0
Dallas [1]	512	6	46	29.40	29.93	-----	78.0	-----	95	30	88	62	18	68	30	71	68	77	12.18	+8.3	14	10.1	s.	40	s.	9	5	13	12	6.2	.0	.0
Fort Worth [1]	679	35	56	29.23	29.93	+.01	78.1	−1.8	96	24	88	61	13	68	30	70	67	75	7.12	+3.8	9	10.0	se.	32	ne.	10	5	16	9	5.8	.0	.0
Galveston [2]	54	106	114	29.90	29.95	.00	81.0	+.3	88	23	85	69	7	77	15	76	74	82	4.27	−.1	7	10.7	s.	26	s.	8	2	20	8	6.3	.0	.0
Houston [2]	138	157	190	29.81	29.95	-----	81.2	−.2	93	30	89	68	11	74	22	74	72	81	9.21	+4.6	17	9.5	se.	26	n.	24	2	14	14	6.7	.0	.0
Palestine	510	64	72	29.44	29.96	+.02	78.2	−.8	92	30	87	63	17	69	23	71	68	78	7.83	+4.2	15	6.8	s.	26	se.	20	5	13	12	6.3	.0	.0
Port Arthur	34	59	134	29.92	29.96	-----	81.0	-----	93	23	87	68	7	75	20	-----	-----	---	6.94	+2.1	11	12.1	s.	33	s.	20	2	16	12	6.5	.0	.0
San Antonio [1]	693	28	59	29.20	29.92	+.02	81.0	.0	95	23	90	65	12	72	29	74	72	80	2.03	−.4	9	8.7	se.	26	ne.	16	2	16	12	7.1	.0	.0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS—*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, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max.+mean min.÷2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch, or more	Wind: Average hourly velocity	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0–10	In.	In.
Ohio Valley and Tennessee							**74.1**	**+1.3**										**73**	**5.50**	**+1.6**										**5.6**		
Chattanooga [1]	762	21	54	29.20	29.99	−0.01	75.9	+0.5	95	10	88	53	18	64	40	68	65	74	3.52	------	13	5.4	s.	31	w.	3	5	8	17	6.8	0.0	0.0
Knoxville [2]	995	66	84	28.96	29.99	−.01	76.2	+2.2	92	28	86	56	18	66	31	67	63	72	3.95	−.2	12	5.2	sw.	25	sw.	2	7	11	12	5.7	.0	.0
Memphis [3]	399	78	86	29.54	29.94	−.03	78.8	+1.2	97	26	90	53	17	68	36	70	66	69	1.20	−2.4	9	7.3	sw.	25	sw.	25	6	14	10	5.8	.0	.0
Nashville [2]	546	167	187	29.39	29.96	−.03	77.7	+2.1	98	30	88	56	18	68	29	68	63	67	2.61	−1.4	10	7.7	sw.	43	sw.	7	9	14	7	5.0	.0	.0
Lexington	989	6	----	28.61	29.99	−.01	74.6	+2.4	97	30	86	52	17	63	30	----	----	----	4.18	+.1	14	----	----	----	----	----	13	10	7	----	----	----
Louisville [2]	525	106	120	29.40	29.95	−.03	75.6	+.9	95	27	85	54	17	66	26	67	64	73	6.82	+3.0	16	7.3	sw.	34	sw.	28	13	12	5	4.3	.0	.0
Evansville [1]	431	5	38	29.48	29.94	−.03	75.4	+.3	97	27	87	52	17	64	33	67	63	68	3.53	−.5	9	6.6	sw.	34	nw.	9	7	16	7	5.2	.0	.0
Indianapolis [2]	823	98	129	29.08	29.94	−.03	73.9	+2.3	96	30	83	51	17	65	28	66	62	75	7.03	+3.4	17	7.0	sw.	25	w.	28	12	7	11	5.2	.0	.0
Terre Haute [2]	575	68	149	29.34	29.94	------	75.2	------	97	22	85	51	17	65	30	67	64	74	10.85	+6.9	16	7.8	sw.	32	nw.	30	10	10	10	5.4	.0	.0
Cincinnati [2]	627	11	51	29.30	29.96	−.03	73.0	+1.8	95	30	82	51	17	64	28	66	63	75	5.81	+2.2	13	5.7	sw.	22	w.	13	10	7	13	5.8	.0	.0
Columbus [2]	822	90	110	29.10	29.96	−.03	73.0	+2.1	97	28	82	55	17	64	29	64	61	72	6.20	+2.9	14	8.0	s.	39	sw.	13	8	9	13	6.1	.0	.0
Dayton [2]	900	186	213	29.03	29.97	------	72.0	+.6	94	27	81	52	17	63	27	64	60	71	6.27	+2.5	14	8.4	sw.	33	w.	13	7	10	13	6.2	.0	.0
