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, October 1935

[For description of tables and charts, see REVIEW, January, p. 37]

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	67.5	+2.8	Greensboro	92	13	St. Bernard	30	8	1.71	−1.06	Belgreen	6.55	2 stations	0.00
Arizona	63.0	−.5	Agua Caliente	105	5	Fort Valley	3	31	.05	−.72	Clemenceau	.59	69 stations	.00
Arkansas	63.9	+1.3	El Dorado	95	15	Wynne	27	7	4.94	+1.81	Madison	10.69	El Dorado	1.89
California	58.3	−2.1	Brawley	105	11	Twin Lakes	1	31	1.20	−.03	Crescent City (near)	6.12	7 stations	.00
Colorado	47.4	+.7	Walsenburg	92	15	2 stations	−6	[1] 22	.80	−.37	Columbine	3.37	3 stations	.00
Florida	74.4	+1.2	Ocala	95	3	Vernon	39	26	2.63	−1.60	Stuart	12.80	do	.00
Georgia	66.6	+1.6	2 stations	92	[1] 5	Blairsville	21	7	1.10	−1.57	Rome	3.82	5 stations	.00
Idaho	46.2	−.6	Kooskia	95	2	Pelton Ranch	−9	30	.93	−.46	Pierce	3.24	2 stations	.08
Illinois	56.0	+.9	Harrisburg	93	[1] 14	4 stations	23	6	2.05	−.69	Palestine	5.59	Rock Island	.65
Indiana	55.8	+1.0	Shoals	96	13	Marengo	18	7	1.84	−.88	Bloomington	5.48	Kokomo	.47
Iowa	50.9	−.6	Ottumwa	89	16	Humboldt	12	6	2.76	+.38	Red Oak	5.88	Muscatine	.63
Kansas	56.1	−.9	Liberal	91	12	3 stations	17	[1] 24	2.88	+.91	Emporia	8.38	2 stations	T
Kentucky	59.5	+1.3	5 stations	91	[1] 12	Farmers	22	7	2.51	−.21	Lovelaceville	6.04	Franklin	1.16
Louisiana	71.4	+3.0	Melville	95	15	Tallulah	30	7	1.33	−1.92	Atchafalaya	4.06	2 stations	.11
Maryland-Delaware	56.0	−.1	Western Port, Md.	88	14	Oakland, Md.	17	7	2.76	−.12	State Sanatorium, Md.	4.38	Cheltenham, Md.	1.32
Michigan	48.6	−.4	Croton	84	13	Bessemer	15	6	1.69	−1.04	Ironwood	5.35	Cassapolis	.49
Minnesota	45.3	−1.1	Winona	83	13	Big Falls	7	31	1.81	−.15	Minneapolis, No. 1	4.85	Morris	.03
Mississippi	67.8	+2.4	2 stations	95	[1] 13	3 stations	31	7	2.70	+.07	Corinth	8.90	Pearlington	T
Missouri	57.1	−.3	do	90	[1] 14	Elsberry	21	24	3.52	+.65	Nevada	7.29	Palmyra	.83
Montana	43.8	−.7	Haugan	91	2	Summit	−30	31	.81	−.22	White Sulphur Springs.	3.50	Fairview	T
Nebraska	49.8	−1.4	2 stations	89	15	Harrison	−2	31	.83	−.78	Syracuse	5.23	3 stations	.00
Nevada	50.7	+.3	do	100	[1] 1	Austin	2	31	.39	−.17	Gold Creek	1.56	6 stations	.00
New England	49.2	−.3	Fitchburg, Mass.	86	14	First Conn. Lake, N. H.	16	25	1.06	−2.44	Falmouth, Mass.	3.12	Putnam, Conn.	.27
New Jersey	54.8	+.1	Hammonton	84	23	Runyon	16	17	4.50	+1.09	Pemberton	6.84	New Milford	2.00
New Mexico	54.5	+.8	Nara Visa (near)	94	[1] 12	Horse Springs	5	27	.40	−.71	Red River Canyon	1.83	20 stations	.00
New York	50.5	+.5	3 stations	82	[1] 14	Indian Lake	15	16	2.75	−.53	Norwich	7.46	Bedford Hills	1.00
North Carolina	60.7	+.8	6 stations	89	15	Banners Elk	16	7	1.49	−1.83	Banners Elk	3.58	Swansboro	T
North Dakota	43.5	.0	Mott	86	15	Howard	−10	[1] 30	.16	−.88	Moorhead	.95	4 stations	.00
Ohio	54.0	+.6	Gallipolis (near)	92	14	Holgate	21	7	2.03	−.52	Gallipolis (near)	3.85	Mount Vernon (near)	.83
Oklahoma	63.2	+.9	Altus	100	2	Kenton	28	31	3.12	+.12	Spavinaw	9.50	Kenton	.42
Oregon	47.8	−1.8	Wolf Creek	96	1	Kinzua	−1	30	2.06	+.14	Brookings	9.35	Warmspring Reservoir.	.10
Pennsylvania	53.0	+.6	5 stations	86	[1] 14	Somerset	16	7	2.77	+.40	Quakertown	6.73	Parkers Landing	.50
South Carolina	63.9	+.3	Winthrop College	91	15	Long Creek	24	7	1.12	−1.91	Society Hill	3.02	Aiken	.12
South Dakota	47.7	−.8	Hot Springs	94	8	Camp Crook	−3	31	.24	−1.05	Gelhaus Farm	.59	3 stations	T
Tennessee	61.5	+1.9	Etowah	93	[1] 11	2 stations	21	[1] 7	3.12	+.28	Savannah	8.37	New Tazewell	1.20
Texas	69.8	+1.9	Smithville	100	3	Mount Locke	26	24	2.34	−.28	Longview	8.31	Friona (near)	.04
Utah	49.1	+.2	2 stations	96	[1] 1	Soldier Summit	−2	31	.27	−.78	Huntsville (near)	1.63	10 stations	.00
Virginia	57.6	+.3	Pennington Gap	89	13	Burkes Garden	17	7	2.24	−.69	Dante	4.11	Langley Field	.22
Washington	47.8	−1.8	Wahluke (near)	93	2	2 stations	−5	31	2.25	−.79	Big Four	8.86	Berne	.25
West Virginia	54.7	+.1	Ryan	90	14	Alpena	15	7	3.01	+.23	Pickens	4.75	White Sulphur Springs.	1.25
Wisconsin	47.7	−.5	4 stations	80	[1] 13	Mellen	8	6	2.48	+.01	Weyerhauser	7.41	Racine	.76
Wyoming	43.2	−.2	Lyman	91	2	3 stations	−12	30	.53	−.56	Beckler River	2.32	Eden	.02
Alaska (September)	44.7	+.4	2 stations	76	[1] 4	Allakaket	8	23	3.49	−.26	Mount Roberts (b)	21.00	Bethel	.28
Hawaii	74.3	+.7	3 stations	93	[1] 1	Kanalohuluhulu	44	30	5.96	+.11	Keauhou No. 2	34.34	Ka Lae	.26
Puerto Rico	76.7	−1.4	San German	95	5	Guineo Reservoir	48	25	7.45	−.76	Rio Blanco	16.82	Santa Isabel	1.62

[1] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, October 1935*

[Compiled by Annie E. Small, by official authority, U. S. Weather Bureau]

