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, February, 1930

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	53.9	+5.6	Camp Hill	86	24	Valley Head	19	15	2.28	−3.02	Florence	3.87	Dadeville	0.95
Arizona	51.1	+3.7	Litchton	93	16	Williams	−6	28	0.46	−0.68	Oracle	2.10	6 stations	0.00
Arkansas	52.2	+9.4	Dardanelle	86	26	2 stations	16	16	3.92	+0.57	Springbank	6.18	Mena	1.60
California	50.5	+3.3	Betteravia	94	17	Twin Lakes	−10	24	2.87	−1.57	Upper Mattole	11.75	3 stations	0.00
Colorado	33.5	+6.1	Canon City	82	6	Steamboat Springs	−35	11	0.69	−0.32	Silver Lake	6.64	do	0.00
Florida	63.6	+3.3	Orlando	89	28	Penney Farms	27	1	3.12	−0.02	West Palm Beach	7.34	Apalachicola	1.26
Georgia	53.7	+5.7	Quitman	87	25	Clayton	11	1	1.61	−3.39	Brunswick	4.21	Montezuma	0.52
Idaho	35.0	+6.4	Meridian	70	15	Big Springs	−15	24	2.25	+0.38	Roland	6.63	Challis	0.46
Illinois	40.2	+11.7	Carlinville	82	24	2 stations	−7	15	2.02	+0.07	Mount Carmel	4.62	Warsaw	0.61
Indiana	40.6	+11.0	Scottsburg	79	19	Valparaiso	−3	16	2.49	−0.05	Jeffersonville	4.37	Plymouth	0.48
Iowa	35.5	+12.9	2 stations	80	24	Webster City	−34	15	0.67	−0.54	Fairport	2.45	Red Oak	0.06
Kansas	46.3	+13.9	do	85	23	Atchison	−3	15	0.31	−0.82	Columbus	1.98	10 stations	0.00
Kentucky	45.1	+8.5	Beaver Dam	80	25	2 stations	2	16	3.49	+0.04	Hopkinsville	5.05	Pikeville	2.26
Louisiana	59.0	+5.8	Ruston	84	24	3 stations	25	[2] 1	3.51	−0.98	Hammond	5.62	Dalcour	1.92
Maryland-Delaware	39.4	+6.4	Newburg, Md	85	25	Oakland, Md	−20	16	2.06	−0.98	Stevensville, Md	3.36	Princess Anne, Md	1.14
Michigan	27.2	+7.8	2 stations	69	[2] 21	Sidnaw	−36	15	1.76	+0.06	Alma	3.39	Mackinac Island	0.38
Minnesota	23.1	+11.3	Tracy	65	20	Pokegama Falls	−41	15	1.25	+0.52	Redby	3.27	Tracy	0.08
Mississippi	55.8	+6.6	Port Gibson	84	25	2 stations	21	16	3.38	−1.51	Lake	5.33	2 stations	1.30
Missouri	44.5	+12.1	Jefferson City	89	24	Downing	−5	15	1.71	−0.40	New Madrid	4.42	Warrensburg	0.15
Montana	32.0	+11.0	Chinook	76	19	Outlook	−23	14	0.59	−0.13	Heron	4.90	3 stations	T.
