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.

TABLE I.—*Condensed climatological summary of temperature and precipitation by sections, November 1939*

[For description of tables and charts, see REVIEW, January, p. 29]

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	52.4	−2.0	Robertsdale	85	11	5 stations	22	[1] 2	0.85	−2.56	Falkville	2.65	Wadley	0.00
Arizona	53.2	+2.5	2 stations	93	1	Snowflake	9	23	1.20	+.21	Crown King	3.45	Yuma	.19
Arkansas	48.8	−2.5	do	87	[1] 8	2 stations	14	[1] 5	3.36	−.38	Texarkana	6.81	Blytheville	.98
California	53.5	+1.2	El Centro	95	1	Tamarack	2	29	.43	−1.93	Mill Creek No. 2	2.39	9 stations	.00
Colorado	37.7	+2.5	Palsiade	79	3	Dillon	−7	19	.26	−.52	Westcliffe	1.12	12 stations	.00
Florida	62.9	−2.1	Eustis	90	12	2 stations	24	[1] 28	1.35	−.84	Chapman Field Garden.	3.68	2 stations	T
Georgia	52.6	−1.9	Moultrie	86	11	Blairsville	18	27	.82	−1.79	Fargo	2.76	Taylorsville	.10
Idaho	38.3	+2.8	Oakley	73	24	2 stations	3	17	.33	−1.70	Prichard	2.30	13 stations	.00
Illinois	41.9	−.2	5 stations	73	[1] 9	Mt. Carroll	15	28	1.32	−1.26	Waterloo	2.82	Morrison	.14
Indiana	41.0	−1.3	2 stations	75	[1] 15	Farmland	13	5	1.45	−1.58	Hobart	2.36	Veedersburg	.70
Iowa	39.9	+3.6	4 stations	74	[1] 9	Sibley	9	27	.51	−1.09	Keokuk	1.70	12 stations	T
Kansas	44.3	+1.1	Sedan	80	7	2 stations	4	3	.83	−.44	Pittsburg	2.87	4 stations	.00
Kentucky	43.6	−2.8	Quicksand	79	10	Annville	14	27	1.16	−2.23	Lovelaceville	2.75	Louisa	.26
Louisiana	56.6	−2.2	Elizabeth	85	10	do	20	5	3.41	−.41	Houma	11.83	Bogalusa	.61
Maryland-Delaware	43.5	−1.6	Great Falls, Md	75	18	Sines, Md	12	29	1.30	−1.16	Cumberland, Md	2.63	Aberdeen, Md	.33
Michigan	36.2	+.1	2 stations	68	[1] 16	Vanderbilt (near)	5	26	.82	−1.69	Mancelona	3.72	Channing	.14
Minnesota	35.4	+5.8	Marshall	75	16	2 stations	0	10	.06	−1.08	Park Rapids	.60	3 stations	.00
Mississippi	52.2	−2.9	Columbia	84	10	do	17	[1] 5	1.50	−2.08	Cleveland	3.97	Waynesboro	.19
Missouri	43.5	−.9	Jefferson City	78	9	3 stations	12	[1] 4	2.58	−.09	Warrenton	4.87	Tarkio	.85
Montana	37.9	+5.7	Melstone	74	3	2 stations	−2	[1] 17	.23	−.78	Belton	1.57	16 stations	.00
Nebraska	40.7	+3.4	Albion	79	13	Nenzel (near)	0	2	.04	−.71	Falls City	1.31	70 stations	.00
Nevada	43.0	+3.1	Beatty	85	2	Wells	1	18	.30	−.33	Charleston Ranger Station.	1.73	4 stations	.00
New England	34.9	−3.1	Norwalk, Conn	66	18	Bangor, Maine	−1	26	1.06	−2.36	Falmouth, Mass	2.94	Durham, N. H	.15
New Jersey	41.5	−2.1	Bridgeton	78	16	Layton	12	26	1.86	−1.32	Moorestown	3.63	Phillipsburg	.84
New Mexico	41.9	−.5	Birmingham Ranch.	89	24	Eagle Nest	−4	20	.62	−.02	Frijoles Canyon	1.79	2 stations	.00
New York	35.0	−3.0	2 stations	72	10	McKeever	−5	14	1.59	−1.39	Gabriels	3.16	do	.46
North Carolina	46.9	−3.0	Beaufort	82	12	Mt. Mitchell	13	6	1.90	−.75	Hatteras	5.76	Hot Springs	.65
North Dakota	34.9	+8.2	Wahpeton	74	13	Parshall	−4	10	.03	−.56	2 stations	.14	18 stations	.00
Ohio	40.3	−1.1	2 stations	75	10	McArthur	15	[1] 27	.97	−1.72	London (near)	1.95	McConnelsville	.23
Oklahoma	48.4	−1.3	Sulphur	86	8	4 stations	10	[1] 3	1.46	−.54	Idabel	4.66	Goodwell	T
Oregon	41.2	+.8	Elkton	79	1	Seneca	−3	27	.52	−3.13	McNamurs	5.90	6 stations	.00
Pennsylvania	39.7	−1.6	3 stations	76	10	3 stations	11	[1] 4	.97	−1.87	Stroudsburg	3.20	Bloserville	.23
South Carolina	50.4	−3.4	Conway	84	11	Longcreek (near)	20	6	1.07	−1.25	McColl	2.04	Calhoun Falls	.16
South Dakota	39.0	+5.8	Wagner	78	14	Ottumwa	2	2	.01	−.61	Hardy Ranger Station.	.15	40 stations	.00
Tennessee	45.8	−2.7	Halls	80	10	3 stations	15	[1] 5	1.58	−1.96	Union City	1.86	Celina	.42
Texas	54.1	−3.0	2 stations	90	10	Muleshoe	11	26	2.01	−.17	Marshall	7.03	3 stations	T
Utah	40.7	+3.2	do	82	3	Woodruff	−4	18	.14	−.79	Orderville	.94	8 stations	.00
Virginia	44.1	−2.4	Diamond Springs	77	[1] 17	Burkes Garden	13	29	2.19	−.23	Big Meadows	5.57	Mendota	.51
Washington	42.2	+2.9	2 stations	73	[1] 21	Benton City	12	[1] 28	2.60	−2.42	Clearwater	19.36	3 stations	.00
West Virginia	40.8	−2.4	do	80	[1] 10	2 stations	10	[1] 27	.96	−1.77	Knobly Mountain	3.18	Brownsville	.38
Wisconsin	35.7	+2.3	Sheboygan	70	17	Willow Reservoir	6	28	.36	−1.46	Lancaster	1.50	3 stations	T
Wyoming	35.0	+3.4	Yoder	82	11	Big Piney	−8	26	.01	−.69	Dome Lake	.19	64 stations	.00
Alaska (October)	27.4	−2.8	Latouche	66	3	2 stations	−11	[1] 16	4.65	+1.10	Little Port Walter	38.08	Barrow	.23
Hawaii	71.0	−.7	Mana (Kauai)	90	22	Kanalohuluhulu	43	18	8.48	+.41	Kakai	50.00	Lahaina	.17
Puerto Rico	77.0	+.6	Dos Bocas	96	13	Garzas	58	15	8.05	+.92	La Mina (El Yanque)	27.24	Central San Francisco	1.45

[1] Other dates also.

