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, March, 1932

[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	51.9	−4.0	Thomasville	89	1	St. Bernard	12	10	4.25	−1.71	Centerville	8.25	Union Springs	1.14
Arizona	52.7	−0.1	Mohawk	96	27	Williams	−6	4	0.32	−0.75	Alpine	1.50	16 stations	0.00
Arkansas	48.2	−4.4	Amity	88	20	Sunset	2	9	4.48	−0.20	Arkadelphia	7.33	Harrison	1.63
California	52.3	+1.7	Westhaven	99	31	4 stations	0	[1] 4	1.06	−2.42	Crescent City	14.52	13 stations	0.00
Colorado	31.0	−4.0	Two Buttes	80	[1] 19	2 stations	−38	12	1.20	−0.01	Silver Lake	5.89	Buena Vista	T.
Florida	62.4	−3.1	2 stations	94	22	3 stations	21	10	3.51	+0.38	Palatka	6.36	2 stations	0.92
Georgia	53.0	−3.5	Millen	88	3	2 stations	10	10	4.46	−0.52	Clayton	8.85	Savannah (No. 2)	2.23
Idaho	33.5	−2.1	Grand View	78	31	Felt	−27	11	3.18	+1.40	Pete King Ranger Station.	11.98	Arco	T.
Illinois	34.0	−6.8	White Hall	77	29	2 stations	−3	[1] 6	2.37	−0.69	Shawneetown	5.60	Pana	0.72
Indiana	34.2	−6.5	2 stations	74	[1] 21	Goshen	−4	11	2.83	−0.92	Princeton	5.11	Fowler	1.06
Iowa	28.4	−5.8	Thurman	77	29	2 stations	−8	[1] 46	1.46	−0.30	Maquoheta (near)	2.93	Logan	0.44
Kansas	36.9	−6.7	2 stations	84	29	Tribune	−12	12	0.89	−0.59	Elkhart	2.32	Atwood	0.21
Kentucky	41.2	−5.1	do	80	[1] 2	Mount Sterling	4	9	4.95	+0.26	Woodbury	6.61	Carrollton	2.44
Louisiana	56.3	−4.4	Monroe	87	20	Plain Dealing	18	[1] 9	3.31	−1.43	Minden	6.76	Atchafalaya	0.25
Maryland-Delaware	38.5	−4.5	2 stations	75	30	Oakland, Md	−4	16	5.78	+2.34	Friendsville, Md	7.76	Crisfield, Md	3.61
Michigan	25.3	−4.3	Croswell	67	30	Bessemer	−15	[1] 7	1.63	−0.54	Painesdale	4.84	Vanderbilt (near)	0.29
Minnesota	18.8	−7.2	Beardsley	66	29	Big Falls	−31	11	0.84	−0.25	New Ulm	2.55	Alexandria	0.08
Mississippi	52.6	−4.1	State College	89	20	Duck Hill	11	10	4.29	−1.45	Edinburg	7.79	Biloxi	2.20
Missouri	38.3	−5.6	Neosho	81	20	Unionville	−2	[1] 6	1.89	−1.13	Caruthersville	4.84	Warrensburg	0.30
Montana	24.7	−5.5	Bridger	72	31	Harlowton	−40	8	1.40	+0.58	Heron	6.32	Kenilworth (near)	0.18
Nebraska	30.3	−5.6	Culbertson	86	31	Gordon	−23	10	0.80	−0.30	Gordon	2.23	Arthur	T.
Nevada	43.1	+0.8	2 stations	90	[1] 19	Elko	−5	4	0.52	−0.34	Mahoney Ranger Station.	3.76	5 stations	0.00
New England	29.5	−2.8	do	63	31	2 stations	−13	[1] 19	4.08	+0.80	Hingham, Mass	6.96	Bethlehem, N. H	1.18
New Jersey	36.7	−1.9	Boonton	69	26	Culvers Lake	3	15	5.49	+1.40	Lakewood	7.70	Woodcliff Lake	3.91
New Mexico	40.5	−2.7	Lovington	88	20	2 stations	−16	[1] 12	0.73	−0.11	Cloudcroft	4.01	Chamberino	0.00
New York	28.7	−3.4	4 stations	68	30	Stillwater Reservoir	−22	16	4.01	+1.00	Chasm Falls	6.70	Caneadea Dam	1.41
North Carolina	46.4	−3.4	2 stations	85	[1] 21	Mount Mitchell	−11	10	4.55	+0.35	Highlands	8.23	Red Springs	2.10
North Dakota	18.9	−5.2	Hankinson	64	29	Powers Lake	−30	22	0.63	−0.07	Alpha	2.40	2 stations	T.
Ohio	33.7	−5.7	Athens	78	25	3 stations	−1	9	2.92	−0.45	Ironton	6.08	Put-in-Bay	1.18
Oklahoma	46.0	−5.1	Tishomingo	94	20	Kenton	−16	12	0.99	−1.24	Idabel	4.65	Perry	0.07
Oregon	41.9	+1.0	3 stations	78	31	Seneca	−12	4	4.75	+1.99	Brookings	20.33	Paisley	0.57
Pennsylvania	33.4	−4.3	Hyndman	72	30	Somerset	−8	16	4.41	+0.97	West Chester	7.46	Ansonia	1.63
South Carolina	51.4	−3.2	2 stations	86	[1] 3	Caesars Head	5	10	3.67	−0.27	Walhalla	8.32	Pinopolis	1.56
South Dakota	25.0	−6.9	Forestburg	77	29	Oelrichs	−22	7	1.01	−0.03	Hot Springs	4.20	Dowling	0.19
Tennessee	45.2	−4.1	3 stations	84	20	Elkmont	5	10	4.89	−0.42	Elkmont	9.64	Fayetteville	3.14
Texas	53.8	−4.9	2 stations	102	20	Dalhart	−5	[1] 12	1.44	−0.64	Marshall	5.30	9 stations	0.00
Utah	36.8	−1.5	St. George	81	19	Woodruff	−25	12	1.31	−0.27	Silver Lake	6.13	2 stations	0.00
Virginia	41.8	−4.2	Christchurch	84	22	Dante	1	15	5.18	+1.48	Farmville	8.07	Diamond Springs	2.95
Washington	41.1	+0.1	3 stations	74	[1] 18	Newport	−8	11	6.57	+2.68	Big Four	29.63	Toppenish	0.43
West Virginia	36.6	−6.1	2 stations	80	21	Cairo	−3	9	5.32	+1.39	Pickens	9.79	Lewisburg	2.25
Wisconsin	22.4	−6.9	Brodhead	71	29	Prentice	−23	11	1.12	−0.60	Brodhead	3.58	Mellen	0.33
Wyoming	24.1	−5.4	Thermopolis	71	31	Riverside	−43	11	1.23	+0.14	Bechler River	9.71	Diversion Dam	0.07
Alaska (February)	−0.6	−10.1	Dutch Harbor	60	5	Tanana	−63	26	2.80	+0.81	Ketchikan	16.47	Barrow	0.01
Hawaii	69.4	+0.3	Waipahu	90	26	Kanalohuluhulu	36	[1] 7	5.09	−3.90	Olowalu (Mauka)	28.00	Ka Lae	0.42
Porto Rico	74.9	+1.2	Mayaguez	95	14	Guineo Reservoir	40	6	2.76	−0.72	Rio Blanco	10.43	Canovanas	0.59

[1] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, March, 1932*

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 .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							**31.9**	**−0.8**										**70**	**4.19**	**+0.7**										**5.6**		
Eastport	76	67	85	29.54	29.62	−.31	28.2	−0.7	48	27	35	4	15	22	19	25	19	71	2.67	−1.2	14	11,153	w.	42	ne	28	6	5	20	7.0	14.6	0.0
Greenville, Me.	1,070	6	----	28.47	29.67	------	21.2	------	48	31	30	−4	15	13	36	----	----	----	3.50	------	11	7,801	nw.	31	------	2	8	6	17	----	32.5	----
Portland, Me.	103	82	117	29.56	29.69	−.27	31.4	−0.4	56	27	38	10	15	24	22	27	18	61	4.35	+0.5	13	8,710	nw.	36	s.	31	14	8	9	5.0	17.7	T.
Concord	289	70	79	29.39	29.71	−.29	30.4	−0.4	56	26	39	7	15	22	29	----	----	----	2.70	−0.3	11	6,418	nw.	22	nw.	29	14	7	10	4.6	15.3	T.