Nebraska	39.7	+14.1	Merriman	85	16	Walthill	−11	14	0.39	−0.33	Gordon	1.46	2 stations	0.00
Nevada	40.5	+4.8	Las Vegas	89	15	Lamoille	−2	28	0.77	−0.26	Marlette Lake	4.72	do	0.00
New England	25.5	+3.0	Springfield, Mass	74	20	2 stations	−37	[2] 6	2.06	−1.15	Ellsworth, Me	4.56	Burlington, Vt	0.48
New Jersey	35.6	+6.2	Pleasantville	80	25	Layton	−10	17	2.80	−0.80	Asbury Park	5.13	Cape May City	1.07
New Mexico	41.7	+4.5	2 stations	82	[2] 7	2 stations	−18	1	0.25	−0.42	Winsor's Ranch	1.43	38 stations	0.00
New York	28.0	+5.8	Port Jervis	75	25	Stillwater	−40	17	1.72	−1.01	Taberg	5.22	Chazy	0.20
North Carolina	47.1	+4.8	Newbern	86	[2] 25	Banners Elk	−2	1	1.34	−2.76	Andrews	3.02	Brevard	0.30
North Dakota	21.7	+13.8	Fort Yates	63	19	3 stations	−30	[2] 14	1.18	+0.69	2 stations	2.50	Tagus	0.11
Ohio	38.7	+9.3	Middleport	81	25	do	−6	16	2.63	+0.24	Bellefontaine	4.64	Paulding	1.20
Oklahoma	51.3	+10.2	Mangum	93	24	Beaver	12	10	1.24	−0.04	Ardmore	5.31	3 stations	0.00
Oregon	41.4	+4.5	Marshfield	79	17	Sand Creek	−10	28	4.51	+0.16	Valsetz	20.75	Madras	0.26
Pennsylvania	35.1	+7.4	Quakertown	80	25	Brookville	−18	16	2.69	+0.03	Cresson	4.88	Lloyd	0.93
South Carolina	51.6	+4.2	Yemassee	88	22	Caesar's Head	12	16	1.12	−3.21	Caesar's Head	3.93	Aiken	0.52
South Dakota	33.2	+15.2	Academy	78	18	Webster	−20	15	0.72	+0.01	Mobridge	2.60	Orman	0.02
Tennessee	48.5	+7.5	Clarksville	82	25	Johnson City	8	1	4.06	−0.28	Crossville	6.84	Johnson City	1.59
Texas	57.5	+7.0	Riogrande	96	24	Spearman	11	10	1.53	−0.33	Dialville	5.78	39 stations	0.00
Utah	35.2	+4.4	St. George	77	17	Woodruff	−11	4	1.12	−0.21	Silver Lake	4.52	3 stations	0.00
Virginia	43.7	+6.5	2 stations	86	25	Burkes Garden	−7	16	1.46	−1.61	Onley	3.17	Winchester	0.48
Washington	37.6	+3.2	Kiona	70	18	Laurier	−7	14	5.86	+1.30	Big Four	30.19	Irene Mountain	0.43
West Virginia	39.8	+7.6	2 stations	81	[2] 24	3 stations	−21	16	2.62	−0.47	Pickens	5.21	Brandywine	0.95
Wisconsin	25.3	+9.6	High Falls	68	22	Solon Springs	−36	15	1.40	+0.23	Sturgeon Bay	3.50	Prairie du Chien	0.20
Wyoming	30.5	+9.0	Torrington	70	20	Riverside	−17	28	0.64	−0.14	Kendall	3.53	Wamsutter	T.
Alaska [January]	7.1	+3.2	Yakutat	58	19	Fort Yukon	−50	3	1.31	−1.16	Chignik	29.86	Fort Yukon	0.10
Hawaii	70.4	+1.8	Kaanapali	92	26	Puu Kapele	44	15	6.57	+0.38	Waiakamoi	28.52	Ka Lae	0.00
Porto Rico	73.0	−0.4	Mayaguez	91	17	Guineo Reservoir	49	4	1.96	−0.96	Rio Blanco	5.73	Utuado	0.00

[1] For description of tables and charts, see REVIEW, January, 1930, p. 37.

[2] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, February, 1930*

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	°F.		°F.	°F.		°F.	° F.	° F.	° F.	%	In.	In.		Miles								0–10	In.	In.
New England							**28.9**	**+3.5**										**76**	**2.40**	**−0.9**										**5.2**		
Eastport	76	67	85	29.90	29.99	+0.01	22.9	+1.4	42	14	32	−8	17	14	32	21	17	77	4.47	+1.1	15	6,891	nw.	38	nw.	16	8	3	17	6.5	18.6	T.