Elkins [2]	1,947	61	78	28.00	30.00	.00	67.7	+.8	88	26	79	45	11	57	38	62	60	83	8.01	+3.0	16	4.7	n.	22	nw.	13	6	12	12	6.1	.0	.0
Parkersburg	637	77	84	29.30	29.97	−.03	72.6	+1.2	96	28	83	51	6	62	31	65	62	75	6.10	+2.1	14	4.6	se.	32	w.	12	11	6	13	5.5	.0	.0
Pittsburgh [1]	842	39	54	29.08	29.98	−.01	70.4	−.3	95	28	80	51	11	60	31	62	58	69	4.42	+.6	13	8.7	sw.	35	nw.	7	7	12	11	5.5	.0	.0
Lower Lake Region							**68.9**	**+2.4**										**69**	**2.73**	**−0.6**										**5.1**		
Buffalo [2]	768	243	280	29.15	29.97	.00	66.0	+1.6	85	7	72	46	9	60	24	60	55	68	.82	−2.0	8	12.8	sw.	56	w.	7	9	15	6	4.9	.0	.0
Canton	448	10	61	29.46	29.93	------	67.6	+2.5	95	27	80	39	11	55	36	59	53	62	1.47	−1.8	6	7.5	sw.	30	w.	8	10	9	11	5.4	.0	.0
Ithaca	836	77	100	------	------	------	68.2	+2.0	93	28	80	43	11	57	35	----	----	----	3.24	−.3	12	7.4	nw.	24	se.	4	12	7	11	5.2	.0	.0
Oswego	335	71	85	29.59	29.95	−.02	66.6	+1.8	96	28	75	47	8	58	30	60	55	68	.99	−2.3	8	7.4	w.	22	sw.	8	17	8	5	3.9	.0	.0
Rochester [1]	523	5	69	29.40	29.96	−.01	68.7	+2.6	96	28	80	42	10	57	34	61	56	66	1.76	−1.2	8	8.7	sw.	37	w.	8	12	7	11	5.2	.0	.0
Syracuse [1]	596	5	51	29.32	29.95	−.02	68.7	+3.1	97	28	81	44	11	57	36	62	57	68	2.96	−.9	13	8.5	sw.	34	sw.	8	11	8	11	5.5	.0	.0
Erie [2]	714	57	81	29.22	29.98	.00	68.4	+2.2	91	28	76	50	10	61	26	62	58	75	2.58	−.8	9	7.2	w.	22	w.	7	13	8	9	4.4	.0	.0
Cleveland [1]	762	27	54	29.16	29.96	−.02	70.6	+3.5	97	26	82	47	11	60	33	62	58	68	2.79	−.3	10	8.6	se.	31	sw.	7	6	13	11	6.0	.0	.0
Sandusky	629	5	67	------	------	------	71.2	+2.4	98	27	80	54	17	62	28	----	----	----	6.19	+2.7	12	7.6	sw.	35	w.	28	10	7	13	5.6	.0	.0
Toledo [2]	628	79	87	29.29	29.96	−.01	70.6	+1.9	95	27	79	54	5	62	27	63	60	74	3.08	−.2	14	8.6	e.	32	w.	7	14	12	4	4.0	.0	.0
Fort Wayne [1]	857	69	84	29.05	29.96	------	70.0	+2.6	96	27	80	50	17	59	32	63	60	74	3.98	+.4	9	6.8	sw.	34	w.	28	6	13	11	5.8	.0	.0
Detroit [1]	730	5	78	29.20	29.97	.00	70.0	+2.6	95	30	80	43	10	60	29	61	56	66	2.94	−.6	12	8.4	ne.	29	sw.	7	10	7	13	5.7	.0	.0
Upper Lake Region							**65.8**	**+3.2**										**70**	**2.55**	**−0.8**										**5.9**		
Alpena	609	5	89	29.31	29.97	+.01	65.4	+5.0	94	21	75	42	9	56	33	58	52	64	.97	−2.3	7	8.9	nw.	24	nw.	8	10	10	10	5.6	.0	.0
Escanaba	612	51	72	29.31	29.96	+.02	63.4	+2.7	88	21	72	39	9	55	31	58	55	75	1.85	−1.4	8	10.4	s.	34	n.	14	4	13	13	6.2	.0	.0
Grand Rapids [2]	707	70	244	29.19	29.94	−.03	70.8	+3.0	95	27	81	47	10	60	29	61	57	69	2.72	−.8	9	9.6	sw.	31	sw.	27	11	9	10	5.3	.0	.0
Lansing [2]	878	5	90	29.04	29.97	------	68.1	+1.7	91	30	78	44	10	58	29	61	57	69	3.70	+.2	11	6.8	s.	21	s.	7	9	12	9	5.5	.0	.0
Marquette	734	44	73	29.17	29.97	+.03	61.4	+2.5	98	26	70	36	10	52	40	56	51	71	3.07	−.2	7	7.0	nw.	22	nw.	20	8	8	14	6.3	.0	.0
Sault Sainte Marie [2]	614	11	52	29.30	29.97	+.01	64.8	+6.2	92	26	77	36	9	53	36	56	51	68	1.18	−1.7	8	6.0	w.	22	nw.	8	6	12	12	6.4	.0	.0