Burlington	403	11	48	29.31	29.77	−.23	25.1	−4.0	48	31	32	4	15	18	31	----	----	----	3.06	+1.0	13	9,132	nw.	34	s.	19	6	10	15	6.7	22.1	T.
Northfield	876	12	60	28.78	29.76	−.24	24.4	−2.0	50	30	33	2	15	16	35	21	16	73	3.02	+0.5	12	7,031	n.	27	n.	28	4	11	16	7.0	18.9	4.2
Boston	125	106	165	29.57	29.71	−.26	35.6	0.0	63	31	43	12	15	28	26	31	23	63	5.28	+1.7	12	8,440	nw.	32	s.	31	13	8	10	4.9	5.8	0.0
Nantucket	12	14	90	29.69	29.70	−.28	35.2	−0.3	53	27	41	15	15	29	21	32	27	73	4.52	+0.8	11	13,630	w.	47	e.	6	10	7	14	5.7	4.5	0.0
Block Island	26	11	46	29.69	29.72	−.26	35.1	−0.3	51	28	41	15	15	30	19	33	29	78	4.68	+0.8	11	15,874	w.	53	e.	6	14	5	12	5.5	2.2	0.0
Providence	160	215	251	29.55	29.72	−.26	35.1	−0.6	61	31	43	12	15	27	23	30	23	63	4.69	+1.2	9	12,109	nw.	47	nw.	8	14	6	11	4.7	1.3	0.0
Hartford	159	122	----	29.58	29.76	−.23	34.7	−0.3	56	2	42	12	15	28	24	----	----	----	4.89	+1.0	10	------	nw.	----	------	----	11	8	12	5.4	2.3	0.0
New Haven	106	74	153	29.65	29.77	−.22	35.8	0.0	58	2	43	14	15	28	28	32	27	73	6.28	+2.2	12	8,597	nw.	35	sw.	31	12	8	11	5.5	1.9	0.0
Middle Atlantic States							**38.5**	**−2.3**										**66**	**5.08**	**+1.6**										**5.9**		
Albany	97	107	115	29.69	29.80	−.21	31.6	−1.1	53	26	38	8	15	25	26	27	21	67	2.73	+0.1	11	7,463	n.	30	n.	28	14	7	10	5.1	17.2	T.
Binghamton	871	10	84	28.86	29.81	−.21	30.0	−2.6	55	30	37	7	9	23	33	----	----	----	4.14	+1.5	15	6,637	nw.	31	nw.	28	2	7	22	8.3	28.2	1.5
New York	314	414	454	29.44	29.79	−.21	37.0	−0.7	61	26	45	13	10	29	23	31	23	60	5.52	+1.9	10	15,505	nw.	62	nw.	7	11	8	12	5.8	0.7	0.0
Bellefonte	1,050	5	36	28.72	29.85	------	30.7	------	58	25	39	4	9	23	38	27	23	78	3.56	------	13	------	w.	52	w.	22	3	9	19	7.8	24.0	T.
Harrisburg	374	94	104	29.44	29.85	−.18	36.0	−2.9	68	30	44	12	10	28	34	30	23	62	5.80	+2.8	11	8,051	nw.	32	w.	22	10	11	10	6.0	10.7	0.0
Philadelphia	114	123	367	29.72	29.85	−.17	39.4	−1.4	63	26	46	17	10	32	24	34	25	59	7.43	+4.0	12	11,773	nw.	44	ne.	6	7	10	14	6.0	5.8	0.0
Reading	325	81	103	29.48	29.84	------	36.3	−3.7	62	30	44	11	10	29	30	31	24	63	5.97	+2.4	10	7,565	nw.	34	w.	22	7	13	11	6.3	9.8	0.0
Scranton	805	72	103	28.97	29.86	−.16	32.1	−3.6	59	30	39	8	9	25	34	28	23	69	4.34	+1.1	12	6,813	nw.	34	nw.	7	5	11	15	6.7	15.7	T.
Atlantic City	52	37	172	------	29.84	−.18	38.2	−0.4	61	22	45	15	10	31	24	----	----	----	5.81	+2.2	10	14,447	w.	62	ne.	6	9	12	10	----	2.1	0.0
Cape May	17	13	49	------	------	------	39.2	−1.6	61	22	46	18	10	32	29	35	29	72	4.66	+0.9	10	------	nw.	----	------	----	1	18	12	----	2.1	0.0
Sandy Hook	22	10	55	29.76	29.79	------	37.4	------	62	26	44	16	10	31	19	33	28	72	5.60	+1.6	10	14,839	nw.	53	ne.	6	8	12	11	5.5	0.1	0.0
Trenton	190	159	183	29.61	29.82	------	36.8	−2.3	64	26	45	13	10	29	26	32	25	65	5.59	+2.2	11	11,112	nw.	46	ne.	6	10	10	11	5.8	1.8	0.0
Baltimore	123	100	215	29.73	29.86	−.17	40.3	−2.0	64	26	48	16	10	32	30	34	27	62	6.48	+2.8	10	10,541	nw.	47	sw.	7	14	8	9	5.1	2.7	0.0
Washington	112	62	85	29.76	29.88	−.16	40.0	−2.6	71	30	49	14	10	31	36	33	25	60	6.45	+2.7	11	7,804	nw.	36	nw.	6	12	10	9	5.1	4.0	0.0
Cape Henry	18	8	54	29.86	29.88	------	45.6	−1.0	82	22	54	21	10	38	39	40	34	67	3.43	−0.4	10	11,396	n.	54	e.	6	7	16	8	5.5	0.4	0.0
Lynchburg	681	153	188	29.15	29.90	−.15	43.4	−3.9	73	26	53	15	10	34	38	37	28	59	4.80	+1.3	8	7,228	nw.	39	nw.	6	10	11	10	5.5	0.8	0.0
Norfolk	91	170	205	29.80	29.90	−.13	46.4	−1.8	80	22	55	18	10	37	37	40	34	68	3.13	−0.6	10	11,738	s	56	w.	6	8	10	13	5.7	1.7	0.0
Richmond	144	11	52	29.74	29.90	−.14	43.9	−3.3	75	22	54	16	10	33	35	38	32	68	6.21	+2.5	8	8,104	nw.	38	n.	6	9	14	8	5.1	2.6	0.0
Wytheville	2,304	49	55	27.49	29.92	−.13	38.2	−4.1	68	26	48	9	10	28	34	32	26	67	3.41	0.0	14	6,767	w.	34	w.	22	10	11	10	5.6	4.5	0.0
South Atlantic States							**51.7**	**−2.0**										**63**	**4.28**	**+0.5**										**4.7**		
Asheville	2,253	89	104	27.56	29.96	−.10	42.6	−2.3	74	20	53	10	10	32	42	35	27	63	3.47	−0.5	13	7,763	nw.	34	nw.	6	13	10	8	4.6	0.7	0.0
Charlotte	779	55	62	29.08	29.92	−.13	49.0	−1.4	79	21	59	17	10	39	32	41	33	58	5.39	+1.2	10	5,978	sw.	30	sw.	22	12	10	9	4.8	0.2	0.0
Greensboro	886	6	56	28.95	29.92	------	44.0	------	76	21	56	15	10	32	38	37	30	64	6.26	------	10	7,731	nw.	42	sw.	22	12	9	10	5.3	1.7	0.0
Hatteras	11	5	50	------	29.91	−.13	50.1	−1.9	72	27	57	25	10	43	30	----	----	76	4.88	+0.6	11	12,413	nw.	56	w.	6	11	11	9	----	T.	0.0
Raleigh	376	103	146	29.50	29.91	−.14	48.0	−2.2	78	21	59	16	10	37	38	40	31	57	6.23	+2.4	12	8,370	nw.	40	nw.	6	11	9	11	5.4	3.3	0.0
Wilmington	72	73	106	29.86	29.93	−.12	51.8	−1.5	79	20	62	21	10	42	30	46	40	68	3.94	+0.8	12	9,436	nw.	49	sw.	28	12	11	8	4.7	T.	0.0
Charleston	48	11	92	29.90	29.95	−.11	55.4	−2.0	82	22	64	28	10	47	31	49	44	71	2.62	−0.4	10	9,222	sw.	40	s.	6	13	9	9	4.6	0.0	0.0
Columbia, S. C.	351	41	57	29.56	29.94	−.12	52.6	−2.6	82	21	63	19	10	42	32	44	35	58	3.03	−0.4	9	7,148	w.	35	sw.	28	13	8	10	4.9	3.5	0.0
Due West	711	10	55	29.18	29.97	------	50.0	------	79	1	61	17	10	39	34	----	----	----	3.21	------	10	8,463	w.	42	s.	22	13	7	11	4.8	T.	0.0