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							51.5	+0.5										74	1.09	−2.2										4.0		
Eastport	76	67	85	30.07	30.16	+0.16	47.7	+0.2	64	28	54	31	25	41	18	45	43	86	1.04	−2.5	8	7,412	sw.	27	nw.	20	11	11	9	4.9	T	0.0
Greenville, Maine	1,070	6	40	28.97	30.16	------	44.2	------	67	14	55	24	17	33	38	----	----	----	1.02	------	7	4,435	----	24	----	21	13	9	9	----	T	.0
Portland, Maine	103	82	117	30.05	30.17	+.13	49.8	−.1	68	22	58	31	25	41	23	44	39	70	.48	−2.7	5	6,547	sw.	26	nw.	15	22	4	5	2.8	0.0	.0
Concord	289	60	----	------	------	------	48.6	−1.1	79	14	62	24	17	35	48	----	----	----	.48	------	3	------	ne.	----	----	----	17	8	6	----	.0	.0
Burlington	403	11	48	29.70	30.14	+.10	49.0	−.2	73	22	59	27	7	39	34	----	----	----	1.64	−1.3	8	8,252	s.	39	s.	3	9	9	13	5.5	T	.0
Northfield	876	12	60	29.21	30.18	+.14	45.8	+.3	76	14	60	19	17	32	51	40	36	77	.92	−1.9	7	5,982	s.	34	s.	3	10	8	13	5.6	.0	.0
Boston	124	336	360	30.05	30.19	+.14	53.8	+.2	78	23	63	32	25	45	29	47	40	67	.34	−2.8	6	10,093	w.	34	sw.	23	17	5	9	4.1	.0	.0
Nantucket	12	14	90	30.16	30.18	+.13	55.7	+1.5	71	22	62	42	7	50	16	51	47	77	2.76	−.6	6	10,773	s.	47	n.	7	22	6	3	2.9	.0	.0
Block Island	26	11	46	30.16	30.18	+.13	55.1	+.2	69	29	61	38	7	49	18	51	48	80	1.58	−2.0	8	11,252	sw.	38	n.	7	20	8	3	3.3	.0	.0
Providence	160	215	251	30.01	30.19	+.14	53.6	+1.4	78	23	63	33	25	44	27	47	41	68	.76	−2.4	6	7,998	nw.	34	nw.	23	21	6	4	2.7	.0	.0
Hartford	159	70	104	30.02	30.20	+.14	53.8	+2.6	77	18	64	30	17	43	38	----	----	----	.66	−2.9	8	5,898	s.	23	nw.	24	16	8	7	3.6	.0	.0
New Haven	106	74	153	30.09	30.21	+.15	54.0	+.2	73	23	63	33	17	45	31	48	43	70	.76	−2.9	8	6,651	n.	24	ne.	31	14	10	7	4.4	.0	.0
Middle Atlantic States							56.8	+0.5										72	2.57	−0.5										4.6		
Albany	97	97	112	30.09	30.20	+.14	52.8	+.7	75	22	64	30	17	42	38	46	42	74	1.42	−1.3	10	5,229	s.	29	s.	3	10	12	9	5.1	.0	.0
Binghamton	871	57	79	29.25	30.19	+.13	51.3	+1.3	80	14	64	25	8	39	42	----	----	----	2.98	.0	11	4,538	e.	21	sw.	3	8	7	16	6.2	.0	.0
New York	314	415	454	29.85	30.19	+.13	56.8	+.5	76	18	65	37	25	49	27	50	44	68	2.52	−1.0	8	10,766	nw.	39	nw.	23	14	10	7	4.2	.0	.0
Harrisburg	374	94	104	29.80	30.20	+.12	55.3	+.5	78	22	65	32	8	46	29	48	42	67	2.58	−.4	7	5,027	nw.	22	sw.	29	11	10	10	4.9	.0	.0
Philadelphia	114	168	367	30.09	30.22	+.15	57.8	.0	79	18	67	38	25	49	30	50	45	68	3.95	+1.1	10	9,033	sw.	32	s.	3	12	13	6	4.3	.0	.0
Reading	323	283	306	29.85	30.21	------	56.4	+1.7	80	22	66	32	8	47	31	49	43	67	1.71	−1.4	10	7,671	nw.	32	se.	29	11	14	6	5.1	.0	.0
Scranton	805	72	104	29.32	30.20	+.13	52.6	+.7	75	22	64	28	8	42	37	45	40	71	3.43	+.4	9	4,444	sw.	21	nw.	3	8	14	9	5.0	.0	.0
Atlantic City	52	37	172	30.14	30.20	+.13	57.2	+.3	74	19	64	38	25	50	23	52	49	77	3.58	+.4	9	11,199	s.	38	ne.	31	12	12	7	4.5	T	.0
Sandy Hook	22	10	57	30.17	30.19	------	56.5	------	73	18	63	42	7	50	22	51	47	75	2.77	−1.0	9	10,185	w.	43	s.	3	17	6	8	3.9	.0	.0
Trenton	190	88	106	30.00	30.20	------	55.5	−.1	78	18	66	35	17	45	33	49	44	72	4.73	+2.0	12	6,424	s.	24	s.	3	14	10	7	4.2	.0	.0
Baltimore	123	100	215	30.08	30.21	+.13	58.5	+.3	82	22	68	38	7	49	30	51	46	68	2.63	−.3	8	6,797	s.	29	nw.	1	16	6	9	4.3	.0	.0
Washington	112	62	85	30.08	30.20	+.12	58.2	+.8	82	22	68	35	9	48	32	51	46	72	2.76	−.1	8	4,151	nw.	19	nw.	1	13	9	9	4.7	.0	.0
Cape Henry	18	8	54	30.18	30.20	------	61.6	−.5	84	23	69	42	26	54	29	56	53	77	1.59	−1.4	5	9,329	n.	38	n.	6	15	10	6	4.0	.0	.0
Lynchburg	686	5	----	29.47	30.22	+.13	59.0	+.5	87	22	74	28	7	44	40	----	----	----	2.18	−1.0	6	------	n.	----	----	----	6	24	1	----	.0	.0
Norfolk	91	80	125	30.11	30.21	+.14	62.0	−.5	83	22	70	42	7	54	30	55	51	76	.78	−2.3	7	6,857	ne.	26	nw.	6	9	12	10	5.3	.0	.0
Richmond	144	11	52	30.07	30.22	+.14	59.9	+.3	84	23	71	35	7	49	36	52	49	78	1.73	−1.2	6	5,383	sw.	24	n.	1	14	10	7	4.0	.0	.0
Wytheville	2,304	49	55	------	30.21	+.12	54.6	+1.0	78	14	68	25	7	41	39	----	----	70	2.34	−.5	6	3,870	w.	22	w.	1	16	10	5	----	T	.0
South Atlantic States							65.3	+1.1										77	0.74	−2.5										4.2		
Asheville	2,253	89	104	27.86	30.23	+.14	57.8	+2.5	82	15	72	27	7	44	40	48	43	76	1.93	−.8	4	5,047	s.	27	se.	28	15	11	5	4.0	.0	.0
Charlotte	779	63	86	29.37	30.21	+.13	62.5	+.8	87	15	74	34	7	51	32	53	48	68	.89	−2.1	7	4,686	ne.	20	sw.	1	15	13	3	3.6	.0	.0
Greensboro	886	6	56	29.25	30.22	------	58.4	------	85	15	73	30	8	44	41	51	48	81	.94	------	4	5,171	ne.	24	nw.	1	11	16	4	4.0	.0	.0
Hatteras	11	5	50	30.16	30.17	+.11	65.6	−.3	80	23	71	50	7	60	21	62	61	89	.31	−4.6	3	8,841	ne.	41	n.	6	12	12	7	4.7	.0	.0
Raleigh	376	103	146	29.79	30.20	+.13	62.2	+.2	84	22	73	35	7	52	29	55	51	74	1.34	−1.5	6	5,828	ne.	24	n.	6	13	14	4	3.8	.0	.0
Wilmington	72	73	107	30.12	30.19	+.13	65.2	−.1	85	15	76	38	7	55	31	59	56	79	.19	−3.1	2	5,773	ne.	25	n.	6	15	10	6	4.3	.0	.0
Charleston	48	11	92	30.12	30.17	+.11	68.4	+.6	85	4	76	45	7	61	25	62	60	80	.14	−3.1	2	7,681	ne.	32	n.	6	11	12	8	4.7	.0	.0
