CLIMATOLOGICAL TABLES

CONDENSED CLIMATOLOGICAL SUMMARY

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.

Condensed climatological summary of temperature and precipitation by sections, January 1935

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	48.8	+2.4	5 stations	81	20	Madison	7	24	2.51	−2.37	Decatur	6.38	Robertsdale	0.89
Arizona	45.3	+1.1	Casa Grande Ruins	89	29	Fort Valley	−17	21	1.81	+.68	Bright Angel, R. S.	5.49	Gila Bend	.03
Arkansas	43.6	+2.2	Camden	86	16	Deer	−11	21	5.79	+1.50	Helena	12.51	Gravette	2.48
California	43.7	−1.1	Tustin (near)	89	31	Soda Springs	−21	19	5.37	+.54	Inskip	14.78	Greenland Ranch	.27
Colorado	30.1	+6.1	Holly	75	26	Fraser	−40	21	.78	+.02	Cumbres	5.24	2 stations	.00
Florida	60.4	+1.2	Clermont	89	18	Cottage Hill	17	23	1.40	−1.33	West Palm Beach	6.66	Everglades	.00
Georgia	49.0	+1.8	Alapaha	84	20	3 stations	13	24	2.97	−1.15	Flat Top	7.85	Midville	.92
Idaho	25.2	+1.2	Glenns Ferry	62	[1] 28	Alpha	−41	20	1.98	−.11	Roland	9.85	Salmon	.10
Illinois	29.2	+2.6	Cairo	67	16	Freeport	−16	[1] 23	2.44	+.15	Cairo	4.74	Clinton	.97
Indiana	31.2	+2.1	2 stations	65	16	Valparaiso	−10	24	2.79	−.30	Madison	5.13	La Porte	1.39
Iowa	20.6	+1.9	Keokuk	58	2	2 stations	−30	23	1.16	+.09	Decorah	2.49	Logan	.08
Kansas	35.0	+5.1	Richfield	74	26	St. Francis	−19	21	.61	−.05	Coffeyville	1.53	Smith Center	.00
Kentucky	37.3	+1.4	2 stations	71	7	2 stations	−2	24	5.28	+.92	Bowling Green	9.92	Carrollton	2.79
Louisiana	54.2	+2.6	Donaldsonville	86	20	St. Joseph	5	23	3.53	−1.31	Calhoun	6.88	Port Eads	.21
Maryland-Delaware	31.4	−1.5	Princess Anne, Md.	71	9	Bell, Md	−23	28	4.74	+1.51	Milford, Del	7.59	Chewsville, Md	2.89
Michigan	20.4	+.4	2 stations	49	[1] 7	Sidnaw	−40	23	1.98	+.10	Deer Park	5.03	Howard City	.75
Minnesota	5.1	−4.6	Pipestone	53	2	Pine River Dam	−51	23	1.22	+.47	Pigeon River Bridge	3.42	Artichoke Lake	.26
Mississippi	48.6	+1.2	Greenville	86	20	2 stations	4	[1] 24	4.76	−.26	Hernando	15.20	Biloxi	.43
Missouri	33.0	+2.1	Garber	71	16	Conception	−12	21	2.42	+.20	Bragg City	7.00	Edgerton	.50
Montana	17.7	−2.1	Sun River Canyon	67	25	Upper Yaak River	−48	20	.87	−.01	Heron	7.44	2 stations	.02
Nebraska	27.1	+4.6	McCook	72	5	Gordon	−33	21	.20	−.35	Hartington	.99	4 stations	.00
Nevada	32.8	+3.3	Logandale	79	31	Canyon Creek Ranch.	−22	21	1.09	−.09	Marlette Lake	4.27	Montello	.30
New England	17.5	−5.1	Plymouth, Mass	62	9	Pittsburg, N. H.	−44	31	5.89	+2.45	Portland, Maine	12.29	Burlington, Vt	2.80
New Jersey	28.2	−2.7	Indian Mills	65	8	Runyon	−26	28	4.00	+.43	Hammonton	5.98	Boonton	2.37
New Mexico	37.5	+3.7	San Marcial	78	28	Selsor Ranch	−35	21	.85	+.29	Jewett Ranger Station.	3.63	9 stations	.00
New York	19.8	−3.4	Angelica	67	7	2 stations	−42	27	3.67	+.75	Greenfield Center	6.95	Dansville	1.31
North Carolina	41.8	+.2	Goldsboro	80	22	do	−1	24	4.15	+.50	Mount Mitchell	8.85	Mount Gilead	1.04
North Dakota	3.3	−3.3	Mott	60	30	Sanish	−44	23	.41	−.06	Howard	1.10	Ashley	T
Ohio	29.9	+1.4	Gallipolis (near)	74	8	2 stations	−10	28	2.62	−.40	Ironton	5.27	Mt. Vernon (near)	1.41
Oklahoma	42.9	+4.5	3 stations	80	[1] 16	Boise City	−7	21	1.31	−.15	Idabel	6.40	Hollis	T
Oregon	31.8	−.1	Sundown Ranch	73	31	2 stations	−37	20	3.13	−.68	Seaside	15.15	Umatilla	.13
Pennsylvania	27.5	−.4	Donora	72	21	Hawley	−23	28	3.08	−.17	Johnstown	5.08	Bloserville	1.00
South Carolina	46.3	+.4	3 stations	80	[1] 21	3 stations	10	28	2.68	−.88	Caesars Head	8.60	Orangeburg	.62
South Dakota	17.5	+1.3	Hot Springs	67	29	McIntosh	−34	23	.24	−.31	Menno	.78	7 stations	T
Tennessee	40.9	+1.6	Milan	76	13	3 stations	0	24	5.84	+1.12	Bolivar	15.75	Kingston	2.06
Texas	52.2	+4.0	Hebbronville	94	17	Booker	−6	20	1.49	−.33	Clarksville	7.17	9 stations	.00
Utah	30.0	+4.7	2 stations	70	[1] 29	Thistle	−29	21	.73	−.46	Silver Lake	4.14	Manila	.00
Virginia	35.6	−1.0	Diamond Springs	78	[1] 21	Mineral	−16	28	4.78	+1.61	Floyd	7.91	Langley Field	2.53
Washington	31.8	+2.1	3 stations	72	31	3 stations	−35	20	7.58	+2.60	Quinault	50.39	Mottinger	.11
West Virginia	33.3	+.6	Ravenswood	74	9	McNeill	−23	25	4.48	+.86	Alpena	7.68	Marlinton	1.82
Wisconsin	12.5	−2.7	Fond du Lac	48	6	Grantsburg	−50	23	1.89	+.70	Rhinelander	3.48	Plymouth	.63
Wyoming	24.0	+3.8	Pine Bluffs	68	27	West Yellowstone	−46	20	.36	−.42	Snake River	2.94	3 stations	.00
Alaska (December)	14.2	+6.7	Sitka	64	8	Allakaket	−52	31	3.48	+1.02	Cordova	30.92	Shishmaref	.17
Hawaii	68.8	+.5	Pahala	92	23	Kanalohuluhulu	39	29	8.02	−1.32	Puhonua	28.70	Pahuamimi	1.08
Puerto Rico	71.9	−.8	San German	91	14	Guineo Reservoir	40	27	3.37	−.21	La Mina	9.43	Sabana Grande	.00

