CLIMATOLOGICAL TABLES[1]

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, 1928

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	56.2	+0.1	Selma	89	30	Valley Head	22	1	6.28	+0.53	Alaga	9.71	Pushmataha	2.92
Arizona	55.4	+2.9	Quartzite	96	21	Alpine	−1	15	0.20	−0.93	Bright Angel	1.80	31 stations	0.00
Arkansas	52.7	0.0	Helena	92	29	3 stations	20	[2] 2	2.53	−2.21	Lambrook	6.91	Mountain Home	0.73
California	54.1	+2.5	Angiola	102	19	Helm Creek	−12	28	5.38	+1.58	Deer Creek	24.14	3 stations	0.00
Colorado	36.9	+2.1	Lamar	85	23	Dillon	−26	16	1.61	+0.35	Savage Basin	5.25	Blanca	0.09
Florida	66.7	+1.0	Hypoluxo	95	26	Garniers	31	18	4.31	+1.37	Apalachicola	13.97	Key West	0.34
Georgia	56.7	0.0	2 stations	90	29	2 stations	18	19	6.42	+1.73	Thomasville	9.67	Double Branches	3.45
Idaho	38.4	+2.6	3 stations	81	[2] 20	do	−27	2	2.87	+1.20	Roland	8.96	Mud Lake	0.13
Illinois	42.8	+2.2	Carbondale	86	22	Waukegan	5	5	1.54	−1.67	Newton	3.58	Astoria	0.45
Indiana	39.6	−1.1	4 stations	83	23	Mauzy	6	17	1.81	−2.05	Terre Haute	4.55	Rochester	0.19
Iowa	38.9	+4.3	2 stations	88	23	Lake Park	1	5	1.44	−0.32	Davenport (No. 2)	2.75	Oakland	0.36
Kansas	46.7	+2.9	3 stations	89	[2] 22	3 stations	6	[2] 16	1.41	−0.07	Newton	3.18	Olathe	0.26
Kentucky	45.6	−0.8	do	85	[2] 23	Shelbyville	12	[2] 1	2.64	−2.20	Middleboro	5.40	Scott	0.99
Louisiana	62.4	+1.7	Schriever	92	11	Amite	29	18	4.39	−0.28	Logansport	9.34	Delta Farms	1.85
Maryland-Delaware	41.8	−0.8	2 stations	83	24	Oakland, Md	7	6	2.95	−0.71	Frostburg, Md	4.99	Great Falls, Md	1.82
Michigan	28.8	−0.9	Bangor	80	25	Humboldt	−30	6	1.95	−0.27	Bay City	5.70	Twin Falls	0.60
Minnesota	28.2	+2.4	Gull Lake Dam	87	25	Itasca State Park	−23	5	0.82	−0.32	Fosston	2.80	Alexandria	T.
Mississippi	57.7	+0.6	2 stations	90	26	University	23	18	5.29	−0.51	Columbia	7.50	Hernando	1.50
Missouri	46.3	+2.5	do	89	[2] 22	Unionville	10	5	1.54	−1.46	Bolivar	3.56	Lamonte	0.11
Montana	35.6	+5.4	Sun River Canyon	82	20	Hebgen Dam	−23	1	0.75	−0.16	Heron	6.18	Crow Agency	0.00
Nebraska	40.8	+5.2	4 stations	90	[2] 22	Mitchell (near)	−12	1	0.96	−0.14	Curtis	2.61	Mitchell (near)	0.28
Nevada	45.5	+4.0	Logandale	89	26	Rye Patch	7	15	1.36	+0.56	Carson City	4.46	Searchlight	0.00
New England	30.8	−1.4	2 stations	73	[2] 25	2 stations	−23	[2] 4	2.36	−0.87	Plymouth, Mass	4.41	Milo, Me	1.11
New Jersey	38.3	−0.4	Vineland	82	25	Layton	6	11	2.84	−1.08	Chatham	3.82	Phillipsburg	1.70
New Mexico	45.8	+2.4	3 stations	92	27	2 stations	−15	16	0.38	−0.45	Red River Canyon	2.94	26 stations	0.00
New York	31.1	−0.9	Dansville	77	24	Stillwater Reservoir	−19	6	3.00	−0.06	North Lake	5.95	Lauterbrunnen	1.02
North Carolina	50.0	−0.2	Hot Springs	86	29	Mount Mitchell	4	2	3.46	−0.82	Rock House (No. 1)	7.87	Southport	1.25
North Dakota	28.1	+5.5	Edgeley	85	24	2 stations	−17	7	0.54	−0.29	Cando	2.60	2 stations	0.00
Ohio	38.1	−1.4	2 stations	82	26	Medina	4	6	2.84	−0.64	Cadiz	4.79	Wilmington	0.98
Oklahoma	52.2	+2.2	Waurika	97	28	Boise City	12	16	1.65	−0.58	Watts	3.38	Altus	0.35
Oregon	45.4	+3.2	2 stations	83	18	Ukiah	6	2	5.41	+2.38	Valsetz	27.92	Prineville	0.58
Pennsylvania	37.0	−0.5	Newell	82	13	Brookville	−3	5	3.24	−0.30	Elk Lick	5.45	Ansonia	1.65
South Carolina	53.9	−0.9	2 stations	88	29	Walhalla	19	19	3.87	−0.03	Beaufort (near)	6.76	Rimini	1.20
South Dakota	36.6	+5.4	Vermillion	90	23	Cottonwood	−2	30	0.77	−0.30	Wagner	2.94	Mellette	T.
Tennessee	49.2	−0.2	Clarksville	87	26	Crossville	9	19	4.65	−0.65	Copperhill	8.52	Newbern	1.53
Texas	61.0	+2.3	Eagle Pass	106	28	2 stations	11	[2] 16	1.16	−0.90	Anderson	6.38	9 stations	0.00
Utah	42.4	+4.2	Saint George	85	21	Laketown	−10	1	1.74	+0.20	Silver Lake	5.58	Myton	T.
Virginia	45.6	−0.4	Charlottesville	87	24	Ashland	10	6	2.74	−1.02	Speers Ferry	5.03	Roanoke	1.46
Washington	43.3	+2.6	Centralia	85	19	Bumping Lake	−3	1	6.29	+2.52	Heather Meadows	28.98	Wenatchee	0.32
West Virginia	41.4	−1.7	Williamson	86	29	Bayard	−3	4	3.87	+0.01	Bayard	7.64	Upper Tract	1.32
Wisconsin	29.5	+0.4	Meadow Valley	82	25	Rest Lake	−33	6	1.49	−0.26	Racine	3.74	Amery	0.23
Wyoming	32.7	+2.8	Fort Laramie (near)	79	22	2 stations	−37	2	0.86	−0.13	Dome Lake	4.19	2 stations	0.00
Hawaii	70.7	+2.0	Mahukona	91	30	Volcano Observatory	47	26	4.23	−4.64	Olokele (Mauka)	18.60	Waiawa	0.00
Porto Rico	74.1	+0.3	Comerio Falls	98	7	2 stations	52	26	2.08	−1.46	Adjuntas	5.39	2 stations	0.60

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Alaska	17.3	+9.0	Bonanza Mine	58	[2] 23	Allakaket	−46	11	2.68	+0.10	Latouche	24.20	Fort Yukon	0.29
New York	24.4	+2.5	2 stations	60	[2] 8	Gabriels	−32	26	2.67	−0.11	High Market	5.00	Lauterbrunnen	0.88

[1] For description of tables and charts see REVIEW, January, 1928, p. 43.

[2] Other date also.

TABLE 1.—*Climatological data for Weather Bureau Stations, March, 1928*

strict 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 (3-cup anemometer used): 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							**33.1**	**+0.4**										**71**	**2.54**	**−1.0**										**5.4**		
Eastport	76	67	85	29.70	29.78	−0.15	29.7	+0.8	48	27	36	7	9	23	27	27	22	72	2.47	−1.4	21	8,282	w.	43	e.	18	8	9	14	6.5	12.4	1.0
Greenville, Me.	1,070	6	----	28.59	29.70	------	23.6	------	52	26	33	−7	4	14	38	----	----	----	2.55	------	10	6,713	nw.	27	------	27	11	7	13	----	15.9	----
Portland, Me.	103	82	117	29.72	29.85	−.11	32.0	+0.2	52	24	39	11	7	25	23	28	20	65	2.79	−1.1	14	6,433	nw.	33	sw.	4	13	6	12	5.4	11.1	T.