Greenville, S. C.	1,039	139	146	28.82	29.92	------	49.6	−0.3	77	1	60	17	10	40	29	41	31	56	5.41	+0.3	10	7,544	sw.	49	sw.	22	16	5	10	4.3	T.	0.0
Augusta	182	62	77	29.74	29.94	−.12	53.9	−2.1	81	1	65	22	10	43	32	45	58	58	4.74	+0.6	11	5,545	nw.	30	s.	27	16	5	10	3.9	1.7	0.0
Savannah	65	150	194	29.89	29.96	−.10	56.4	−2.6	84	22	66	24	10	46	33	48	41	65	2.34	−0.7	10	10,568	w.	48	w.	6	18	6	7	3.8	0.0	0.0
Jacksonville	43	209	245	29.94	29.99	−.07	59.2	−3.4	83	21	69	26	10	49	30	50	44	66	5.05	+2.1	12	9,638	nw.	49	sw.	6	12	9	10	5.0	0.0	0.0
Florida Peninsula							**68.2**	**−1.6**										**75**	**1.82**	**−0.2**										**5.2**		
Key West	22	10	64	29.96	29.98	−.07	72.6	0.0	85	22	78	57	8	67	18	66	63	75	0.92	−0.5	5	8,416	n.	40	sw.	6	10	12	9	5.2	0.0	0.0
Miami	25	124	168	29.97	30.00	−.08	68.7	−1.5	84	4	77	39	14	60	29	62	59	76	1.85	−0.3	6	8,891	se.	41	sw.	6	9	9	13	5.9	0.0	0.0
Tampa	35	86	197	29.96	30.00	−.07	63.4	−3.4	85	26	74	35	10	53	30	56	52	75	2.68	+0.2	9	9,264	n.	40	nw.	6	8	13	10	5.6	0.0	0.0
Titusville	44	5	----	29.94	29.99	------	63.2	------	90	22	74	32	14	52	35	----	----	----	2.94	------	8	------	nw.	----	------	----	17	7	7	4.3	0.0	0.0
East Gulf States							**53.4**	**−4.1**										**67**	**4.39**	**−0.7**										**4.8**		
Atlanta	1,173	190	198	28.72	29.97	−.09	48.8	−3.2	80	2	58	15	10	39	31	41	34	62	4.53	−0.8	11	8,828	nw.	41	sw.	27	12	9	10	4.8	0.5	0.0
Macon	370	78	87	29.58	29.98	−.08	53.0	−3.7	82	3	65	19	10	41	35	44	36	58	4.09	−0.9	11	6,572	nw.	31	s.	27	17	6	8	4.1	T.	0.0
Thomasville	273	49	103	29.70	30.00	−.06	56.4	−3.8	83	2	67	22	10	46	32	49	43	70	4.86	+0.8	12	7,229	nw.	32	s.	27	12	9	10	5.2	0.0	0.0
Apalachicola	36	11	51	29.97	30.01	------	57.9	------	80	2	66	28	10	50	27	53	49	76	5.33	+1.1	9	7,433	nw.	32	e.	5	15	8	8	4.4	0.0	0.0
Pensacola	56	149	185	29.96	30.02	−.04	55.6	−4.7	75	4	63	23	10	48	24	52	48	80	2.02	−2.8	5	10,433	n.	35	sw.	27	14	8	9	4.6	0.0	0.0
Anniston	741	9	57	------	------	------	49.3	−3.2	82	2	60	16	10	38	37	----	----	----	5.83	------	9	5,275	nw.	24	w.	27	14	7	10	----	T.	0.0
Birmingham	700	11	48	29.23	30.00	−.06	50.4	−5.0	82	2	61	16	10	40	33	42	35	61	5.23	−0.5	8	6,502	nw.	34	w.	27	14	6	11	4.7	0.3	0.0
Mobile	57	125	161	29.95	30.01	−.05	55.6	−4.1	78	27	64	24	10	47	30	50	44	72	3.33	−2.6	9	8,509	s.	31	nw.	6	12	7	12	5.1	0.0	0.0
Montgomery	223	100	112	29.76	30.01	−.05	53.6	−4.2	83	20	64	20	10	43	29	45	37	59	4.17	−1.8	11	6,703	nw.	28	nw.	27	15	5	11	4.9	0.1	0.0
Corinth	469	6	----	------	------	------	49.4	------	88	2	61	16	9	38	37	----	----	----	4.14	------	9	------	n.	----	------	----	5	19	7	----	T.	0.0
Meridian	375	87	95	29.61	30.01	−.04	52.6	−4.5	83	20	63	20	10	42	38	45	37	63	5.58	+0.4	7	5,886	nw.	34	w.	27	14	6	11	4.7	T.	0.0
Vicksburg	247	65	73	29.75	30.04	.00	53.4	−5.1	81	20	62	22	10	45	29	46	39	62	6.64	+1.1	9	7,154	n.	32	w.	27	9	10	12	5.7	T.	0.0
New Orleans	53	76	84	29.97	30.02	−.02	58.8	−4.0	83	21	68	28	10	50	27	51	46	69	2.54	−2.2	9	6,301	sw.	24	sw.	27	9	12	10	5.1	0.0	0.0
West Gulf States							**54.4**	**−4.8**										**66**	**2.37**	**−0.4**										**5.0**		
Shreveport	249	204	220	29.74	30.01	−.01	54.0	−4.3	84	20	63	20	9	45	38	47	39	63	5.95	+1.8	9	10,011	s.	40	nw.	21	13	9	9	5.1	0.1	0.0
Bentonville	1,303	11	44	28.58	29.97	−.04	42.8	−4.5	80	20	53	7	9	32	37	----	----	----	2.07	------	9	6,356	s.	29	s.	29	16	6	9	----	1.0	0.0
Fort Smith	457	79	94	29.50	29.99	−.02	48.0	−4.6	86	20	59	13	9	37	41	41	33	61	2.88	−0.1	11	7,300	nw.	38	w.	21	9	11	11	5.8	1.5	0.0
Little Rock	357	136	153	29.62	30.01	−.02	49.4	−3.6	84	20	59	15	9	40	39	41	32	57	5.23	+0.6	11	8,130	n.	38	sw.	21	9	8	14	6.0	0.1	0.0
Austin	605	136	148	29.37	30.01	------	55.4	−5.3	88	20	67	23	13	44	37	47	40	63	2.15	−0.2	9	8,181	n.	34	nw.	21	14	6	11	4.7	0.4	0.0
Brownsville	57	83	100	29.93	29.99	------	62.8	−5.4	90	21	72	32	11	54	31	56	52	76	2.39	+1.1	6	9,675	se.	38	nw.	5	12	9	10	5.3	0.0	0.0
Corpus Christi	20	11	78	30.00	30.02	+.04	60.3	−4.7	88	21	68	30	11	52	29	54	50	75	1.50	−0.1	7	9,836	se.	34	se.	20	8	7	16	6.3	0.2	0.0
Dallas	512	220	227	29.43	30.02	------	52.4	------	89	20	64	20	9	41	38	----	----	----	1.18	−1.7	7	11,050	n.	44	w.	21	18	6	7	3.8	0.4	0.0
Fort Worth	670	106	114	29.27	29.99	+.01	54.1	−3.6	91	20	66	22	9	42	39	43	33	51	0.63	−1.7	4	7,627	nw.	33	s.	21	14	6	11	5.2	T.	0.0
Galveston	54	106	114	29.94	30.00	−.01	58.2	−4.2	81	21	64	30	10	52	29	53	49	76	1.10	−1.6	8	8,467	se.	38	n.	5	12	9	10	4.9	T	0.0
Houston	138	292	314	29.88	30.03	------	57.7	−5.6	84	19	67	27	9	49	31	----	----	----	1.22	−2.3	6	10,675	s.	46	nw.	27	14	6	11	4.9	0.8	0.0
Palestine	510	64	72	29.49	30.02	+.02	53.4	−5.7	84	20	64	21	9	43	36	47	40	66	3.50	0.0	10	7,680	s.	30	nw.	27	16	5	10	4.5	1.2	0.0
Port Arthur	34	58	63	29.97	30.01	------	57.6	------	86	21	66	29	13	50	31	----	----	----	1.68	------	8	7,588	s.	32	nw.	27	12	14	5	4.5	T.	0.0
San Antonio	693	242	301	29.27	30.00	+.02	57.4	−5.4	88	19	68	24	13	46	39	51	45	68	1.05	−0.8	4	9,633	n.	44	n.	4	13	11	7	4.6	T.	0.0