[1] Other dates also

TABLE I.—*Climatological data for Weather Bureau stations, January 1935*

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, or more	Wind: Total movement	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							20.8	−3.7										76	6.05	+2.6										6.0		
Eastport	76	67	85	29.98	30.07	+0.07	16.6	−3.8	47	10	26	−14	28	8	49	15	12	86	7.32	+3.4	15	10,545	nw.	40	ne.	24	11	2	18	6.5	33.4	16.5
Greenville, Maine	1,070	6	40	28.86	30.10	------	7.4	------	48	8	17	−22	27	−2	36	----	----	----	6.86	------	15	7,332	nw.	31	------	4	12	3	16	----	57.5	----
Portland, Maine	103	82	117	29.99	30.12	+.07	17.9	−4.5	46	8	25	−11	28	10	30	15	10	75	12.29	+8.3	15	7,009	n.	30	ne.	24	15	4	12	4.9	59.0	27.0
Concord	289	60	----	------	------	------	17.2	−4.4	54	8	27	−15	28	7	----	----	----	----	5.87	+2.9	13	------	nw.	----	------	----	11	2	18	----	46.7	----
Burlington	403	11	48	29.68	30.16	+.11	12.1	−6.7	48	7	22	−22	31	2	34	----	----	----	2.80	+1.0	17	9,236	s.	40	s.	5	6	10	15	6.6	17.6	3.7
Northfield	876	12	60	29.15	30.15	+.10	9.6	−5.6	52	7	22	−32	31	−3	49	9	6	86	3.94	+1.6	17	6,193	n.	28	sw.	3	7	7	17	6.6	29.5	11.4
Boston	124	336	360	29.98	30.13	+.08	23.2	−4.7	56	9	32	−5	27	15	32	21	14	69	6.13	+2.5	12	11,689	nw.	46	w.	2	12	4	15	5.7	26.7	12.9
Nantucket	12	14	90	30.09	30.10	+.06	29.6	−1.7	55	8	37	4	25	22	28	27	23	80	5.19	+1.4	13	11,957	nw.	55	ne.	23	7	8	16	6.4	7.0	5.0
Block Island	26	11	46	30.09	30.12	+.05	28.8	−2.2	53	9	36	4	28	22	27	27	24	83	6.14	+2.4	13	13,883	nw.	57	nw.	2	10	5	16	6.3	19.0	2.8
Providence	160	215	251	29.95	30.13	+.07	24.2	−3.0	53	6	32	−5	28	16	29	22	14	67	6.02	+2.3	13	9,404	nw.	49	nw.	4	13	6	12	4.9	24.4	12.3
Hartford	159	70	104	------	30.15	+.08	23.8	−1.7	55	9	31	−7	28	16	31	----	----	----	5.01	+1.1	13	6,729	nw.	----	------	----	13	4	14	----	20.3	9.0
New Haven	106	74	153	30.04	30.17	+.09	26.0	−2.2	52	7	34	−5	28	18	29	22	15	66	5.84	+1.9	13	6,942	n.	34	nw.	14	10	9	12	5.8	20.9	7.1
Middle Atlantic States							31.1	−1.1										73	3.80	+0.5										6.5		
Albany	97	107	115	30.07	30.18	+.11	19.6	−3.5	50	9	28	−12	28	11	32	18	13	74	4.10	+1.7	15	6,348	s.	23	w.	1	9	9	13	5.9	20.8	5.0
Binghamton	871	60	68	29.19	30.16	+.08	22.2	−1.9	54	10	31	−13	28	14	36	----	----	----	2.73	+.3	17	5,314	nw.	24	sw.	3	6	4	21	7.5	13.0	2.0
New York	314	415	454	29.81	30.17	+.07	29.2	−1.7	58	9	37	0	28	22	26	26	18	65	4.08	+.4	11	12,669	nw.	63	nw.	2	10	7	14	6.0	20.9	6.2
Bellefonte	1,050	5	42	29.02	30.17	------	24.2	------	50	10	32	−1	24	16	36	22	18	80	2.03	------	13	------	w.	----	------	----	7	5	19	7.0	7.2	.4
Harrisburg	374	94	104	29.77	30.20	+.10	28.2	−.8	54	10	35	−1	28	22	25	25	18	68	1.95	−1.1	11	6,050	nw.	28	nw.	14	9	7	15	6.3	15.1	2.2
Philadelphia	114	168	367	30.02	30.19	+.08	31.0	−1.6	61	8	38	3	28	24	25	27	20	65	4.21	+.9	12	9,649	n.	43	nw.	14	8	7	16	6.0	21.5	7.7
Reading	323	283	306	29.83	30.20	------	28.4	−1.0	55	9	36	−2	28	21	26	25	19	69	3.05	−.5	11	8,872	nw.	51	nw.	14	9	9	13	6.1	22.1	6.4
Scranton	805	72	104	29.28	30.18	+.09	24.8	−1.8	54	9	32	−7	28	17	29	23	18	78	2.03	−1.0	15	5,778	sw.	30	nw.	3	7	7	17	6.8	18.1	1.5
Atlantic City	52	37	172	30.12	30.18	+.07	32.3	−.2	58	10	40	1	28	25	29	29	24	74	5.04	+1.6	11	12,131	nw.	43	ne.	23	8	7	16	6.9	4.2	3.0
Sandy Hook	22	10	57	30.14	30.16	------	29.6	------	55	10	36	5	28	23	20	27	22	74	3.53	−.4	13	11,675	nw.	44	nw.	14	13	3	15	5.8	18.3	11.5
Trenton	190	88	106	29.97	30.19	------	29.0	−1.5	58	9	37	−2	28	21	28	26	20	71	3.27	.0	13	7,320	n.	38	nw.	14	10	6	15	6.1	15.5	4.3
Baltimore	123	100	215	30.05	30.19	+.07	33.2	−.6	62	10	40	2	28	26	25	29	23	68	4.79	+1.3	11	7,708	sw.	40	nw.	14	11	5	15	6.0	18.7	9.0
Washington	112	62	85	30.08	30.21	+.08	33.3	−.1	59	21	41	−2	28	26	25	29	22	69	5.27	+1.7	11	5,253	nw.	32	nw.	14	10	5	16	6.2	24.4	4.0
Cape Henry	18	8	54	30.16	30.18	------	39.4	−.8	75	21	46	16	27	33	30	36	32	78	2.64	−.6	8	10,853	n.	49	ne.	23	3	9	19	7.4	.4	.0
Lynchburg	686	5	----	29.44	30.21	+.08	36.2	−1.3	65	17	46	4	28	27	35	----	----	----	5.27	+1.8	13	------	sw.	----	------	----	7	17	7	----	2.6	.0
Norfolk	91	80	125	30.10	30.20	+.07	39.9	−.7	74	21	47	14	25	33	26	36	32	78	3.10	.0	8	8,203	n.	30	ne.	23	4	8	19	7.5	.6	.0
Richmond	144	11	52	30.06	30.22	+.08	36.1	−1.8	73	21	45	1	28	27	32	31	27	78	4.41	+1.2	9	6,326	ne.	27	n.	14	7	7	17	6.7	5.8	1.2
Wytheville	2,304	49	55	------	30.18	+.04	34.7	+1.7	68	21	42	2	24	27	31	----	----	76	5.05	+2.0	14	6,024	w.	31	nw.	1	9	8	14	----	1.4	.0
South Atlantic States							47.1	+1.5										74	2.79	−0.8										6.0		
Asheville	2,253	89	104	27.77	30.20	+.05	40.2	+4.8	66	21	49	10	24	31	32	35	30	72	4.68	+1.6	12	7,380	nw.	27	e.	22	6	10	15	6.8	.1	.0
Charlotte	779	63	86	29.33	30.19	+.04	41.9	+.7	73	21	50	11	28	34	32	36	30	65	1.68	−2.3	11	5,921	ne.	20	nw.	14	7	9	15	6.5	T	.0
Greensboro	886	6	56	29.22	30.20	------	37.6	------	67	21	47	3	28	29	28	33	29	77	1.77	------	10	6,487	ne.	28	ne.	22	6	7	18	7.2	.4	.0
Hatteras	11	5	50	30.15	30.16	+.02	46.8	−.3	69	9	52	24	24	41	18	45	43	89	3.84	−.6	12	11,667	n.	40	nw.	23	8	8	15	6.4	T	.0
Raleigh	376	103	146	29.77	30.19	+.06	41.0	−.1	73	21	50	8	28	32	31	37	32	76	2.40	−1.3	10	6,869	ne.	28	n.	23	7	6	18	6.9	.2	.0