Concord	289	70	79	29.52	29.84	−.16	31.2	+0.4	69	24	40	−1	4	22	44	----	----	----	1.56	−1.5	10	4,873	w.	22	w.	28	16	8	7	4.0	10.4	0.0
Burlington	403	11	48	29.38	29.84	−.16	27.6	−1.5	64	26	35	3	11	20	34	----	----	----	2.23	+0.2	14	7,615	n.	40	sw.	4	6	7	18	7.2	25.9	0.2
Northfield	876	12	60	28.87	29.85	−.15	25.2	−1.2	65	24	35	−5	11	16	52	23	20	80	2.14	−0.6	17	5,030	s.	33	se.	4	7	7	17	6.9	24.4	1.5
Boston	125	115	188	29.71	29.85	−.12	37.0	+1.4	70	24	45	17	4	29	36	32	25	64	1.56	−2.0	9	7,822	w.	28	sw.	28	8	14	9	5.3	6.5	0.0
Nantucket	12	14	90	29.84	29.85	−.13	36.2	+0.7	55	27	42	19	4	30	26	33	29	77	3.22	−0.8	11	11,894	w.	43	sw.	18	11	9	11	5.2	9.1	0.0
Block Island	26	11	46	29.83	29.86	−.12	36.6	+1.2	53	14	42	20	6	32	21	33	29	75	3.21	−0.6	9	14,266	w.	48	ne.	18	13	8	10	5.0	5.4	0.0
Providence	160	215	251	29.69	29.87	−.11	36.2	+0.5	64	24	44	15	6	28	31	31	23	62	2.64	−0.8	11	9,029	nw.	46	nw.	31	13	7	11	4.8	9.7	0.0
Hartford	159	122	----	29.70	29.88	−.11	36.0	+1.0	68	25	43	15	4	28	33	----	----	----	3.11	−0.8	10	------	nw.	----	------	----	14	7	10	4.7	7.9	0.0
New Haven	106	74	153	29.78	29.90	−.09	36.7	+0.9	65	24	44	16	6	30	30	32	27	71	2.98	−1.2	10	6,665	w.	31	ne.	18	12	11	8	4.8	8.0	0.0
Middle Atlantic States							**41.1**	**+0.5**										**68**	**2.52**	**−0.9**										**5.5**		
Albany	97	102	115	29.78	29.89	−.12	33.6	+0.9	68	26	41	9	11	26	35	29	24	70	2.26	−0.4	8	5,333	nw.	36	s.	4	11	13	7	5.0	16.0	0.0
Binghamton	871	10	84	28.93	29.88	−.14	32.6	0.0	71	26	41	9	11	24	30	----	----	----	2.79	+0.2	12	5,440	w.	26	w.	27	2	11	18	7.5	24.1	0.0
New York	314	414	454	29.57	29.92	−.08	38.3	+0.6	69	25	45	17	6	31	29	33	25	59	2.54	−1.1	11	12,970	nw.	53	nw.	31	7	14	10	5.6	4.5	0.0
Harrisburg	374	94	104	29.54	29.95	−.08	39.2	+0.3	75	26	47	20	5	32	33	34	27	66	3.56	+0.4	9	5,652	nw.	26	s.	4	6	11	14	6.0	21.6	0.0
Philadelphia	114	123	341	29.81	29.94	−.08	42.0	+1.2	75	26	50	22	6	34	33	37	30	67	2.10	−1.3	8	8,315	nw.	42	ne.	18	7	14	10	5.5	2.8	0.0
Reading	325	81	98	29.57	29.93	------	39.8	------	76	26	48	20	6	32	37	35	29	70	2.92	−0.6	10	5,689	nw.	27	nw.	27	15	8	8	4.8	10.5	0.0
Scranton	805	111	119	29.03	29.92	−.10	34.8	−0.9	72	26	43	13	5	27	38	31	26	72	2.05	−1.1	10	6,009	w.	29	sw.	27	6	12	13	6.5	10.3	0.0
Atlantic City	52	37	172	29.87	29.93	−.09	40.0	+1.4	60	25	46	20	6	34	22	36	32	75	2.48	−1.1	10	12,633	w.	58	ne.	18	12	11	8	4.8	0.2	0.0
Cape May	17	13	49	------	------	------	40.9	+0.1	65	25	48	19	4	34	24	37	33	78	2.22	------	12	------	nw.	----	------	----	13	8	10	----	T.	0.0
Sandy Hook	22	10	55	29.88	29.90	------	38.3	------	68	25	44	20	6	32	29	33	28	69	2.44	------	11	11,777	nw.	44	w.	27	9	11	11	5.4	1.5	0.0
Trenton	190	159	183	29.71	29.92	------	39.1	------	77	26	47	18	6	31	35	34	29	70	2.19	−1.8	10	8,458	nw.	40	nw.	27	9	11	11	5.7	4.1	0.0
Baltimore	123	100	215	29.81	29.94	−.09	43.8	+1.5	75	25	52	23	6	36	31	37	30	65	3.12	−0.6	8	8,125	sw.	44	w.	30	11	10	10	5.5	1.7	0.0
Washington	112	62	85	29.82	29.94	−.10	44.1	+1.5	80	24	53	23	6	36	41	37	30	64	2.17	−1.6	8	5,791	nw.	32	nw.	30	10	11	10	5.4	0.5	0.0
Cape Henry	18	8	54	29.92	29.94	------	48.0	------	86	30	56	31	19	40	38	42	37	69	2.65	−1.2	8	8,825	sw.	37	e.	18	10	14	7	5.4	0.0	0.0
Lynchburg	681	153	188	29.20	29.95	−.10	47.5	+0.2	81	29	59	23	6	36	46	39	31	59	1.93	−1.6	8	6,103	w.	37	sw.	30	13	14	4	4.2	2.2	0.0
Norfolk	91	170	205	29.86	29.96	−.07	48.6	+0.4	82	30	58	30	19	40	35	42	36	66	2.73	−1.0	6	9,684	ne.	46	sw.	30	8	12	11	5.6	0.0	0.0
Richmond	144	11	52	29.81	29.97	−.07	47.4	+0.2	81	30	58	24	6	36	38	39	32	64	2.71	−1.0	7	6,729	sw.	44	w.	30	15	9	7	4.5	T.	0.0
Wytheville	2,304	49	55	27.55	29.97	−.08	42.4	+0.1	78	29	52	19	6	32	41	35	29	67	2.15	−1.3	12	5,437	w.	37	w.	30	9	13	9	5.3	6.9	0.0
South Atlantic States							**54.5**	**+0.8**										**71**	**3.60**	**−0.1**										**5.2**		
Asheville	2,253	70	84	27.59	29.98	−.08	45.8	+0.9	79	29	56	23	19	36	40	39	34	69	3.95	0.0	15	6,970	nw.	31	nw.	27	13	10	8	4.5	1.1	0.0
Charlotte	779	55	62	29.14	29.98	−.07	50.9	+0.5	81	23	61	28	19	41	39	43	37	65	3.53	−0.6	16	4,210	sw.	28	sw.	30	12	10	9	5.1	T.	0.0
Hatteras	11	11	50	29.95	29.96	−.08	53.4	+1.4	72	29	60	36	19	46	21	49	45	75	2.26	−2.0	11	10,336	ne.	37	nw.	31	14	10	7	4.5	0.0	0.0
Raleigh	376	103	110	29.57	29.98	−.07	49.9	−0.3	79	30	60	29	6	40	34	44	38	70	2.58	−1.7	8	6,004	nw.	35	sw.	30	12	8	11	5.4	0.0	0.0
Wilmington	78	81	91	29.91	30.00	−.05	54.0	+0.7	78	30	63	32	19	45	28	49	46	80	1.84	−1.3	14	5,155	w.	26	sw.	30	9	10	12	5.6	0.0	0.0
Charleston	48	11	92	29.95	30.00	−.06	57.4	0.0	77	26	64	40	19	50	23	51	47	73	3.08	+0.1	11	6,915	sw.	27	e.	17	10	11	10	5.3	0.0	0.0