TABLE 2.—*Climatological data for Weather Bureau stations, November 1939*

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 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							38.0	−1.5										69	1.13	−2.1										4.6		
Eastport	75	67	85	29.96	30.04	+0.03	35.1	−1.6	56	1	41	19	14	29	25	32	28	77	2.53	−0.8	5	12.5	w.	38	s.	1	12	4	14	5.3	1.8	0.2
Greenville, Maine	1,069	4	41																													
Portland, Maine	103	82	117	29.98	30.11	+.10	37.0	−1.0	57	8	44	21	14	30	23	31	23	60	.56	−2.9	3	8.4	n.	35	ne.	5	22	5	3	2.6	.5	.0
Concord	288	54	72	29.81	30.13	+.07	36.4	−1.3	57	30	46	15	26	27	36				.50	−2.6	4	6.8	nw.	21	nw.	9	14	11	5	3.8	1.0	.0
Burlington	403	11	48	29.70	30.16	+.11	32.1	−4.2	51	10	39	11	26	25	31	28	23	73	.92	−1.7	5	8.0	nw.	32	s.	10	5	8	17	6.7	1.4	.0
Northfield	876	12	60	29.18	30.16	+.11	30.5	−2.3	54	11	41	5	26	20	38	24	20	74	.83	−2.1	7	7.1	n.	30	sw.	8	7	13	10	5.8	2.9	.0
Boston [1]	29	33	62	30.08	30.11	+.06	40.8	−1.2	61	16	48	21	14	33	26	33	25	58	1.14	−2.2	2	12.8	w.	56	ne.	5	13	9	8	4.8	1.0	.0
Nantucket	12	14	90	30.08	30.10	+.05	42.9	−1.5	59	8	48	25	14	38	21	39	35	75	1.19	−2.0	3	17.7	w.	45	sw.	5	11	12	7	5.2	T	.0
Block Island	26	11	46	30.08	30.11	+.05	42.3	−2.3	57	8	48	24	14	37	22	38	32	68	.92	−2.7	2	20.1	nw.	56	w.	5	18	5	7	3.6	T	.0
Providence	159	215	251	30.06	30.14	+.07	40.2	−.2	61	16	48	21	14	32	27	33	27	67	.76	−2.3	2	12.6	nw.	40	nw.	5	17	6	7	3.9	T	.0
Hartford	159	66	100	30.02	30.14	+.06	39.8	+.3	63	18	48	21	14	32	33	31	26	71	1.43	−2.1	1	10.2	n.	31	nw.	9	15	8	7	4.7	T	.0
New Haven	106	74	153	30.14	30.16	+.09	40.8	−1.2	64	18	49	22	14	33	32	33	26	65	1.70	−1.6	2	10.1	n.	40	n.	5	18	7	5	4.1	T	.0
Middle Atlantic States							43.8	−1.1										65	1.45	−1.1										4.8		
Albany [1]	292	26	40	29.84	30.16	+.08	35.2	−4.1	59	16	44	14	15	27	37	29	24	70	1.69	−1.0	4	10.0	nw.	33	nw.	13	11	8	11	5.3	1.0	.0
Binghamton	871	57	79	29.25	30.21	+.12	36.4	−2.3	66	10	45	18	26	28	39	31	26	71	.46	−1.9	7	6.4	nw.	25	nw.	9	4	14	12	6.4	.9	.0
New York	314	415	454	29.81	30.16	+.07	43.2	−1.0	65	18	50	28	14	36	27	36	26	53	1.47	−1.5	2	15.7	nw.	53	nw.	9	13	9	8	4.6	T	.0
Harrisburg [1]	351	30	49	29.83	30.22	+.11	42.8	.0	69	18	52	25	24	34	42	36	29	63	.53	−1.7	6	8.1	w.	28	sw.	10	13	9	8	4.4	T	.0
Philadelphia	114	174	367	30.06	30.19	+.09	44.9	−.8	70	18	52	33	20	38	31	37	29	59	1.26	−1.4	3	13.7	nw.	35	ne.	5	13	10	7	4.5	.4	.0
Reading	323	283	306	29.84	30.21		43.8	+1.3	68	18	52	28	26	36	32	35	25	51	.59	−2.1	1	11.5	nw.	38	nw.	6	15	9	6	4.1	T	.0
Scranton	805	72	104	29.31	30.20	+.11	38.4	−2.1	62	16	46	22	24	31	34	33	27	68	.46	−2.3	3	6.8	nw.	30	nw.	9	12	11	7	4.9	.6	.0
Atlantic City	52	37	172	30.12	30.18	+.08	45.5	−.1	68	18	53	30	15	38	25	39	34	68	2.17	−.6	3	17.4	w.	45	ne.	20	13	8	9	4.9	T	.0
Sandy Hook	22	10	57	30.14	30.16		43.2	−2.6	62	18	49	30	14	38	24	37	31	65	1.33	−1.9	2	17.0	w.	47	ne.	5	13	8	9	4.6	T	.0
Trenton	190	89	107	29.97	30.18		42.4	−2.0	68	18	50	29	4	35	32	36	28	61	1.59	−1.1	3	9.3	nw.	27	ne.	5	9	13	8	5.0	T	.0
Baltimore [2]	123	100	215	30.20	30.21	+.10	47.4	+1.1	72	18	55	33	4	40	32	37	32	69	.76	−1.8	4	10.4	n.	34	sw.	8	14	9	7	4.1	T	.0
Washington	112	62	85	30.09	30.22	+.10	46.0	+.8	72	16	55	30	26	37	39	38	31	63	1.40	−1.0	6	7.1	nw.	22	nw.	11	14	7	9	4.6	.4	.0
Cape Henry	18	8	54	30.16	30.18		49.4	−2.7	72	16	56	35	9	43	30	44	39	72	2.81	+.4	7	15.1	n.	38	ne.	20	16	2	12	4.6	.0	.0
Lynchburg	686	144	184	29.49	30.25	+.12	47.2	.0	74	18	57	29	26	37	41	38	30	60	1.89	−.4	6	7.3	nw.	22	ne.	20	13	7	10	4.5	1.2	.0
Norfolk	91	80	125	30.10	30.20	+.09	50.0	−1.4	73	17	57	35	27	43	29	43	37	69	3.14	+1.0	7	10.4	n.	32	ne.	20	14	5	11	4.9	.0	.0
Richmond [2]	144	11	52	30.04	30.22	+.10	46.6	−1.7	74	16	57	29	27	36	35	37	33	76	2.41	+.2	6	8.0	ne.	23	n.	5	15	4	11	4.4	T	.0
Wytheville	2,304	49	55	27.80	30.26	+.13	41.6	−1.4	66	10	51	23	29	32	38	34	28	68	.71	−1.4	7	6.2	w.	20	w.	11	11	5	14	5.6	2.2	.0
South Atlantic States							52.3	−1.8										74	1.51	−0.9										4.7		
Asheville	2,253	89	104	27.87	30.29	+.15	44.6	−.5	69	17	56	26	27	34	40	37	31	70	.77	−1.5	7	6.9	nw.	22	s.	10	10	7	13	5.6	.3	.0
Charlotte [2]	779	63	86	29.40	30.24	+.11	49.4	−1.2	75	17	60	31	27	39	33	40	34	70	1.09	−1.5	8	6.4	ne.	18	n.	5	15	3	12	5.0	.0	.0
Greensboro [1]	886	6	56	29.28	30.25		45.1		73	17	57	22	27	33	45	37	33	75	1.64		7	7.5	ne.	20	nw.	5	14	6	10	4.6	T	.0
Hatteras	11	5	50	30.16	30.17	+.06	53.3	−3.0	68	18	59	40	27	48	23	49	46	81	5.76	+2.3	7	14.7	n.	34	nw.	25	16	4	10	4.3	.0	.0
Raleigh [2]	376	103	146	29.83	30.22	+.09	49.6	−1.4	74	17	58	30	26	41	30	40	34	70	1.75	−.5	7	9.2	n.	27	nw.	5	12	9	9	4.3	.0	.0