Wilmington	72	73	107	30.10	30.18	+.04	47.6	+1.1	72	22	56	15	28	39	29	43	38	76	2.89	−.4	11	7,167	n.	32	s.	21	7	10	14	6.4	T	.0
Charleston	48	11	92	30.11	30.16	+.01	51.4	+1.5	74	13	59	21	28	44	24	46	41	73	2.27	−.8	9	8,864	ne.	30	ne.	4	10	9	12	5.8	T	.0
Columbia, S. C	351	41	57	29.79	30.18	+.03	47.0	+1.0	76	21	56	16	28	38	32	41	35	70	.77	−2.6	8	5,937	ne.	24	sw.	21	11	6	14	5.6	T	.0
Greenville, S. C	1,039	139	----	------	------	------	43.0	+2.7	69	10	52	18	28	34	30	----	----	----	3.47	−1.4	10	------	ne.	----	------	----	14	6	11	----	2.0	.0
Augusta	182	62	77	29.97	30.16	.00	48.4	+1.4	78	21	58	20	28	39	35	42	35	65	2.94	−1.0	8	4,902	ne.	21	s.	22	11	6	14	5.5	.5	.0
Savannah	65	73	152	30.08	30.15	.00	53.8	+2.4	79	17	63	26	28	44	33	46	42	74	2.98	+.2	10	8,556	ne.	31	w.	22	13	8	10	4.8	T	.0
Jacksonville	43	86	110	30.09	30.14	−.01	57.2	+1.8	81	17	66	31	24	48	33	50	47	79	2.77	.0	7	6,630	ne.	27	sw.	22	17	8	6	3.9	T	.0
Florida Peninsula							66.3	+0.9										78	0.87	−1.5										3.7		
Key West	22	10	64	30.06	30.08	−.02	69.7	+.2	81	1	74	53	24	65	16	63	61	78	1.91	.0	2	7,766	n.	28	nw.	23	17	11	3	3.4	.0	.0
Miami	25	124	168	30.07	30.10	−.03	66.8	+.3	80	9	75	38	24	59	28	60	57	76	.32	−2.2	6	7,898	nw.	27	w.	23	10	15	6	4.4	.0	.0
Tampa	35	88	197	30.08	30.12	.00	62.5	+2.1	83	20	72	36	25	53	27	55	52	79	.39	−2.3	6	8,622	n.	34	nw.	23	19	5	7	3.2	.0	.0
Titusville	43	5	36	30.06	30.11	------	61.4	------	82	1	73	32	24	50	34	----	----	----	1.25	------	5	------	nw.	----	------	----	12	14	5	----	.0	.0
East Gulf States							50.2	+2.1										73	2.44	−2.3										5.3		
Atlanta *	1,173	128	135	29.11	30.16	+.01	44.0	+1.4	73	21	52	16	24	36	31	39	34	74	1.93	−3.0	10	7,416	nw.	34	nw.	23	9	7	15	6.0	.4	.0
Macon	370	79	87	29.77	30.18	+.02	49.0	+2.2	76	21	59	21	29	39	37	41	34	66	1.12	−3.0	8	5,751	ne.	21	sw.	21	12	7	12	5.2	T	.0
Thomasville	273	49	58	29.87	30.17	+.01	53.4	+2.4	77	17	64	21	23	43	33	47	43	78	3.09	−1.0	8	------	ne.	----	------	----	14	2	15	----	.0	.0
Apalachicola	35	11	51	30.10	30.15	------	55.2	------	76	11	63	24	23	48	26	50	----	----	4.19	+.5	9	------	n.	----	------	----	14	10	7	----	.2	.0
Pensacola	56	149	185	30.10	30.16	+.02	54.0	+1.5	76	17	62	20	23	46	30	49	44	76	1.30	−2.7	5	9,325	ne.	38	s.	21	16	9	6	4.0	T	.0
Anniston	741	9	----	------	------	------	46.8	+4.6	72	16	57	14	24	37	34	----	----	----	3.49	−1.7	10	------	se.	----	------	----	9	10	12	----	.1	.0
Birmingham	700	11	48	29.39	30.18	+.02	46.4	+1.3	76	16	56	15	24	37	41	41	36	71	1.98	−3.5	10	5,790	n.	25	se.	19	11	5	15	6.1	.5	.0
Mobile	57	125	161	30.10	30.16	+.01	52.7	+1.2	74	17	62	19	22	44	31	47	43	77	2.01	−2.8	6	7,545	n.	32	nw.	21	14	6	11	4.9	T	.0
Montgomery	218	92	105	29.92	30.18	+.02	50.0	+1.8	79	20	60	18	23	41	35	44	38	70	1.67	−3.5	7	5,833	n.	21	se.	21	11	5	15	5.6	.6	.0
Meridian	375	67	92	29.77	30.18	+.02	48.8	+1.8	80	20	60	15	22	38	51	42	38	75	3.14	−2.2	6	5,201	ne.	22	s.	20	12	6	13	5.1	4.1	.0
Vicksburg	247	65	73	29.91	30.18	+.03	50.7	+2.5	80	20	60	15	22	41	41	45	40	73	2.38	−3.0	7	6,098	n.	25	se.	7	9	6	16	6.0	6.0	.0
New Orleans	53	76	84	30.11	30.17	+.04	56.9	+2.7	81	20	66	24	22	48	40	50	46	73	2.93	−1.4	4	5,365	ne.	23	nw.	21	13	8	10	4.7	.1	.0
West Gulf States							52.7	+4.4										75	2.69	−0.1										5.4		
Shreveport	249	92	227	29.90	30.18	+.04	50.8	+3.8	79	10	60	15	22	42	36	45	40	72	5.50	+1.6	7	8,319	ne.	31	nw.	20	14	7	10	4.9	.1	.0
Bentonville	1,303	11	44	28.07	30.15	+.01	39.3	+5.2	69	16	49	−1	21	29	40	----	----	----	2.50	------	6	5,154	n.	19	s.	16	5	12	14	----	.2	.0
Fort Smith	457	79	94	29.67	30.16	+.02	42.5	+3.0	75	16	51	6	21	34	36	37	32	71	2.63	+.1	4	6,492	e.	28	sw.	16	7	14	10	5.6	T	.0
Little Rock	357	94	102	29.80	30.19	+.04	43.4	+2.0	72	16	52	10	22	35	32	39	34	71	6.35	+1.6	6	6,358	e.	28	nw.	21	8	10	13	6.1	.8	.0
Austin	605	136	148	29.49	30.13	------	54.7	+5.2	82	10	65	18	21	44	37	48	44	72	1.61	−.5	6	5,749	s.	32	n.	21	11	5	15	5.8	.0	.0
Brownsville	57	88	96	30.02	30.08	------	65.7	+5.9	81	20	74	25	22	58	40	59	57	81	.90	−.6	4	8,535	se.	41	nw.	21	11	13	7	5.0	.0	.0
Corpus Christi	20	11	78	30.10	30.12	+.02	61.5	+5.5	81	7	68	26	22	55	29	56	54	82	1.87	+.3	4	7,964	s.	32	n.	21	11	10	10	5.3	.0	.0
Dallas	512	220	227	29.59	30.15	------	49.2	------	80	16	59	8	21	40	45	43	38	70	3.33	+.9	4	8,296	s.	36	nw.	21	11	9	11	6.0	T	.0
Fort Worth	679	92	110	29.42	30.15	+.03	49.7	+4.3	81	16	60	7	21	40	43	----	----	----	3.70	+1.6	5	6,647	n.	39	n.	21	13	7	11	5.0	T	.0
Galveston	54	106	114	30.09	30.15	+.02	57.6	+3.8	75	17	63	19	22	52	35	54	51	85	2.83	−.6	5	7,678	s.	32	nw.	21	12	9	10	5.2	T	.0
Houston	138	292	314	30.01	30.16	------	57.6	+4.9	79	17	66	17	22	49	31	----	----	----	1.64	−2.1	7	8,130	s	35	nw.	20	9	10	12	5.4	.0	.0
Palestine	510	64	72	29.62	30.16	+.04	52.2	+4.0	80	16	62	12	22	44	47	47	42	71	2.22	−1.2	3	6,096	s.	25	sw.	16	12	4	15	5.4	T	.0
Port Arthur	34	58	66	30.10	30.14	------	56.9	------	76	10	65	18	22	49	36	----	----	----	2.13	−1.6	5	6,527	s.	30	nw.	21	8	19	4	5.0	T	.0
San Antonio	693	242	301	29.38	30.11	+.01	57.0	+4.7	82	16	66	18	21	47	32	51	46	71	.31	−1.2	5	7,801	e.	36	nw.	21	7	11	13	6.1	.0	.0