Columbia, S. C.	351	41	57	29.61	30.00	−.06	55.4	+0.2	85	23	65	32	19	46	38	48	41	66	2.90	−0.8	11	5,235	sw.	35	sw.	30	11	8	12	5.6	0.0	0.0
Due West	711	10	55	29.23	30.02	------	52.4	------	83	29	63	26	19	42	41	----	----	----	4.15	------	14	6,755	w.	36	w.	30	11	10	10	5.3	0.0	0.0
Greenville, S. C.	1,039	139	146	28.88	29.98	------	51.7	+1.8	81	23	61	27	19	42	38	44	39	70	4.24	------	14	5,953	ne.	34	sw.	30	9	9	13	5.5	T.	0.0
Augusta	182	62	77	29.80	29.99	−.07	57.4	+1.4	87	29	67	33	19	48	38	50	44	68	4.35	+0.2	12	4,524	nw.	30	sw.	30	9	13	9	5.5	0.0	0.0
Savannah	65	150	194	29.94	30.01	−.05	59.6	+0.6	84	23	68	40	3	51	30	53	48	74	7.16	+4.1	14	7,934	w.	50	w.	30	8	13	10	5.7	0.0	0.0
Jacksonville	43	209	245	29.98	30.03	−.03	63.8	+1.2	87	29	73	42	18	54	28	55	50	70	4.38	+1.5	11	8,180	sw.	40	w.	30	10	14	7	4.9	0.0	0.0
Florida Peninsula							**71.1**	**+1.3**										**76**	**1.15**	**−1.1**										**3.6**		
Key West	22	10	64	30.01	30.04	−.01	74.2	+1.6	85	30	80	55	23	69	19	67	64	77	0.34	−1.0	4	6,646	se.	34	w.	17	21	9	1	2.4	0.0	0.0
Miami	25	71	164	30.03	30.06	------	71.0	+0.8	83	27	78	46	22	64	24	66	62	76	0.45	−2.2	5	7,523	s.	33	s.	17	16	10	5	3.8	0.0	0.0
Tampa	35	79	87	30.01	30.05	−.02	68.2	+1.4	86	15	77	47	1	60	24	60	57	76	2.67	−0.1	5	4,300	sw.	20	sw.	16	14	8	9	4.6	0.0	0.0
Titusville	44	5	----	29.99	30.04	------	67.0	------	91	30	79	40	19	55	39	----	----	----	6.68	------	9	------	sw.	----	------	----	14	14	3	3.8	0.0	0.0
East Gulf States							**58.1**	**+0.6**										**72**	**5.92**	**+0.5**										**5.9**		
Atlanta	1,173	190	216	28.76	30.01	−.05	51.8	−0.2	83	29	61	28	19	43	34	45	38	66	5.69	+0.4	13	8,289	nw.	35	nw.	30	11	7	13	5.4	T.	0.0
Macon	370	78	87	29.61	30.01	−.05	56.4	−0.3	85	29	67	31	3	46	39	49	44	71	5.21	−0.3	15	4,614	nw.	24	sw.	30	13	3	15	5.5	0.0	0.0
Thomasville	273	49	58	29.72	30.02	−.04	62.0	+1.8	84	29	72	38	18	52	31	55	50	74	9.77	+4.7	13	3,524	sw.	22	sw.	30	8	9	14	6.4	0.0	0.0
Apalachicola	36	42	49	29.98	30.02	------	61.8	------	77	26	68	40	18	56	22	58	55	81	13.97	------	9	5,469	s.	34	s.	12	10	9	12	5.6	0.0	0.0
Pensacola	56	149	185	29.96	30.02	−.04	61.2	+0.9	76	26	67	37	18	56	21	56	53	79	4.18	−0.6	11	8,628	n.	32	se.	16	6	14	11	6.2	0.0	0.0
Anniston	741	9	57	29.23	30.04	−.02	52.9	+0.4	86	29	64	28	19	42	41	----	----	----	6.75	+1.0	15	4,240	nw.	22	w.	30	13	9	9	5.1	T.	0.0
Birmingham	700	11	48	29.25	30.02	−.04	54.0	−1.4	85	29	64	29	18	44	36	47	42	68	7.71	+2.0	16	5,171	n.	25	s.	29	10	7	14	5.8	T.	0.0
Mobile	57	125	161	29.94	30.00	−.06	62.0	+2.3	80	9	70	36	18	54	27	56	52	77	5.47	−0.5	13	6,923	s.	31	n.	27	5	10	16	6.4	0.0	0.0
Montgomery	223	100	112	29.76	30.02	−.04	57.9	+0.1	85	29	67	33	18	49	32	51	45	67	5.22	−0.8	14	4,907	n.	23	sw.	29	7	9	15	6.5	0.0	0.0
Corinth	469	6	----	------	------	------	53.0	------	82	26	63	28	18	42	38	----	----	----	5.54	------	11	------	s.	----	------	----	4	21	6	----	T.	0.0
Meridian	375	87	95	29.61	30.01	−.04	57.0	−0.1	87	29	67	31	18	47	37	50	44	69	6.18	+0.6	13	4,571	ne.	27	se.	15	7	9	15	6.4	0.0	0.0
Vicksburg	247	65	73	29.74	30.02	−.02	58.8	+0.3	85	26	68	35	17	50	31	51	45	68	3.52	−2.0	9	5,463	s.	35	nw.	15	7	12	12	6.0	0.0	0.0
New Orleans	53	76	84	29.95	30.00	−.04	65.1	+2.3	86	13	73	41	18	57	25	59	55	76	5.42	+0.7	7	4,760	sw.	20	n.	24	7	12	12	6.0	0.0	0.0
West Gulf States							**60.9**	**+1.7**										**71**	**1.36**	**−1.4**										**5.1**		
Shreveport	249	77	93	29.72	29.99	−.03	59.2	+0.9	89	25	69	38	19	50	31	51	45	68	4.08	0.0	9	4,858	s.	27	nw.	15	13	10	8	5.0	0.0	0.0
Bentonville	1,303	11	44	------	------	------	49.0	+1.7	79	28	60	23	5	38	36	----	----	----	2.63	------	6	------	s.	----	nw.	----	17	5	9	----	1.6	0.0
Fort Smith	457	79	94	29.49	29.97	−.04	53.1	+0.5	83	12	63	33	5	43	36	45	38	63	1.34	−1.7	7	6,146	e.	33	e.	15	10	10	11	5.6	T.	0.0
Little Rock	357	136	144	29.61	29.99	−.04	53.9	+0.9	82	28	63	34	5	44	34	46	39	62	1.70	−3.2	4	6,452	n.	33	n.	26	9	10	12	5.6	0.0	0.0
Austin	605	136	148	29.34	29.97	------	63.7	+3.0	94	25	76	35	20	52	41	----	----	----	0.29	−2.0	5	6,631	n.	34	n.	16	15	4	12	4.5	T.	0.0
Brownsville	57	53	61	29.86	29.92	------	71.6	+3.4	102	26	80	39	18	63	33	64	61	79	0.16	−1.1	2	6,022	s.	27	n.	16	10	12	9	4.9	0.0	0.0
Corpus Christi	20	11	78	29.93	29.95	−.03	67.2	+2.2	95	24	75	38	17	60	29	62	59	83	1.08	−0.8	8	8,631	se.	31	nw.	16	10	8	13	5.6	0.0	0.0
Dallas	512	220	227	29.42	29.97	------	59.1	------	91	25	69	33	17	49	33	----	----	----	0.99	------	4	10,051	ne.	46	nw.	15	13	9	9	4.7	0.0	0.0
Fort Worth	670	106	114	29.24	29.96	−.02	59.9	+2.2	92	25	71	36	17	49	35	51	44	63	1.10	−1.1	3	6,968	nw.	38	s.	28	11	10	10	5.2	0.0	0.0