Chicago	673	7	131	29.23	29.95	−.01	69.4	+2.1	94	27	77	51	8	62	26	61	57	71	3.43	+.1	8	9.4	ne.	26	sw.	7	8	10	12	5.9	.0	.0
Green Bay	617	109	141	29.29	29.95	.00	68.0	+3.1	93	26	77	44	9	59	29	60	54	64	1.47	−2.2	6	10.1	s.	28	nw.	30	7	7	16	6.3	.0	.0
Milwaukee [1]	681	53	66	29.22	29.95	.00	66.6	+2.7	94	26	76	46	8	57	30	60	56	72	3.42	.0	9	10.1	sw.	35	sw.	7	8	9	13	6.0	.0	.0
Duluth	1,133	5	47	------	29.94	+.02	60.0	+2.8	90	26	70	36	8	50	----	----	----	78	3.67	−.2	13	10.9	ne.	32	sw.	26	8	8	14	----	.0	.0
North Dakota							**65.1**	**+2.0**										**74**	**5.46**	**+1.9**										**5.9**		
Moorhead, Minn. [2]	940	50	58	28.88	29.88	−.02	66.3	+1.9	92	25	76	42	8	57	29	61	58	77	5.45	+1.4	11	7.6	s.	22	s.	25	9	6	15	6.1	.0	.0
Bismarck [1]	1,677	4	41	28.14	29.90	+.03	66.0	+2.3	96	25	77	42	7	55	40	59	54	72	5.64	+2.3	9	12.0	se.	40	ne.	6	9	9	12	5.9	.0	.0
Devils Lake	1,478	11	44	28.36	29.91	+.03	64.4	+2.5	94	25	74	39	8	54	29	59	55	76	4.91	+1.4	16	8.3	s.	34	ne.	6	7	6	17	6.6	.0	.0
Lemmon, S. Dak.	2,602	4	38	27.22	29.90	------	63.7	------	95	25	75	40	7	53	31	57	53	----	5.67	------	12	----	se.	----	----	----	8	7	15	----	.0	.0
Grand Forks	832	11	71	29.01	29.90	------	64.8	+2.1	92	25	76	34	8	54	33	61	58	----	7.61	+4.3	11	----	sw.	----	----	----	9	7	14	----	.0	.0
Williston	1,878	42	50	27.94	29.89	+.03	63.8	+1.1	93	24	74	38	7	54	32	57	53	71	3.67	+.2	13	7.0	se.	44	nw.	1	913	7	10	5.0	.0	.0
Upper Mississippi Valley							**72.5**	**+2.0**										**72**	**3.80**	**−0.3**										**5.8**		
Minneapolis-St. Paul, Minn. [1]	919	32	61	28.93	29.90	−.02	69.1	+1.6	93	30	78	45	8	60	31	62	58	70	3.29	−.9	12	9.8	s.	28	s.	6	7	9	14	6.7	.0	.0
Springfield, Minn.	1,025	4	42	28.80	------	------	68.9	------	94	25	78	47	8	60	32	62	59	----	5.70	------	13	----	s.	----	----	----	11	5	14	----	.0	.0
La Crosse [2]	714	11	48	29.16	29.92	−.01	70.2	+1.9	93	26	80	46	16	61	35	63	60	76	5.28	+1.2	13	4.8	s.	17	w.	29	11	5	14	6.1	.0	.0
Madison [2]	974	70	78	28.92	29.95	+.01	68.4	+1.2	92	30	77	47	9	60	23	62	59	75	4.19	+.4	12	7.1	s.	19	sw.	7	7	7	16	6.3	.0	.0
Charles City	1,015	10	51	28.85	29.92	+.01	69.2	+2.7	94	30	79	46	15	60	31	63	59	74	4.06	−.6	13	6.2	se.	24	sw.	26	13	5	12	5.2	.0	.0
Davenport [2]	606	66	161	29.28	29.93	−.01	72.8	+2.3	96	21	82	50	9	64	31	64	60	72	7.08	+3.0	16	8.6	sw.	38	nw.	30	8	10	12	6.1	.0	.0
Des Moines [2]	860	5	99	28.98	29.89	−.03	71.6	+1.0	96	30	80	52	15	63	28	64	60	74	4.66	−.1	15	8.9	s.	26	se.	9	8	10	12	6.1	.0	.0
Dubuque	699	60	79	29.19	29.92	−.01	71.0	+1.6	97	30	80	50	9	62	28	63	60	72	4.42	+.1	18	5.8	s.	21	se.	30	10	4	16	6.2	.0	.0
Keokuk	614	64	78	29.27	29.91	−.03	73.8	+1.3	96	30	83	53	16	65	27	----	----	----	3.51	−.6	11	6.6	sw.	24	ne.	30	9	8	13	5.6	.0	.0
Cairo	358	87	93	29.57	29.94	−.03	77.6	+1.3	95	30	87	58	15	68	29	----	----	----	1.18	−2.6	9	6.7	sw.	27	sw.	13	6	15	9	5.4	.0	.0
Peoria [2]	609	11	45	29.28	29.93	−.02	73.4	+2.5	98	30	84	52	17	63	31	65	62	76	3.16	−.6	11	4.7	s.	24	nw.	30	10	11	9	4.6	.0	.0