Greenville, Me.	1,070	6	----	28.79	30.01	------	16.8	------	54	24	28	−24	7	5	35	----	----	----	1.81	------	8	5,573	se.	30	------	11	12	11	5	----	10.5	----
Portland, Me.	103	82	117	29.92	30.05	+.03	26.4	+2.6	55	20	34	−5	17	18	29	23	18	72	2.15	−1.8	14	4,991	n.	29	nw.	16	14	3	11	5.0	9.4	0.1
Concord	289	70	79	29.71	30.04	.00	25.6	+2.8	66	20	37	−8	12	14	39	----	----	----	0.87	−2.0	8	3,348	nw.	27	nw.	16	14	6	8	4.7	6.6	0.0
Burlington	403	11	48	29.60	30.07	+.04	20.8	+1.4	56	20	30	−16	17	12	36	----	----	----	0.48	−1.1	11	7,222	s.	39	s.	12	7	6	15	6.6	5.1	T.
Northfield	876	12	60	------	30.06	+.02	19.8	+3.4	61	20	31	−18	17	8	40	----	----	83	0.93	−1.3	10	4,114	n.	21	s.	12	8	8	12	6.2	4.7	T.
Boston	125	106	165	29.91	30.05	+.01	34.1	+5.3	68	20	43	−1	17	25	29	29	23	66	2.23	−1.1	12	5,455	nw.	34	nw.	16	14	8	6	4.7	9.5	0.0
Nantucket	12	14	90	30.03	30.04	.00	33.3	+2.6	60	21	40	5	17	26	28	31	28	84	3.41	0.0	12	9,478	sw.	42	sw.	14	13	8	7	4.9	11.8	0.0
Block Island	26	11	46	30.02	30.05	.00	34.2	+3.8	57	21	41	5	17	28	21	30	28	81	3.95	+0.3	12	10,720	sw.	56	nw.	16	10	12	6	4.7	8.4	T.
Providence	160	215	251	29.88	30.06	+.01	33.6	+4.6	69	20	43	−2	17	25	27	29	23	68	2.57	−1.1	11	6,846	nw.	44	nw.	16	15	5	8	4.3	7.5	T.
Hartford	159	122	----	29.89	30.07	+.01	32.8	+5.6	69	20	42	−1	17	24	29	----	----	----	2.05	−1.8	13	------	sw.	----	------	----	10	10	8	5.0	6.5	T.
New Haven	106	74	153	29.96	30.09	+.02	34.0	+5.0	69	20	42	1	17	26	29	30	25	74	3.27	−0.7	15	5,316	s.	26	nw.	16	14	7	7	4.5	5.9	0.0
Middle Atlantic States							**39.4**	**+6.0**										**71**	**2.09**	**−1.1**										**5.4**		
Albany	97	107	115	29.98	30.09	+.02	28.8	+4.7	66	20	38	−6	17	20	30	25	21	77	1.04	−1.4	11	4,332	s.	28	se.	12	12	6	10	5.1	5.9	0.5
Binghamton	871	10	84	29.11	30.07	−.01	30.0	+6.0	65	25	40	−6	17	21	36	----	----	----	1.62	−0.6	12	3,471	nw.	18	nw.	10	9	2	17	6.8	3.7	T.
New York	314	414	454	29.74	30.09	+.01	37.0	+5.7	73	25	45	7	16	29	36	32	26	67	3.40	−0.4	11	9,868	nw.	58	w.	10	5	11	12	6.1	3.6	0.0
Bellefonte	1,050	5	36	28.94	30.08	------	31.6	------	67	25	42	−5	16	21	34	28	24	78	2.71	------	13	------	sw.	----	------	----	5	5	18	7.8	5.0	0.0
Harrisburg	374	94	104	29.70	30.12	+.03	37.0	+6.8	74	25	46	5	16	28	32	32	26	66	2.75	−0.2	9	3,661	w.	24	sw.	10	8	8	12	6.4	2.7	0.0
Philadelphia	114	123	367	29.99	30.12	+.02	40.1	+6.2	79	25	48	8	16	32	29	34	27	64	3.65	+0.3	9	8,182	sw.	35	n.	16	9	8	11	5.5	1.5	0.0
Reading	325	81	98	29.75	30.12	------	37.6	+8.8	77	25	46	6	16	29	34	33	28	71	2.60	−0.8	10	3,679	w.	20	w.	10	8	8	12	6.0	2.5	0.0
Scranton	805	111	119	29.20	30.10	+.02	32.4	+5.1	67	25	41	1	17	24	28	29	26	78	1.87	−1.2	10	4,153	sw.	23	nw.	10	5	11	12	6.6	4.3	T.