Taylor	571	38	51	29.44	30.05	+.06	54.1	−5.6	88	20	66	22	13	42	40	----	----	----	2.03	−0.1	7	8,328	s.	30	nw.	27	15	8	8	4.4	T.	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, March, 1932*—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 .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							**38.8**	**−5.4**										**69**	**3.84**	**−0.3**										**6.7**		
Chattanooga	762	190	215	29.16	29.98	−0.08	47.0	−4.2	80	2	57	16	6	37	32	40	31	58	6.18	+0.4	9	7,094	nw.	45	sw.	21	12	7	12	5.4	T.	0.0
Knoxville	995	102	111	28.89	29.97	−.09	45.6	−3.1	77	20	55	15	10	36	30	38	30	59	4.88	−0.2	12	6,330	sw.	30	sw.	26	9	8	14	5.9	0.8	0.0
Memphis	399	78	86	29.57	30.00	−.04	47.8	−4.5	83	20	56	14	9	39	38	42	36	64	4.28	−1.0	11	7,398	n.	38	w.	21	11	8	12	5.7	T.	0.0
Nashville	546	168	191	29.42	30.02	−.03	44.4	−4.8	80	20	54	12	9	35	31	39	34	69	4.89	−0.2	10	8,370	nw.	38	nw.	27	9	11	11	5.9	0.3	0.0
Lexington	989	193	230	28.90	30.00	−.05	37.0	−6.7	71	21	46	5	9	28	33				4.95	+0.6	15	10,848	nw.	44	w.	22	9	11	11	5.7	2.0	0.0
Louisville	525	188	234	29.40	30.00	−.05	38.7	−6.7	71	21	47	6	9	30	31	34	28	70	3.92	−0.5	10	9,313	nw.	37	n.	27	4	11	16	7.1	1.6	0.0
Evansville	431	76	116	29.52	30.00	−.04	39.6	−6.3	71	21	48	10	9	31	33	35	30	70	3.60	−0.6	18	8,438	nw.	41	sw.	30	7	12	12	5.8	3.6	0.0
Indianapolis	822	194	230	29.06	29.97	−.07	33.3	−6.7	67	29	42	4	9	25	31	29	24	72	1.96	−2.0	12	9,719	w.	29	nw.	22	3	12	16	7.3	2.0	0.0
Royal Center	736	11	55	29.14	29.97		29.3		65	29	38	2	9	21	35				2.53	−0.4	13	9,018	w.	30	w.	6	1	11	19	7.6	4.8	0.0
Terre Haute	575	96	129	29.34	29.98		35.2		69	29	44	7	9	27	32	31	26	72	1.74	−2.0	14	8,504	nw.	30	n.	21	7	5	19	6.5	3.8	0.0
Cincinnati	627	11	51	29.28	29.98	−.07	36.2	−4.7	67	25	45	6	9	27	34	31	26	74	3.22	−0.7	15	7,722	sw.	30	sw.	22	4	10	17	7.0	1.6	0.0
Columbus	822	216	230	29.05	29.95	−.09	34.6	−4.5	62	30	43	5	9	26	30	30	25	71	2.20	−1.3	17	10,549	w.	36	w.	22	2	12	17	7.5	1.7	T.
Dayton	899	137	173	28.98	29.97		34.3	−6.2	65	25	42	5	9	26	30	30	25	74	3.02	−0.7	15	8,328	nw.	34	s.	21	1	19	11	7.0	1.6	0.0
Elkins	1,947	59	67	27.84	29.96	−.09	33.6	−6.4	69	21	43	5	9	24	43	29	25	75	7.06	+3.3	15	6,146	w.	29	w.	31	2	7	22	8.0	12.9	0.2
Parkersburg	637	77	82	29.28	29.96	−.09	37.6	−5.2	75	21	46	9	9	29	40	32	26	68	3.72	+0.2	17	6,567	sw.	35	se.	22	9	5	17	6.4	3.0	0.0
Pittsburgh	842	353	410	29.00	29.92	−.12	33.6	−6.0	67	30	42	5	9	26	32	29	24	69	3.24	+0.2	16	9,229	w.	41	w.	22	0	9	22	8.3	8.2	T.
Lower Lake Region							**29.4**	**−3.5**										**74**	**3.70**	**+1.0**										**7.7**		
Buffalo	767	243	280	28.99	29.84	−.18	28.5	−2.6	59	30	34	7	9	23	27	26	22	79	3.35	+0.8	18	13,826	w.	53	w.	7	0	11	20	8.2	21.6	3.0
Canton	448	10	61	29.29	29.79		23.0	−4.7	54	30	32	−3	21	14	33				4.08	+1.6	17	7,708	w.	34	w.	19	9	9	13	5.8	29.1	1.0
Ithaca	836	74	100	28.90	29.83		30.4	−1.4	53	30	38	6	9	23	30	27	22	73	4.55	+2.2	13	9,261	nw.	32	se.	22	3	6	22	8.1	29.3	1.0
Oswego	335	71	85	29.44	29.82	−.19	29.0	−2.2	55	30	34	9	9	24	25	26	21	72	4.96	+2.4	19	10,481	nw.	38	n	28	2	4	25	8.2	42.5	2.3
Rochester	523	86	102	29.26	29.85	−.17	29.7	−2.1	65	30	36	8	9	24	31	26	22	72	4.77	+2.0	18	8,475	w.	32	sw.	19	3	6	22	7.9	32.1	3.0
Syracuse	596	65	79	29.15	29.81	−.21	29.5	−1.9	56	30	36	8	15	23	27				5.82	+2.8	19	6,693	w.	28	sw.	22	2	10	19	8.0	41.4	1.0
Erie	714	130	166	29.10	29.89	−.13	30.3	−3.2	68	30	36	5	9	24	34	27	23	76	3.44	+0.8	15	11,437	w.	44	sw.	30	3	4	24	8.1	19.9	2.0
Cleveland	762	267	337	29.06	29.90	−.13	31.0	−3.6	66	30	37	6	9	25	30	27	22	72	3.39	+0.7	17	12,055	w.	48	s.	30	2	5	24	8.4	12.0	T.
Sandusky	629	5	67	29.23	29.93	−.10	31.6	−3.5	65	30	38	5	9	25	32				3.62	+0.9	13	8,637	w.	30	sw.	30	0	12	19	7.6	4.9	T.
Toledo	628	208	243	29.24	29.94	−.09	30.8	−4.5	60	30	38	4	9	24	32	27	21	67	1.98	−0.6	10	10,713	w.	41	sw.	30	3	12	16	7.3	8.2	T.
Fort Wayne	856	100	119	29.00	29.96		29.8	−9.1	61	29	37	2	9	23	29	27	23	80	1.97	−1.2	13	8,570	w.	30	s.	30	2	10	19	7.7	3.3	0.0
Detroit	730	218	258	29.11	29.92	−.11	29.8	−3.6	58	30	36	5	9	23	21	27	23	78	2.15	−0.2	14	8,999	sw.	38	sw.	30	2	14	15	6.9	11.7	0.0
Upper Lake Region							**24.8**	**−3.5**										**77**	**1.89**	**−0.3**										**7.4**		
Alpena	609	13	89	29.21	29.90	−.13	24.6	−0.9	62	30	32	4	10	18	30	22	17	73	0.95	−1.0	15	9,413	nw.	31	sw.	30	0	12	19	7.7	9.3	0.0
Escanaba	612	54	60	29.25	29.94	−.10	22.0	−2.2	48	30	29	−2	8	15	23	20	16	80	1.33	−0.6	10	7,922	nw.	29	nw.	9	6	9	16	7.0	9.0	0.0
Grand Haven	632	54	89	29.23	29.94	−.09	27.4	−4.3	58	29	33	7	8	22	31	25	23	84	2.35	0.0	16	9,249	w.	35	w.	7	1	5	25	8.9	32.1	0.0
Grand Rapids	707	70	244	29.15	29.94	−.09	28.4	−5.0	59	30	34	7	8	22	25	25	21	76	2.37	−0.1	14	8,957	w.	35	sw.	30	2	7	22	8.2	25.3	0.0
Houghton	668	64	99	29.17	29.92	−.12	20.2	−2.6	43	29	27	−6	15	14	39				2.55	+0.6	17	7,736	w.	29	w.	7	5	6	20	7.4	25.9	7.5
Lansing	878	6	88	28.95	29.91		26.3	−5.9	55	30	34	2	9	19	26	25	23	89	2.09	−0.3	15	8,275	w.	29	w.	7	0	13	18	7.9	19.1	T.