* Observations taken at airport.

TABLE 1.—*Climatological data for Weather Bureau stations, January 1935*—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: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: 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, or more	Wind: Total movement	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							36.4	+2.3										75	3.71	-0.1										6.3		
Chattanooga	762	71	214	29.36	30.19	+0.03	44.1	+2.9	67	10	52	14	24	36	25	38	32	66	2.54	-2.7	11	6,291	ne.	28	se.	19	9	8	14	6.3	2.8	0.0
Knoxville	995	66	84	29.10	30.19	+.04	41.4	+2.6	68	7	49	10	24	34	31	37	32	74	3.48	-1.2	12	4,572	ne.	21	w.	17	11	6	14	5.7	7.1	T
Memphis	399	78	86	29.75	30.19	+.03	43.2	+2.3	71	16	51	11	24	35	31	39	36	77	8.74	+3.9	6	6,363	n.	26	n.	17	14	4	13	5.4	3.2	.0
Nashville	546	168	191	29.62	30.22	+.06	40.6	+2.0	69	21	49	7	24	32	57	36	32	75	6.96	+2.2	10	7,360	nw.	32	s.	21	4	12	15	6.6	6.7	T
Lexington	989	5																														
Louisville	525	188	234	29.62	30.23	+.09	36.2	+1.8	62	16	44	5	24	28	45	33	28	75	3.37	-.6	8	8,290	s.	37	W.	21	12	5	14	6.1	2.1	.0
Evansville	431	76	116	29.73	30.21	+.07	37.0	+3.5	65	16	45	4	24	29	45	33	28	76	3.35	-.4	10	7,397	s.	31	w.	17	10	6	15	5.9	1.4	.0
Indianapolis	822	194	230	29.29	30.20	+.08	32.0	+3.6	62	16	41	2	24	24	43	28	23	72	2.33	-.6	9	8,898	s.	37	nw.	17	7	7	17	6.6	1.1	.0
Terre Haute	575	96	129	29.56	30.20		32.8		63	16	41	0	24	24	45	29	25	77	2.51	-.2	8	7,573	s.	38	w.	16	10	6	15	6.1	.3	.0
Cincinnati	627	11	51	29.51	30.22	+.10	33.4	+3.1	60	17	42	4	24	25	42	30	26	79	2.86	-.6	9	6,566	s.	33	w.	17	12	3	16	6.2	7.9	T
Columbus	822	216	230	29.29	30.20	+.09	31.2	+2.6	59	8	39	3	24	23	37	28	24	75	1.50	-1.6	10	9,231	se.	38	w.	17	6	7	18	6.8	2.6	T
Elkins	1,947	59	78	28.09	30.24	+.12	31.6	+1.2	69	21	42	-10	28	21	51	28	24	78	5.42	+1.6	16	5,745	w.	28	w.	17	7	5	19	6.9	6.6	1.3
Parkersburg	637	77	84	29.56	30.24	+.12	33.4	+.9	68	21	43	-4	28	24	41	30	26	78	2.71	-.9	12	5,519	se.	28	nw.	14	8	5	18	6.3	6.8	.2
Pittsburgh	842	353	410	29.26	30.19	+.08	32.1	+1.4	70	21	40	4	24	24	41	29	25	74	2.41	-.6	13	8,477	nw.	38	sw.	21	6	5	20	7.4	5.6	T
Lower Lake region							23.7	-0.7										77	2.62	0.0										7.6		
Buffalo	768	243	280	29.28	30.15	+.08	23.8	-.8	54	7	31	-3	24	17	27	22	19	81	2.81	-.5	22	13,498	w.	61	sw.	17	3	6	22	7.9	12.0	2.5
Canton	448	10	61	29.64	30.15		11.0	-5.3	49	7	22	-30	27	0	40				3.24	+.7	19	7,184	sw.	30	w.	18	8	8	15	6.4	15.9	3.7
Ithaca	836	77	100	29.21	30.16		22.1	-2.2	53	7	31	-11	28	14	36	20	16	78	2.69	+.5	16	9,008	nw.	32	se.	17	3	3	25	8.2	10.1	1.5
Oswego	335	71	85	29.77	30.16	+.09	20.1	-3.8	51	7	28	-8	27	12	35	18	14	76	2.75	-.2	19	9,654	s.	37	se.	17	1	3	27	8.8	20.0	4.2
Rochester	523	86	102	29.56	30.16	+.09	23.2	-1.4	55	7	30	-2	28	16	33	21	15	70	2.91	.0	23	7,490	sw.	32	sw.	17	2	7	22	8.2	15.5	4.0
Syracuse	596	65	79	29.49	30.16	+.09	21.5	-1.5	56	7	30	-14	27	13	36				3.46	+.4	20	6,660	nw.	27	se.	17	3	10	18	7.2	16.7	2.5
Erie	714	130	166	29.36	30.16	+.08	27.1	+.3	58	21	34	1	27	20	31	24	20	75	2.02	-.8	18	11,451	s.	49	sw.	17	2	7	22	7.6	4.5	.4
Cleveland	762	267	337	29.31	30.16	+.07	28.9	+2.4	58	7	36	4	27	22	34	26	22	78	2.15	-.4	15	11,595	s.	48	w.	3	5	4	22	7.9	4.2	T
Sandusky	629	5	67	29.46	30.17	+.08	28.1	+1.8	54	7	35	5	24	21	31				2.24	.0	12	7,963	w.	32	sw.	17	5	8	18	7.4	.5	.0
Toledo	628	79	87	29.48	30.19	+.10	26.7	+.9	51	7	34	2	24	20	28	24	20	77	2.26	+.1	10	8,000	w.	34	w.	17	8	5	18	6.7	.3	.0
Fort Wayne	857	69	84	29.23	30.19		27.6	+.7	53	8	34	6	24	21	30	25	22	82	2.58	+.2	8	7,517	s.	38	w.	17	6	8	17	6.9	.3	.0
Detroit *	626	5	78	29.46	30.17	+.09	24.8	+.4	48	7	31	0	27	18	26	23	19	80	2.33	+.3	14	8,311	sw.	42	sw.	17	4	8	19	7.4	1.4	.0
Upper Lake region							17.6	-0.3										83	2.28	+0.5										7.6		
Alpena	609	13	89	29.44	30.15	+.11	19.1	.0	41	7	26	-9	24	12	26	18	14	80	2.05	+.2	14	9,432	nw.	43	se.	17	1	8	22	8.2	19.5	7.0
Escanaba	612	54	60	29.45	30.15	+.10	15.6	+.2	36	9	23	-17	24	8	30	14	11	83	2.10	+.6	11	7,803	nw.	35	nw.	3	5	7	19	6.9	21.9	16.0
Grand Rapids	707	70	244	29.36	30.16	+.10	24.8	+.3	45	6	31	-1	27	19	27	23	18	77	2.04	-.3	10	8,901	se.	43	sw.	17	1	6	24	8.8	7.3	.8
Lansing	878	6	88	29.18	30.16		22.4	.0	42	7	29	-2	27	16	28	22	20	91	1.90	+.1	13	8,301	w.	35	w.	17	4	6	21	7.9	1.8	.0
Ludington	637	5	54																													
Marquette	734	77	111	29.29	30.13	+.09	16.4	+.1	38	5	22	-12	23	10	24	15	13	88	2.52	+.2	22	7,901	w.	32	sw.	5	2	6	23	8.4	26.3	27.5