Wilmington	72	73	107	30.13	30.21	+.09	52.0	−4.0	75	11	62	29	27	42	29	45	40	74	.79	−1.2	3	7.8	n.	22	nw.	5	17	4	9	4.1	.0	.0
Charleston	48	11	92	30.16	30.21	+.09	55.0	−3.1	77	11	63	34	27	47	23	43	41	84	1.91	−.2	2	9.3	n.	26	nw.	5	13	7	10	4.7	.0	.0
Columbia, S. C.	347	70	91	29.99	30.24	+.12	51.8	−2.2	76	16	63	28	27	41	36	42	36	72	.90	−1.1	6	6.8	ne.	18	sw.	8	14	4	12	4.6	T	.0
Greenville, S. C.	1,040	70	78	29.12	30.24		49.9	+.3	74	11	60	33	6	40	32	42	35	64	.42	−2.8	7	5.6	ne.	25	w.	8	14	3	13	5.0	.0	.0
Augusta [2]	182	62	77	29.76	30.22	+.09	52.4	−2.1	78	11	64	30	27	40	38	43	36	65	.46	−1.9	6	4.5	nw.	13	nw.	5	14	5	11	4.8	.0	.0
Savannah [2]	65	73	152	30.15	30.21	+.09	57.3	−1.2	82	11	68	35	27	47	30	46	44	86	.67	−1.4	3	8.8	ne.	18	n.	5	13	8	9	4.7	.0	.0
Jacksonville	43	86	110	30.13	30.17	+.07	60.3	−1.9	80	12	70	37	28	51	33	53	50	81	2.05	+.1	4	7.5	ne.	21	ne.	3	12	7	11	5.1	.0	.0
Florida Peninsula							69.4	−1.6										77	1.36	−0.9										4.9		
Key West [2]	21	10	64	30.04	30.05	+.03	72.4	−1.9	84	19	77	53	25	68	19	66	64	79	.13	−2.1	4	12.3	ne.	25	n.	23	14	5	11	4.6	.0	.0
Miami	25	124	168	30.04	30.07	+.01	70.8	−1.0	82	19	77	50	28	65	23	64	61	75	3.62	+.7	10	12.8	ne.	33	ne.	14	6	13	11	6.1	.0	.0
Tampa [2]	35	88	197	30.11	30.12	+.04	64.9	−2.0	84	12	74	43	28	56	26	57	54	76	.33	−1.4	2	13.1	n.	30	n.	23	14	9	7	4.1	.0	.0
East Gulf States							54.9	−1.6										74	1.38	−1.9										4.5		
Atlanta [1]	976	5	72	29.18	30.23	+.10	50.2	−1.9	74	8	61	30	24	39	34	42	37	72	.41		7	7.3	nw.	21	nw.	8	13	5	12	4.7	.0	.0
Macon [2]	370	79	87	29.70	30.21	+.08	52.5	−1.7	77	8	65	32	27	40	38	44	39	72	.78	−1.7	3	5.8	n.	15	n.	5	11	9	10	5.0	.0	.0
Thomasville	273	49	58	29.91	30.21	+.09	57.7	−.8	82	11	70	34	27	46	34	49	45		1.03	−1.6	3		e.				15	8	7	4.0	.0	.0
Apalachicola	35	11	51	30.14	30.17		59.0	−2.3	75	19	68	37	28	50	27	52	48	76	3.16	+.1	2	9.1	n.	32	e.	13	15	5	10	4.3	.0	.0
Pensacola	56	149	185	30.14	30.20	+.09	57.8	−2.4	74	11	66	36	28	50	27	51	45	69	2.34	−1.4	4	11.8	n.	40	e.	18	17	7	6	3.6	.0	.0
Anniston	741	9					50.4	−1.5	75	10	62	26	6	38	38				.48	−2.9	5		nw.				14	7	9		.0	.0
Birmingham [2]	630	5	55	29.57	30.26	+.14	52.2	−1.7	77	9	62	30	5	42	33	41	37	79	.75	−2.6	7	5.9	n.	18	s.	10	13	5	12	4.9	.0	.0
Mobile	57	86	161	30.18	30.22	+.11	57.0	−1.6	81	11	67	34	28	47	32	48	45	81	.69	−3.0	3	10.0	n.	47	e.	18	12	9	9	4.7	.0	.0
Montgomery [2]	218	92	105	29.97	30.23	+.11	55.1	−.7	77	10	66	34	28	45	32	44	40	75	.62	−2.6	3	6.2	n.	16	n.	3	16	3	11	4.2	.0	.0
Meridian [2]	375	67	92	29.90	30.24	+.12	52.6	−1.6	78	8	65	26	29	41	41	43	39	80	.74	−2.6	5	5.1	n.	17	sw.	10	15	3	12	4.8	.0	.0
Vicksburg	247	82	102	29.97	30.24	+.12	54.4	−2.2	79	10	64	30	4	45	30	46	40	65	1.18	−2.5	5	8.4	n.	19	n.	12	10	7	13	5.7	.0	.0
New Orleans [2]	53	76	84	30.17	30.20	+.10	60.2	−1.4	81	10	68	42	5	52	24	53	49	76	3.38	+.2	4	7.3	ne.	20	ne.	15	16	4	10	4.1	.0	.0
West Gulf States							56.8	−1.9										73	2.98	+0.1										6.0		
Shreveport	249	92	227	30.05	30.24	+.13	54.5	−1.5	80	8	64	31	28	45	34	46	42	75	6.10	+2.4	7	10.1	ne.	24	ne.	10	12	8	10	5.2	.0	.0
Bentonville	1,303	12	51																													
Fort Smith	463	57	82	29.80	30.30	+.19	49.2	−1.8	76	7	58	28	28	41	30	44	38	69	3.84	+1.0	7	5.8	e.	18	s.	10	10	5	15	5.9	.0	.0
Little Rock [2]	357	94	102	29.99	30.28	+.16	50.0	−2.1	76	9	59	29	5	42	33	43	38	76	3.93	−.3	9	6.6	ne.	20	ne.	10	14	2	14	5.3	.0	.0
Austin [2]	605	68	90	29.57	30.24		56.4	−2.1	81	1	66	36	26	47	38	49	45	73	2.26	−.0	8	6.7	n.	21	n.	12	7	7	16	6.6	.0	.0
Brownsville [2]	57	88	96	30.15	30.18		65.0	−2.2	82	8	73	46	14	57	26	57	54	78	.33	−1.6	5	10.1	nw.	23	nw.	12	7	15	8	5.8	.0	.0
Corpus Christi [2]	20	11	78	30.15	30.20	+.13	63.0	−1.3	81	10	70	46	26	56	22	55	50	73	.06	−1.9	2	10.1	n.	25	n.	3	7	5	18	6.7	.0	.0
Dallas [2]	512	220	227	29.73	30.25		54.0		82	1	62	36	28	46	30	46	41	71	4.87	+2.3	8	10.7	n.	33	ne.	18	9	7	14	6.1	.0	.0
Fort Worth [2]	679	92	110	29.50	30.26	+.16	54.4	−1.1	84	1	64	32	28	45	35	46	40	66	2.72	+.1	8	8.0	ne.	26	s.	9	11	4	15	5.8	.0	.0
Galveston [2]	54	106	114	30.19	30.20	+.11	60.6	−2.7	76	10	65	44	27	56	19	54	51	78	2.50	−.8	8	9.0	n.	24	n.	12	12	6	12	5.2	.0	.0
Houston [2]	138	157	190	30.15	30.23		58.8	−2.2	81	10	67	36	28	50	27	51	47	79	3.16	−.7	8	9.7	n.	24	se.	9	7	8	15	6.4	.0	.0
Palestine	510	64	72		30.26	+.15	54.4	−2.8	79	1	63	34	28	46				70	3.57	+.1	10	6.6	ne.	18	ne.	11	10	5	15		.0	.0
Port Arthur	34	59	134	30.18	30.22		58.4		78	10	66	35	28	51	22	52	48	75	4.40	+1.3	10	11.5	n.	29	e.	17	9	8	13	5.7	.0	.0
San Antonio [2]	693	111	301	29.61	30.23	+.15	58.4	−1.9	82	10	68	39	26	49	34	51	45	67	.99	−.9	5	10.9	n.	30	se.	9	8	3	19	6.5	.0	.0

See footnotes at end of table.