Ludington	637	60	66	29.21	29.92		27.2	−2.9	57	29	33	5	8	22	30	25	21	77	1.47	−0.8	17	8,633	w.	31	s.	30	2	8	21	7.8	12.3	0.0
Marquette	734	77	111	29.09	29.92	−.12	23.2	−1.6	50	30	30	1	8	17	24	20	16	80	2.00	−0.3	17	9,342	w.	35	nw.	9	2	6	23	8.0	19.7	0.3
Port Huron	638	70	120	29.18	29.89	−.14	28.0	−2.4	56	30	34	5	9	22	21	25	21	77	2.86	+0.8	14	9,670	nw.	32	n.	22	0	11	20	8.0	21.4	T.
Sault Sainte Marie	614	11	52	29.19	29.91	−.12	21.0	−0.6	50	30	29	−7	14	14	23	19	16	84	1.44	−0.4	15	6,905	nw.	30	nw.	7	3	13	15	7.1	9.9	T.
Chicago	673	7	131	29.22	29.97	−.06	30.1	−5.2	66	29	36	2	8	24	29	26	21	70	3.10	+0.5	14	9,227	nw.	29	ne.	21	7	10	14	6.1	11.3	0.0
Green Bay	617	109	141	29.25	29.94	−.10	24.4	−4.2	53	30	32	−5	7	17	24	21	14	65	0.95	−1.1	10	8,411	w.	32	w.	30	6	8	17	7.0	10.0	0.0
Milwaukee	681	125	221	29.19	29.95	−.08	27.7	−4.4	58	30	34	−2	7	21	31	24	19	72	2.20	−0.2	10	10,576	nw.	39	sw.	30	7	10	14	6.4	17.5	0.0
Duluth	1,133	5	47	28.70	29.97	−.09	17.2	−6.5	41	29	26	−15	7	8	29	14	10	75	0.86	−0.7	11	8,758	nw.	49	nw.	6	12	6	13	5.5	8.3	T.
North Dakota							**18.6**	**−3.8**										**80**	**0.67**	**−0.2**										**6.4**		
Moorhead	940	50	58	29.00	30.07	−.01	17.8	−4.9	53	29	26	−10	7	9	39	16	13	80	0.74	−0.3	10	7,941	nw.	28	nw.	30	3	9	19	7.6	11.4	T
Bismarck	1,674	8	57	28.22	30.08	+.02	20.5	−3.7	55	24	29	−17	6	12	33	19	15	79	0.73	−0.2	10	7,969	nw.	32	nw.	8	9	14	8	5.4	7.8	0.0
Devils Lake	1,478	11	44	28.42	30.07	+.02	16.2	−3.8	50	24	24	−17	7	8	33	14	11	82	0.72	−0.1	12	8,457	nw.	30	nw.	7	3	14	14	6.9	8.4	T.
Ellendale	1,457	10	56	28.44	30.06		20.3		55	24	29	−14	7	12	32				0.25	−0.6	11	10,944	nw.	44	nw.	8	3	14	14	7.0	4.2	T.
Grand Forks	833	12	67				17.0		45	27	25	−13	7	9	27	16			0.55		10		nw.	32	nw.	8	2	13	16		6.7	T
Williston	1,878	41	48	28.03	30.10	+.06	20.2	−2.7	52	31	29	−20	7	12	28	17	13	78	0.92	+0.2	8	6,933	nw.	40	se.	1	10	12	9	5.2	7.6	0.0
Upper Mississippi Valley							**30.1**	**−6.0**										**73**	**1.86**	**−0.4**										**6.2**		
Minneapolis	918	102	208	28.97	29.99		21.8	−7.8	62	29	29	−6	7	14	26				1.42	0.0	10	9,170	nw.	30	n.	6	4	10	17	7.2	13.4	T.
St. Paul	837	114	149	29.07	30.01	−.04	22.4	−6.7	61	29	30	−6	6	15	26				1.45	0.0	13	7,706	nw.	27	nw.	6	6	12	13	6.6	16.0	T.
La Crosse	714	11	48	29.19	29.99	−.05	25.0	−6.5	65	29	33	−5	6	17	34	22	18	77	1.34	−0.3	9	5,013	nw.	18	s.	29	8	8	15	6.4	12.0	0.0
Madison	974	70	78	28.88	29.98	−.06	24.4	−6.2	64	29	31	−4	7	18	32	22	18	78	1.38	−0.7	7	7,636	nw.	25	ne.	21	8	8	15	6.0	5.1	0.0
Wausau	1,247	4	62	28.57	29.96		21.6		48	30	30	−11	7	14	32				1.00	−0.8	7	5,883	nw.	24	w.	7	14	6	11	5.3	7.5	0.0
Charles City	1,015	10	51	28.91	30.03	−.02	24.4	−6.3	67	29	32	−5	8	17	31	21	18	78	1.97	+0.2	10	6,444	nw.	22	s.	30	7	14	10	5.8	19.1	0.0
Davenport	606	118	143	29.32	30.01	−.02	29.7	−6.4	71	29	37	1	8	22	32	26	20	71	2.58	+0.3	13	9,323	nw.	38	ne.	21	3	13	15	6.7	12.2	0.0
Des Moines	861	5	99	29.09	30.02	−.02	30.4	−5.5	73	29	39	0	8	22	33	26	21	71	1.19	−0.6	10	8,921	nw.	36	s.	29	5	15	11	6.4	6.4	0.0
Dubuque	700	81	96	29.22	30.00	−.04	27.2	−6.8	68	29	34	−2	8	20	36	24	19	74	2.73	+0.7	11	6,304	nw.	22	s.	29	12	6	13	5.7	14.5	T.
Keokuk	614	64	78	29.33	30.03	.00	32.9	−6.0	76	29	41	3	6	25	35	28	22	66	1.56	−0.8	10	7,360	nw.	27	sw.	29	9	9	13	5.9	4.8	0.0
Cairo	358	87	93	29.60	29.99	−.05	42.7	−4.5	74	21	51	11	9	34	33	38	32	69	4.19	[illegible]	12	8,233	nw.	32	sw.	21	3	13	15	6.8	2.0	0.0
Peoria	609	11	45	29.32	30.01	−.02	31.8	−5.2	72	29	40	3	6	24	34	27	23	76	2.51	[illegible]	8	6,848	nw.	23	s.	29	6	13	12	6.5	5.9	0.0
Springfield, Ill.	636	5	191	29.30	29.99	−.04	35.0	−5.2	74	29	44	7	7	26	33	30	25	73	1.59	[illegible]	8	9,552	nw.	34	s.	29	6	11	14	6.5	3.4	0.0
Hannibal	534	74	109	29.42	30.02	.00	35.4	−5.6	75	29	44	6	6	27	35				1.68	−0.9	9	8,208	nw.	32	sw.	29	8	10	13	5.8	3.0	0.0
St. Louis	568	265	303	29.37	30.00	−.03	38.8	−5.0	74	29	48	9	9	30	34	33	26	65	1.33	−2.0	9	9,869	nw.	41	sw.	29	9	12	10	5.8	0.3	0.0
Missouri Valley							**32.0**	**−5.6**										**72**	**1.32**	**−0.5**										**5.8**		
Columbia, Mo.	784	6	84	29.15	30.01	−.02	37.0	−5.6	76	29	46	8	7	28	32				1.16	−1.8	7	8,099	nw.	30	sw.	29	7	9	15	6.4	3.7	0.0
Kansas City	963	161	181	28.97	30.04	+.02	36.4	−6.3	73	29	45	5	8	28	34	31	25	68	2.30	−0.2	9	9,357	nw.	31	nw.	4	11	12	8	5.5	4.7	0.0
St. Joseph	967	11	49	28.96	30.03		34.6		73	29	44	2	8	25	33	29	24	71	1.52	−0.5	5	8,203	nw.	32	ne.	21	13	10	8	4.7	5.4	0.0
Springfield, Mo.	1,324	98	104	28.55	29.99	−.03	40.1	−5.1	76	25	50	5	9	31	40	34	29	70	2.52	−0.9	11	8,685	nw.	32	s.	29	15	8	8	4.5	2.0	0.0
Iola	984	11	50	28.94	30.02	+.01	38.6	−5.9	76	25	49	7	10	28	38				1.24	−1.4	11	6,479	n.	25	s.	29	11	12	8	5.1	2.0	0.0
Topeka	987	92	107				35.8	−6.8	74	29	46	4	7	26	38				1.31	−0.8	5	8,425	nw.	35	ne.	21	10	12	9	5.0	9.9	0.0
Lincoln	1,189	11	81	28.74	30.05	+.03	32.2	−5.3	75	29	41	0	8	24	30	28	22	70	0.81	−0.5	6	8,540	nw.	34	n.	21	7	16	8	5.9	6.7	0.0
Omaha	1,105	115	122	28.83	30.05	+.01	31.4	−5.6	75	29	40	1	8	23	30	27	20	67	0.85	−0.5	7	8,244	nw.	30	nw.	9	7	14	10	6.0	5.6	0.0
Valentine	2,598	47	54	27.28	30.10	+.07	25.8	−6.5	65	28	37	−11	10	15	40	22	18	79	0.92	−0.1	13	7,413	w.	32	n.	29	4	20	7	6.0	8.7	0.0