Sault Sainte Marie	614	11	52	29.41	30.15	+.12	11.6	-1.7	46	5	20	-25	23	3	32	12	9	87	3.35	+1.4	20	6,610	se.	38	nw.	17	4	5	22	8.0	52.5	30.5
Chicago	673	7	131	29.42	30.18	+.08	25.6	+1.9	46	7	33	-7	24	18	34	23	19	77	2.34	+.4	12	8,371	nw.	35	w.	17	8	6	17	6.8	6.0	.7
Green Bay	617	109	141	29.46	30.16	+.10	14.7	-1.0	38	5	23	-25	24	6	36	13	10	82	1.44	-.1	9	8,330	sw.	37	nw.	3	7	9	15	6.7	16.0	6.7
Milwaukee	681	97	221	29.40	30.17	+.09	20.4	-.2	44	6	28	-15	24	13	32	19	15	77	2.50	+.7	9	10,690	nw.	38	se.	12	8	7	16	6.8	10.2	1.6
Duluth	1,133	5	47	28.86	30.16	+.07	5.2	-2.7	36	5	14	-38	23	-4	37	4	2	87	2.61	+1.6	10	10,031	nw.	41	nw.	3	7	4	20	7.1	33.7	23.6
North Dakota							3.0	-1.9										86	0.47	0.0										7.1		
Moorhead, Minn	940	50	58	29.14	30.23	+.09	1.5	-2.3	40	5	11	-31	23	-8	41	1	0	94	.66	.0	11	7,159	n.	28	n.	3	3	5	23	8.0	7.6	6.3
Bismarck	1,674	8	57	28.30	30.20	+.07	8.6	+.8	47	31	19	-32	23	-2	49	6	1	72	.04	-.4	3	6,115	nw.	36	nw.	2	4	16	11	6.5	.6	T
Devils Lake	1,478	11	44	28.52	30.22	+.10	-2.3	-4.1	35	4	8	-36	23	-12	37	-3	-4	94	.50	.0	14	6,778	sw.	24	n.	2	5	5	21	7.3	6.2	3.5
Grand Forks	833	12	67				-2.2		35	5	8	-35	23	-12	39	-3			.63		10		nw.	35	nw.	3	8	4	19		6.3	6.2
Williston	1,878	41	48	28.09	30.20	+.09	4.3	-2.1	38	1	15	-40	23	-6	46	3	1	85	.69	+.2	11	5,192	sw.	25	n.	2	5	11	15	6.6	7.2	7.8
Upper Mississippi Valley							23.2	+1.5										81	2.08	+0.4										6.2		
Minneapolis	918	102	208	29.13	30.17		11.0	-1.7	40	2	20	-31	23	2	35	10	7	85	1.44	+.6	5	8,098	nw.	35	nw.	3	8	7	16	6.4	14.8	10.6
La Crosse	714	11	48	29.37	30.19	+.08	14.4	-1.7	42	5	23	-26	23	5	39	13	10	82	2.31	+1.2	11	4,450	s.	20	nw.	3	8	6	17	6.5	13.3	7.8
Madison	974	70	78	29.07	30.18	+.08	16.8	+.1	40	6	25	-22	23	8	34	16	14	89	1.26	-.1	11	7,044	nw.	27	nw.	3	7	10	14	6.6	7.0	5.0
Charles City	1,015	10	51	29.06	30.20	+.06	14.5	+.8	40	5	24	-27	23	6	40	13	11	86	1.86	+.8	6	5,890	n.	23	nw.	3	11	5	15	5.8	7.0	7.4
Davenport	606	66	161	29.52	30.22	+.10	23.2	+1.4	48	6	31	-10	24	16	33	21	18	81	1.57	+.2	10	8,041	sw.	35	w.	16	11	2	18	6.4	2.0	T
Des Moines	861	5	99	29.30	30.20	+.06	23.0	+2.9	50	6	31	-13	23	15	33	21	18	80	1.57	+.5	8	7,663	n.	30	w.	16	12	2	17	6.0	.4	T
Dubuque	700	60	79	29.40	30.20	+.08	19.4	+.3	44	6	28	-16	24	11	35	18	14	81	1.59	+.3	9	5,261	nw.	21	nw.	3	10	6	15	6.3	7.1	2.4
Keokuk	614	64	78	29.51	30.22	+.08	27.8	+2.9	55	6	36	-8	24	20	31	25	20	76	1.81	+.2	10	6,441	sw.	30	w.	16	10	2	19	6.4	2.1	.5
Cairo	358	87	93	29.81	30.20	+.04	38.6	+3.7	67	16	46	6	24	31	28	34	29	73	4.74	+1.0	8	7,410	n.	25	n.	23	9	6	16	6.2	.1	.0
Peoria	609	11	45	29.52	30.21	+.09	26.2	+3.1	50	8	34	-7	24	18	32	24	22	84	1.93	+.2	11	6,153	s.	27	w.	16	10	7	14	5.7	.1	.0
Springfield, Ill	636	5	191	29.49	30.19	+.06	29.8	+3.3	56	16	37	-3	24	22	31	28	25	84	2.10	.0	8	9,024	s.	37	w.	16	9	4	18	6.4	.2	.0
St. Louis	568	285	303	29.57	30.19	+.05	34.1	+3.3	65	16	42	1	24	26	36	31	26	74	2.76	+.4	9	9,039	s.	32	w.	16	12	4	15	5.7	T	.0
Missouri Valley							27.7	+3.6										78	0.96	-0.1										5.9		
Columbus, Mo	784	6	84	29.33	30.20	+.07	32.3	+3.1	67	16	40	-3	21	24	34				1.74	-.2	8	6,506	n.	30	w.	16	7	6	18	6.7	1.3	.0
Kansas City *	750	32	45	29.35	30.18	+.03	32.4	+4.2	67	16	41	-6	21	24	34	29	25	79	1.13	-.1	7	7,600	sw.	35	w.	16	9	8	14	6.3	.1	.0
St. Joseph	967	11	49	29.10	30.18		30.2		63	16	39	-9	21	21	34	26	23	79	.72	-.3	5	6,713	se.	34	nw.	16	12	5	14	5.7	T	.0
Springfield, Mo	1,324	98	104	28.72	30.17	+.03	35.4	+1.9	68	16	44	-3	21	27	43	32	28	79	2.43	+.1	7	7,870	se.	28	se.	12	8	7	16	6.1	.2	.0
Iola	984	11	50	29.09	30.18	+.04	35.6	+5.8	70	16	44	-5	21	27	32				1.83	+.5	7		nw.				8	12	11		.1	.0
Topeka	987	65	87				32.2	+4.6	66	16	42	-7	21	23	41				.85	-.1	7	7,071	s.	29	nw.	16	13	5	13	5.7	.1	.0
Lincoln	1,189	11	81	28.86	30.18	+.03	27.0	+4.2	58	2	36	-9	21	18	34	22	18	77	.30	-.3	7	7,696	s.	30	nw.	16	12	6	13	5.4	.7	.0
Omaha	1,105	170	200	28.96	30.20	+.05	25.2	+3.3	58	2	34	-12	21	17	36	21	16	74	.22	-.5	6	8,730	n.	32	nw.	3	13	3	15	5.4	.8	T
Valentine	2,598	47	54	27.34	30.18	+.06	23.3	+4.4	64	4	37	-24	21	10	42	18	13	75	.37	-.1	6	6,385	w.	25	sw.	27	10	9	12	5.5	4.2	.0
Sioux City	1,138	64	106	28.91	30.19	+.04	19.7	+1.9	55	5	28	-16	23	11	39	18	14	82	.83	+.1	7	7,334	nw.	31	nw.	12	10	3	18	6.3	6.3	.5
Huron	1,306	60	74	28.74	30.21	+.05	13.6	+2.3	53	2	23	-20	21	4	45	12	9	83	.31	-.2	6	7,027	n.	32	nw.	2	10	8	13	6.1	3.9	T