Columbia, S. C.	347	67	73	29.82	30.20	+.13	64.9	+.6	87	15	76	35	7	53	31	56	51	69	.54	−2.0	3	4,187	ne.	18	ne.	6	15	13	3	3.6	.0	.0
Greenville, S. C.	1,039	139	----	------	------	------	63.2	+3.0	85	16	75	38	7	52	31	----	----	----	1.98	−1.0	2	------	ne.	----	----	----	18	6	7	----	----	----
Augusta	182	62	77	29.96	30.16	+.09	66.0	+.7	88	15	78	39	7	53	36	57	52	70	.09	−2.4	3	3,667	ne.	24	n.	6	13	8	10	4.3	.0	.0
Savannah	65	73	152	30.09	30.16	+.11	70.3	+2.4	88	4	80	47	7	60	29	62	60	83	.31	−2.7	1	6,979	e.	30	ne.	6	17	9	5	3.8	.0	.0
Jacksonville	43	86	110	30.07	30.12	+.10	72.4	+1.3	88	1	80	55	26	65	21	66	65	85	.40	−4.1	10	6,302	ne.	25	ne.	6	12	8	11	5.3	.0	.0
Florida Peninsula							77.6	+0.8										78	4.64	−1.2										5.6		
Key West	22	10	64	29.96	29.98	+.04	79.1	.0	89	1	84	71	19	75	15	73	71	80	2.21	−3.8	17	7,855	ne.	24	ne.	25	8	10	13	6.0	.0	.0
Miami	25	124	168	29.98	30.01	+.04	78.0	+1.0	89	2	83	68	8	73	16	72	70	76	9.45	+1.0	23	8,586	ne.	33	ne.	17	6	11	14	6.6	.0	.0
Tampa	35	88	197	30.02	30.06	+.08	75.8	+1.5	88	14	84	61	26	68	22	68	65	79	2.27	−.8	4	8,818	ne.	30	e.	15	17	10	4	4.1	.0	.0
Titusville	43	5	36	30.01	30.06	------	75.7	------	90	3	84	61	27	68	25	----	----	----	8.46	------	12	------	e.	----	----	----	15	9	7	----	.0	.0
East Gulf States							68.8	+2.3										71	1.01	−1.9										3.7		
Atlanta [1]	976	6	53	29.14	30.17	+.10	63.8	+.8	86	15	76	36	8	51	36	54	50	74	2.26	−.3	5	4,810	ne.	25	sw.	28	13	13	5	4.5	.0	.0
Macon	370	79	87	29.77	30.17	+.11	66.4	+1.9	87	15	79	39	27	54	39	56	51	67	.36	−2.0	4	4,522	n.	24	s.	28	16	12	3	3.7	.0	.0
Thomasville	273	49	58	29.85	30.14	+.10	70.4	+2.2	88	5	82	45	26	59	31	63	60	80	.01	−3.0	1	------	ne.	----	----	----	18	10	3	----	.0	.0
Apalachicola	35	11	51	30.06	30.10	------	72.4	------	87	6	80	52	8	65	23	66	----	----	.01	−3.2	1	------	ne.	----	----	----	21	3	7	----	.0	.0
Pensacola	56	149	185	30.05	30.11	+.08	71.3	+1.4	85	1	78	52	7	65	24	64	60	72	.02	−4.2	1	8,781	ne.	26	s.	28	20	8	3	2.7	.0	.0
Anniston	741	9	----	------	------	------	64.6	+2.2	85	13	77	36	8	52	40	----	----	----	2.42	−.2	4	------	se.	----	----	----	17	12	2	----	.0	.0
Birmingham	700	11	48	29.38	30.14	+.07	68.0	+3.2	89	12	80	44	7	56	37	56	49	60	2.59	+.2	3	4,712	e.	23	s.	28	15	13	3	3.6	.0	.0
Mobile	57	125	161	30.04	30.10	+.06	71.2	+1.9	86	12	80	46	7	62	28	63	59	75	1.07	−2.5	4	6,510	n.	23	n.	24	15	12	4	3.6	.0	.0
Montgomery	218	92	105	29.90	30.15	+.09	69.1	+2.5	85	23	80	47	8	58	32	59	53	65	.65	−1.8	2	4,897	e.	20	s.	28	16	10	5	3.8	.0	.0
Meridian	375	67	92	29.73	30.12	+.06	68.2	+3.9	88	13	81	41	7	56	38	58	54	71	1.21	−1.2	4	4,035	e.	17	se.	27	15	11	5	3.7	.0	.0
Vicksburg	247	65	73	29.86	30.12	+.06	69.4	+2.7	88	16	80	37	7	59	33	60	56	71	1.09	−1.7	4	5,143	se.	15	s.	21	13	11	7	4.3	.0	.0
New Orleans	53	76	84	30.04	30.09	+.06	74.0	+3.0	87	22	82	51	7	66	22	66	63	78	.48	−2.8	3	5,227	e.	18	e.	17	16	12	3	3.8	.0	.0
West Gulf States							70.5	+2.6										77	3.66	+0.6										4.6		
Shreveport	249	92	227	29.82	30.09	+.04	70.4	+3.8	89	14	81	46	7	60	28	60	56	69	3.88	+1.2	5	7,554	se.	27	ne.	14	17	10	4	3.5	.0	.0
Bentonville	1,303	12	38	28.70	30.10	+.05	58.8	+.8	82	15	68	36	24	50	32	----	----	----	6.50	+3.0	13	5,364	s.	20	s.	13	7	9	15	----	.0	.0
Fort Smith	457	79	94	29.61	30.09	+.04	63.8	+1.0	88	16	73	43	24	54	33	56	52	73	5.76	+2.8	10	5,697	e.	19	n.	7	7	11	13	5.9	.0	.0
Little Rock	357	94	102	29.74	30.12	+.06	64.3	+.8	85	16	73	40	7	55	29	57	52	72	3.50	+.8	10	5,233	e.	24	sw.	22	12	9	10	5.3	.0	.0
Austin	605	136	148	29.42	30.05	------	73.1	+4.8	94	3	83	46	23	63	34	64	61	75	1.65	−1.5	4	5,243	se.	21	s.	22	10	15	6	5.0	.0	.0
Brownsville	57	88	96	29.93	29.99	------	76.7	+1.8	89	3	84	52	24	69	29	70	68	85	2.28	−1.0	9	6,572	se.	24	nw.	24	19	7	5	3.8	.0	.0
Corpus Christi	20	11	78	30.01	30.03	+.03	76.4	+3.2	88	1	82	53	24	70	27	71	69	83	5.76	+3.3	4	7,064	se.	28	e.	10	16	8	7	4.0	.0	.0
Dallas	512	220	227	29.51	30.05	------	68.4	------	87	21	77	43	23	60	28	61	57	74	2.87	+.2	8	8,054	se.	29	nw.	22	12	6	13	5.5	.0	.0
Fort Worth	679	92	110	29.35	30.06	+.03	69.0	+2.3	88	4	78	42	23	60	32	----	----	----	4.01	+1.2	8	6,933	s.	27	s.	20	13	5	13	5.2	.0	.0
Galveston	54	106	114	30.00	30.06	+.03	75.0	+2.3	85	3	80	57	24	71	19	70	68	81	1.86	−2.5	5	7,276	s.	21	se.	17	20	10	1	3.0	.0	.0
Houston	138	292	314	29.92	30.07	------	73.6	+3.3	89	3	82	53	24	65	25	----	----	----	4.96	+1.2	9	8,097	se.	29	se.	27	11	12	8	4.7	.0	.0
Palestine	510	64	72	29.55	30.08	+.05	70.6	+3.4	89	16	81	48	24	60	29	62	58	75	5.69	+2.4	8	5,079	s.	20	s.	20	15	6	10	4.5	.0	.0
Port Arthur	34	58	66	30.03	30.07	------	74.0	------	88	3	82	54	24	66	27	67	65	83	.62	−2.8	5	5,378	e.	19	ne.	4	13	13	5	3.9	.0	.0
San Antonio	693	242	301	29.32	30.03	+.02	74.0	+3.5	91	1	83	47	24	65	26	66	63	77	1.94	−.3	5	7,707	se.	27	ne.	23	8	13	10	5.5	.0	.0