Springfield, Ill. [2]	636	5	191	29.26	29.92	−.03	76.1	+3.9	98	30	86	56	16	66	30	66	62	72	2.25	−1.8	7	9.6	s.	38	nw.	9	7	13	10	6.1	.0	.0
St. Louis [5]	568	179	303	29.33	29.93	−.02	77.3	+2.3	97	30	86	57	16	68	24	66	61	61	2.52	−1.3	8	9.5	sw.	30	nw.	11	12	9	9	4.8	.0	.0
Missouri Valley							**72.0**	**+0.9**										**73**	**4.79**	**+0.4**										**5.8**		
Columbia, Mo. [2]	784	6	66	29.10	29.92	−.03	74.8	+2.0	95	25	85	51	16	65	30	67	63	73	4.36	−.4	10	6.0	s.	20	w.	9	11	10	9	5.4	.0	.0
Kansas City [1]	963	38	76	28.89	29.89	−.03	74.8	+1.2	97	30	84	56	13	66	27	66	62	68	6.79	+1.8	9	9.9	sw.	31	sw.	9	12	7	11	5.6	.0	.0
St. Joseph [2]	967	11	49	28.89	29.90	------	73.4	−.3	96	30	82	55	15	64	27	67	64	80	6.23	+1.3	12	7.9	s.	35	w.	9	9	8	13	5.7	.0	.0
Springfield, Mo. [1]	1,324	5	60	28.57	29.94	−.01	72.3	−.2	92	30	82	50	16	62	31	66	63	77	4.07	−.6	9	9.3	se.	30	se.	10	8	12	10	5.6	.0	.0
Topeka	987	65	87	28.86	29.89	−.04	74.6	+1.2	98	30	85	55	15	65	30	66	62	70	5.45	+.8	11	8.3	s.	21	e.	9	10	8	12	5.4	.0	.0
Lincoln [2]	1,189	11	81	28.63	29.86	−.04	72.6	+1.2	99	29	82	53	8	63	32	64	60	73	3.41	−1.1	12	9.8	s.	35	ne.	27	7	7	16	6.4	.0	.0
Omaha [1]	1,105	31	44	28.73	29.88	−.03	71.8	+.2	97	29	82	50	15	62	32	64	61	73	6.69	+2.1	12	10.5	se.	40	nw.	21	10	10	10	5.6	.0	.0
Valentine	2,598	46	54	27.21	29.89	+.03	67.3	+.4	97	18	78	45	10	57	33	59	55	71	3.58	+.7	12	10.5	s.	37	w.	27	10	8	12	5.7	.0	.0
Sioux City [1]	1,138	5	27	28.69	29.88	−.02	70.0	+.5	94	30	80	49	8	60	29	63	60	76	6.42	------	12	10.3	s.	35	e.	21	7	8	15	6.5	.0	.0
Huron [1]	1,301	26	41	28.50	29.86	−.02	68.9	+2.7	97	20	80	46	7	58	34	61	56	68	2.50	−1.3	13	13.5	s.	40	e.	9	11	9	10	5.6	.0	.0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS—*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, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max.+mean min.÷2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch, or more	Wind: Average hourly velocity	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Northern Slope							63.6	+1.7										63	2.82	+0.5										6.1		
Billings [1]	3,570	18	39	26.27	29.86	-----	64.5	-----	100	23	76	41	7	53	36	54	46	60	3.09	-----	10	10.8	ne.	42	n.	17	7	10	13	6.3	0.0	0.0
Havre	2,507	11	67	27.30	29.89	+.04	64.8	+2.8	105	23	77	44	6	53	40	54	46	61	2.72	-.1	13	8.3	e.	37	w.	18	9	8	13	5.9	.0	.0
Helena [1]	4,124	5	35	25.77	29.91	+.03	61.6	+2.4	98	23	74	37	2	49	44	52	45	64	2.86	+.5	18	8.7	w.	40	sw.	19	4	10	16	6.7	.0	.0
Missoula [2]	3,263	80	91	26.60	29.93	-----	62.8	+2.8	99	22	75	43	2	50	43	52	47	69	3.10	+1.2	16	6.5	nw.	31	e.	6	6	8	16	6.8	.0	.0
Kalispell	2,973	48	56	26.90	29.90	+.01	60.8	+3.1	94	22	72	40	2	49	41	51	44	50	1.51	-.6	12	5.8	w.	25	sw.	24	2	12	16	7.0	.0	.0
Miles City [2]	2,371	48	55	27.43	29.88	+.03	66.8	+.8	100	24	77	47	9	56	35	57	52	69	2.70	.0	13	7.3	se.	31	nw.	17	6	8	16	6.5	.0	.0
Rapid City [2]	3,259	50	58	26.58	29.89	+.04	65.0	+.8	95	18	75	42	8	55	34	56	52	72	5.10	+1.8	12	8.5	n.	27	nw.	10	13	10	7	5.0	.0	.0