Galveston	54	106	114	29.94	30.00	−.01	62.7	+0.3	80	29	68	41	17	57	23	58	56	86	0.70	−2.0	8	7,655	s.	36	s.	10	6	14	11	6.1	0.0	0.0
Groesbeck	461	11	56	29.48	29.96	------	59.9	------	92	25	71	34	17	49	39	----	----	----	0.80	------	6	8,195	s.	35	ne.	26	15	6	10	4.9	T.	0.0
Houston	138	292	314	29.84	29.99	------	64.2	+0.9	94	26	73	38	17	55	32	----	----	----	1.35	−2.1	9	8,612	s.	35	n.	16	12	8	11	5.2	0.0	0.0
Palestine	510	64	72	29.44	29.98	−.02	59.2	+0.1	90	25	69	36	17	50	32	53	48	72	1.92	−1.6	9	5,945	s.	25	s.	28	15	8	10	4.9	T.	0.0
Port Arthur	34	58	66	29.94	29.98	------	62.9	------	81	13	70	41	17	56	25	----	----	----	2.26	------	9	6,270	s.	23	sw.	25	10	7	14	6.1	0.0	0.0
San Antonio	693	119	132	29.23	29.95	−.03	65.6	+2.8	95	25	77	33	17	54	37	55	47	60	2.34	+0.5	4	5,271	ne.	27	n.	29	15	6	10	4.6	T.	0.0
Taylor	583	55	63	29.38	29.99	.00	62.7	+3.0	95	25	75	33	17	50	41	----	----	----	0.30	−2.3	4	6,734	s.	27	s.	28	14	9	8	4.5	T.	0.0

TABLE 1.—*Climatological data for Weather Bureau Stations, March, 1928*—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 (3-cup anemometer used): 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							**43.3**	**−0.9**										**69**	**3.04**	**−1.3**										**6.2**		
Chattanooga	762	189	213	29.19	30.01	−0.05	50.6	−0.6	86	29	60	26	19	41	41	43	36	62	5.24	−0.5	15	6,176	sw.	42	nw.	26	8	10	13	5.9	0.5	0.0
Knoxville	995	102	111	28.94	30.00	−.06	48.8	+0.1	83	29	59	28	18	39	41	42	36	67	4.79	−0.3	14	4,930	sw.	36	sw.	29	8	10	13	5.7	2.4	0.0
Memphis	399	76	97	29.58	30.01	−.05	51.8	−0.5	78	28	60	29	5	43	35	46	40	70	3.14	−2.1	8	5,632	n.	32	w.	15	10	9	12	5.6	0.2	0.0
Nashville	546	168	191	29.44	30.04	−.01	48.8	−0.4	81	29	58	27	19	40	37	42	36	66	3.26	−1.8	12	7,005	w.	42	nw.	26	11	8	12	5.5	1.0	0.0
Lexington	989	193	230	28.92	30.01	−.04	42.1	−1.6	77	23	52	18	15	33	41				2.67	−2.0	12	9,549	sw.	42	nw.	26	10	7	14	6.2	5.1	0.0
Louisville	525	188	234	29.43	30.02	−.03	44.0	−1.4	79	23	53	21	5	35	38	38	32	69	2.66	−1.7	8	7,848	s.	45	nw.	26	6	13	12	6.0	1.6	0.0
Evansville	431	76	116	29.56	30.03	−.01	45.0	−0.9	79	23	54	24	5	36	37	39	34	68	1.04	−3.2	8	6,664	s.	37	nw.	26	5	15	11	5.9	5.0	0.0
Indianapolis	822	194	230	29.09	29.99	−.05	39.2	−0.8	77	23	48	16	5	31	41	34	28	66	2.44	−1.5	9	8,928	nw.	47	w.	26	9	11	11	5.6	0.6	0.0
Royal Center	736	11	55	29.15	29.97		36.3		76	23	45	14	5	28	43				0.86		7	8,659	w.	42	nw.	26	6	13	12	6.7	0.8	0.0
Terre Haute	575	96	129	29.36	29.99		41.8		80	23	51	19	5	33	38	36	30	69	4.55		9	7,087	nw.	36	nw.	26	7	13	11	6.1	0.5	0.0
Cincinnati	627	11	51	29.31	30.00	−.05	40.6	−0.3	75	23	50	17	5	31	37	35	30	71	1.31	−2.6	9	6,406	sw.	33	w.	26	9	8	14	6.3	0.9	0.0
Columbus	822	179	222	29.08	29.98	−.06	38.2	−0.9	72	24	46	16	5	30	41	34	28	70	2.79	−0.7	12	8,266	nw.	50	nw.	26	9	11	11	5.9	1.8	0.0
Dayton	899	137	173	29.00	29.98		39.1	−1.4	72	23	48	18	5	31	42	34	29	70	2.04	−1.6	8	7,466	nw.	41	w.	26	5	12	14	7.0	1.9	0.0
Elkins	1,947	59	67	27.88	29.99	−.05	38.1	−1.9	75	26	49	4	4	27	45	32	28	74	3.33	−0.7	17	5,039	w.	28	w.	27	2	12	17	7.3	28.6	0.0
Parkersburg	637	77	82	29.33	30.00	−.05	41.6	−1.2	78	26	52	18	6	32	36	35	30	72	3.54	−0.3	13	4,980	sw.	30	nw.	26	6	8	17	6.9	8.1	0.0
Pittsburgh	842	353	410	29.03	29.95	−.09	38.6	−1.0	75	13	46	15	5	31	29	33	27	69	4.25	+1.2	15	8,699	w.	40	w.	27	5	11	15	6.7	9.4	0.0
Lower Lake Region							**32.8**	**−0.3**										**74**	**2.59**	**−0.1**										**6.6**		
Buffalo	767	247	280	29.05	29.90	−.12	30.3	−0.8	67	26	37	10	3	24	39	28	25	82	1.76	−0.8	18	13,872	w.	68	sw.	27	5	8	18	7.3	13.8	0.5
Canton	448	10	61	29.35	29.85		26.0	−1.7	63	26	34	−1	6	18	38				3.00	+0.2	17	7,690	w.	40	sw.	4	11	6	14	5.7	20.8	0.8
Oswego	335	76	91		29.84	−.17	30.6	−0.6	68	24	37	10	11	24	39			80	2.52	−0.4	22		nw.	31	sw.	27	4	4	23		33.0	0.0
Rochester	523	86	102	29.31	29.90	−.12	32.1	+0.3	72	24	39	12	3	25	36	27	22	72	3.55	+0.8	22	7,822	w.	40	sw.	27	2	9	20	7.5	30.1	T.
Syracuse	597	97	113	29.23	29.89	−.13	31.6	+0.2	73	24	38	12	6	25	39				3.84	+1.5	20	9,394	w.	45	w.	27	1	10	20	7.8	32.0	0.5
Erie	714	130	166	29.14	29.93	−.09	33.0	−0.5	75	24	40	12	5	26	35	29	24	71	2.16	−0.5	12	10,543	sw.	46	sw.	27	7	14	10	6.1	6.8	0.0
Cleveland	762	190	201	29.10	29.94	−.09	35.4	+0.8	74	24	42	16	5	28	37	32	27	74	2.08	−0.6	11	8,540	w.	36	w.	27	7	10	14	6.3	2.2	T.
Sandusky	629	5	67	29.24	29.94	−.09	36.1	+1.0	76	24	44	14	6	28	44				2.63	−0.1	11	7,405	w.	32	sw.	26	5	13	13	6.5	1.9	0.0
Toledo	628	208	243	29.26	29.96	−.07	35.4	+0.1	73	24	44	15	6	27	42	31	25	67	2.33	−0.2	12	10,123	w.	44	sw.	26	12	5	14	5.6	2.5	T.