[1] Observations taken at airport.

TABLE 1.—*Climatological data for Weather Bureau stations, October 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.
Ohio Valley and Tennessee							58.5	+0.8										70	2.70	0.0										5.1		
Chattanooga	762	71	214	29.37	30.18	+0.09	64.2	+2.3	87	12	76	37	8	52	35	54	47	63	3.55	+0.5	3	4,540	ne.	23	se.	16	12	13	6	4.4	0.0	0.0
Knoxville	995	66	84	29.13	30.20	+.11	62.4	+2.5	89	13	75	35	7	50	34	52	46	66	3.92	+1.3	7	3,493	e.	22	w.	28	13	11	7	4.1	.0	.0
Memphis	399	78	86	29.71	30.13	+.06	65.1	+1.8	87	16	73	39	7	57	28	56	51	67	7.30	+4.6	9	4,803	se.	19	n.	23	12	12	7	4.8	.0	.0
Nashville	546	168	191	29.60	30.19	+.11	62.2	+1.2	86	12	73	35	7	51	36	53	47	66	1.51	−1.0	6	5,917	s.	26	n.	6	13	8	10	5.2	.0	.0
Lexington	989	6	----	----	----	----	58.1	+.7	88	13	70	31	7	47	36	----	----	----	2.81	+.2	11	----	s.	----	----	----	20	5	6	----	.0	.0
Louisville	525	188	234	29.61	30.19	+.11	60.0	+.7	86	13	70	35	6	50	32	52	45	66	1.96	−.7	11	6,247	s.	30	e.	28	12	13	6	4.5	.0	.0
Evansville	431	76	116	29.70	30.17	+.09	61.2	+1.8	86	16	71	34	7	52	31	52	47	67	2.92	+.1	11	5,431	s.	23	s.	21	9	10	12	5.3	.0	.0
Indianapolis	822	194	230	29.29	30.18	+.11	56.2	+.5	84	13	65	31	6	47	34	49	42	65	1.01	−1.8	11	6,725	s.	33	w.	3	8	10	13	6.0	.0	.0
Terre Haute	575	96	129	29.53	30.15	----	57.8	----	86	14	68	31	6	48	31	50	45	71	1.47	−1.3	9	5,730	se.	26	nw.	3	11	6	14	5.5	.0	.0
Cincinnati	627	11	51	29.51	30.20	+.12	57.2	+1.5	87	13	68	30	7	46	35	49	45	74	1.95	−.6	9	4,390	sw.	22	sw.	3	11	6	14	5.6	.0	.0
Columbus	822	90	210	29.31	30.19	+.11	55.0	−.2	81	13	66	31	7	44	32	48	44	72	1.26	−1.2	11	5,839	s.	36	sw.	3	9	11	11	5.4	.0	.0
Dayton	900	58	153	29.22	30.18	----	55.7	+.7	84	13	66	30	7	46	33	----	----	----	2.14	−.4	10	5,027	sw.	31	w.	3	11	9	11	----	.0	.0
Elkins	1,947	59	78	28.17	30.26	+.16	51.7	−.6	79	13	65	25	7	38	43	44	41	84	3.94	+1.0	13	3,291	nw.	27	e.	29	10	11	10	5.5	1.5	.0
Parkersburg	637	77	84	29.57	30.24	+.16	55.7	−.4	83	14	67	29	7	44	39	49	45	78	2.75	+.3	10	3,496	se.	18	sw.	3	13	7	11	5.2	T	.0
Pittsburgh	842	164	410	28.83	30.20	+.12	53.8	−1.9	81	14	64	32	7	43	36	46	40	69	2.03	−.5	9	6,653	sw.	34	sw.	3	12	8	11	4.9	T	.0
Lower Lake Region							52.2	+0.1										72	1.96	−0.9										5.5		
Buffalo	768	243	280	29.32	30.16	+.11	51.6	−.3	76	13	59	34	7	44	32	46	42	73	1.58	−1.7	9	11,107	sw.	56	w.	3	10	10	11	5.4	T	.0
Canton	448	10	61	29.65	30.13	----	48.5	+1.3	74	14	59	22	7	38	38	44	40	78	2.13	−.9	9	6,425	sw.	30	sw.	3	8	7	16	6.3	T	.0
Ithaca	836	77	100	29.26	30.18	----	51.4	+.3	82	14	62	26	8	41	35	43	40	71	2.80	−.2	12	6,637	nw.	33	s.	3	9	11	11	5.7	T	.0
Oswego	335	71	85	29.79	30.16	+.11	51.4	+.2	79	14	60	32	8	43	31	45	40	70	3.45	+.2	14	7,214	s.	28	w.	3	6	12	13	6.2	T	.0
Rochester	523	86	102	29.59	30.18	+.13	52.4	+.9	80	14	61	31	25	43	37	45	39	66	2.13	−.5	11	6,297	sw.	28	w.	3	10	9	12	5.8	T	.0
Syracuse	596	65	79	29.53	30.18	+.12	52.6	+1.6	81	14	62	32	7	43	38	----	----	----	2.73	−.1	11	5,549	s.	23	sw.	3	6	14	11	5.9	T	.0
Erie	714	130	166	29.40	30.17	+.12	53.6	+.2	78	13	62	35	25	46	31	47	43	74	1.75	−1.9	13	9,652	s.	38	w.	3	10	11	10	5.1	.5	.0
Cleveland	762	267	318	29.35	30.18	+.12	54.0	+.4	78	13	61	36	24	47	27	47	41	66	1.69	−1.1	10	10,763	s.	50	w.	3	11	10	10	4.9	.3	.0
Sandusky	629	5	67	29.49	30.19	+.13	53.6	−.7	83	13	63	31	7	44	34	----	----	----	1.21	−1.2	9	6,497	sw.	30	w.	3	9	12	10	5.2	T	.0
Toledo	628	79	87	29.50	30.19	+.14	52.8	−.6	83	13	62	30	6	44	30	46	41	71	1.21	−1.2	9	6,503	w.	30	w.	3	12	8	11	4.7	.0	.0
Fort Wayne	857	69	84	29.24	30.18	----	52.8	−.9	83	13	62	30	6	43	32	46	42	73	1.63	−1.0	11	5,834	nw.	28	nw.	3	12	7	12	5.4	.0	.0
Detroit [1]	626	5	78	29.48	30.18	+.13	51.4	−1.1	80	17	62	28	12	41	32	45	40	73	1.24	−1.1	10	7,025	sw.	34	w.	3	9	9	13	5.9	T	.0
Upper Lake Region							48.5	0.0										77	1.62	−1.1										6.3		
Alpena	609	13	89	29.44	30.12	+.09	47.4	+.3	76	17	55	29	5	40	31	42	39	80	1.30	−1.4	10	8,227	nw.	32	nw.	3	10	6	15	6.2	.6	.0
Escanaba	612	54	60	29.42	30.10	+.09	46.1	+.1	72	25	54	25	5	39	33	42	38	78	1.26	−1.4	12	7,906	s.	35	nw.	3	6	12	13	6.3	T	.0
Grand Rapids	707	70	244	29.37	30.14	+.10	51.9	+.7	81	13	60	30	6	44	31	45	41	74	1.08	−1.7	11	7,954	sw.	36	sw.	13	10	5	16	6.0	T	.0
Lansing	878	6	88	29.20	30.16	----	49.0	−1.3	79	13	59	27	7	39	31	44	41	83	.66	−1.8	8	6,569	sw.	29	w.	3	9	6	16	6.3	T	.0
Ludington	637	5	54	29.41	30.12	----	49.4	−.3	74	31	56	29	6	42	31	45	----	----	2.17	−.8	12	----	nw.	----	----	----	10	9	12	----	2.1	.0
Marquette	734	77	111	29.25	30.06	+.05	46.4	−.3	72	25	54	31	5	39	26	41	37	76	1.97	−.7	16	8,430	w.	34	sw.	9	5	10	16	7.0	6.9	.0
Sault Ste. Marie	614	11	52	29.40	30.10	+.09	45.6	+1.0	66	13	52	27	6	39	25	41	38	82	2.50	−1.2	15	6,489	se.	37	nw.	3	1	14	16	7.4	T	.0
Chicago	673	7	131	29.42	30.15	+.11	54.2	+.2	83	13	62	35	6	46	27	47	42	71	1.68	−.8	11	7,158	s.	27	nw.	3	13	7	11	5.1	T	.0
Green Bay	617	109	141	29.43	30.10	+.08	48.1	−.4	71	19	57	25	6	30	34	43	39	76	1.21	−1.3	9	7,910	s.	35	w.	3	7	7	17	6.7	T	.0
Milwaukee	681	97	221	29.39	30.13	+.10	51.8	+.7	78	13	59	31	6	44	28	45	40	71	1.37	−1.0	8	9,506	w.	32	nw.	3	13	7	11	5.0	T	.0
Duluth	1,133	5	47	28.81	30.04	+.04	43.4	−.7	70	18	52	21	31	35	36	38	35	78	2.65	+.3	11	9,518	nw.	50	nw.	3	5	9	17	7.0	1.6	T