* Observations taken at airport.

TABLE 1.—*Climatological data for Weather Bureau stations, January 1935*—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, or more	Wind: Total movement	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							22.2	+2.8										72	0.53	−0.3										6.1		
Billings	3,140	4																														
Havre	2,505	11	67	27.39	30.19	+.09	8.3	−4.6	49	24	19	−34	20	−2	50	7	5	88	.81	+.1	12	6,353	e.	35	sw.	2	7	5	19	7.1	12.4	0.4
Helena	4,124	85	111	25.76	30.12	−.03	20.0	−.2	56	25	30	−29	20	11	66	17	11	69	.39	−.5	9	4,306	nw.	30	s.	4	3	9	19	7.5	7.8	T
Kalispell	2,973	48	56	26.91	30.08	−.04	21.6	+1.2	51	25	28	−25	20	15	26	21	19	85	1.97	+.4	1	94,330	nw.	23	n.	17	1	6	24	8.6	19.5	T
Miles City	2,371	48	55	27.51	30.22	+.10	13.4	−1.1	48	31	25	−26	20	2	42	11	8	81	.41	−.2	11	4,155	ne.	26	n.	2	5	12	14	6.7	5.4	1.7
Rapid City	3,259	50	58	26.61	30.17	+.07	25.5	+3.5	63	30	40	−20	20	11	51	19	12	65	.17	−.3	6	5,509	w.	33	n.	2	11	9	11	5.5	1.9	.0
Cheyenne	6,094	50	71	23.96	30.06	+.01	33.3	+7.8	62	27	45	−23	20	21	40	25	14	48	.18	−.2	3	9,045	w.	36	w.	5	13	11	7	4.4	2.0	.0
Lander	5,372	60	68	24.61	30.12	.00	26.8	+8.5	55	24	40	−25	21	13	41	22	17	69	.05	−.5	1	3,828	sw.	33	sw.	16	9	15	7	5.1	.6	T
Sheridan	3,790	10	47	26.07	30.13		22.4		57	4	36	−24	19	8	65	17	10	68	.10	−.8	4	3,369	nw.	21	nw.	12	12	8	11	5.1	.9	.0
Yellowstone Park	6,241	11	48		30.18	+.04	21.7	+4.1	45	30	30	−34	20	14	29			73	1.00	−.6	15	7,474	s.	30	sw.	4	4	6	21		23.4	6.2
North Platte	2,821	11	51	27.11	30.15	+.03	29.2	+6.3	66	5	43	−19	21	15	47	22	17	71	.18	−.2	3	5,451	w.	24	nw.	16	9	12	10	5.3	1.9	.0
Middle Slope							37.1	+6.6										61	0.38	−0.2										4.7		
Denver	5,292	106	113	24.70	30.04	−0.01	39.4	+9.6	68	25	53	−13	20	26	55	29	12	37	0.03	−0.4	2	5,861	s.	29	w.	22	12	15	4	4.5	0.8	0.0
Pueblo	4,685	80	86	25.29	30.06	+.01	38.4	+8.5	71	26	55	−13	21	22	51	28	14	43	.08	−.2	2	5,701	nw.	38	nw.	5	19	11	1	3.2	.6	.0
Concordia	1,392	50	58	28.67	30.20	+.06	30.6	+4.2	67	25	41	−8	21	20	40	25	21	77	.07	−.5	3	6,404	n.	27	nw.	16	13	7	11	4.9	.1	.0
Dodge City	2,509	10	86	27.47	30.15	+.04	36.0	+7.0	69	25	49	−8	21	23	44	29	21	64	.65	+.2	3	8,734	s.	38	w.	16	18	5	8	4.1	.4	.0
Wichita	1,358	85	93	28.68	30.16	+.03	35.7	+4.4	69	16	46	−7	21	26	38	31	26	72	.87	+.1	3	8,451	n.	34	w.	16	11	8	12	5.4	.1	.0
Oklahoma City	1,214	10	47	28.84	30.15	+.04	42.4	+6.0	75	16	53	−2	21	32	39	36	31	72	.60	−.6	3	7,959	s.	31	n.	20	8	11	12	6.2	T	.0
Southern Slope							48.8	+6.0										55	0.42	−0.2										5.3		
Abilene	1,738	10	52	28.29	30.13	+.04	49.8	+5.6	80	9	62	7	21	38	45	41	31	58	.52	−.4	4	6,869	s.	30	sw.	12	8	6	17	6.6	.0	.0
Amarillo	3,676	10	49	26.30	30.08	+.02	44.2	+8.9	77	26	58	−2	21	31	47	34	24	51	.75	+.2	2	6,843	sw.	29	w.	16	14	8	9	4.5	T	.0
Big Spring	2,537	5	62	27.47	30.13		48.4		79	9	62	6	21	35	43	38	29	56	.11		3		s.				9	10	12	5.5	.0	.0
Del Rio	944	64	71	29.08	30.08	+.02	56.2	+3.9	82	10	66	19	22	46	36	49	42	64	.36	−.2	5	5,644	se.	34	nw.	21	11	6	14	5.6	.0	.0
Roswell	3,566	75	85	26.43	30.09	+.05	45.0	+5.8	73	15	60	8	21	30	43	35	22	44	.06	−.5	1	5,102	s.	32	sw.	19	14	8	9	4.1	T	.0
Southern Plateau							43.4	+2.7										62	0.80	+0.2										4.4		
El Paso	3,778	152	175	26.26	30.10	+.09	48.8	+3.8	70	27	60	17	21	38	34	39	27	45	.24	−.2	1	6,755	nw.	45	w.	6	16	8	7	3.6	.0	.0
Albuquerque	4,972	5	39	25.12	30.14		37.4		63	31	51	7	21	24	39	30	23	64	.91	+.5	6	5,207	n.	45	sw.	19	15	8	8	4.4	T	.0
Santa Fe	7,013	38	53	23.27	30.14	+.10	34.7	+5.9	58	28	45	−1	21	25	32	29	24	69	1.11	+.4	7	4,816	ne.	30	sw.	19	13	10	8	4.6	4.2	.0
Flagstaff	6,907	10	59	23.35	30.09	+.04	28.1	+1.4	55	27	41	−10	20	15	42	25		80	3.65		11	5,282	sw.	30	sw.	19	12	8	11		27.2	T
Phoenix	1,108	10	107	28.89	30.06	+.03	53.8	+2.6	83	29	66	26	21	42	40	46	37	61	.95	+.2	6	3,648	e.	30	w.	19	10	9	12	5.2	.0	.0
Yuma	141	9	54	29.92	30.07	+.02	56.0	+1.6	81	31	67	34	21	45	34	47	36	52	.74	+.3	5	4,795	n.	27	w.	19	15	10	6	4.0	.0	.0
Independence	3,957	5	26	26.02	30.12	+.05	39.0	+.8	69	30	50	8	20	28	33	32			.83	−.1	3		s.				15	8	8		3.0	.0
Middle Plateau							32.6	+4.4										72	0.88	−0.2										5.3		
Reno	4,527	61	76	25.47	30.10	−.03	33.8	+1.3	59	30	44	8	20	24	32	30	25	72	1.10	−.4	8	4,259	w.	27	s.	4	5	19	7	5.3	10.1	T