Sioux City	1,135	94	164	28.79	30.05	.00	28.0	−4.7	73	29	36	−3	8	20	36	25	20	72	1.16	0.0	7	9,854	nw.	37	nw.	30	5	10	16	6.8	6.4	0.0
Huron	1,306	59	74	28.63	30.08	+.02	24.6	−4.3	67	29	33	−9	6	16	42	21	18	79	1.29	+0.4	12	7,710	nw.	30	nw.	8	5	13	13	6.5	6.7	0.0
Pierre	1,572	70	75	28.36	30.09	+.04	26.4	−5.1	63	31	36	−8	6	17	33	23	17	70	0.98	+0.1	8	7,930	nw.	34	nw.	29	6	15	10	6.0	10.1	0.0
Yankton	1,233	49	57	28.70	30.07	+.02	27.6	−5.6	68	29	36	−2	6	19	39				1.16	−0.1	6	6,876	nw.	31	nw.	29	5	10	16	6.9	10.1	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, March, 1932*—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 .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							**26.2**	**−5.2**										**71**	**1.07**	**+0.1**										**6.3**		
Billings	3,140	5					25.6		64	28	38	−32	10	13	48				1.90		11		nw.				6	9	16		8.0	
Havre	2,505	11	67	27.40	30.14	+0.14	22.0	−5.1	62	31	31	−18	9	13	37	20	18	86	0.80	+0.3	14	6,566	sw.	29	sw.	26	5	11	15	6.7	9.1	0.0
Helena	4,124	89	113	25.78	30.11	+.10	25.2	−7.2	65	31	33	−19	9	17	29	21	14	63	1.55	+0.8	9	6,391	sw.	41	sw.	24	5	8	18	6.8	24.7	0.0
Kalispell	2,973	48	56	26.93	30.08	+.09	23.6	−4.3	53	31	36	−6	9	21	31	26	23	81	1.75	+0.8	12	4,804	nw.	21	nw.	25	5	3	23	7.5	16.8	0.0
Miles City	2,371	48	55	27.50	30.15	+.13	25.6	−3.0	62	31	34	−15	10	17	38	23	19	79	0.85	0.0	14	5,082	w.	31	w.	24	4	14	13	6.8	4.3	0.0
Rapid City	3,259	50	58	26.57	30.12	+.11	26.0	−6.6	63	28	36	−15	7	16	36	22	17	73	0.52	−0.4	8	6,298	n.	31	nw.	8	6	14	11	6.0	5.7	0.0
Cheyenne	6,088	84	101	23.90	30.05	+.09	25.8	−7.3	55	31	37	−20	12	15	48	20	13	59	1.40	+0.4	10	11,702	w.	44	w.	14	12	7	12	5.7	15.9	T.
Lander	5,372	60	68	24.56	30.04	+.05	29.9	−2.5	65	31	42	−5	9	18	40	24	16	63	0.44	−0.8	5	4,912	ne.	32	sw.	24	12	12	7	4.5	4.5	0.0
Sheridan	3,790	10	47	26.07	30.11		25.8		65	31	37	−21	11	14	52	21	15	68	1.65	+0.5	14	4,763	nw.	30	nw.	30	6	13	12	6.2	9.5	0.0
Yellowstone Park	6,241	11	48	23.80	30.13	+.11	21.6	−4.9	48	31	31	−19	11	12	44	18	12	70	1.23	−0.4	18	6,567	sw.	27	sw.	19	5	6	20	7.3	26.8	12.0
North Platte	2,821	11	51	27.04	30.06	+.06	30.9	−5.7	70	29	44	−6	10	18	44	25	19	71	0.54	−0.3	11	6,470	nw.	32	n.	29	6	17	8	5.5	4.0	0.0
Middle Slope							**37.4**	**−6.0**										**61**	**0.72**	**−0.5**										**5.3**		
Denver	5,292	106	113	24.64	30.02	+.07	33.3	−6.0	67	19	45	−5	9	22	42	26	14	52	0.83	−0.2	10	6,711	s.	35	n.	3	7	14	10	5.8	16.4	0.0
Pueblo	4,685	80	86	25.22	29.99	+.07	36.6	−5.0	74	19	51	−2	12	22	51	28	17	53	0.62	0.0	6	5,939	se.	38	w.	20	10	18	3	4.5	7.5	0.0
Concordia	1,392	50	58	28.56	30.08	+.07	34.0	−7.0	76	29	44	2	7	24	37	29	25	75	0.83	−0.4	6	7,254	n.	32	sw.	29	11	13	7	5.3	5.5	0.0
Dodge City	2,509	88	100	27.39	30.06	+.09	36.6	−6.2	78	29	48	4	7	25	44	30	23	65	0.91	0.0	10	9,605	nw.	43	n.	4	15	8	8	4.6	4.6	0.0
Wichita	1,358	139	158	28.56	30.02	+.03	38.1	−7.0	72	31	48	5	10	23	36	32	24	64	0.77	−1.0	8	9,433	n.	47	sw.	29	10	7	14	6.1	6.5	0.0
Oklahoma City	1,214	10	47	28.70	30.01	+.03	45.5	−4.5	84	25	58	11	9	33	39	36	27	57	0.39	−1.6	3	8,708	n.	30	nw.	4	13	4	14	5.3	T.	0.0
Southern Slope							**50.2**	**−4.4**										**48**	**0.73**	**−0.2**										**4.2**		
Abilene	1,738	10	52	28.18	30.00	+.04	52.0	−4.5	88	25	65	20	9	39	39	40	27	46	0.10	−1.2	2	8,555	s.	32	nw.	21	15	8	8	4.0	T.	0.0
Amarillo	3,676	10	49	26.21	29.98	+.04	44.0	−2.9	82	20	58	10	12	30	50	33	21	49	0.42	−0.3	7	6,968	sw.	27	nw.	21	14	8	9	4.4	5.0	0.0
Big Spring	2,537	5	62				49.4		89	20	64	18	11	35	43				0.20		2		s.				15	8	8	4.0	2.5	0.0
Del Rio	944	64	71	28.98	29.97	+.02	59.0	−4.5	96	20	72	25	13	46	41	47	34	48	1.03	+0.3	5	7,263	se.	44	n.	4	10	13	8	5.2	0.1	0.0
Roswell	3,566	75	85	26.33	29.97	+.07	45.8	−5.5	82	19	60	3	13	31	44	36	24	51	1.38	+0.6	6	6,983	sw.	49	sw.	20	19	5	7	3.6	7.9	0.0
Southern Plateau							**51.2**	**+0.5**										**46**	**0.10**	**−0.4**										**3.0**		
El Paso	3,778	152	175	26.15	29.94	+.06	52.2	−3.6	79	25	66	21	13	39	40	40	24	39	0.03	−0.3	2	9,498	w.	57	sw.	20	19	10	2	2.5	T.	0.0
Albuquerque	4,972	51	66	24.98	29.90		43.8		74	19	57	19	13	30	41	34	22	50	0.27		7	4,582	ne.	36	w.	20	11	15	5	4.3	2.4	0.0
Santa Fe	7,013	38	53	23.14	29.93	+.04	36.7	−3.0	64	19	48	12	9	26	36	29	20	55	0.41	−0.4	6	5,939	n.	30	sw.	20	11	14	6	4.7	3.2	0.0
Flagstaff	6,907	10	59	23.28	29.90	−.01	36.9	+1.0	66	31	51	0	4	23	44	31		69	0.44		4	6,769	nw.	33	nw.	20	12	13	6		3.2	0.0
Phoenix	1,108	10	107	28.77	29.93	+.02	61.9	+1.2	87	19	76	36	5	48	40	47	31	37	0.05	−0.6	1	5,122	e.	29	w.	20	22	6	3	2.2	0.0	0.0
Yuma	141	9	54	29.81	29.96	+.02	65.8	+1.7	92	19	81	41	6	51	43	51	32	35	0.00	−0.3	0	5,071	n.	31	nw.	20	26	5	0	1.3	0.0	0.0
Independence	3,957	6	27	25.99	30.03	+.09	54.0	+5.5	80	19	70	29	4	38	39	38			T.	−0.5	0		n.				23	2	6		0.0	0.0
Middle Plateau							**41.2**	**+0.3**										**54**	**0.75**	**−0.4**										**5.9**		
Reno	4,532	74	81	25.51	30.08	+.10	45.0	+4.0	70	30	57	22	4	32	38	36	26	52	0.20	−0.6	1	6,007	w.	46	w.	28	11	13	7	4.7	0.2	0.0
Tonopah	6,090	12	20				41.2		66	31	51	17	4	31	29	33	22	50	T.		0		nw.									