North Dakota							43.4	−0.4										61	0.36	−0.8										5.0		
Moorhead, Minn	940	50	58	29.01	30.05	+.05	43.9	−.6	75	18	57	12	31	30	43	36	29	65	.95	−.7	3	7,694	s.	27	se.	15	10	8	13	5.7	4.2	1.9
Bismarck	1,674	8	57	28.23	30.04	+.05	44.4	−.5	83	15	59	8	31	30	48	35	26	55	T	−.9	0	7,001	nw.	30	se.	15	14	10	7	4.5	.2	T
Devils Lake	1,478	11	44	28.44	30.04	+.05	41.8	−.6	80	8	54	7	31	29	40	34	27	65	.35	−.9	5	7,648	sw.	30	nw.	2	7	10	14	6.2	.2	.2
Grand Forks	833	12	67	----	----	----	42.4	----	75	18	56	6	31	29	44	34	----	----	.14	----	3	----	nw.	38	se.	15	6	13	12	----	1.5	1.5
Williston	1,878	41	48	28.03	30.04	+.06	43.3	−.1	77	1	56	−1	31	30	44	35	26	60	.14	−.7	3	6,387	w.	27	w.	18	17	8	6	3.5	.7	.5
Upper Mississippi Valley							53.5	+0.2										73	2.71	+0.3										5.4		
Minneapolis	918	102	208	29.08	30.07	----	48.6	−.3	75	16	58	21	31	40	29	42	36	65	3.95	+1.9	10	8,276	s.	32	nw.	2	8	11	12	6.2	T	.0
La Crosse	714	11	48	29.33	30.11	+.09	49.8	−.5	80	16	61	22	6	39	37	44	40	77	3.83	+1.5	10	4,133	s.	19	sw.	31	8	10	13	5.8	T	.0
Madison	974	70	78	29.06	30.12	+.09	50.5	+.2	75	16	59	29	4	42	40	45	40	74	1.60	−.8	9	6,435	s.	21	nw.	3	9	8	14	5.7	T	.0
Charles City	1,015	10	51	29.04	30.13	+.11	48.8	+.2	81	16	60	18	6	37	40	42	38	76	3.39	+1.1	8	5,525	se.	22	w.	31	11	9	11	5.1	T	.0
Davenport	606	66	161	29.48	30.15	+.11	54.0	+.3	81	16	64	27	4	44	45	47	42	71	1.96	−.4	7	6,568	sw.	28	sw.	2	9	10	12	5.6	.0	.0
Des Moines	861	5	99	29.21	30.13	+.10	52.2	−1.2	84	16	63	26	6	41	39	46	41	72	3.11	+.6	10	6,742	se.	31	w.	31	14	4	13	5.2	T	.0
Dubuque	700	60	79	29.37	30.13	+.09	52.0	+.1	79	16	62	26	6	42	40	45	40	70	1.69	−.8	8	4,399	s.	20	nw.	31	10	9	12	5.5	.0	.0
Keokuk	614	64	78	29.49	30.18	+.13	54.5	−.9	82	16	64	29	4	44	44	48	43	71	1.66	−.6	7	5,082	s.	24	sw.	2	10	9	12	5.5	.0	.0
Cairo	358	87	93	29.76	30.15	+.08	61.6	+1.2	84	16	70	37	7	53	28	55	52	80	5.00	+2.2	14	5,208	se.	27	n.	23	7	11	13	5.7	.0	.0
Peoria	609	11	45	29.50	30.17	+.12	54.4	+2.4	85	13	66	25	6	43	44	47	44	77	1.59	−.7	8	4,496	s.	21	w.	31	16	6	9	4.3	.0	.0
Springfield, Ill	636	5	191	29.47	30.16	+.11	56.8	+1.0	85	13	67	30	6	47	38	50	45	73	2.13	−.4	9	7,434	s.	28	sw.	2	13	7	11	5.2	.0	.0
St. Louis	568	265	303	29.53	30.14	+.08	58.6	+.3	84	13	67	34	6	50	36	52	48	74	2.56	−.2	11	7,654	s.	36	sw.	31	13	5	13	5.4	.0	.0
Missouri Valley							53.2	−1.2										70	2.95	+0.7										5.5		
Columbia, Mo	784	6	84	29.29	30.13	+.08	56.5	−.1	84	16	66	27	24	47	43	----	----	----	3.81	+1.2	12	5,043	nw.	21	sw.	31	8	6	17	6.5	.0	.0
Kansas City [1]	750	32	45	29.30	30.12	+.08	56.2	−1.5	85	15	66	30	31	46	44	50	46	75	3.69	+.8	11	5,972	s.	34	nw.	31	7	9	15	6.3	.0	.0
St. Joseph	967	11	49	29.08	30.12	----	55.0	----	84	16	65	27	31	45	43	48	44	74	3.09	+.4	13	5,749	se.	26	nw.	31	12	7	12	5.5	.0	.0
Springfield, Mo	1,324	98	104	28.71	30.12	+.07	58.1	−.1	82	15	66	35	6	50	38	52	49	78	3.88	+.8	14	6,819	se.	29	s.	31	15	3	13	5.4	.0	.0
Iola	984	11	50	29.05	30.10	+.06	58.5	+.7	85	15	69	31	24	48	37	----	----	----	6.17	+3.2	12	----	se.	----	----	----	8	12	11	----	.0	.0
Topeka	987	65	87	----	----	----	56.2	−.8	85	15	66	28	31	46	41	----	----	----	4.38	+2.0	14	6,449	s.	26	sw.	31	8	14	9	5.7	.0	.0
Lincoln	1,189	11	81	28.82	30.10	+.07	51.9	−2.3	84	15	63	25	31	41	42	45	40	71	2.23	+.4	11	6,882	s.	27	nw.	2	9	11	11	5.5	.0	.0
Omaha	1,105	170	200	29.05	30.12	+.09	50.6	−3.7	82	15	61	26	31	40	36	45	41	75	3.14	+1.0	11	7,369	se.	34	se.	15	12	6	13	5.6	T	.0
Valentine	2,598	47	54	27.35	30.10	+.09	47.0	−2.3	82	15	62	9	31	32	47	38	29	57	.08	−1.0	4	6,726	w.	24	n.	9	15	9	7	5.3	.5	T
Sioux City	1,138	64	106	28.86	30.09	+.07	49.8	−1.1	79	15	61	21	31	39	38	42	36	67	1.67	−.1	7	7,177	s.	32	se.	29	11	4	16	5.7	T	T
Huron	1,306	60	74	28.67	30.08	+.07	46.8	−.9	81	15	61	12	31	33	46	38	29	59	.31	−1.0	4	7,617	se.	31	se.	15	19	5	7	3.6	1.7	.9
Northern Slope							45.4	+0.1										58	0.49	−0.5										4.5		
Billings	3,570	17	31	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Havre	2,505	11	67	27.39	30.05	+.07	45.6	+1.1	82	1	59	−5	30	33	46	34	25	55	.56	−.1	5	7,997	sw.	41	sw.	18	12	8	11	5.1	2.6	1.9
Helena	4,124	85	111	25.85	30.08	+.05	44.0	−.9	80	1	56	−8	30	32	51	36	27	57	.71	−.2	7	5,972	sw.	28	sw.	23	10	9	12	5.7	5.7	1.0
Kalispell	2,973	48	56	----	30.10	+.09	43.0	−.5	79	2	55	−4	31	31	43	----	----	70	.53	−.5	5	4,439	w.	28	n.	28	8	8	15	----	3.0	2.5
Miles City	2,371	48	55	27.51	30.09	+.09	46.7	+.2	80	1	61	1	31	33	43	37	27	55	.64	−.3	6	4,684	s.	26	nw.	8	15	11	5	4.0	1.2	.8
Rapid City	3,259	50	58	26.66	30.10	+.09	48.7	+.2	82	15	62	6	31	35	38	38	27	52	.33	−.6	4	6,080	w.	30	nw.	20	15	12	4	3.5	3.1	.8
Cheyenne	6,094	50	71	23.99	30.05	+.04	44.7	−.1	77	1	59	2	31	30	43	35	27	58	.26	−.7	5	7,980	nw.	42	nw.	27	12	13	6	4.6	2.7	.2
Lander	5,372	60	68	24.68	30.06	+.02	45.8	+2.3	78	4	61	12	30	30	48	35	24	52	.29	−1.1	4	3,887	sw.	35	sw.	15	12	11	8	4.5	1.0	.0
Sheridan	3,790	10	47	26.14	30.08	----	44.5	----	82	1	61	6	30	28	49	34	26	62	.58	−.5	5	3,664	nw.	25	nw.	19	16	10	5	4.0	5.0	.8
Yellowstone Park	6,241	11	48	23.94	30.12	+.10	39.9	−1.6	75	1	53	−2	31	27	43	31	23	60	.80	−.6	6	4,966	sw.	30	sw.	28	11	9	11	5.4	7.7	2.5
North Platte	2,821	11	51	27.13	30.08	+.06	49.9	+.2	86	15	65	16	31	35	45	40	32	62	.22	−.8	2	5,324	s.	24	s.	15	15	9	7	4.0	T	.0