TABLE 2.—*Climatological data for Weather Bureau stations, November 1939*—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							44.3	−1.0										73	1.22	−1.9										5.7		
Chattanooga [2]	762	71	214	29.51	30.27	+0.13	50.1	−0.3	73	10	60	31	6	40	35	40	34	72	0.67	−2.7	9	6.2	ne.	23	s.	10	10	4	16	5.9	0.0	0.0
Knoxville [2]	995	66	84	29.20	30.27	+.14	47.0	−.9	72	10	57	27	6	37	37	38	32	70	2.21	−.9	7	4.6	ne.	16	sw.	10	11	5	14	5.6	T	.0
Memphis [2]	399	78	86	29.96	30.27	+.15	49.8	−1.9	76	9	58	31	27	42	27	41	38	80	2.18	−2.1	8	7.0	n.	24	n.	10	11	5	14	5.6	.0	.0
Nashville [2]	546	168	188	29.60	30.27	+.15	47.0	−2.0	72	9	56	28	6	38	37	39	33	67	1.48	−2.0	5	6.9	nw.	26	nw.	10	9	9	12	5.7	T	.0
Lexington	989	6																														
Louisville [2]	525	706	120	29.68	30.28	+.16	44.6	−2.1	67	17	52	29	28	37	31	36	32	75	1.16	−2.4	6	7.3	ne.	35	sw.	10	14	1	15	5.5	T	.0
Evansville	431	76	116	29.81	30.29	+.17	45.3	−1.3	69	15	53	29	27	37	33	39	32	64	1.75	−2.0	6	7.3	n.	29	sw.	10	8	7	15	6.3	T	.0
Indianapolis [2]	823	98	129	29.38	30.28	+.18	42.7	+.4	66	16	50	27	27	36	27	34	30	78	1.15	−2.2	8	7.3	sw.	20	ne.	19	7	9	14	6.2	.3	.0
Terre Haute	575	63	149	29.64	30.28		43.5		68	16	52	26	27	35	29	37	31	68	1.39	−1.9	7	8.3	sw.	24	w.	7	8	7	15	6.2	T	.0
Cincinnati [2]	627	11	51	29.73	30.28	+.16	42.8	+.3	69	17	52	26	27	34	35	35	31	80	.85	−2.0	7	7.1	sw.	22	sw.	10	11	8	11	5.5	T	.0
Columbus [2]	822	90	110	29.35	30.26	+.15	42.1	+.2	67	17	50	27	27	34	29	34	30	77	1.06	−1.7	6	7.8	s.	29	s.	10	12	4	14	5.8	T	.0
Dayton	900	186	213	29.28	30.27		42.0	.0	66	17	50	27	3	34	27	36	31	70	.91	−2.0	5	9.0	sw.	36	sw.	10	11	6	13	5.6	T	.0
Elkins [2]	1,947	65	83	28.10	30.28	+.16	39.4	−.9	75	10	50	15	27	29	49	32	28	78	1.06	−1.7	12	5.4	w.	26	w.	10	10	5	15	5.9	3.0	.0
Parkersburg	637	77	84	29.56	30.27	+.15	42.6	−1.2	75	10	52	23	27	33	37	36	32	75	.72	−1.8	6	5.3	sw.	27	nw.	10	16	4	10	4.5	T	.0
Pittsburgh [1]	1,273	39	54	28.85	30.24	+.14	40.4	−2.8	73	10	48	24	26	32	36	34	29	70	.53	−1.8	8	10.7	w.	43	sw.	10	10	8	12	5.7	T	.0
Lower Lake Region							38.4	−1.0										77	0.92	−1.9										6.3		
Buffalo [2]	768	243	280	29.44	30.22	+.17	38.0	−1.4	64	10	43	24	14	33	25	32	29	79	.53	−2.5	6	14.9	w.	49	w.	10	6	8	16	6.8	.5	.0
Canton	448	10	61	29.68	30.18		31.2	−2.7	60	10	39	7	26	23	35	27	24	79	1.06	−2.1	7	8.6	w.	30	w.	10	11	7	12	5.6	6.7	.0
Ithaca	836	77	100	29.28	30.22		36.8	−1.8	66	10	45	19	20	29	35	31	26	72	.55	−1.8	6	8.4	nw.	29	w.	9	6	8	16	6.5	4.0	.0
Oswego	335	71	85	29.81	30.20	+.15	36.8	−2.1	68	10	43	20	26	30	38	32	27	68	1.08	−2.3	9	9.6	nw.	30	nw.	9	5	5	20	7.3	1.0	.0
Rochester [2]	523	86	102	29.60	30.22	+.17	37.9	−.8	72	10	43	22	14	32	39	32	29	83	.46	−2.1	6	9.1	w.	34	w.	10	5	7	18	7.1	.1	.0
Syracuse [2]	596	65	79	29.74	30.20	+.14	36.8	−1.9	68	10	44	20	14	30	39	30	26	78	1.16	−1.6	8	6.9	w.	20	s.	10	10	6	14	5.9	2.8	.0
Erie	714	57	81	29.44	30.23	+.17	40.0	−1.4	68	10	45	26	20	35	27	36	32	76	2.16	−1.1	9	8.4	s.	26	s.	10	4	8	18	7.2	T	.0
Cleveland [2]	762	267	318	29.35	30.24	+.17	41.8	+.9	69	10	47	28	20	36	30	34	31	78	1.24	−1.4	10	14.6	sw.	47	sw.	10	7	7	16	6.6	.4	.0
Sandusky	629	5	67	29.55	30.25	+.17	41.8	+.7	67	16	49	27	27	35	25				.66	−1.7	9	9.4	sw.	27	sw.	10	9	4	17	6.2	T	.0
Toledo [2]	628	79	87	29.55	30.26	+.19	40.5	+.1	66	16	48	26	26	33	26	34	30	79	.82	−1.6	7	9.9	w.	25	e.	20	12	5	13	5.5	T	.0
Fort Wayne	857	69	84	29.34	30.26		40.0	−.7	66	16	48	25	5	32	27	34	30	79	.73	−2.2	8	8.9	sw.	26	sw.	10	12	6	12	5.4	T	.0
Detroit [1]	626	5	78	29.54	30.23	+.17	38.9	−.4	65	16	47	21	26	31	25	35	31	77	.57	−1.9	6	9.8	w.	29	sw.	10	11	7	12	5.9	T	.0
Upper Lake Region							37.3	+2.3										77	0.69	−1.6										5.8		
Alpena	609	13	89	29.54	30.22	+.21	36.0	+1.6	64	16	42	21	26	30	39	32	29	77	.54	−2.1	6	10.3	nw.	36	se.	9	5	6	19	7.2	.7	.0
Escanaba	612	54	72	29.56	30.24	+.21	35.2	+2.1	63	16	42	22	10	28	30	32	28	78	.81	−1.3	7	9.6	nw.	28	s.	9	8	8	14	6.0	.8	.0
Grand Rapids [2]	707	70	244	29.46	30.23	+.18	40.1	+1.7	60	10	48	24	26	33	30	33	30	82	.76	−2.0	6	10.8	sw.	43	sw.	10	10	7	13	5.3	.8	.0
Lansing	878	5	90	29.27	30.24		37.4	−.1	61	17	45	22	26	29	26	34	31	83	.65	−1.8	6	8.6	sw.	23	sw.	10	11	7	12	5.3	.5	.0
Ludington	637	60	66																													
Marquette	734	44	69	29.39	30.22	+.20	36.3	+3.0	62	15	42	23	11	30	26	32	29	79	.79	−2.1	4	6.1	w.	18	s.	9	8	10	12	5.8	8.2	.0
Sault Sainte Marie [1]	724	5	33	29.40	30.22	+.21	31.8	−.2	47	16	38	17	14	25	21	29	27	84	1.42	−1.2	6	8.5	nw.	34	nw.	10	4	2	24	8.2	3.1	.0
Chicago	673	7	131	29.52	30.27	+.20	41.6	+1.5	64	16	48	26	11	35	30	37	31	69	.95	−1.4	8	10.5	sw.	26	nw.	10	11	5	14	5.5	.4	.0
Green Bay	617	109	141	29.54	30.24	+.20	37.6	+3.6	64	16	45	20	11	30	30	32	27	70	.45	−1.7	5	9.3	w.	28	sw.	10	10	9	11	5.4	T	.0
Milwaukee [2]	681	97	221	29.48	30.26	+.21	41.2	+3.9	68	16	48	24	11	34	32	34	29	74	.33	−1.4	6	12.1	w.	32	s.	9	10	8	12	5.5	T	.0
Duluth	1,133	5	47	28.95	30.21	+.17	35.6	+5.6	64	15	44	10	11	28	36	30	26	76	.16	−1.3	3	11.5	w.	35	nw.	7	16	5	9	4.2	1.5	.0
North Dakota							35.1	+8.4										68	0.07	−0.6										4.3		