Winnemucca	4,344	18	56	25.67	30.11	+.10	40.9	+0.9	73	31	52	15	4	30	41	35	28	65	1.04	+0.1	9	6,575	sw.	32	w.	28	6	15	10	6.0	0.1	0.0
Modena	5,473	10	43	24.60	29.98	+.02	39.3	+1.1	69	31	52	16	13	26	44	32	22	54	0.26	−0.8	3	6,934	w.	36	nw.	20	7	16	8	5.5	1.6	0.0
Salt Lake City	4,360	163	203	25.64	30.06	+.08	39.9	−1.8	67	31	47	17	4	33	28	34	26	58	1.51	−0.5	14	5,482	nw.	32	nw.	20	2	11	18	7.5	5.0	0.0
Grand Junction	4,602	60	68	25.34	29.94	.00	40.9	−2.7	70	19	52	16	12	29	37	32	20	48	0.76	0.0	10	4,930	nw.	33	sw.	20	7	14	10	5.6	2.2	0.0
Northern Plateau							**40.6**	**−1.2**										**68**	**2.06**	**+0.9**										**7.6**		
Baker	3,471	48	53	26.48	30.13	+.10	36.4	−1.2	63	31	44	15	4	29	27	33	28	74	1.74	+0.6	16	4,682	se.	28	sw.	24	3	7	21	7.7	6.6	0.0
Boise	2,739	79	87	27.23	30.13	+.10	40.8	−1.9	70	31	48	22	13	33	31	36	30	66	2.93	+1.6	15	4,758	se.	23	se.	8	2	7	22	8.1	1.6	0.0
Lewiston	757	40	48	29.26	30.08	+.05	45.1	−0.3	66	31	53	28	9	38	27				2.14	+1.0	11	4,336	e.	27	sw.	24	3	6	22	8.1	3.8	0.0
Pocatello	4,477	60	68	25.47	30.09	+.08	34.1	−3.3	58	31	42	7	12	27	29	30	26	74	0.99	−0.3	11	8,077	sw.	35	sw.	6	3	9	19	7.0	5.7	0.0
Spokane	1,929	101	110	27.98	30.07	+.06	38.2	−1.5	65	31	46	13	11	31	30	34	28	70	2.69	+1.5	15	5,713	s.	31	sw.	24	5	8	18	7.2	12.5	0.0
Walla Walla	991	57	65	29.00	30.08	+.06	45.6	−0.5	72	31	53	26	11	38	28	40	35	67	3.43	+1.8	18	5,173	s.	30	w.	24	5	5	21	7.7	3.3	0.0
Yakima	1,076	58	67	28.91	30.07		44.2	+0.1	72	31	54	25	12	35	28	38	29	58	0.49	+0.1	9	4,929	nw.	34	sw.	24	2	12	17	7.5	2.0	0.0
North Pacific Coast Region							**46.8**	**+1.6**										**78**	**5.83**	**+1.9**										**8.6**		
North Head	211	11	56	29.84	30.07	+.06	45.6	+0.4	57	8	49	35	3	42	15	43	40	84	8.81	+3.2	24	13,760	s.	49	s.	23	0	4	27	9.1	0.0	0.0
Port Angeles	29	8	53		30.04		44.8		57	31	50	31	3	40	18				1.93	−0.3	19	4,989	s.	27	w.	20	1	14	16		T.	0.0
Seattle	125	215	250	29.91	30.04	+.05	46.4	+1.5	63	12	52	31	3	41	22	42	37	73	3.55	+0.5	24	8,212	s.	41	sw.	24	0	6	25	8.7	1.8	0.0
Tacoma	194	172	201	29.84	30.06	+.06	46.6	+2.4	62	12	52	29	3	41	23				6.09	+2.6	20	7,066	s.	42	sw.	24	0	6	25	8.9	T.	0.0
Tatoosh Island	86	9	53	29.90	30.00	+.04	44.4	+1.5	54	11	48	36	1	41	12	43	42	89	13.94	+6.1	24	13,739	e.	57	e.	8	1	7	23	8.4	0.0	0.0
Medford	1,329	29	58	28.70	30.13		47.7		75	31	58	22	3	37	40	43	38	72	2.43	+0.7	15	4,260	nw.	24	se.	8	2	9	20	8.1	T.	0.0
Portland, Oreg	153	68	106	29.94	30.10	+.08	48.0	+1.1	67	30	54	31	3	42	22	44	39	74	6.08	+2.2	24	6,216	sw.	30	e.	8	0	4	27	9.1	T.	0.0
Roseburg	510	75	99	29.58	30.14	+.10	50.0	+2.9	77	31	58	28	3	42	38	46	41	74	3.79	+0.5	17	3,615	sw.	24	sw.	24	1	12	18	7.8	0.0	0.0
Middle Pacific Coast Region							**55.6**	**+2.7**										**70**	**1.42**	**−1.9**										**5.1**		
Eureka	62	73	89	30.12	30.19	+.13	50.4	+2.1	65	12	56	32	3	44	26	48	45	85	4.54	−0.7	17	5,465	n.	30	sw.	31	5	11	15	7.0	0.0	0.0
Red Bluff	330	5	58	29.74	30.10	+.06	57.4	+3.8	83	30	68	40	4	46	34	49	39	56	0.92	−2.3	7	5,164	nw.	23	w.	2	10	10	11	5.4	0.0	0.0
Sacramento	69	106	117	30.02	30.09	+.06	57.1	+2.8	78	31	68	37	4	46	30	51	46	63	0.34	−2.2	7	6,054	se.	27	nw.	3	18	8	5	3.0	0.0	0.0
San Francisco	155	208	243	29.94	30.11	+.05	57.1	+2.9	77	30	64	45	6	50	26	50	45	71	0.86	−2.3	6	4,748	w.	32	nw.	28	10	11	10	5.2	0.0	0.0
San Jose	141	12	110	29.97	30.12		55.8	+2.1	80	31	68	34	4	44	38				0.45	−2.2	4	4,681	nw.	25	sw.	13	13	9	9	5.1	0.0	0.0
South Pacific Coast Region							**59.9**	**+3.5**										**63**	**0.42**	**−1.6**										**3.7**		
Fresno	327	89	98	29.73	30.09	+.08	58.4	+3.4	86	31	70	39	1	47	33	50	42	60	0.83	−0.8	1	5,155	nw.	32	nw.	20	17	7	7	4.2	0.0	0.0
Los Angeles	338	159	191	29.67	30.04	+.02	62.2	+4.7	86	26	72	48	7	53	30	52	43	59	0.01	−2.8	1	4,431	sw.	28	nw.	20	20	7	4	3.0	0.0	0.0
San Diego	87	62	70	29.94	30.03	+.01	59.0	+2.3	77	27	66	44	21	52	25	53	48	70	0.42	−1.3	2	4,576	w.	21	w.	20	16	10	5	3.9	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.89	29.98		76.6	+1.2	89	6	82	67	5	71	20				1.08	−2.1	10	8,357	e.	32	ne.	30	11	16	4	4.5	0.0	0.0
Panama Canal																																
Balboa Heights	118	6	97		[1]29.84	.00	80.9	−0.3	93	13	90	68	2	72	22			[1]75	0.13	−0.6	1	6,505	n.	25	n.	30	1	30	0	5.5	0.0	0.0
Cristobal	36	6	97		[1]29.86	−.01	81.6	+0.1	91	5	86	72	2	77	18	74	72	[1]76	2.69	+1.1	12	8,796	n.	27	n.	14	10	16	5	5.1	0.0	0.0
Alaska																																
Fairbanks	455	11	44	[2]29.35	[2]29.90		13.6		48	23	29	−34	1	−2	42	14	7	68	0.10		1	3,060	n.	15	ne.	12	7	14	10	5.5	2.8	20.5
Juneau	80	11	50	[2]29.82	[2]29.91		33.7		46	26	38	15	2	30	19	31	24	69	2.82		21	5,761	s.	28	se.	3	6	3	22	7.5	7.4	0.0
Hawaiian Islands																																
Honolulu	38	86	100	[2]29.99	[2]30.03		71.9	+0.5	79	24	77	58	7	67	16	65	62	73	3.05	−0.2	13	6,731	e.	25	e.	27	12	9	10	5.3	0.0	0.0

[1] Observations taken bihourly.