Fort Wayne	856	113	124	29.02	29.96		36.4	−2.5	71	23	45	17	5	28	41	32	28	74	1.47		10	7,396	w.	35	w.	26	7	7	17	6.7	2.3	0.0
Detroit	730	218	258	29.13	29.94	−.11	33.7	+0.3	72	24	42	11	3	26	38	29	24	71	1.99	−0.4	11	8,135	nw.	41	sw.	4	7	10	14	6.5	9.6	0.8
Upper Lake Region							**28.8**	**+0.6**										**76**	**1.91**	**−0.3**										**5.5**		
Alpena	609	13	92	29.23	29.92	−.09	25.4	−0.1	57	24	34	−2	3	17	31	23	19	78	2.12	+0.1	12	9,109	nw.	40	nw.	4	12	13	6	4.9	21.2	T.
Escanaba	612	54	60	29.26	29.95	−.09	25.0	+0.8	57	24	34	−10	6	16	37	21	18	78	2.34	+0.4	10	6,847	n.	44	n.	26	12	10	9	4.9	13.4	T.
Grand Haven	632	54	89	29.25	29.95	−.08	32.1	+0.4	67	23	40	13	5	24	37	29	25	77	1.59	−0.8	11	8,945	w.	37	w.	1	7	14	10	6.0	5.7	0.0
Grand Rapids	707	70	87	29.17	29.96	−.07	33.4	0.0	71	24	41	13	5	26	37	29	23	68	2.04	−0.4	10	5,115	nw.	25	nw.	2	5	13	13	6.6	11.2	T.
Houghton	668	64	99	29.20	29.95	−.09	24.0	+1.2	64	23	32	−8	6	16	32				1.49	−0.6	14	7,617	w.	37	w.	4	8	12	11	5.9	12.0	T.
Lansing	878	6	49	28.97	29.94		30.5	−1.7	73	24	39	9	3	22	33	28	26	87	2.43	+0.1	13	5,215	nw.	24	nw.	4	11	9	11	5.5	13.3	2.8
Ludington	637	60	66	29.22	29.94		30.8		64	23	37	11	5	24	33	28	24	77	1.99		10	8,221	n.	37	sw.	4	10	10	11	5.4	10.9	T.
Marquette	734	77	111	29.12	29.95	−.09	26.5	+1.7	58	25	34	−1	5	19	32	23	19	79	1.67	−0.6	13	7,204	nw.	33	sw.	23	6	10	15	6.5	12.4	T.
Port Huron	638	70	120	29.21	29.92	−.11	30.8	+0.4	70	24	38	4	3	23	29	28	24	78	2.31	+0.2	13	9,049	nw.	35	ne.	30	6	19	6	5.9	13.1	T.
Sault Sainte Marie	614	11	52	29.21	29.93	−.10	21.2	−0.4	46	24	29	−13	6	13	36	18	16	84	1.94	+0.1	17	7,308	nw.	42	nw.	4	7	18	6	5.5	11.2	4.5
Chicago	673	7	131	29.24	29.98	−.05	36.9	+1.6	77	23	44	10	5	30	40	32	26	68	1.50	−1.1	7	8,822	nw.	32	nw.	26	10	9	12	5.7	8.3	T.
Green Bay	617	109	141	29.26	29.95	−.09	29.4	+0.8	67	25	38	−4	5	21	33	26	21	73	2.40	0.0	8	7,628	w.	35	nw.	4	11	11	9	4.8	9.7	0.0
Milwaukee	681	125	221	29.21	29.96	−.07	34.4	+2.3	70	23	42	6	5	26	36	30	24	68	2.22	−0.2	8	10,207	w.	42	nw.	4	8	13	10	5.3	11.7	0.7
Duluth	1,133	5	47	28.72	29.99	−.07	25.0	+1.3	64	24	34	−7	4	16	35	21	16	77	0.83	−0.7	7	8,810	nw.	39	nw.	4	15	10	6	3.9	9.0	0.0
North Dakota							**28.2**	**+6.2**										**75**	**0.49**	**−0.4**										**5.2**		
Moorhead	940	50	58	28.97	30.02	−.06	27.2	+4.5	65	23	37	−4	15	17	30	24	20	78	0.71	−0.3	7	5,357	n.	26	n.	4	12	8	11	5.5	7.4	0.0
Bismarck	1,674	8	57	28.18	30.02	−.04	32.0	+7.8	74	22	43	3	4	21	43	27	22	70	0.32	−0.6	1	5,967	nw.	31	nw.	8	9	14	8	4.7	1.5	0.0
Devils Lake	1,478	11	44	28.40	30.03	−.02	22.7	+4.2	61	21	34	−9	7	12	35	20	17	82	0.67	−0.3	7	6,005	nw.	30	n.	3	15	7	9	4.6	7.9	0.0
Ellendale	1,457	10	56	28.42	30.02		31.0		72	21	43	4	5	19	41				0.33		6	8,488	nw.	38	n.	4	6	13	12	6.1	0.8	0.0
Grand Forks	833	12	67				24.6		64	23	35	−9	16	14	34	21			1.60		8		nw.	38	nw.	4	17	9	5		10.4	0.0
Williston	1,878	41	48	28.00	30.01	−.03	31.1	+8.2	75	22	41	0	4	21	39	27	22	69	0.26	−0.4	3	5,549	w.	26	nw.	1	11	12	8	5.0	0.6	0.0
Upper Mississippi Valley							**39.3**	**+3.2**										**70**	**1.53**	**−0.8**										**5.0**		
Minneapolis	918	102	208	28.96	29.97		32.9	+3.3	76	23	42	4	4	24	38				0.93	−0.5	2	7,567	nw.	37	nw.	4	14	5	12	5.2	5.7	0.0
St. Paul	837	236	261	29.06	29.99	−.06	32.6	+3.5	75	23	42	4	4	24	37				0.80	−0.6	2	7,797	nw.	35	nw.	4	13	7	11	5.0	6.1	0.0
La Crosse	714	11	48	29.19	29.98	−.06	34.4	+2.9	78	23	45	6	5	24	40	30	24	72	1.09	−0.5	6	3,712	nw.	21	nw.	4	15	6	10	4.7	5.8	0.0
Madison	974	70	78	28.90	29.99	−.05	33.8	+3.2	75	23	42	6	5	25	40	30	25	75	2.91	+0.8	9	6,925	nw.	32	ne.	26	14	6	11	4.9	10.6	T.
Wausau	1,247	4		28.59	29.96		29.2		70	25	40	−5	5	19	38				1.06		7		n.				15	7	9	4.8	8.3	0.0
Charles City	1,015	10	49	28.89	30.00	−.05	35.0	+4.3	78	23	45	7	5	25	40	30	26	72	1.34	−0.6	6	4,849	nw.	31	nw.	24	15	7	9	4.4	7.2	0.0
Davenport	606	71	79	29.32	29.99	−.04	40.0	+3.9	81	23	49	12	5	31	37	34	29	70	2.61	+0.3	7	5,392	nw.	26	e.	29	13	8	10	5.2	5.2	T.
Des Moines	861	84	97	29.06	29.99	−.05	40.8	+4.9	84	23	51	14	5	31	42	35	29	67	1.71	−0.1	5	5,020	n.	26	sw.	23	11	11	9	5.2	1.4	0.0
Dubuque	700	81	96	29.21	29.98	−.06	37.4	+3.4	80	23	46	10	5	29	40	32	26	66	2.14	+0.1	7	5,160	nw.	28	nw.	4	12	8	11	5.3	3.7	T.