Cheyenne [1]	6,094	5	39	24.02	29.89	+.05	59.3	-1.1	85	18	72	37	9	47	34	50	44	65	4.66	+3.2	14	10.0	nw.	35	n.	11	2	16	12	6.5	.0	.0
Lander	5,352	60	68	24.65	29.87	+.02	61.9	+1.4	93	23	75	37	6	48	37	50	42	55	1.84	+.7	9	5.9	sw.	35	sw.	28	10	14	6	4.9	.0	.0
Sheridan [6]	3,790	6	42	26.06	29.86	-----	63.8	+2.3	96	24	77	40	13	51	41	53	46	61	1.37	-.7	11	11.4	nw.	38	nw.	19	6	15	9	6.2	.0	.0
North Platte [2]	2,821	11	51	27.00	29.86	.00	69.0	+1.5	93	21	80	47	14	58	31	60	56	71	2.30	-.9	9	8.6	s.	30	n.	11	11	11	8	4.8	.0	.0
Middle Slope							70.9	-1.0										67	5.22	+2.1										5.4		
Denver [1]	5,292	106	113	24.73	29.87	+.03	65.6	-0.7	92	19	76	45	10	55	32	52	44	59	1.61	+.2	13	6.7	s.	29	n.	11	11	11	8	5.0	.0	.0
Pueblo [1]	4,630	5	36	25.26	29.86	+.03	67.0	-2.0	97	19	81	45	13	53	43	54	46	58	2.83	+1.5	12	8.0	w.	37	w.	18	7	17	6	4.9	.0	.0
Concordia	1,392	50	58	28.44	29.88	-.02	73.7	+.7	103	30	83	52	15	64	33	64	60	69	6.50	+2.1	14	8.3	s.	28	nw.	12	11	8	11	5.5	.0	.0
Dodge City	2,509	10	86	27.33	29.87	.00	70.6	-1.9	98	30	81	50	13	60	32	63	58	71	7.34	+4.0	9	11.8	s.	38	ne.	22	7	15	8	5.8	.0	.0
Wichita [1]	1,358	6	64	28.50	29.90	-.01	72.7	-1.7	96	30	83	52	13	62	29	65	62	75	7.05	+2.7	10	13.4	s.	50	n.	27	9	12	9	5.6	.0	.0
Oklahoma City [2]	1,214	10	47	28.66	29.92	+.01	75.6	-.4	95	30	85	59	12	66	26	67	63	71	5.99	+2.3	9	8.4	s.	21	s.	9	9	10	11	5.5	.0	.0
Southern Slope							75.7	-2.2										68	3.34	-0.2										5.4		
Abilene [2]	1,738	10	56	28.13	29.89	+.01	77.8	-1.4	94	30	88	58	4	67	31	68	65	74	6.66	+3.7	11	9.5	s.	30	se.	5	8	18	4	4.9	.0	.0
Amarillo [2]	3,676	10	49	26.25	29.87	+.02	70.4	-2.4	94	30	82	51	12	59	34	62	58	74	5.07	-2.2	12	13.2	s.	52	w.	29	9	15	6	4.9	.0	.0
Del Rio	960	63	71	28.88	29.84	-.01	81.8	-1.6	97	10	90	65	10	73	32	72	68	67	.80	-1.6	5	10.5	se.	28	ne.	3	1	16	13	7.3	.0	.0
Roswell	3,566	75	85	26.34	29.86	+.06	72.8	-3.5	95	30	85	52	12	60	33	60	52	57	.85	-.8	6	7.8	s.	27	w.	15	10	16	4	4.5	.0	.0
Southern Plateau							76.9	-1.8										37	0.22	0.0										2.5		
El Paso	3,778	82	101	26.12	29.79	+.04	78.6	-1.0	102	18	91	58	10	66	34	58	45	40	.18	-.4	6	8.5	e.	29	e.	19	15	14	1	3.1	.0	.0
Albuquerque [1]	4,972	5	34	25.04	29.82	-----	70.2	-2.4	94	18	84	49	12	57	35	53	41	45	.90	+.4	6	8.5	sw.	37	n.	11	11	10	9	5.0	.0	.0
Flagstaff	6,907	10	59	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Phoenix [2]	1,107	39	87	28.64	29.76	+.02	82.8	-1.7	108	23	98	60	9	67	39	58	39	28	T	-.1	0	5.7	w.	28	nw.	9	23	6	1	2.0	.0	.0
Yuma	142	9	54	29.63	29.77	+.03	82.6	-2.1	108	18	100	59	8	66	40	62	47	36	.00	.0	0	5.6	w.	22	w.	7	29	1	0	.7	.0	.0
Independence	3,957	5	26	25.88	29.84	+.06	70.3	-2.0	93	17	85	45	27	56	40	51	32	---	T	-.1	0	7.0	n.	-----	-----	-----	17	12	1	1.8	.0	.0
Middle Plateau							64.4	-1.1										49	0.86	+0.4										4.4		
Reno [2]	4,517	61	76	25.44	29.92	+.06	61.8	-.6	87	12	76	37	25	48	38	48	38	54	.48	+.2	6	6.6	w.	28	w.	18	13	13	4	4.1	.0	.0