[1] Observations taken at airport.

TABLE 1.—*Climatological data for Weather Bureau Stations, October 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.
Middle Slope							56.1	+0.2										66	2.10	+0.4										4.9		
Denver	5,292	106	113	24.77	30.03	+0.02	52.3	+1.1	81	15	64	18	31	40	45	41	31	54	1.36	+0.3	9	5,595	s.	25	n.	21	11	15	5	4.7	6.8	0.0
Pueblo	4,685	80	86	25.34	30.02	+.03	54.0	+2.0	83	3	68	25	31	40	42	42	30	47	.76	+.1	6	5,025	e.	31	nw	12	19	9	3	3.5	5.5	.0
Concordia	1,392	50	58	28.63	30.13	+.10	53.4	−2.5	84	12	63	27	31	44	30	47	44	77	2.14	+.2	9	5,933	s.	28	nw.	20	10	9	12	5.4	.0	.0
Dodge City	2,509	10	86	27.47	30.08	+.06	56.8	+.7	87	12	69	27	31	45	40	48	43	70	1.09	−.2	8	8,894	s.	32	s.	29	18	4	9	3.8	.0	.0
Wichita	1,358	85	93	28.64	30.08	+.05	57.4	−1.2	86	15	66	32	31	48	36	51	46	71	4.41	+1.8	10	8,093	s.	38	s.	30	9	9	13	5.8	.0	.0
Oklahoma City	1,214	10	47	28.79	30.07	+.04	62.6	+1.1	88	2	72	37	23	53	35	56	53	78	2.84	.0	12	7,483	s.	26	s.	12	9	6	16	6.5	.0	.0
Southern Slope							66.0	+2.9										64	1.02	−0.8										4.3		
Abilene	1,738	10	52	28.24	30.04	+.03	68.0	+2.6	92	13	79	38	23	57	34	58	54	71	2.25	−.2	5	7,315	s.	27	sw.	9	14	9	8	4.5	.0	.0
Amarillo	3,676	10	49	26.33	30.03	+.03	61.8	+4.1	89	2	74	32	23	49	35	50	41	58	.87	−.8	6	7,066	s.	23	se.	30	16	6	9	4.3	T	.0
Del Rio	944	64	71	29.00	29.98	.00	72.3	+2.3	91	1	82	44	24	63	34	64	60	75	.91	−.9	5	6,753	se.	24	n.	23	12	9	10	5.1	.0	.0
Roswell	3,566	75	85	26.42	30.01	+.05	62.1	+2.6	89	2	76	34	25	48	42	49	39	52	.05	−1.4	2	5,455	s.	26	sw.	30	19	6	6	3.3	T	.0
Southern Plateau							61.5	+1.5										46	0.32	−0.3										3.1		
El Paso	3,778	152	175	26.22	29.97	+.05	67.1	+3.6	91	5	79	37	24	55	35	52	40	46	.14	−.7	2	5,382	e.	30	e.	23	22	4	5	2.6	.0	.0
Albuquerque	4,972	5	39	25.10	29.97	------	56.6	------	84	2	72	22	25	41	41	43	32	49	.26	−.6	4	6,534	n.	40	s.	30	21	6	4	2.8	T	.0
Santa Fe	7,013	38	53	23.32	30.00	+.04	51.5	+1.1	76	3	63	23	25	40	32	40	32	53	.58	−.6	5	4,634	e.	18	s.	19	22	7	2	2.7	1.2	.0
Flagstaff	6,907	10	59	23.39	29.95	+.03	47.3	+2.6	74	1	63	7	31	31	46	36	----	51	.10	------	1	7,068	sw.	32	sw.	30	17	12	2	----	.0	.0
Phoenix	1,108	10	107	28.75	29.89	+.01	72.6	+2.0	99	2	88	40	31	57	41	54	39	36	.13	−.3	1	3,944	e.	21	sw.	30	23	6	2	1.8	.0	.0
Yuma	141	9	54	29.75	29.90	+.03	73.1	−.2	98	6	88	47	26	58	40	57	44	40	.00	−.3	0	4,587	n.	25	n.	17	28	3	0	5.8	.0	.0
Independence	3,957	5	26	26.00	30.02	+.07	57.2	+.3	82	9	72	23	31	42	43	43	----	----	.84	+.5	3	------	n.	----	------	----	28	1	2	----	.0	.0
Middle Plateau							50.3	0.0										45	0.16	−0.7										2.6		
Reno	4,527	61	76	25.54	30.07	+.08	49.9	+.2	82	9	65	19	24	35	43	39	28	50	.06	−.3	2	4,861	w.	24	se.	14	23	6	2	2.2	T	.0
Tonopah	6,090	12	20	------	------	------	49.6	------	73	10	60	18	23	40	27	37	22	35	.17	------	2	------	nw.	----	------	----	----	----	----	----	----	----
Winnemucca	4,344	18	56	25.69	30.10	+.05	47.2	−1.1	87	1	66	11	24	29	53	36	26	54	.43	−.2	6	5,158	sw.	34	nw.	28	17	8	6	3.2	1.6	.0
Modena	5,473	10	46	24.65	29.99	+.03	48.2	+.2	81	2	66	7	31	31	46	36	20	39	.03	−.7	1	7,684	sw.	41	s.	29	27	4	0	1.4	T	.0
Salt Lake City	4,537	86	210	25.77	30.02	+.01	51.4	−1.1	86	2	66	18	31	37	40	40	29	47	.17	−1.3	5	7,027	se.	47	sw.	15	17	11	3	3.0	.2	.0
Grand Junction	4,602	60	68	25.42	29.99	.00	54.8	+2.0	83	3	68	24	22	42	36	41	28	43	.13	−.8	3	4,946	se.	30	s.	29	20	6	5	3.2	.8	.0
Northern Plateau							49.6	0.0										56	0.77	−0.4										5.0		
Baker	3,471	48	53	26.52	30.13	+.05	46.4	−.2	82	1	61	14	30	32	45	38	28	56	.40	−.5	8	4,522	se.	25	sw.	2	13	9	9	4.9	3.6	.8