Keokuk	614	64	78	29.32	30.00	−.03	42.6	+3.7	81	23	52	15	5	33	35	36	29	64	1.39	−1.0	7	5,711	nw.	25	w.	12	11	8	12	5.4	3.1	0.0
Cairo	358	87	93	29.62	30.02	−.02	47.6	+0.4	79	22	57	24	5	38	33	41	35	69	1.23	−2.5	7	7,028	s.	33	nw.	26	7	8	16	6.4	0.1	0.0
Peoria	609	11	45	29.33	30.01	−.02	40.4	+3.4	82	23	50	14	5	30	35	34	30	73	0.96	−1.8	8	5,732	nw.	22	nw.	26	16	7	8	3.8	2.5	0.0
Springfield, Ill	636	10	91	29.30	29.99	−.04	42.2	+2.0	81	23	51	17	5	33	34	37	32	71	1.14	−2.0	8	6,500	s.	26	nw.	26	10	9	12	5.3	0.7	0.0
Hannibal	534	74	109	29.42	30.00	−.02	44.0	+3.0	82	23	54	17	5	34	37				0.93	−1.8	9	6,761	sw.	25	ne.	29	10	13	8	4.9	0.8	0.0
St. Louis	568	265	303	29.38	30.00	−.03	46.0	+2.2	81	23	56	20	5	36	30	40	36	72	2.27	−1.1	6	8,729	sw.	36	nw.	26	13	11	7	4.7	0.2	0.0
Missouri Valley							**42.9**	**+5.3**										**64**	**1.04**	**−0.9**										**4.8**		
Columbia, Mo	784	11	84	29.14	29.99	−.04	46.0	+3.4	83	22	57	18	5	35	41				0.69	−2.3	6	6,230	s.	32	nw.	26	11	12	8	4.7	0.3	0.0
Kansas City	963	161	181	28.94	29.99	−.03	47.4	+4.7	84	25	58	17	5	36	36	39	32	60	0.36	−2.2	2	7,744	s.	37	nw.	26	12	13	6	4.7	1.5	0.0
St. Joseph	967	11	49	28.93	29.98		46.3		86	22	58	17	5	35	39	38	29	59	0.77		6	6,219	nw.	30	nw.	26	13	13	5	4.6	1.8	0.0
Springfield, Mo	1,324	98	104	28.58	30.00	−.02	46.8	+1.6	78	28	57	19	5	37	36	40	33	65	2.36	−1.7	10	7,275	s.	34	se.	28	21	6	4	3.0	9.8	0.0
Iola	984	11	50	28.93	30.00	−.01	48.4	+3.9	85	25	61	18	5	36	42				1.78	−1.1	5	4,905	s.	26	n.	26	12	13	6	4.6	5.0	0.0
Topeka	987	92	107				47.8	+5.2	85	22	60	18	5	36	39				0.53	−1.8	5	7,048	sw.	33	n.	26	14	12	5	4.1	0.5	0.0
Lincoln	1,189	11	81	28.70	29.99	−.03	43.4	+5.9	87	22	56	15	5	31	48	35	26	57	0.46	−0.9	4	6,943	n.	34	nw.	26	13	5	13	5.2	0.8	0.0
Omaha	1,105	115	122	28.80	30.00	−.04	43.2	+6.2	84	23	53	18	5	33	45	36	28	61	0.47	−0.9	4	5,824	nw.	31	n.	4	12	9	10	5.0	0.3	0.0
Valentine	2,598	47	54	27.25	30.02	−.01	38.2	+5.9	80	22	52	6	30	25	44	31	24	63	2.00	+0.8	7	6,198	w.	28	nw.	17	11	12	8	4.9	14.2	0.0
Sioux City	1,135	94	164	28.78	30.02	−.03	40.0	+7.3	85	23	50	18	5	30	42	34	29	70	1.17	−0.1	5	7,421	nw.	31	nw.	12	11	7	13	5.6	2.0	0.0
Huron	1,306	59	74	28.59	30.02	−.04	36.2	+7.3	78	21	48	10	4	24	46	30	23	67	0.28	−0.6	4	5,792	nw.	27	n.	4	7	15	9	5.6	2.9	0.0
Pierre	1,572	70	75		30.03	−.02	38.0	+6.5	83	22	51	12	30	25	49			76	0.97	−0.4	6	5,862	nw.	29	ne.	28	10	6	15		7.5	T.
Yankton	1,233	49	57	28.66	30.01	−.04	39.2	+6.0	86	23	50	18	4	29	47				1.43	+0.2	6	4,923	nw.	22	nw.	26	8	14	9	5.5	4.2	0.0

TABLE 1.—*Climatological data for Weather Bureau Stations, March, 1928*—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 (3-cup anemometer used): 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							**35.9**	**+4.2**										**64**	**0.93**	**−0.2**										**5.6**		
Billings	3,140	5	----	----	----	----	40.8	----	79	22	55	14	1	26	49	----	----	----	0.16	----	4	----	nw.	----	----	----	11	8	12	----	1.0	0.0
Havre	2,505	11	44	27.29	29.97	0.03	36.2	+9.1	75	22	48	7	29	24	47	30	24	67	0.34	−0.2	6	5,474	e.	36	sw.	24	7	10	14	6.2	2.7	0.0
Helena	4,110	87	112	25.73	29.99	0.02	37.6	+5.2	73	21	47	4	1	28	36	31	22	57	0.52	−0.2	7	4,987	sw.	33	sw.	24	8	6	17	6.1	5.3	0.0
Kalispell	2,973	48	56	26.87	29.97	−.02	36.8	+3.9	66	20	46	5	1	28	35	32	27	70	0.74	−0.3	10	3,563	nw.	27	sw.	25	9	10	12	5.9	1.2	0.0
Rapid City	3,259	50	58	26.56	30.04	+.03	37.4	+4.8	76	21	49	10	5	26	37	31	22	56	0.89	−0.2	9	5,313	n.	29	n.	17	9	10	12	5.6	8.1	0.0
Cheyenne	6,088	84	101	23.93	30.01	+.05	34.1	+1.0	68	22	45	−1	1	23	39	28	22	63	1.52	+0.5	9	8,919	w.	42	w.	25	7	8	16	6.3	11.0	T.
Lander	5,372	60	68	24.58	30.02	+.05	34.4	+2.0	67	22	48	−4	1	21	37	28	22	63	0.45	−1.2	3	3,519	sw.	44	sw.	27	13	15	3	4.6	4.7	0.0
Sheridan	3,790	10	47	26.04	30.01	----	36.6	----	78	22	50	1	2	23	48	31	25	70	0.76	----	7	3,050	nw.	31	nw.	11	11	12	8	4.9	7.4	0.0
Yellowstone Park	6,241	11	48	23.82	30.06	+.04	30.0	+3.5	57	21	41	−5	1	19	39	25	19	68	1.60	−0.6	13	5,441	sw.	29	sw.	31	9	7	15	5.9	15.6	4.0
North Platte	2,821	11	51	27.03	30.00	.00	40.8	+4.2	83	23	54	7	16	27	45	33	25	61	1.40	+0.5	5	5,147	n.	24	n.	25	12	11	8	4.7	3.0	0.0
Middle Slope							**46.4**	**+3.1**										**58**	**1.52**	**+0.1**										**5.0**		
Denver	5,292	106	113	24.67	29.99	+.04	42.0	+2.7	72	27	53	10	16	31	41	32	21	52	1.40	+0.4	8	4,894	s.	41	nw.	25	8	15	8	5.3	15.8	0.0
Pueblo	4,685	80	86	25.23	29.96	+.04	43.4	+1.8	76	27	57	5	16	30	47	34	24	54	1.41	+0.6	6	4,413	nw.	31	w.	25	10	13	8	5.1	13.2	0.0
Concordia	1,392	50	58	28.52	30.01	.00	46.4	+5.4	84	22	58	19	5	34	33	38	29	58	0.47	−0.8	3	5,841	nw.	28	nw.	26	14	6	11	5.0	0.4	0.0
Dodge City	2,509	11	51	27.38	30.02	+.05	45.3	+2.5	81	23	58	14	17	32	40	37	29	62	1.84	+1.0	3	6,926	nw.	33	ne.	15	21	5	5	3.2	10.8	0.0
Wichita	1,358	139	158	28.53	29.98	−.01	48.0	+2.9	81	25	59	21	5	37	35	41	34	65	2.24	0.0	8	8,484	s.	32	ne.	15	13	14	4	4.6	8.2	0.0
Broken Arrow	765	11	56	29.07	30.00	----	51.3	----	84	25	62	26	5	41	35	----	----	----	2.23	----	7	8,979	s.	42	n.	26	9	9	13	5.9	9.3	0.0