Atlantic City	52	37	172	30.05	30.11	.00	39.4	+5.8	77	25	47	8	16	32	33	34	30	74	2.07	−1.3	10	10,154	nw.	42	s.	13	9	13	6	5.1	3.6	0.0
Cape May	17	13	49	------	------	------	39.2	+5.1	74	20	48	8	17	31	33	35	31	80	1.07	−2.2	10	------	nw.	----	------	----	10	10	8	----	5.7	0.0
Sandy Hook	22	10	55	30.06	30.08	------	35.8	------	68	25	42	9	16	29	28	32	28	75	3.63	−0.1	12	8,809	w.	48	nw.	16	8	11	9	5.4	4.1	0.0
Trenton	190	159	183	29.89	30.10	------	37.6	+6.9	76	25	47	6	16	28	34	32	27	70	3.81	+0.5	11	5,914	sw.	29	nw.	10	9	7	12	5.7	2.7	0.0
Baltimore	123	100	215	29.97	30.11	.00	42.0	+6.6	83	25	51	9	16	33	33	36	31	69	2.38	−1.0	8	5,685	sw.	32	sw.	10	12	7	9	5.5	3.4	0.0
Washington	112	62	85	29.99	30.12	+.01	41.9	+6.6	84	25	52	7	16	32	37	36	29	64	1.64	−1.6	7	3,677	nw.	28	nw.	13	12	5	11	5.2	1.5	0.0
Cape Henry	18	8	54	30.09	30.11	------	46.4	+5.2	84	25	55	20	16	37	38	41	38	78	1.84	−1.4	6	6,688	sw.	44	n.	15	15	9	4	3.8	0.8	0.0
Lynchburg	681	153	188	29.37	30.13	+.02	45.8	+5.5	81	25	57	17	16	34	38	37	29	57	0.95	−2.2	7	4,384	w.	29	nw.	27	13	9	6	4.2	0.2	0.0
Norfolk	91	170	205	30.04	30.14	+.03	48.2	+5.5	81	25	58	15	16	39	32	41	36	72	1.24	−2.0	6	7,265	s.	34	w.	10	13	10	5	3.9	1.0	0.0
Richmond	144	11	52	29.97	30.14	+.03	45.3	+5.7	82	25	57	11	16	34	37	38	32	67	1.21	−2.0	4	4,804	sw.	34	w.	26	16	8	4	3.9	2.5	0.0
Wytheville	2,304	49	55	27.69	30.13	+.01	41.6	+6.5	71	25	52	10	16	31	36	35	29	68	0.88	−2.1	7	4,320	w.	24	nw.	27	14	9	5	4.1	0.2	0.0
South Atlantic States							**53.0**	**+5.1**										**68**	**1.03**	**−2.7**										**3.4**		
Asheville	2,253	70	84	27.75	30.17	+.04	44.2	+5.7	78	25	56	13	1	33	34	36	30	64	0.67	−2.5	5	4,902	nw.	28	n.	10	16	9	3	3.4	T.	0.0
Charlotte	779	55	62	29.29	30.14	+.02	50.6	+6.7	82	25	61	22	16	40	31	42	35	62	0.92	−3.3	4	3,190	s.	23	sw.	26	18	5	5	3.1	0.0	0.0
Greensboro	886	5	56	29.17	30.15	------	44.6	------	81	25	58	11	1	31	42	37	33	76	1.25	------	3	4,698	sw.	27	nw.	26	16	6	6	3.7	T.	0.0
Hatteras	11	5	50	30.12	30.13	+.02	51.6	+4.2	73	25	59	29	16	44	23	47	44	81	0.73	−3.3	5	7,631	ne.	37	n.	16	17	6	5	3.3	0.0	0.0
Raleigh	376	103	110	29.73	30.14	+.03	49.6	+6.4	82	25	61	22	16	39	32	42	35	65	1.18	−2.7	4	3,843	sw.	27	nw.	26	21	3	4	3.0	T.	0.0