Boise	2,739	79	87	27.22	30.10	+.04	51.9	+.8	85	2	64	22	30	39	35	42	31	49	.49	−.8	4	3,760	se.	27	nw.	28	14	10	7	4.1	2.1	T
Pocatello	4,477	60	68	25.52	30.05	+.01	49.2	+.8	82	2	62	19	31	37	38	38	27	48	1.09	−.1	8	6,040	se.	27	sw.	12	15	8	8	4.2	.5	T
Spokane	1,929	101	110	28.04	30.11	+.05	47.0	−1.3	85	2	58	9	31	36	42	41	34	64	.96	−.2	9	4,089	s.	18	sw.	12	8	9	14	5.9	.3	.0
Walla Walla	991	57	65	29.01	30.09	+.02	53.2	−.3	84	1	63	15	31	43	33	45	38	59	1.26	−.3	10	3,477	s.	16	sw	28	13	6	12	5.3	1.5	T
Yakima	1,076	58	67	28.94	30.10	------	50.1	−.1	88	2	62	21	31	38	38	43	36	61	.44	−.2	5	3,557	nw.	21	nw.	28	10	10	11	5.4	.5	T
North Pacific Coast Region							52.0	−0.5										79	3.67	−0.2										6.4		
North Head	211	11	56	29.88	30.11	+.06	51.3	−1.6	70	1	56	27	31	47	19	49	46	86	3.49	−1.5	18	8,168	n.	48	nw.	28	5	11	15	6.6	.3	.0
Seattle	125	90	321	29.97	30.10	+.05	51.4	.0	76	2	58	30	31	45	25	48	44	77	3.44	+.6	12	5,696	n.	31	sw.	12	6	10	15	6.6	T	.0
Tatoosh Island	86	10	54	30.00	30.10	+.09	49.8	−.1	64	1	53	33	30	46	19	47	44	84	5.66	−2.5	11	9,713	e.	42	s.	17	5	10	16	6.9	.0	.0
Medford	1,329	29	58	28.68	30.01	------	52.8	------	93	1	66	27	24	40	50	47	42	73	2.20	+.9	14	3,266	nw.	29	se.	2	12	8	11	4.9	T	.0
Portland, Oreg.	153	68	106	29.95	30.11	+.05	53.3	−.9	81	1	60	29	30	46	29	49	46	78	3.20	+.1	12	3,978	nw.	21	ne.	31	6	8	17	6.7	.6	.0
Roseburg	510	45	76	29.56	30.12	+.04	54.0	+.1	93	1	64	33	25	44	48	49	45	76	4.05	+1.4	13	2,639	n.	21	sw.	14	7	7	17	6.7	.6	.0
Middle Pacific Coast Region							58.7	−0.3										64	1.89	+0.4										3.5		
Eureka	62	73	89	30.04	30.11	+.05	52.6	−1.0	73	7	59	34	31	46	28	50	47	86	3.02	+.7	11	4,720	n.	28	n.	28	13	4	14	5.5	.0	.0
Redding	722	20	34	------	------	------	63.2	------	92	8	74	29	30	52	36	50	37	45	1.88	------	4	6,252	nw.	28	nw.	20	19	2	10	3.4	.0	.0
Sacramento	66	92	115	29.95	30.02	+.03	62.4	−.5	88	7	75	34	30	50	35	52	43	56	1.22	+.3	4	4,833	s.	29	nw.	22	24	6	1	1.8	.0	.0
San Francisco	155	208	243	29.87	30.04	+.03	61.0	+.5	80	18	68	43	31	54	27	53	47	70	1.44	+.3	5	5,018	w.	30	ne.	22	16	12	3	3.2	.0	.0
South Pacific Coast Region							64.8	+0.4										60	0.42	−0.2										3.0		
Fresno	327	97	105	29.66	30.02	+.06	63.2	−.8	92	10	76	35	31	50	35	54	45	56	1.17	+.6	3	4,006	nw.	32	se.	1	24	4	3	1.7	.0	.0
Los Angeles	338	159	191	29.62	29.98	+.03	67.0	+1.7	92	27	76	48	31	58	28	55	46	58	.05	−.6	1	4,228	sw.	16	nw.	15	16	11	4	3.2	.0	.0
San Diego	87	62	70	29.88	29.97	+.02	64.1	+.4	84	10	71	48	31	57	30	56	50	67	.05	−.5	3	4,373	nw.	17	w.	2	16	8	7	4.0	.0	.0
West Indies																																
San Juan P. R.	82	9	54	29.83	29.91	------	79.0	−.8	87	21	84	72	27	74	14	----	----	----	6.11	+.2	19	6,875	e.	27	ne.	27	4	20	7	6.1	.0	.0
Panama Canal																																
Balboa Heights	118	6	92	------	[2] 29.81	−.01	79.3	+.1	90	11	85	72	24	74	16	----	----	[2] 88	10.73	+.6	23	4,495	s.	23	s.	25	0	19	12	7.1	.0	.0
Cristobal	36	6	97	------	[2] 29.81	−.01	81.4	+1.6	91	25	87	74	30	76	16	76	74	[2] 83	8.90	−6.6	17	4,072	se.	24	sw.	22	5	9	17	7.0	.0	.0
Alaska																																
Fairbanks	454	11	87	------	[3] 30.02	------	24.1	------	64	2	30	−28	26	18	25	----	----	77	3.40	------	20	4,092	ne.	22	sw.	29	3	4	24	----	26.2	17.8
Juneau	80	96	116	[3] 29.92	[3] 30.01	------	39.4	------	58	1	45	14	27	34	19	37	33	77	5.91	------	15	4,703	w.	28	se.	22	10	3	18	6.5	8.6	2.0
Hawaiian Islands																																
Honolulu	38	86	100	[3] 29.90	[3] 29.94	------	77.5	+.7	86	20	83	66	28	72	13	71	68	75	2.01	+.5	10	5,170	ne.	24	s.	14	7	16	8	5.4	.0	.0