Oklahoma City	1,214	10	47	28.69	29.98	.00	53.1	+3.1	88	28	64	25	17	42	38	43	35	59	1.75	−0.6	4	6,820	n.	35	n.	26	9	12	10	5.6	0.2	0.0
Southern Slope							**57.4**	**+2.8**										**47**	**0.41**	**−0.5**										**3.9**		
Abilene	1,738	10	52	28.15	29.96	.00	59.0	+2.5	96	28	72	24	17	46	42	46	33	49	0.43	−0.9	3	7,201	s.	29	sw.	31	9	13	9	5.2	T.	0.0
Amarillo	3,676	10	49	26.22	29.96	+.01	50.0	+3.1	83	27	63	21	16	37	50	39	29	53	0.86	+0.2	7	6,211	sw.	26	e.	14	19	5	7	3.9	0.2	0.0
Del Rio	944	64	71	28.93	29.91	−.04	66.4	+2.9	103	28	79	33	17	54	46	53	40	49	0.35	−0.8	2	6,412	se.	33	nw.	16	20	5	6	3.3	0.0	0.0
Roswell	3,566	75	85	26.32	29.92	+.02	54.0	+2.7	88	27	70	22	17	38	47	41	24	37	T.	−0.6	0	6,116	s.	34	n.	15	16	13	2	3.2	0.0	0.0
Southern Plateau							**54.2**	**+3.4**										**43**	**0.40**	**−0.1**										**3.0**		
El Paso	3,778	110	133	26.15	29.91	+.03	58.9	+3.1	88	27	72	28	16	46	36	42	23	29	0.05	−0.3	2	7,817	w.	47	w.	28	23	7	1	1.9	0.4	0.0
Santa Fe	7,013	38	53	23.19	29.92	+.03	41.8	+2.1	70	27	53	7	16	30	31	32	21	49	1.31	+0.5	5	4,420	n.	33	w.	27	10	13	8	5.2	9.6	0.0
Flagstaff	6,907	10	59	23.32	29.92	+.01	39.8	+3.9	66	26	53	13	29	27	42	32	----	60	0.40	----	5	6,170	nw.	37	sw.	27	11	14	6	----	T.	0.0
Phoenix	1,108	10	82	28.78	29.93	+.02	64.1	+3.4	89	21	79	40	16	50	43	49	33	37	0.13	−0.4	1	2,860	e.	22	n.	15	20	6	5	3.1	0.0	0.0
Yuma	141	9	54	29.81	29.96	+.02	66.6	+2.5	95	21	82	45	30	51	44	52	36	39	0.11	−0.2	1	3,588	w.	27	n.	15	24	6	1	1.7	0.0	0.0
Independence	3,957	5	25	25.94	29.97	+.03	54.0	+5.5	79	21	68	29	29	39	42	53	----	----	0.34	----	4	----	nw.	----	----	----	19	10	2	3.0	0.0	0.0
Middle Plateaus							**44.4**	**+3.5**										**58**	**1.85**	**+0.7**										**5.3**		
Reno	4,532	74	81	25.46	30.01	+.03	45.2	+4.2	73	20	56	25	15	34	42	38	31	61	2.34	+1.5	11	4,616	w.	35	sw.	26	9	13	9	5.8	1.6	0.0
Tonopah	6,090	12	20	----	----	----	43.6	----	68	26	52	22	28	35	28	35	22	49	0.58	----	5	----	se.	----	----	----	----	----	----	----	----	----
Winnemucca	4,344	18	56	25.62	30.03	+.02	43.3	+3.3	74	21	56	17	15	30	47	37	29	62	1.90	+0.9	10	5,353	sw.	30	sw.	31	9	17	5	5.0	T.	0.0
Modena	5,473	10	43	24.60	29.96	.00	42.4	+4.2	71	21	55	20	30	30	43	36	28	64	1.01	−0.3	8	6,798	w.	50	sw.	25	11	11	9	4.7	0.1	0.0
Salt Lake City	4,360	163	203	25.61	30.01	+.03	45.2	+3.5	73	21	54	29	15	36	32	38	29	56	2.78	+0.8	14	4,607	nw.	36	nw.	25	10	8	13	5.2	2.3	0.0
Grand Junction	4,602	60	68	25.35	29.94	.00	46.0	+2.4	73	22	57	26	30	35	39	37	27	54	1.24	+0.5	11	3,660	se.	34	nw.	27	8	10	13	5.7	0.2	0.0
Northern Plateau							**44.2**	**+2.8**										**54**	**1.81**	**+0.4**										**6.5**		
Baker	3,471	48	53	26.44	30.05	+.02	39.8	+2.2	70	19	49	14	1	30	36	35	28	66	0.86	−0.6	14	4,410	se.	21	s.	31	6	5	20	7.1	3.9	0.0
Boise	2,739	78	86	27.19	30.07	+.04	45.4	+2.7	77	21	55	25	15	36	37	39	32	63	2.46	+1.1	13	3,523	se.	21	w.	9	9	7	15	6.2	T.	0.0
Lewiston	757	40	48	29.21	30.02	−.01	47.9	+2.5	75	20	58	24	1	38	38	----	----	----	1.47	+0.2	16	2,668	e.	21	nw.	24	7	3	21	6.9	0.0	0.0
Pocatello	4,477	60	68	25.45	30.02	+.01	40.8	+3.4	70	20	50	12	1	31	33	34	28	64	1.59	−0.2	8	5,972	se.	34	sw.	27	7	10	14	5.8	T.	0.0
Spokane	1,929	101	110	27.94	30.01	.00	42.7	+3.0	68	19	52	17	1	34	32	38	32	68	1.88	+0.7	19	4,637	s.	20	sw.	24	6	9	16	6.7	T.	0.0
Walla Walla	991	57	65	28.93	30.01	−.01	48.8	+2.7	71	20	57	28	1	40	28	43	37	64	2.59	+1.0	17	3,554	s.	21	sw.	11	8	7	16	6.3	0.0	0.0
North Pacific Coast Region							**48.8**	**+3.6**										**76**	**7.00**	**+2.9**										**7.5**		
North Head	211	11	56	29.69	29.92	−.09	48.6	+3.4	76	18	53	37	14	44	30	46	42	83	7.23	+2.6	24	13,070	s.	62	s.	21	3	2	26	8.5	0.0	0.0
Port Angeles	29	8	53	----	29.95	----	45.1	----	63	19	52	30	14	38	23	----	----	----	2.85	+0.7	18	3,882	sw.	30	ne.	26	5	11	15	----	1.0	0.0
Seattle	125	215	250	29.82	29.95	−.04	48.2	+3.3	76	19	54	33	14	42	29	44	39	74	5.87	+3.2	22	7,257	s.	34	se.	26	5	4	22	7.5	0.0	0.0
Tacoma	194	172	201	29.76	29.97	−.03	47.9	+3.7	77	19	55	31	14	41	33	----	----	----	7.67	+4.1	24	6,371	s.	36	s.	27	5	8	18	7.0	0.0	0.0
Tatoosh Island	86	9	53	29.80	29.90	−.06	46.2	+3.3	58	19	50	35	25	43	15	44	42	87	12.42	+3.8	24	13,372	e.	74	e.	26	4	7	20	7.5	0.0	0.0
Yakima	1,071	5	----	----	----	----	45.9	----	74	19	60	21	4	32	41	39	----	67	0.70	----	5	----	sw.	----	----	----	8	8	15	5.8	T.	0.0
Medford	1,425	4	80	28.49	30.00	----	49.4	----	81	18	60	31	14	38	43	44	40	74	3.24	----	15	----	w.	24	se.	21	2	5	24	8.5	T.	0.0
Portland, Oreg.	153	68	106	29.84	30.00	−.02	50.8	+3.9	76	19	58	32	14	44	27	46	41	72	7.21	+3.3	22	4,862	sw.	23	e.	26	6	5	20	7.1	0.0	0.0
Roseburg	510	75	99	29.47	30.02	−.02	50.9	+3.8	76	18	59	33	12	42	28	47	43	78	5.71	+2.4	19	2,739	s.	26	sw.	26	0	12	19	8.0	0.0	0.0
Middle Pacific Coast Region							**56.3**	**+3.4**										**79**	**4.19**	**+0.8**										**6.1**		
Eureka	62	73	89	30.01	30.08	+.02	52.1	+3.8	66	21	58	40	12	46	19	49	48	87	7.01	+1.8	18	4,218	se.	28	sw.	26	4	6	21	7.6	0.0	0.0