Moorhead, Minn	940	50	58	29.19	30.20	+.13	34.9	+7.8	66	14	47	9	10	23	39	29	23	69	.09	−.8	4	7.9	s.	26	nw.	9	16	5	9	4.4	.1	.0
Bismarck [2]	1,677	8	57	28.38	30.21	+.14	36.4	+7.9	69	13	50	10	10	23	43	28	21	65	.01	−.6	1	7.6	se.	28	w.	9	12	11	7	4.7	.1	.0
Devils Lake	1,478	11	44	28.55	30.17	+.11	33.9	+9.4	69	14	46	5	10	22	41	28	27	71	.09	−.6	3	8.7	s.	31	nw.	9	9	10	11	5.6	T	.0
Lemmon, S. Dak	2,602	4	38																													
Grand Forks	832	11	71				33.4	+7.4	66	15	45	7	10	21	39	29	25		.12	−.7	2	9.5	se.							.1	.0
Williston	1,878	42	50	28.12	30.16	+.10	36.8	+9.6	63	14	49	6	10	24	36	30	23	65	.04	−.5	1	6.5	s.	39	nw.	9	21	7	2	2.4	T	.0
Upper Mississippi Valley							41.4	+2.7										71	1.05	−1.0										5.1		
Minneapolis-St. Paul, Minn. [1]	838	32	61	29.30	30.24	+.18	37.6	+5.2	64	17	48	18	10	27	36	31	25	68	.02	−1.2	2	8.8	sw.	33	nw.	10	16	7	7	3.9	T	.0
Springfield, Minn	1,025	4	42																													
La Crosse [2]	714	11	48	29.51	30.26	+.19	38.1	+2.9	69	17	47	19	27	29	34	31	27	78	.29	−1.3	6	5.3	s.	18	w.	10	14	8	8	4.4	.5	.0
Madison	974	70	78	29.30	30.27	+.21	39.2	+4.0	68	16	46	23	11	32	29	33	29	76	.29	−1.5	6	8.4	s.	24	s.	9	13	6	11	5.1	T	.0
Charles City	1,015	10	51	29.15	30.28	+.20	38.0	+5.0	70	17	50	16	27	26	39	31	26	71	.59	−.9	3	5.5	se.	21	se.	9	17	5	8	3.7	T	.0
Davenport	606	66	161	29.61	30.29	+.21	41.8	+2.8	68	16	50	24	28	34	29	36	30	69	.94	−.9	6	9.3	sw.	27	sw.	9	11	9	10	5.2	.0	.0
Des Moines [2]	860	5	99	29.20	30.27	+.19	41.6	+3.2	70	9	52	19	28	31	32	35	29	69	.47	−1.0	4	8.3	sw.	34	s.	9	15	7	8	4.2	.0	.0
Dubuque	699	60	79	29.50	30.28	+.21	40.4	+3.4	69	15	49	21	28	32	32	34	29	70	1.09	−.6	5	5.7	nw.	19	nw.	10	10	12	8	5.2	T	.0
Keokuk	614	64	78	29.62	30.29	+.20	43.0	+1.9	70	9	51	25	28	35	31	37	31	68	1.70	−.2	8	6.8	sw.	24	nw.	7	12	5	13	5.6	T	.0
Cairo	358	87	93	29.90	30.29	+.17	46.6	−.7	73	9	55	29	22	38	33	40	34	67	2.22	−1.5	6	7.4	n.	21	n.	10	8	6	16	6.1	.0	.0
Peoria [2]	609	11	45	29.55	30.28	+.19	41.2	+3.7	67	15	51	20	28	32	32	35	31	77	1.14	−1.2	9	5.6	s.	17	s.	9	11	8	11	5.1	T	.0
Springfield, Ill. [2]	636	5	191	29.61	30.29	+.19	43.4	+1.2	67	9	52	26	27	35	31	35	31	79	1.46	−1.1	8	10.2	s.	27	n.	10	8	7	15	6.3	T	.0
St. Louis [2]	568	179	303	29.67	30.29	+.19	45.4	.0	71	9	52	30	28	38	27	39	32	62	2.43	−.4	8	9.6	sw.	38	sw.	9	10	6	14	6.0	.0	.0
Missouri Valley							42.4	+2.8										66	1.43	0.0										4.5		
Columbia, Mo. [2]	784	6	66	29.44	30.30	+.21	43.5	+.2	75	9	53	22	28	34	40	37	32	72	4.00	+1.8	9	6.6	n.	22	sw.	9	8	10	12	6.0	.0	.0
Kansas City [1]	750	38	76	29.46	30.30	+.21	43.8	+.1	72	9	53	22	3	35	33	39	33	71	2.45	+.6	7	8.3	sw.	37	sw.	9	13	6	11	5.4	.0	.0
St. Joseph [2]	967	11	49	29.39	30.29		44.4	+2.9	74	9	53	21	2	36	30	37	33	79	2.73	+1.2	5	6.9	s.	26	sw.	9	14	6	10	4.5	T	.0
Springfield, Mo. [2]	1,324	5	78	28.84	30.30	+.20	44.6	−1.1	73	9	53	24	28	36	31	37	32	76	2.77	.0	10	7.0	s.	24	sw.	9	8	5	17	6.3	T	.0
Topeka	987	65	87	29.21	30.29		44.9	+2.1	74	9	55	23	2	35	32	39	32	67	1.42	−.1	4	7.8	s.	30	sw.	9	13	7	10	4.9	T	.0
Lincoln [2]	1,189	11	81	29.97	30.28	+.20	43.0	+3.9	71	9	54	19	27	32	36	32	24	59	.52	−.6	1	8.2	s.	29	sw.	9	17	5	8	3.9	T	.0
Omaha [1]	982	31	44	29.20	30.28	+.20	41.6	+3.1	72	9	53	16	3	30	35	34	27	64	.35	−.7	2	8.9	s.	31	sw.	9	17	4	9	4.0	T	.0
Valentine	2,598	47	54	27.46	30.25	+.17	40.0	+5.4	72	13	55	12	2	25	45	31	22	57	T	−.6	0	8.3	w.	25	s.	8	20	5	5	3.3	T	.0
Sioux City	1,138	64	106	29.01	30.26	+.18	40.2	+5.0	73	16	53	15	27	27	46	32	24	57	.03	−1.0	1	7.5	s.	26	nw.	23	17	4	9	3.6	T	.0
Huron [1]	1,289	27	41	28.82	30.24	+.16	37.7	+6.2	71	14	52	16	21	23	47	30	22	61	T	−.6	0	11.4	se.	37	se.	8	20	3	7	3.2	T	.0
Northern Slope							38.6	+5.9										58	0.10	−0.6										4.0		
Billings	3,140	5		26.44	30.18		42.6		69	3	56	14	26	29	40	33	20	44	.05		1	11.6	sw.	56	nw.	30	18	3	9	3.8	.0	.0
Havre	2,507	11	67	27.43	30.12	+.09	40.8	+9.6	67	16	55	12	27	26	38	33	24	57	.18	−.4	3	9.8	sw.	39	w.	22	13	9	8	4.5	.0	.0
Helena	4,124	85	111	25.94	30.21	+.11	39.2	+6.0	64	8	50	23	5	29	35	32	23	56	.05	−.7	3	5.8	sw.	32	nw	8	11	4	15	5.5	T	.0
Missoula	3,263	80	91				36.6	+3.1	58	11	47	19	29	26	26	30	27	84	.14	−1.1	2	4.3	se.	26	w.	8	13	9	8	4.8	T	.0
Kalispell	2,973	48	56	27.10	30.23	+.16	35.4	+3.0	54	8	43	19	25	27	26	32	29	81	.59	−.8	6	4.1	nw.	29	w.	8	3	7	20	7.5	T	.0
Miles City [2]	2,371	48	55	27.37	30.19	+.12	39.9	+9.0	67	14	55	12	28	25	40	31	22	56	.03	−.5	1	6.2	s.	36	w.	30	17	7	6	3.6	.0	.0
Rapid City [2]	3,259	50	58	26.82	30.22	+.14	43.8	+7.9	70	22	56	19	2	32	36	31	19	46	T	−.5	0	8.8	w.	32	nw.	23	21	6	3	2.4	.0	.0
Cheyenne [1]	6,144	5	39	24.10	30.26	+.19	37.9	+3.1	65	22	54	8	26	22	43	28	17	50	.06	−.5	1	9.1	nw.	30	nw.	30	16	9	5	3.6	1.2	.0
Lander	5,352	60	68	24.80	30.25	+.15	36.0	+5.7	64	8	52	9	26	20	40	27	17	51	.00	−.6	0	3.6	sw.	22	w.	8	14	14	2	3.2	.0	.0
Sheridan	3,790	10	47	26.24	30.24		38.2		68	14	57	5	26	19	48	27	17	54	T	−.6	0	3.8	s.	25	nw.	4	22	7	1	2.0	.0	.0
Yellowstone Park	6,235	12	46	24.05	30.34	+.23	36.0	+6.9	58	3	49	15	17	23	33	27	17	52	T	−.7	0	7.1	sw.	28	sw.	8	15	8	7	3.8	T	T
North Platte [2]	2,821	11	51	27.30	30.28	+.20	40.9	+4.3	73	14	56	15	2	25	45	29	21	62	T	−.5	0	6.5	n.	21	n.	23	20	1	9	3.3	T	.0