Tonopah	6,090	12	20				32.6		53	27	40	6	19	26	25	29	24	71	.42		4		se.									
Winnemucca	4,344	18	56	25.64	30.12	−.04	30.8	+2.2	54	4	41	−6	20	20	33	28	24	78	1.30	+.3	10	6,478	ne.	29	sw.	17	8	9	14	5.6	13.0	T
Modena	5,473	10	46	24.64	30.10	.00	30.8	+4.1	55	27	41	−15	20	20	42	27	24	80	.94	+.1	9	6,340	sw.	28	s.	19	11	5	15	5.3	4.1	.0
Salt Lake City	4,357	86	210	25.68	30.14	−.01	33.8	+4.6	53	10	42	2	21	26	27	30	24	68	.30	−1.0	6	4,811	s.	30	w.	19	9	14	8	5.3	3.7	.0
Grand Junction	4,602	60	68	25.47	30.13	+.07	34.0	+10.0	59	31	44	5	21	24	32	28	22	66	.77	+.2	4	4,068	nw.	28	s.	19	12	11	8	4.8	1.3	.0
Northern Plateau							30.9	+3.0										76	1.01	−0.6										7.8		
Baker	3,471	48	53	26.46	30.13	−.03	27.7	+2.8	50	30	36	−14	20	20	23	25	21	74	.27	−1.1	9	5,392	se.	22	se.	22	3	13	15	6.8	2.7	.0
Boise	2,739	79	87	27.24	30.18	−.01	31.0	+1.2	53	4	38	−6	20	24	24	28	24	77	.76	−1.0	10	3,908	se.	19	se.	4	1	12	18	8.0	5.2	.0
Pocatello	4,477	60	68	25.51	30.18	−.02	26.8	+2.1	48	5	37	−17	21	17	36	23	19	75	1.37	.0	11	6,056	se.	32	sw.	19	9	7	15	6.3	15.4	1.5
Spokane	1,929	101	110	27.94	30.04	−.08	31.3	+3.8	57	24	37	−18	20	25	39	28	25	79	2.06	−.1	16	5,412	s.	24	s.	21	5	3	23	7.9	20.6	.0
Walla Walla	991	57	65	28.94	30.04	−.11	36.4	+3.7	69	24	43	−4	20	30	49	33	27	73	1.18	−.8	16	4,759	s.	24	s.	21	1	6	24	8.9	3.9	.0
Yakima	1,076	58	67	28.85	30.03		32.0	+4.6	58	24	39	−4	20	25	48	30	26	77	.40	−.9	8	3,114	nw.	16	se.	21	1	6	24	8.6	4.6	.0
North Pacific Coast Region							41.9	+1.2										82	8.98	+2.2										8.7		
North Head	211	11	56	29.69	29.92	−.13	43.5	+1.4	64	31	48	18	19	39	29	41	38	83	12.50	+3.7	22	14,459	s.	68	s.	21	4	1	26	8.3	8.4	.0
Seattle	125	90	321	29.80	29.93	−.12	41.6	+2.1	66	31	46	14	20	37	21	39	35	78	8.90	+4.0	21	8,312	se.	34	s.	16	1	6	24	8.4	17.4	.0
Tatoosh Island	86	10	54	29.76	29.86	−.12	42.3	+1.1	64	31	45	18	19	39	22	40	38	84	22.57	+10.7	26	15,821	e.	59	sw.	21	2	2	27	8.9	7.2	.0
Medford	1,329	29	58	28.61	30.06		36.8		62	31	43	22	15	31	31	35	33	87	2.12	−.7	15	3,367	nw.	26	se.	29	1	2	28	9.3	1.8	.0
Portland, Oreg.	153	68	106	29.82	29.99	−.09	40.4	+1.0	65	24	46	12	20	35	31	38	35	78	3.45	−3.2	18	5,474	s.	27	s.	21	0	5	26	8.6	6.7	.0
Roseburg	510	45	76	29.45	30.01	−.09	41.5	+3	68	31	49	25	3	34	32	39	36	84	4.36	−1.0	15	2,908	sw.	19	w.	11	0	8	23	8.8	8.0	.0
Middle Pacific Coast Region							48.3	+0.8										77	6.10	+1.0										7.2		
Eureka	62	73	89	29.98	30.04	−.06	47.7	+.8	70	29	55	32	19	41	23	44	41	79	7.25	+.1	18	5,454	se.	30	sw.	29	3	4	24	7.9	3.0	.0
Redding	722	20	34				44.4		70	25	52	25	19	37	27	40	35	73	8.25		15	5,666	nw.	28	s.	7	4	3	24	8.2	14.3	.0
Sacramento	69	92	115	30.02	30.09	−.03	46.4	+.6	62	30	53	30	19	40	24	44	42	82	4.81	+1.1	11	5,333	se.	29	se.	4	8	10	13	6.1	.0	.0
San Francisco	155	208	243	29.90	30.07	−.04	50.8	+.9	65	25	56	39	20	46	15	46	42	74	6.23	+1.7	14	4,569	se.	28	nw.	18	6	9	16	6.6	.0	.0
South Pacific Coast Region							53.3	+1.6										70	2.90	+0.6										6.2		
Fresno	327	97	105	29.76	30.12	+.02	46.8	+.6	69	25	54	29	1	40	30	44	41	81	3.64	+1.9	10	4,007	e.	26	nw.	4	6	4	21	7.3	T	.0
Los Angeles	338	159	191	29.70	30.07	−.01	57.0	+2.4	86	31	65	38	20	49	30	48	40	59	2.91	−.2	7	4,842	ne.	19	se.	5	13	11	7	4.4	.0	.0
San Diego	87	62	70	29.98	30.07	.00	56.0	+1.7	75	31	63	42	20	49	26	50	45	71	2.15	+.1	9	4,491	nw.	29	w.	19	6	8	17	6.8	.0	.0
West Indies																																
San Juan, P. R.	82	9	54	29.90	30.00		74.4	−.6	85	10	80	65	27	69	17				3.11	−1.0	13	7,875	e.	32	e.	3	9	17	5	4.9	.0	.0
Panama Canal																																
Balboa Heights	118	6	97		[1] 29.84	.00	79.2	−.7	89	18	87	68	30	72	19			[1] 80	.88	.0	6	6,216	nw.	26	n.	28	9	20	2	4.8	.0	.0
Cristobal	36	6	97		[1] 29.88	+.02	80.0	−1.5	86	3	84	72	31	76	11	74	72	[1] 80	5.81	+2.3	20	10,844	n.	32	nw.	31	7	16	8	5.7	.0	.0
Alaska																																
Fairbanks	454	11	87	[2] 29.47	[2] 30.06		−13.6		24	13	−6	−42	1	−21	46	−12	−16	81	1.41		11	2,693	n.	14	s.	9	15	2	14	4.9	20.5	17.5
Juneau	80	96	116	[2] 29.79	[2] 29.88		23.2		54	29	28	4	17	19	19	21	12	62	5.88		18	7,341	s.	32	e.	29	10	2	19	7.0	26.2	.0
Hawaiian Islands																																
Honolulu	38	86	100	[2] 29.88	[2] 29.92		71.2	+.3	79	30	76	61	25	66	15	66	63	79	3.94	+.2	22	8,296	e.	30	w.	23	11	10	10	5.2	.0	.0

[1] Observations taken bihourly.