Tonopah	6,090	12	20	24.02	29.85	-----	62.7	-----	82	13	75	36	8	51	33	46	35	---	.12	-----	3	-----	nw.	-----	-----	-----	-----	-----	-----	-----	.0	.0
Winnemucca	4,339	5	56	25.58	29.88	.00	62.8	.0	93	22	78	37	25	48	46	49	37	49	1.02	+.4	6	7.4	sw.	29	e.	26	6	11	13	6.1	.0	.0
Modena	5,473	10	46	-----	-----	-----	60.6	-2.7	87	23	78	34	9	44	45	-----	-----	---	.45	+.1	5	10.7	sw.	34	sw.	24	16	11	3	3.2	.0	.0
Salt Lake City	4,357	86	210	25.55	29.84	-.01	67.4	.0	95	22	79	44	9	56	35	52	42	50	1.55	+.8	7	7.6	s.	31	se.	24	15	6	9	4.3	.0	.0
Grand Junction	4,602	60	68	25.34	29.86	+.03	69.2	-2.2	95	22	82	42	9	56	35	52	39	43	.78	+.4	5	7.2	se.	25	s.	24	11	12	7	4.5	.0	.0
Northern Plateau							64.9	-0.4										51	1.93	+0.9										6.4		
Baker [2]	3,471	36	54	26.42	29.96	+.01	-----	-----	90	22	70	36	1	46	42	50	46	74	-----	-----	15	5.5	n.	25	sw.	14	6	8	16	6.6	.0	.0
Boise [1]	2,739	5	49	27.09	29.89	-.02	62.9	-----	99	22	75	40	1	50	38	53	45	60	3.41	-----	11	10.0	nw.	33	s.	27	8	11	11	6.2	.0	.0
Pocatello [1]	4,478	5	31	25.43	29.88	+.01	61.4	-----	95	23	76	38	2	47	44	50	41	57	.93	-----	7	9.0	sw.	33	w.	24	9	5	16	6.1	.0	.0
Spokane [1]	1,929	27	42	27.92	29.93	-.01	62.6	-.2	93	22	74	44	9	51	37	53	47	65	2.55	+1.3	13	6.8	s.	29	sw.	12	3	12	15	7.1	.0	.0
Walla Walla	991	57	65	28.88	29.94	-.02	65.8	-.7	95	12	76	47	7	55	33	-----	-----	---	3.04	+1.9	13	5.8	s.	20	se.	12	5	9	16	7.0	.0	.0
Yakima	1,076	58	67	28.80	29.94	-----	66.2	-.2	94	11	78	43	20	54	37	53	43	48	.21	-.4	3	7.1	nw.	21	nw.	28	11	8	11	5.7	.0	.0
North Pacific Coast Region							60.7	+1.4										75	1.93	+0.3										7.2		
North Head	211	5	56	29.82	30.04	+.05	58.1	+3.3	69	11	63	49	2	53	15	54	52	81	2.39	+.1	15	11.9	n.	36	s.	17	4	9	17	7.4	.0	.0
Seattle [2]	125	90	321	29.89	30.02	+.02	62.2	+3.2	90	11	70	49	8	54	31	55	50	73	.98	-.4	11	8.1	s.	34	sw.	22	4	10	16	7.1	.0	.0
Tacoma	194	172	201	29.83	30.03	.00	61.0	+2.3	84	11	69	49	4	53	27	-----	-----	---	1.89	+.4	11	8.0	n.	26	sw.	6	5	7	18	6.9	.0	.0
Tatoosh Island	86	9	61	29.95	30.04	+.02	55.5	+2.5	67	11	60	48	19	51	15	53	51	87	2.92	-.3	11	8.6	w.	33	e.	21	1	10	19	7.8	.0	.0
Medford [1]	1,329	29	58	28.60	30.00	-----	62.8	-2.4	102	11	75	44	9	50	48	54	47	65	1.69	+1.0	10	-----	nw.	-----	-----	-----	5	8	17	7.0	.0	.0
Portland, Oreg. [2]	154	68	106	29.86	30.02	-.02	63.2	+.8	98	11	72	50	14	55	36	56	51	72	1.05	-.5	12	5.3	nw.	19	s.	19	4	6	20	7.4	.0	.0
Roseburg	510	45	76	29.48	30.03	.00	62.3	-.2	97	11	73	43	2	51	41	55	50	70	2.59	+1.5	12	4.4	n.	18	sw.	6	4	9	17	6.9	.0	.0
Middle Pacific Coast Region							65.0	+0.6										66	0.70	+0.2										5.1		
Eureka	60	2	88	30.00	30.07	+.02	58.4	+4.1	70	23	63	49	15	53	19	55	52	82	1.52	+.8	10	8.4	n.	23	s.	23	1	16	13	6.7	.0	.0
Redding [1]	722	20	34	29.14	29.91	-----	71.4	-3.7	103	11	82	53	24	60	30	57	45	45	1.26	+.4	5	9.3	nw.	33	nw.	6	9	8	13	5.6	.0	.0
Sacramento [2]	66	92	115	29.84	29.91	+.02	70.0	+.6	100	11	84	50	7	56	40	58	49	57	.02	-.1	1	7.9	sw.	22	sw.	6	16	11	3	3.4	.0	.0