See footnotes at end of table.

TABLE 2.—*Climatological data for Weather Bureau stations, November 1939*—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.
Middle Slope							45.1	+2.3										57	0.51	−0.4										3.7		
Denver [2]	5,292	106	113	24.85	30.23	+0.17	43.8	+4.0	70	22	56	19	26	32	34	31	19	47	0.01	−0.5	1	7.0	s.	23	ne.	9	18	8	4	3.0	T	0.0
Pueblo [2]	4,690	79	86	25.34	30.25	+.20	41.8	+2.4	73	4	58	15	25	26	52	30	20	54	.51	+.2	3	4.9	nw.	18	se.	9	19	8	3	2.6	T	.0
Concordia	1,392	50	58	28.77	30.28	+.20	44.3	+2.9	70	9	55	17	2	33	33	36	27	58	.48	−.5	2	7.1	sw.	26	sw.	9	18	6	6	3.6	T	.0
Dodge City	2,509	10	86	27.60	30.26	+.19	45.0	+2.4	74	7	58	13	3	32	40	35	25	52	.42	−.3	3	10.0	s.	28	sw.	28	18	2	10	3.5	1.0	.0
Wichita [2]	1,358	85	93	28.77	30.28	+.20	46.2	+1.4	71	7	56	19	3	36	35	38	31	65	.81	−.6	6	8.6	s.	30	sw.	9	16	2	12	4.6	.0	.0
Oklahoma City [2]	1,214	10	47	28.87	30.28	+.20	49.6	+.8	79	8	59	21	3	40	32	41	34	65	.84	−1.0	6	7.2	s.	23	nw.	10	12	6	12	5.1	.0	.0
Chadron, Nebr.	3,439	4	58																													
Southern Slope							51.0	−0.7										62	1.00	−0.1										5.2		
Abilene [2]	1,738	10	56	28.39	30.24	+.17	52.7	−.8	81	1	63	33	26	43	38	44	37	66	1.99	+.6	8	7.2	n.	27	s.	9	12	4	14	5.6	.0	.0
Amarillo [2]	3,676	10	49	26.52	30.25	+.20	48.3	+2.8	81	1	60	24	3	36	35	34	25	56	.06	−.9	2	8.0	s.	24	w.	9	16	7	7	3.8	.0	.0
Del Rio	960	63	71	29.20	30.20	+.15	57.0	−3.0	78	8	65	41	4	49	29	50	45	70	1.59	+.4	7	7.3	se.	24	se.	9	4	8	18	7.3	.0	.0
Roswell	3,566	75	85	26.56	30.24	+.21	46.2	−1.9	81	1	60	23	14	33	46	38	28	57	.38	−.5	2	6.2	s.	30	w.	9	17	4	9	4.0	T	.0
Southern Plateau							51.4	+3.0										54	0.67	0.0										3.8		
El Paso [2]	3,778	82	101	26.19	30.15	+.15	51.5	−1.2	80	1	62	34	13	41	38	42	33	56	.75	+.2	5	8.1	e.	25	ne.	24	12	8	10	5.0	.0	.0
Albuquerque [1]	5,314	5	39	24.88	30.17		44.2	+.9	71	1	56	24	19	32	36	35	25	52	.78	+.3	3	7.6	ne.	36	e.	2	18	3	9	3.8	T	.0
Santa Fe	7,013	38	53	23.37	30.22	+.19	40.6	+1.7	64	1	52	22	3	29	31	31	20	50	.74	+.1	4	4.9	e.	17	n.	30	19	3	8	3.4	1.3	1.0
Flagstaff	6,907	10	59	23.44	30.08	+.06	40.0	+5.4	69	1	55	18	21	25	41	32	25	62	1.45	.0	5	6.2	e.	19	w.	9	17	4	9		1.5	T
Phoenix [2]	1,107	39	51	28.85	30.01	+.03	64.3	+4.6	89	1	78	43	30	51	38	50	40	52	.75	.0	2	5.0	e.	19	w.	28	13	10	7	4.2	.0	.0
Yuma	141	9	54	29.86	30.02	+.04	66.5	+4.1	89	1	79	45	30	54	33	54	44	51	.19	−.1	3	5.0	n.	18	n.	20	21	4	5	2.8	.0	.0
Independence	3,957	5	26	26.08	30.14	+.09	52.4	+5.2	78	1	68	46	25	36	41				.00	−.3	0											
Middle Plateau							43.3	+4.0										56	0.15	−0.6										3.1		
Reno [2]	4,527	62	76	25.71	30.19	+.08	45.0	+3.5	72	2	61	22	9	29	40	34	25	61	.06	−.6	2	4.4	w.	20	w.	25	23	4	3	2.2	.0	.0
Tonopah	6,090	12	20																													
Winnemucca	4,344	18	56	25.76	30.22	+.08	41.0	+2.6	71	1	59	16	21	23	47	32	20	51	.16	−.5	2	6.3	ne.	17	s.	25	16	8	6	3.6	T	.0
Modena	5,473	10	46	24.74	30.15	+.07	40.4	+4.0	69	1	57	14	19	24	43	32	21	52	.22	−.4	4	7.6	w.	21	sw.	3	18	4	8	4.0	.0	.0
Salt Lake City [1]	4,227	32	46	25.90	30.22	+.10	46.0	+4.9	69	3	57	29	10	35	32	35	28	63	T	−1.4	0	5.4	se.	24	nw.	9	18	6	6	3.4	.0	.0
Grand Junction	4,602	60	68	25.54	30.17	+.09	44.2	+4.9	67	2	58	22	30	30	33	35	24	51	.30	−.3	1	4.7	se.	17	ne.	9	24	2	4	2.1	.0	.0
Northern Plateau							41.1	+2.1										68	0.11	−1.3										5.5		
Baker	3,471	36	54	26.72	30.28	+.12	39.2	+3.2	63	1	53	19	4	26	35	28	21	67	T	−1.0	0	6.2	se.	15	w.	8	11	9	10	5.2	.0	.0
Boise [2]	2,739	79	87	27.40	30.27	+.10	42.4	+1.4	69	13	54	22	9	30	37	34	28	71	.13	−1.2	1	3.6	se.	18	se.	25	14	7	9	4.5	.0	.0