[2] Pressure not reduced to mean of 24 hours.

TABLE 2.—*Data furnished by the Canadian Meteorological Service, January 1935*

Stations	Altitude above mean sea level, Jan. 1, 1919	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: Departure from normal	Temperature: Mean maximum	Temperature: Mean minimum	Temperature: Highest	Temperature: Lowest	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Total snowfall
	Feet	*In.*	*In.*	*In.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*In.*	*In.*	*In.*
Cape Race, Newfoundland	99												
Sydney, Cape Breton Island	48												
Halifax, Novia Scotia	88	29.74	29.85	−0.12	20.6	−1.2	28.8	12.5	51	−10	7.55	+1.78	22.0
Yarmouth, Nova Scotia	65												
Charlottetown, Prince Edward Island	38												
Chatham, New Brunswick	28												
Father Point, Quebec	20	30.05	30.08	+.10	3.9	−4.1	11.7	−3.9	37	−22	2.20	−.65	21.4
Quebec, Quebec	296												
Doucet, Quebec	1,236												
Montreal, Quebec	187												
Ottawa, Ontario	236	29.89	30.18	+.15	6.9	−2.7	15.6	−1.8	42	−24	3.40	+.41	23.3
Kingston, Ontario	285	29.82	30.16	+.11	13.8	−3.3	23.2	4.5	42	−18	3.68	+.23	13.7
Toronto, Ontario	379	29.74	30.17	+.12	20.8	−.6	28.2	13.3	46	−11	2.96	+.04	11.3
Cochrane, Ontario	930												
White River, Ontario	1,244	28.72	30.13	+.12	−5.7	−5.3	9.7	−21.1	34	−61	3.22	+1.53	32.2
London, Ontario	808				20.3		27.2	13.5	40	−19	4.20		21.2
Southampton, Ontario	656	29.39	30.14	+.11	17.8	−2.6	25.4	10.2	42	−16	3.45	−.60	28.7
Parry Sound, Ontario	688	29.40	30.15	+.14	10.0	−3.8	19.4	.7	40	−33	3.93	−.15	36.5
Port Arthur, Ontario	644	29.42	30.19	+.12	2.7	−.4	11.5	−6.0	37	−35	2.07	+1.25	20.7
Winnipeg, Manitoba	760	29.33	30.24	+.13	−7.6	−.8	1.6	−16.9	28	−43	1.61	+.73	16.1
Minnedosa, Manitoba	1,690	28.27	30.24	+.14	−7.2	.0	2.3	−16.7	40	−40	1.84	+1.04	18.4
Le Pas, Manitoba	860		30.27		−14.8		−7.4	−22.2	36	−46	.58		5.8
Qu'Appelle, Saskatchewan	2,115	27.70	30.11	+.03	−4.5	−.7	4.1	−13.1	45	−42	1.92	+1.42	19.2
Moose Jaw, Saskatchewan	1,759				−1.1		9.0	−11.2	45	−40	1.48		14.8
Swift Current, Saskatchewan	2,392	27.43	30.12	+.03	2.0	−1.1	12.8	−8.8	42	−40	1.65	+1.01	16.4
Medicine Hat, Alberta	2,365	27.45	30.06	−.01	4.4	−1.1	15.2	−6.3	43	−38	2.10	+1.53	21.0
Calgary, Alberta	3,540	26.21	30.09	+.06	7.3	−1.1	19.4	−4.8	52	−38	1.19	+.66	11.9
Banff, Alberta	4,521												
Prince Albert, Saskatchewan	1,450												
Battleford, Saskatchewan	1,592	28.35	30.22	+.14	−12.8	−6.9	−2.8	−22.9	28	−55	.85	+.45	8.5
Edmonton, Alberta	2,150												
Kamloops, British Columbia	1,262												
Victoria, British Columbia	230	29.62	29.88	−.09	38.7	+.2	42.5	35.0	56	10	13.28	+7.89	10.0
Barkerville, British Columbia	4,180												
Estevan Point, British Columbia	20												
Prince Rupert, British Columbia	170												
Hamilton, Bermuda	151												

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Cape Race, Newfoundland	99				28.2		33.7	22.6	48	7	4.27		22.6
Sydney, Cape Breton Island	48	29.69	29.74	−0.15	25.8	−2.4	31.3	20.3	54	12	4.14	−0.49	24.0
Halifax, Novia Scotia	88	29.59	29.70	−.26	23.3	−4.3	28.8	17.8	57	4	6.08	+.96	11.6
Yarmouth, Novia Scotia	65	29.79	29.86	−.12	28.1	−2.6	33.4	22.8	59	12	5.64	+.87	25.4
Charlottetown, Prince Edward Island	38	29.73	29.77	−.17	19.1	−5.2	25.4	12.8	56	−1	4.49	+.83	37.6
Chatham, New Brunswick	28	29.74	29.78	−.16	12.0	−5.0	21.6	2.4	44	−15	2.21	−1.01	17.3
Father Point, Quebec	20	29.88	29.91	−.04	12.2	−3.2	18.0	6.5	46	−8	2.35	−.48	19.1
Quebec, Quebec	296	29.66	30.00	−.01	11.8	−3.4	18.0	5.7	44	−12	3.24	−.45	23.9
Kingston, Ontario	285	29.72	30.06	+.02	20.1	−3.6	27.5	12.7	52	−10	2.35	−.89	9.3
Moose Jaw, Saskatchewan	1,759				12.0		20.5	3.6	48	−31	.45		4.5
Calgary, Alberta	3,540	26.26	30.08	+.14	19.5	+1.3	27.8	11.2	58	−28	.26	−.33	2.6
Edmonton, Alberta	2,150	27.70	30.12	+.12	9.2	−3.9	16.9	1.5	42	−35	.82	+.08	7.7
Kamloops, British Columbia	1,262	28.86	30.20	+.16	26.4	−2.5	30.3	22.4	42	−6	1.06	+.28	8.0
Estevan Point, British Columbia	20				42.5		47.4	37.5	54	30	18.01		27.8
Prince Rupert, British Columbia	170				36.1		41.1	31.1	60	12	7.81		1.4
Hamilton, Bermuda	151	29.93	30.10	−.02	64.6	−.1	69.2	60.0	78	50	5.62	+1.13	.0

SEVERE LOCAL STORMS, JANUARY 1935

(Compiled by Mary O. Souder)

[The table herewith contains such data as have been received concerning severe local storms that occurred during the month. A revised list of tornadoes will appear in the Annual Report of the Chief of Bureau]

Place	Date	Time	Width of path (yards)	Loss of life	Value of property destroyed	Character of storm	Remarks	Authority
Beadle County, S. Dak	2-3	9:15 p. m., 2d to a. m., of 3d.		2		Wind, dust, and cold wave.	High northwest wind, accompanied by severe local dust storm and rapidly falling temperature, caused the death of 2 boys, 6 and 11 years of age, when they lost their way enroute home from a neighboring farm about one-half mile distant, on open prairie 10 miles northeast of Huron.	Official, U. S. Weather Bureau.
Stamps, Ark	7					Wind	3 persons injured; considerable damage to roofs of buildings.	Do.
Alpena, Mich	12-13					Snow	9 inches of snow fell in 24 hours; rural roads blocked for several days.	Do.
Baltimore, Md	14					Gale	Old shed 70 by 900 feet and an unoccupied lumber shed demolished; house damaged by an uprooted tree and a number of homes slightly damaged.	Do.