San Francisco	155	112	132	29.80	29.96	.00	60.0	+1.5	77	10	66	51	14	54	22	55	52	79	.01	-.2	1	10.8	w.	31	w.	6	9	17	4	4.6	.0	.0

See footnotes at end of table.

CLIMATOLOGICAL DATA FOR WEATHER BUREAU STATIONS—*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, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max.+mean min.÷2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01 inch, or more	Wind: Average hourly velocity	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
South Pacific Coast Region							68.7	0.0										64	0.04	0.0										4.0		
Fresno [1]	327	5	35	29.55	29.89	+.04	73.8	−2.0	104	12	89	53	1	58	37	58	46	45	.12	.0	1	8.6	nw.	24	nw.	6	20	5	5	2.7	0.0	0.0
Los Angeles	338	223	250	29.58	29.94	+.04	66.0	−.4	80	21	75	54	17	57	24	59	55	72	T	−.1	0	6.1	w.	19	w.	26	15	10	5	4.2	.0	.0
San Diego [1]	87	20	55	29.86	29.95	+.03	66.4	+2.5	79	23	73	55	9	60	19	60	57	74	T	.0	0	7.5	sw.	19	s.	8	13	10	7	5.0	.0	.0
West Indies																																
San Juan, P. R.	82	10	54	29.96	30.05	------	80.0	+.3	89	11	84	71	21	76	13	----	----	---	5.65	+.4	16	11.3	e.	34	e.	20	2	20	8	6.3	.0	.0
Panama Canal																																
Balboa Heights	118	6	92	------	[3] 29.83	.00	82.2	+2.1	94	6	89	72	11	76	19	----	----	[3] 90	5.96	−2.3	17	5.3	nw.	22	s.	14	1	14	15	7.0	.0	.0
Cristobal	36	6	97	------	[3] 29.84	+.01	83.0	+2.6	92	12	88	76	18	78	15	78	77	[3] 85	11.55	−2.3	21	7.4	n.	21	w.	18	0	5	25	9.1	.0	.0
Alaska																																
Fairbanks	454	11	87	------	[4] 29.79	------	61.6	+3.5	82	22	75	34	1	48	----	----	----	58	1.20	−.2	10	6.3	sw.	31	sw.	26	6	13	11	----	.0	.0
Juneau	80	96	116	------	[4] 29.94	------	56.1	+1.8	79	1	62	45	21	50	----	----	----	74	5.24	+1.2	20	6.6	s.	24	se.	23	2	5	23	----	.0	.0
Nome	22	5	59	------	[4] 29.85	------	48.4	+3.0	71	16	56	29	2	41	----	----	----	79	.39	−.7	7	8.1	w.	24	se.	21	8	10	12	----	.0	.0
Hawaiian Islands																																
Honolulu	38	86	100	30.00	30.04	------	77.6	+1.0	85	3	82	69	1	73	15	70	66	70	.57	−.4	8	10.1	e.	26	e.	19	7	20	3	4.8	.0	.0
LATE REPORTS FOR MAY 1941																																
Moorhead, Minn. [2]	940	50	58	28.87	29.88	−0.06	59.6	+4.5	90	18	71	31	9	48	43	53	48	69	1.35	−1.5	7	9.7	s.	27	s.	5	7	9	15	6.7	0.0	0.0
Anchorage, Alaska	132	----	----	[4] 29.69	[4] 29.84	------	46.4	+1.4	64	29	54	34	15	39	26	42	38	73	.64	+.1	12	5.9	w.	20	se.	25	3	11	17	7.1	.0	.0
Fairbanks, Alaska	454	11	87	[4] 29.98	[4] 29.80	------	47.8	+.9	71	29	59	28	1	37	36	43	35	62	1.39	+.8	11	6.5	sw.	23	sw.	26	3	9	19	7.4	T	.0
Ketchikan, Alaska	20	----	----	[4] 29.90	[4] 29.93	------	50.2	+3.2	77	31	58	35	4	43	30	46	42	75	5.77	−2.6	19	6.5	se.	27	s.	15	8	4	19	6.8	.0	.0
CORRECTION FOR MAY 1941																																
Nome, Alaska	22	5	59	[4] 29.79	[4] 29.81	------	36.0	+1.9	56	15	43	22	22	29	26	34	30	76	0.23	−0.4	6	8.6	e.	31	s.	29	4	8	19	7.6	0.3	0.0

[1] Data are airport records.