Red Bluff	332	50	56	29.68	30.04	.00	56.7	+3.1	86	18	66	35	28	47	36	51	46	72	3.78	+0.5	13	3,671	se.	26	se.	26	11	10	10	5.3	0.0	0.0
Sacramento	69	106	117	29.98	30.05	+.02	56.5	+2.2	79	18	65	43	29	48	29	52	49	79	3.39	+0.8	11	5,005	se.	25	se.	26	11	6	14	5.4	0.0	0.0
San Francisco	155	208	243	29.89	30.06	.00	58.2	+4.0	77	17	64	47	28	52	26	53	50	79	4.65	+1.5	15	4,862	w.	30	s.	26	9	8	14	5.9	0.0	0.0
San Jose	141	12	110	29.92	30.07	----	57.8	+4.1	83	18	67	39	28	48	35	----	----	----	2.12	−0.5	12	4,055	se.	28	nw.	27	8	8	15	6.2	0.0	0.0
South Pacific Coast Region							**59.8**	**+3.4**										**73**	**1.33**	**−0.7**										**4.9**		
Fresno	327	89	98	29.71	30.07	+.06	59.4	+4.4	86	18	70	39	29	48	34	52	46	68	1.32	−0.3	8	4,094	nw.	21	nw.	28	10	12	9	5.0	0.0	0.0
Los Angeles	338	159	191	29.69	30.06	+.04	60.6	+3.1	83	18	69	48	28	53	30	53	47	70	1.99	−0.8	6	3,567	sw.	24	nw.	28	14	5	12	5.1	0.0	0.0
San Diego	87	62	70	29.96	30.05	+.03	59.4	+2.7	74	16	66	46	29	53	23	54	51	80	0.69	−1.0	7	4,192	nw.	21	w.	28	14	9	8	4.6	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.94	30.03	----	75.2	−0.2	87	19	81	67	12	70	18	----	----	----	1.67	−1.5	10	8,899	e.	28	e.	15	13	15	3	4.6	0.0	0.0
Panama Canal																																
Balboa Heights	118	7	97	[1] 29.77	[1] 29.85	+.01	81.8	+0.6	93	23	90	71	1	73	21	----	----	----	4.07	+3.3	3	----	nw.	----	nw.	----	11	18	2	4.9	0.0	0.0
Colon	38	7	97	[1] 29.88	[1] 29.89	+.01	82.0	+1.4	90	18	87	73	12	77	15	----	----	----	2.42	+0.9	14	----	n.	----	n.	----	5	19	7	5.8	0.0	0.0
Alaska																																
Juneau	80	11	54	[2] 29.61	[2] 29.70	----	32.2	----	47	27	37	11	7	27	18	30	25	75	6.74	----	18	5,800	se.	25	s.	14	5	4	22	7.8	22.4	0.0
Hawaiian Islands																																
Honolulu	38	86	100	[2] 30.00	[2] 30.04	----	73.1	----	81	19	78	60	25	68	14	66	63	72	1.02	−2.2	9	5,721	e.	28	sw.	24	10	13	8	5.2	0.0	0.0
San Juan, P. R. [3]	82	9	54	29.79	29.87	----	80.3	+0.5	94	20	86	71	30	75	18	----	----	----	12.15	+6.0	21	6,181	e.	39	e.	31	7	18	6	5.5	0.0	0.0

[1] Observations taken bihourly. [2] Pressure not corrected to mean of 24 hours. [3] Late report, October, 1927.

TABLE 2.—*Data furnished by the Canadian Meteorological Service, March, 1928*

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				26.1		31.4	20.8	43	4	2.72		0.0
Sydney, C. B. I	48	29.74	29.79	−0.09	27.4	+1.2	34.7	20.1	49	0	3.40	−1.53	17.0
Halifax, N. S	88	29.70	29.81	−.13	29.9	+0.9	37.8	22.0	50	3	2.68	−2.78	9.6
Yarmouth, N. S	65	29.67	29.74	−.21	31.1	+0.3	36.8	25.4	56	10	2.98	−2.02	8.7
Charlottetown, P. E. I	38	29.66	29.70	−.20	26.9	+1.5	33.2	20.7	52	4	3.19	−0.02	19.3
Chatham, N. B	28	29.63	29.66	−.24	24.2	+1.2	32.9	15.5	52	−13	2.86	−0.61	24.8
Father Point, Que	20												
Quebec, Que	296	29.46	29.79	−.17	22.2	+1.0	28.6	15.7	39	−5	2.95	−0.31	21.4
Doucet, Que	1,236												
Montreal, Que	187	29.59	29.81	−.19	25.7	+1.9	32.1	19.3	53	2	3.42	−0.37	23.0
Ottawa, Ont	236	29.58	29.86	−.15	25.0	+3.5	33.0	17.1	52	−5	2.69	−0.03	19.5
Kingston, Ont	285												
Toronto, Ont	379	29.47	29.90	−.12	30.6	+3.3	37.6	23.6	71	9	2.22	−0.42	11.7
Cochrane, Ont	930												
White River, Ont	1,244												
London, Ont	808				29.8		38.2	21.4	71	2	3.16		21.0
Southampton, Ont	656	29.16	29.90	−.13	24.9	+0.2	31.7	18.1	54	−8	2.77	+0.12	23.7
Parry Sound, Ont	688												
Port Arthur, Ont	644	29.22	29.95	−.10	23.0	+6.2	32.8	13.2	58	−10	0.60	−0.37	6.0
Winnipeg, Man	760												
Minnedosa, Man	1,690	28.16	30.06	.00	18.9	+6.4	29.4	8.4	58	−19	1.14	+0.49	11.4
Le Pas, Man	860				15.5		27.7	3.3	59	−21	0.35		3.5
Qu'Appelle, Sask.*	2,115	27.66	29.97	−.07	21.1	+6.2	30.8	11.4	66	−12	1.28	+0.51	12.8
Moose Jaw, Sask	1,759				28.2		38.0	18.4	73	−7	0.70		6.0
Swift Current, Sask	2,392	27.35	29.93	−.09	31.2	+9.2	42.1	20.3	71	−2	0.63	−0.18	5.7
Medicine Hat, Alb	2,144	27.59	29.89	−.11	35.0	+7.5	46.5	23.4	68	6	0.08	−0.68	0.8
Calgary, Alb	3,428												
Banff, Alb	4,521	25.24	29.90	−.04	30.1	+9.9	41.2	18.9	63	3	1.47	+0.06	13.2
Prince Albert, Sask	1,450	28.43	30.06	−.02	22.2	+10.2	33.5	10.9	60	−22	0.38	−0.39	2.3
Battleford, Sask	1,592	28.21	30.01	−.05	24.3	+11.2	35.1	13.5	62	−12	0.63	+0.17	6.3
Edmonton, Alb	2,150	27.56	29.90	−.06	26.3	+2.1	36.2	16.4	65	−10	1.20	+0.48	12.0
Kamloops, B. C	1,262												0.0
Victoria, B. C	230	29.67	29.92	−.05	46.7	+4.8	52.7	40.8	67	34	2.09	−1.03	0.0
Barkerville, B. C	4,180												
Estevan Point, B. C	20												
Prince Rupert, B. C	170												
Hamilton, Ber	151	29.94	30.11	+.03	63.5	+1.3	70.2	56.9	75	49	5.82	+0.69	0.0

* Record for 27 days only.

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Cape Race, N. F	99				23.0		29.5	16.5	37	0	3.49		9.5
Kamloops, B. C	1,262	28.96	30.30	+.34	30.8	+2.5	37.5	24.2	45	3	0.07	−0.72	0.7
Barkerville, B. C	4,180	25.72	30.14	+.23	22.9	+4.0	31.2	14.6	41	−11	3.70	+0.64	37.0
Estevan Point, B. C	20				41.8		47.3	36.3	53	28	7.91		0.0