[2] Observations taken bihourly.

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

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

Station	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 of the air: Departure from normal	Temperature of the air: Mean maximum	Temperature of the air: Mean minimum	Temperature of the air: Highest	Temperature of the air: 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				44.9		50.8	39.1	59	28	6.21		0.0
Sydney, Cape Breton Island	48												
Halifax, Nova Scotia	88												
Yarmouth, Nova Scotia	65												
Charlottetown, Prince Edward Island	38												
Chatham, New Brunswick	28												
Father Point, Quebec	20												
Quebec, Quebec	296	29.79	30.12	+0.12	44.0	+1.6	50.6	37.5	62	29	3.28	+.13	.4
Doucet, Quebec	1,236				38.9		47.4	30.4	65	12	3.80		6.9
Montreal, Quebec	187												
Ottawa, Ontario	236												
Kingston, Ontario	285	29.82	30.13	+.10	50.0	+3.0	57.6	42.4	71	26	1.83	−.90	.0
Toronto, Ontario	379	29.74	30.15	+.11	50.2	+3.6	59.2	41.1	79	27	1.57	−.79	T
Cochrane, Ontario	930												
White River, Ontario	1,244	28.70	30.03	+.05	38.5	+1.4	46.5	30.5	65	10	4.46	+2.11	14.6
London, Ontario	808				47.8		58.3	37.2	73	23	1.60		T
Southampton, Ontario	656	29.41	30.13	+.11	47.9	+1.8	56.8	39.0	76	26	2.65	−.52	.0
Parry Sound, Ontario	688	29.41	30.11	+.10	46.7	+2.8	54.8	38.7	68	27	3.53	−.39	.3
Port Arthur, Ontario	644	29.35	30.06	+.08	43.7	+3.8	51.1	36.4	74	25	2.17	−.39	T
Winnipeg, Manitoba	760												
Minnedosa, Manitoba	1,690	28.17	30.03	+.06	37.7	−.1	48.6	26.8	76	8	1.35	+.15	12.0
Le Pas, Manitoba	860		30.02		35.1		43.5	26.8	68	−2	1.99		12.0
Qu'Appelle, Saskatchewan	2,115												
Moose Jaw, Saskatchewan	1,759												
Swift Current, Saskatchewan	2,392												
Medicine Hat, Alberta	2,365												
Calgary, Alberta	3,540	26.34	30.06	+.11	38.8	−1.3	49.8	27.8	74	−2	1.83	+1.35	16.3
Banff, Alberta	4,521												
Prince Albert, Saskatchewan	1,450												
Battleford, Saskatchewan	1,592												
Edmonton, Alberta	2,150												
Kamloops, British Columbia	1,262												
Victoria, British Columbia	230												
Barkerville, British Columbia	4,180												
Estevan Point, British Columbia	20												
Prince Rupert, British Columbia	170												
Hamilton, Bermuda	151	29.91	30.07	+.05	74.4	+1.4	79.2	69.5	87	62	6.23	−.48	.0
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Montreal, Quebec	187	29.81	30.01	−0.03	56.5	−1.9	63.4	49.6	78	36	5.54	+2.24	0.0
Ottawa, Ontario	236	29.75	30.02	−.02	53.8	−3.6	64.7	43.0	82	29	2.97	+.28	.0
Cochrane, Ontario	930				48.6		57.2	40.0	81	29	5.03		7.4
Southampton, Ontario	656	29.31	30.02	−.03	55.7	−1.8	64.9	46.6	85	30	2.82	−.12	.0
Parry Sound, Ontario	688	29.31	30.00	−.03	54.8	−1.2	63.2	46.5	82	29	3.60	−.07	.0
Kamloops, British Columbia	1,262	28.68	29.96	−.01	60.9	+3.5	75.3	46.6	92	32	.20	−.65	.0
Victoria, British Columbia	230	29.75	30.00	−.01	57.7	+2.9	65.0	50.4	79	55	1.18	−.98	.0
Estevan Point, British Columbia	20				54.4		60.5	48.3	74	40	3.96		.0
Prince Rupert, British Columbia	170				52.9		58.4	47.4	70	39	6.21		.0

SEVERE LOCAL STORMS, OCTOBER 1935

[Compiled by Mary O. Souder, from reports by Weather Bureau officials]

[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
Duluth, Minn.	3					Wind	High winds caused some property damage.
Buffalo, N. Y., and vicinity	3					Gale	This storm one of much severity for early October; maximum wind velocity of 56 miles an hour occurred at 3:36 p. m., and the extreme velocity of 63 miles at 4:01 p. m.; several trees and wires blown down; automobile traffic considerably impeded.
Kenton, Okla.	8	3:27-3:56 p. m.	[1] 4			Heavy hail	Only slight damage to crops due to the lateness of the season and location of the area covered; path 12 miles long.
Amery, Wis., vicinity of	16	5:30 p. m.	67	0	$4,500	Tornado	Barns and small buildings destroyed on 2 farms; path 330 yards long.
Minneapolis, Minn., and vicinity.	16			1		Electrical	Some damage to property in the Twin Cities; school building and public library in St. Paul and a church and store in Minneapolis struck by lightning; in Hopkins 1 person was killed; property damage small.
Waurika, Okla.	20	4 p. m.	[1] 5		4,000	Hail	Open cotton damaged to some extent; loss to other property estimated at $4,000; path 15 miles long.
Cairo, Ill.	22	8 a. m.			1,000	Thundersquall	In the Cairo drainage district, separated from Cairo proper by a high railroad embankment, roof of large industrial plant was damaged; several telephone and electric poles blown down; 2 poorly-constructed houses lifted from their foundations.
Labette County, Kans.	27	11-12 p. m.	[1] 4		5,000	Heavy hail	Heaviest hail fell 5 to 8 miles east of Parsons; damage mostly to apples and grain sorghum crops; path 10 miles long.
Seattle, Wash.	29	P. m.			10,000	Wind	Boathouse and ferry landing wrecked; few telephone and electric wires blown down; small fishing boats beached.
Detroit, Mich.	29-30	do				Dense fog	Fog severe during night delayed all forms of transportation; flying completely disrupted; several freighters went aground in the lower channel next to Lake Erie; Detroit River closed to navigation by the Coast Guard; river also closed on the morning of the 31st, during hours of dense fog, to prevent accidents.
Buffalo and portions of western New York.	30-31	do				do	Dense ground fog was quite general; airplane traffic at standstill; automobile traffic considerably delayed.
New York State, central portion.	30-31					Heavy rains	Cellars and lowlands flooded; some damage to construction work and temporary bridges.

[1] Miles instead of yards.