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

TABLE 2.—*Data furnished by the Canadian Meteorological Service, March, 1932*

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	*Inches*	*Inches*	*Inches*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*Inches*	*Inches*	*Inches*
Cape Race, N. F	99				28.7		32.8	24.6	42	6	7.42		25.0
Sydney, C. B. I	48	29.47	29.52	−0.36	28.6	+2.4	35.3	21.9	48	4	5.12	+0.19	7.0
Halifax, N. S	88	29.44	29.55	−.39	30.7	+1.7	37.3	24.0	54	9	2.98	−2.48	4.5
Yarmouth, N. S	65	29.48	29.55	−.40	31.5	+0.7	37.3	25.8	51	14	3.10	−1.90	6.8
Charlottetown, P. E. I	38	29.44	29.48	−.42	26.0	+0.6	32.0	20.0	46	6	3.56	+0.35	19.8
Chatham, N. B	28	29.44	29.47	−.43	24.8	+1.8	34.6	15.0	52	−3	3.23	−0.24	19.4
Father Point, Que	20												
Quebec, Que	296	29.37	29.70	−.26	20.2	−1.0	27.0	13.4	41	−4	4.20	+0.94	33.3
Doucet, Que	1,236				7.8		22.8	−7.1	44	−32	2.97		25.1
Montreal, Que	187	29.53	29.75	−.25	23.2	−0.6	29.0	17.4	44	3	5.94	+2.15	45.4
Ottawa, Ont	236	29.52	29.79	−.22	24.0	+2.5	32.4	15.7	47	−1	2.81	+0.09	24.3
Kingston, Ont	285	29.48	29.80	−.21	26.6	+1.0	33.1	20.0	47	−2	3.03	+0.39	23.0
Toronto, Ont	379	29.43	29.86	−.16	29.2	+1.9	34.8	23.5	58	5	1.60	−1.04	14.5
Cochrane, Ont	930				12.0		21.0	3.0	44	−17	1.92		18.3
White River, Ont	1,244	28.51	29.88	−.15	9.0	−3.2	22.3	−4.2	39	−36	2.23	+0.85	22.3
London, Ont	808												
Southampton, Ont	656	29.12	29.85	−.18	26.5	+1.8	32.9	20.1	57	5	3.44	+0.79	26.2
Parry Sound, Ont	688	29.13	29.84	−.18	22.6	+1.5	30.9	14.4	54	−5	4.40	+2.17	35.0
Port Arthur, Ont	644	29.19	29.92	−.13	17.9	+1.1	27.0	8.8	37	−9	1.56	+0.59	15.6
Winnipeg, Man	760												
Minnedosa, Man	1,690	28.18	30.10	+.04	10.2	−2.3	20.0	0.5	42	−25	1.73	+1.08	17.3
Le Pas, Man	860				2.2		15.6	−11.1	29	−32	0.55		5.5
Qu'Appelle, Sask	2,115	27.72	30.08	+.04	11.8	−3.1	21.1	2.5	46	−26	1.26	+0.49	12.6
Moose Jaw, Sask	1,759				15.4		25.6	5.2	49	−30	1.02		9.2
Swift Current, Sask	2,392	27.43	30.07	+.05	18.1	−3.9	26.3	9.8	50	−23	0.58	−0.23	4.2
Medicine Hat, Alb	2,365	27.53	30.11	+.11	18.7	−8.8	26.8	10.7	52	−26	0.52	−0.24	3.8
Calgary, Alb	3,540	26.26	30.10	+.15	16.8	−9.4	24.4	9.2	50	−22	1.06	+0.34	10.6
Banff, Alb	4,521	25.28	30.01	+.07	23.0	+2.8	33.3	12.6	48	−22	0.58	−0.83	5.4
Prince Albert, Sask	1,450	28.53	30.20	+.12	6.9	−5.1	19.1	−5.3	39	−36	0.93	+0.16	9.3
Battleford, Sask	1,592	28.34	30.19	+.13	6.1	−7.0	16.8	−4.7	37	−36	0.16	−0.30	1.6
Edmonton, Alb	2,150	27.71	30.11	+.15	12.8	−11.4	22.6	3.0	50	−30	0.89	+0.17	8.9
Kamloops, B. C	1,262												
Victoria, B. C	230	29.77	30.03	+.06	45.0	+3.1	49.2	40.8	59	31	3.95	+0.83	0.9
Barkerville, B. C	4,180												
Estevan Point, B. C	20												
Prince Rupert, B. C	170												
Hamilton, Ber	151												

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Sydney, C. B. I. (November)	48	30.00	30.05	+0.10	41.9	+4.8	48.6	35.2	66	24	1.38	−4.06	T.
Halifax, N. S. (November)	88	29.97	30.08	+.07	42.7	+5.4	49.4	36.0	66	20	2.08	−3.58	0.1
Yarmouth, N. S. (November)	65	29.99	30.06	+.04	44.5	+4.6	50.6	38.4	60	24	1.10	−3.39	T.
Charlottetown, P. E. I. (November)	38	29.94	29.98	+.02	41.9	+6.4	47.1	36.7	62	22	1.29	−2.68	1.2
Chatham, N. B. (November)	28	29.92	29.95	−.02	39.6	+8.6	48.0	31.3	70	11	1.51	−2.24	0.0
Father Point, Que. (October)	20	29.85	29.87	−.08	44.1	+4.3	50.5	37.7	72	30	2.67	−0.23	0.0
Father Point, Que. (November)		29.93	29.95	−.01	37.2	+8.3	43.7	30.8	63	16	2.22	−0.89	0.8
Winnipeg, Man. (November)	760	29.12	29.98	−.06	30.3	+12.3	37.5	23.2	66	−1	1.17	+0.09	8.2
Medicine Hat, Alb. (November)	2,365	27.45	30.00	.00	24.6	−2.8	34.3	15.0	70	−16	1.34	+0.42	9.0
Calgary, Alb. (November)	3,540	26.21	30.01	+.03	23.8	−2.0	33.4	14.2	67	−16	0.32	−0.56	3.2
Banff, Alb. (November)	4,521	25.29	30.05	+.09	20.2	−5.6	27.7	12.7	51	−17	1.50	−0.77	8.4
Edmonton, Alb. (November)	2,150	27.58	29.93	−.04	22.9	0.0	32.0	13.7	74	−17	0.70	+0.12	7.0
Edmonton, Alb. (December)		27.44	29.81	−.12	15.7	+2.6	23.6	7.9	50	−13	1.05	+0.35	10.5
Kamloops, B. C. (November)	1,262	28.77	30.10	+.14	29.4	−4.0	34.7	24.2	65	8	0.89	−0.57	8.0
Estevan Point, B. C. (November)	20				41.5		47.9	35.2	58	26	10.22		0.0
Prince Rupert, B. C. (November)	170				37.9		42.9	33.0	54	22	9.47		T.
Hamilton, Ber. (January)	151	29.95	30.12	−.01	59.8	−2.2	67.6	52.0	73	47	7.92	+2.98	0.0
Hamilton, Ber. (February)		29.85	30.02	−.09	61.2	−0.3	66.9	55.5	73	49	9.42	+4.98	0.0
Hamilton, Ber. (March)		29.77	29.94	−.14	62.2	0.0	68.2	56.2	73	51	5.29	+0.16	0.0
Hamilton, Ber. (June)		29.94	30.10	−.02	74.9	−0.1	81.1	68.7	86	64	2.61	−3.34	0.0
Hamilton, Ber. (July)		29.98	30.14	.00	79.9	+1.2	85.9	74.0	90	66	2.27	−2.17	0.0