Pocatello [1]	4,478	5	31	25.65	30.27	+.13	38.6	+1.9	68	3	55	11	18	22	42	30	21	57	.02		1	5.4	sw.	23	w.	8	14	8	8	4.1	.0	.0
Spokane [2]	1,929	101	110	28.09	30.21	+.11	39.6	+1.1	57	11	48	24	17	31	26	37	33	77	.28	−1.8	5	5.0	n.	30	sw.	8	7	12	11	6.1	.0	.0
Walla Walla	991	57	65	29.11	30.19	+.06	45.3	+2.5	65	8	54	27	28	37	28	40	34	65	.11	−1.9	3	4.6	se.	26	sw.	8	7	10	13	6.4	.0	.0
Yakima	1,076	58	67	29.03	30.20		41.3	+2.4	63	30	54	24	28	29	34	37	31	68	.01	−.8	1	3.5	se.	28	w.	8	7	8	15	6.5	.0	.0
North Pacific Coast Region							49.5	+3.6										83	3.31	−3.1										7.7		
North Head	211	8	56	29.90	30.13	+.08	52.0	+3.8	67	24	56	42	8	48	15	49	47	87	3.73	−4.7	16	15.5	s.	48	s.	13	2	8	20	8.2	.0	.0
Seattle [2]	125	90	321	30.09	30.13	+.09	51.0	+5.4	63	16	56	39	20	46	21	46	43	83	2.75	−2.3	12	9.4	s.	31	s.	10	3	9	18	7.6	.0	.0
Tacoma	263	172	201	29.91	30.13	+.09	49.6	+5.0	63	7	56	37	28	43	22				2.67	−3.6	15	6.7	s.	26	nw.	8	2	7	21	8.1	.0	.0
Tatoosh Island	86	9	55	29.95	30.05	+.08	51.4	+5.5	62	23	54	44	7	49	11	49	47	87	11.91	.0	24	18.5	s.	53	s.	10	0	5	5	9.1	.0	.0
Medford [1]	1,329	29	58	28.76	30.19		44.6	+.8	68	1	58	22	28	31	38	40	35	72	.06	−2.4	3		sw.				8	12	10	5.4	.0	.0
Portland, Oreg. [2]	154	68	106	30.12	30.16	+.06	50.0	+3.2	66	7	56	35	10	44	21	46	44	85	1.73	−4.4	10	5.1	se.	20	s.	29	3	7	20	7.6	.0	.0
Roseburg	510	45	76	29.62	30.18	+.06	47.6	+1.7	71	7	56	32	10	40	34	46	43	84	.34	−4.3	5	3.0	nw.	13	sw.	25	0	14	16	7.6	.0	.0
Middle Pacific Coast Region							56.2	+2.5										64	0.34	−3.1										4.1		
Eureka	60	72	88	30.09	30.16	+.05	50.4	−.7	65	30	57	40	4	44	20	48	46	86	.91	−4.3	4	5.1	se.	23	n.	3	5	10	15	6.5	.0	.0
Redding [1]	722	20	34	29.32	30.10		59.4	+5.3	85	1	71	41	29	48	28	46	31	37	.16	−4.2	1	7.8	nw.	21	nw.	3	13	10	7	4.4	.0	.0
Sacramento [2]	66	92	115	30.06	30.09	.00	56.0	+2.4	81	1	70	35	27	42	35	47	38	58	.07	−1.8	1	4.8	n.	18	sw.	25	24	5	1	1.7	.0	.0
San Francisco	155	112	132	29.92	30.09	.00	59.2	+2.9	78	6	67	49	27	51	26	52	48	73	.20	−2.2	1	5.4	w.	24	se.	25	16	8	6	3.8	.0	.0
South Pacific Coast Region							62.2	+3.9										62	0.56	−0.4										3.3		
Fresno [1]	327	97	105	24.78	30.09	+.03	55.7	+1.5	79	1	70	34	30	41	41	48	41	62	.04		1	3.5	nw.	22	nw.	25	19	8	3	2.7	.0	.0
Los Angeles	338	159	191	29.67	30.03	+.01	67.1	+6.2	87	23	77	52	27	57	30	55	45	54	.08	−1.1	1	5.3	ne.	14	ne.	24	18	10	2	2.8	.0	.0
San Diego [2]	87	62	70	29.99	30.02	.00	63.8	+4.1	86	22	72	51	30	56	30	56	51	70	1.04	+.3	4	5.1	nw.	18	n.	27	13	9	8	4.5	.0	.0
West Indies																																
San Juan, P. R.	82	9	54	29.83	29.91		79.2	+.8	89	5	84	70	30	74	14				6.87	+.1	19	10.5	e.	36	n.	29	3	23	4	5.5	.0	.0
Panama Canal																																
Balboa Heights	118	6	92		[3] 29.81	−.01	79.3	+.2	90	30	85	71	10	74	17			[3] 85	6.55	−3.9	22	5.8	nw.	27	n.	24	0	17	13	7.2	.0	.0
Cristobal	36	6	97		[3] 29.82	−.01	80.2	+.9	89	22	84	74	10	76	13	76	74	[3] 86	35.18	+12.8	24	9.7	w.	33	w.	6	0	8	22	8.2	.0	.0
Alaska																																
Fairbanks	454	11	87		[4] 29.76		−5.2	−8.3	23	1	3	-36	27	−13	40	−4	−8	79	.63	−.1	11	3.9	n.	18	ne.	1	6	6	18	7.1	11.7	13.4
Juneau	80	96	116	[4] 29.55	[4] 29.64		38.3	+2.9	55	1	43	27	9	34	17	36	32	79	13.14	+4.6	25	8.3	se.	30	e.	24	1	2	27	9.2	5.1	1.2
Nome	22	5	57																													
Hawaiian Islands																																
Honolulu	38	86	100	29.97	30.01		74.0	−.5	81	20	78	68	28	70	10	67	64	73	4.41	+.6	23	10.1	e.	26	e.	24	4	16	10	6.3	.0	.0