[2] Barometric and hydrometric data from airport, other data from city office records.
[3] Observations taken bihourly.
[4] Pressure not reduced to a mean of 24 hours.
[5] Barometric data from airport records, other data from city office records.
[6] Wind, and clear, partly cloudy, and cloudy data from city office records, other data from airport.

NOTE.—Except as indicated by notes 1, 2, 5, and 6, data in table are city office records.

SEVERE LOCAL STORMS, MAY 1941

[Compiled by MARY O. SOUDER]

[The table herewith contains such data as has been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the United States Meterological Yearbook]

Place	Date	Time	Width of path yards	Loss of life	Value of property destroyed	Character of storm	Remarks
Pastura, N. Mex.	1	8-9 p. m.			$1,000	Hail	Lambs killed.
Gallinas, N. Mex.	1	2 p. m.	440-880		500	Wind	Damage to fences and farm buildings.
Eagle Pass, Tex.	2	2-2:30 p. m.	[1] 1		54,000	Hail	$4,000 loss to crops, mostly onions; $50,000 damage to property.
Galveston, Tex.	3	5-6 a. m.			2,000	Wind	Property damaged.
Tecumseh, Okla.	4	5 p. m.	100	0	2,000	Tornado	Loss to crops, $1,000; property damage, $1,000; path 2 miles long.
Okemah, Okla.	4	8 p. m.	500	0	20,000	do	About 50 houses damaged, many trees uprooted, path 3 miles long.
Macomb, Okla., vicinity of	4		352	1	25,000	do	Small crop loss, several buildings destroyed, 3 persons injured, path 10 miles long.
Brownsville, Tex.	5	6:08-6:30 a. m.	50-67		600	Wind	Property damaged.
Port Arthur, Tex.	5	6:20-6:30 a. m.			1,000	do	Damage to signs and windows.
Lane and Ness Counties, Kans.	9	7:30 a. m.	[1] 2		20,000	Heavy hail	Hailstones covered the ground to a depth of 2 inches. Loss mostly in wheat, path 10 miles long.
Denver, Colo.	9	2:30 p. m.		0	1,500	Tornado	Bottom of funnel about 10 feet wide. House partly destroyed, light damage to small buildings and fences.
Hart and Halfway, Tex.	9	4:30-6 p. m.	[1] 3	2	35,000	Hail and wind	Loss to crops, $25,000, mostly to wheat; $10,000 property damage; 14 persons injured.
Hale County, Tex.	9	6-7 p. m.	[1] 1		15,000	Hail	Principal loss in wheat.
Abilene, Tex.	9	9 p. m.			2,000	Wind	Property damaged, some loss to wheat and oats.
Alamedo, N. Mex.	10	5:30 p. m.	[1] 3		1,500	Heavy hail	Damage to roofs and car tops, loss to crops.
Fort Lupton, Colo.	10	7 p. m.	[1] 2-3		5,000	do	Loss in winter wheat.
Progresso, N. Mex.	11	3-4:30 p. m.	[1] 5		2,000	Hail	Damage to houses and farm buildings.
Fort Collins, Colo.	11	7:05 p. m.	[1] 3-5		20,000	Heavy hail	Loss in winter wheat.
Portales, N. Mex.	11	5-6 p. m.	[1] 5		1,000	Hail	Loss in truck crops and fruit, lambs killed.
Dewey County, Okla.	12	2 p. m.	[1] 2		10,000	do	Loss in barley and wheat.
Ancho, N. Mex.	12	6 p. m.	[1] 6		2,000	Heavy hail	Property damaged.
Crookston, Minn., and vicinity.	13	6-11 p. m.			63,000	River and flood	New seedings washed out, highways and roadways inundated, lowlands flooded with loss to growing crops.

[1] Miles instead of yards.