[1] Observations taken at airport.
[1] Data are airport records.
[2] Barometric and hygrometric data from airport, other data city-office records.
[3] Observations taken bi-hourly.
[4] Pressure not reduced to mean of 24 hours.

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

TABLE 3.—*Data furnished by the Canadian Meteorological Service, November 1939*

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 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				35.3	−2.1	41.1	29.5	53	19	2.10	−3.49	T
Sydney, Cape Briton Island	48	29.78	29.91	−0.05	37.4	−1.0	42.7	32.2	63	25	2.09	−2.99	1.6
Halifax, Nova Scotia*	83		29.99	.00	37.6		43.7	31.5	55	24	1.95		.1
Yarmouth, Nova Scotia	65	29.92	30.03	+.03	37.8	−2.4	43.4	32.2	55	21	1.17	−2.87	.2
Charlottetown, Prince Edward Island	38	29.88	29.97	+.01	34.8	−1.2	39.8	29.8	59	22	1.43	−1.96	2.5
Chatham, New Brunswick	28	29.86	29.97	−.01	30.7	−1.5	38.5	22.9	59	3	.94	−2.44	4.2
Father Point, Quebec	20	30.02	30.03	+.07	29.2	−.2	34.3	24.1	49	9	.33	−3.01	1.4
Quebec, Quebec	296												
Doucet, Quebec	1,236	28.75	30.16	+.16	19.6	−4.2	28.5	10.8	42	−13	.45	−2.14	1.5
Montreal, Quebec	187	29.94	30.16	+.14	32.6	−.5	37.9	27.4	52	14	1.58	−1.89	1.0
Ottawa, Ontario	236	29.80	30.18	+.16	30.1	−2.2	38.6	21.6	56	10	1.06	−1.64	3.1
Kingston, Ontario	285	29.89	30.21	+.17	33.6	−2.8	41.4	25.8	60	12	.79	−2.13	3.6
Toronto, Ontario	379	29.80	30.22	+.17	36.9	−.7	43.4	30.4	62	20	.32	−2.44	T
Cochrane, Ontario	930				23.6	+.2	31.1	16.2	46	−6	.73	−1.37	4.3
White River, Ontario	1,244	28.82	30.20	+.21	25.9	+3.2	35.8	16.0	48	−5	.49	−1.97	3.4
London, Ontario	808	29.33	30.23		35.0	−1.8	43.2	26.8	60	17	.99	−2.44	1.3
Southampton, Ontario	656	29.48	30.19	+.17	35.4	−1.3	43.1	27.7	53	13	1.63	−1.92	.5
Parry Sound, Ontario	688	29.51	30.21	+.20	32.1	−1.6	39.6	24.6	52	6	1.22	−2.86	.3
Port Arthur, Ontario	644	29.48	30.22	+.20	31.4	+4.2	39.7	23.0	52	8	.32	−1.20	.8
Winnipeg, Manitoba	760	29.27	30.16	+.07	31.0	+9.2	41.6	20.5	61	5	.06	−1.02	.2
Minnedosa, Manitoba	1,690	28.28	30.15	+.10	31.2	+9.5	42.2	20.1	60	−2	.03	−.87	.2
La Pas, Manitoba	860	29.08	30.08	+.10	23.9	+6.5	33.1	14.7	51	−15	.72	−.08	3.5
Qu'Appelle, Saskatchewan	2,115				32.8	+10.4	42.8	22.7	61	−3	.17	−.84	.4
Moose Jaw, Saskatchewan	1,759				37.0	+12.8	48.2	25.8	65	3	.15	−.47	.8
Swift Current, Saskatchewan	2,392	27.22	30.09	+.03	38.3	+12.2	49.6	27.0	64	3	.05	−.51	T
Medicine Hat, Alberta	2,365	27.51	30.04	.00	42.0	+12.0	56.9	27.1	68	11	.01	−.68	.1
Calgary, Alberta	3,540	26.31	30.05	.00	40.1	+13.7	51.8	28.4	63	15	.23	−.51	2.0
Banff, Alberta	4,521				35.8	+11.9	43.1	28.4	52	15	1.06	−.39	T
Prince Albert, Saskatchewan	1,450	28.46	30.08	+.04	25.6	+7.0	36.0	15.3	54	−18	.90	+.02	8.2
Battleford, Saskatchewan	1,592												
Edmonton, Alberta	2,150	27.56	29.96		33.6	+7.9	42.2	25.0	51	12	.49	−.20	3.5
Kamloops, British Columbia	1,262	28.72	30.09	+.07	43.5	+7.9	49.3	37.7	58	28	.53	−.39	.0
Victoria, British Columbia	230	29.83	30.08	+.02	48.4	+3.8	52.2	44.7	59	42	4.17	−.90	.0
Barkerville, British Columbia	4,180												
Estevan Point, British Columbia	20	29.98	30.00	.00	49.6	+4.4	53.4	45.7	60	37	31.74	+19.73	.0
Prince Rupert, British Columbia	170	29.57	29.76	−.07				39.6		33	18.63	+5.90	.0
St. George's, Bermuda	151												

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Cape Race, N. F	99				46.4	+0.6	52.2	40.6	61	25	8.43	+5.08	0.0
Quebec, Quebec	296	29.62	29.95	−0.06	44.6	+1.1	51.1	38.1	69	22	4.77	+1.30	.8
Montreal, Quebec	187	29.77	29.98	−.04	47.0	+.4	54.2	39.7	71	21	3.58	+.30	T
Calgary, Alberta	3,540	26.29	30.03	+.04	36.5	−5.4	47.5	25.5	68	−8	2.97	+2.32	16.1
Banff, Alberta	4,521				37.0	−1.7	45.6	28.5	63	−7	3.96	+2.87	30.0
Battleford, Saskatchewan	1,592	28.17	29.94	−.04	37.2	−2.8	48.0	26.3	70	0	.44	−.15	3.9
Kamloops, British Columbia	1,262	28.69	30.05	+.02	46.0	−1.6	53.6	38.4	70	20	.92	+.27	2.0
Estevan Point, British Columbia	20	30.06	30.09	+.10	49.5	−.3	54.3	44.7	61	33	12.42	+1.02	.0
Prince Rupert, British Columbia	170	29.76	29.95	+.06	46.6	−.6	51.9	41.4	60	30	14.69	+2.37	.0

TABLE 4.—*Severe local storms, November 1939*

[Compiled by Mary O. Souder from reports submitted by Weather Bureau Officials]

[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 Meteorological Yearbook]

*Observations taken at Royal Canadian Air Force Station.

No severe local storms reported for November 1939.

U. S. GOVERNMENT PRINTING OFFICE: 1940