Wilmington	78	81	91	30.07	30.16	+.04	53.2	+5.3	81	25	63	25	17	43	30	45	41	73	0.38	−2.9	2	4,032	sw.	24	sw.	4	18	5	5	3.3	0.0	0.0
Charleston	48	11	92	30.11	30.16	+.04	55.7	+3.3	81	24	64	34	17	48	24	49	45	76	0.81	−2.2	3	5,696	sw.	26	n.	16	17	7	4	3.4	0.0	0.0
Columbia, S. C.	351	41	57	29.77	30.16	+.05	53.4	+5.2	83	25	64	27	17	43	32	44	36	60	0.65	−3.1	4	4,002	sw.	27	sw.	26	16	9	3	3.2	0.0	0.0
Due West	711	10	55	29.40	30.19	------	50.8	------	79	24	62	26	16	40	32	----	----	----	0.92	------	5	4,965	sw.	27	w.	26	17	6	5	3.2	0.0	0.0
Greenville, S. C.	1,039	139	146	29.03	30.14	------	50.6	+7.3	79	25	60	23	16	41	28	42	34	59	1.24	−3.9	6	4,689	sw.	30	n.	16	19	5	4	3.1	T.	0.0
Augusta	182	62	77	29.95	30.14	+.02	54.8	+4.9	83	25	67	29	1	43	36	45	38	62	0.96	−3.2	4	2,780	nw.	18	w.	26	17	8	3	3.2	0.0	0.0
Savannah	65	150	194	30.08	30.15	+.03	58.0	+4.0	82	24	67	34	17	49	28	49	44	71	1.13	−2.0	5	6,598	w.	25	sw.	26	15	5	8	4.1	0.0	0.0
Jacksonville	43	209	245	30.10	30.15	+.03	60.8	+2.8	81	25	69	41	17	53	30	53	48	73	2.61	−0.4	7	6,505	ne.	37	sw.	4	11	7	10	4.7	0.0	0.0
Florida Peninsula							**69.4**	**+2.9**										**79**	**3.35**	**+1.4**										**3.9**		
Key West	22	10	64	30.05	30.07	.00	72.2	+1.7	83	5	77	60	1	67	15	66	64	81	2.86	+1.5	8	6,225	ne.	33	sw.	7	16	6	6	3.4	0.0	0.0
Miami	25	124	168	30.07	30.10	−.01	70.5	+3.4	81	5	76	51	1	65	22	64	60	74	3.86	+2.0	8	5,922	e.	38	ne	17	12	9	7	4.8	0.0	0.0
Tampa	35	79	197	30.08	30.12	+.02	65.5	+3.6	83	28	75	41	1	56	29	59	56	83	3.34	+0.8	4	6,672	n.	36	ne.	7	12	10	6	4.3	0.0	0.0
Titusville	44	5	----	30.09	30.14	------	64.4	------	86	26	75	36	1	54	33	----	----	----	1.67	------	4	------	nw.	----	------	----	----	----	----	3.0	0.0	0.0
East Gulf States							**56.0**	**+4.7**										**71**	**2.20**	**−2.6**										**4.4**		
Atlanta	1,173	190	216	28.90	30.15	+.03	51.8	+6.5	77	25	61	24	16	42	27	45	39	66	1.02	−3.8	6	6,479	nw.	31	w.	4	15	8	5	3.8	0.0	0.0
Macon	370	78	87	29.76	30.16	+.04	53.0	+3.7	82	25	65	27	1	41	37	44	37	64	2.04	−2.4	4	3,463	s.	22	nw.	13	18	6	4	3.0	0.0	0.0
Thomasville	273	49	58	29.85	30.15	+.03	58.6	+3.6	81	26	69	34	17	48	29	50	44	70	3.17	−1.3	6	2,623	ne.	22	sw.	4	11	7	10	4.8	0.0	0.0
Apalachicola	36	11	51	30.10	30.14	------	58.8	------	76	26	66	38	17	52	23	54	52	82	1.26	−2.6	4	4,652	e.	26	ne.	16	12	9	7	4.2	0.0	0.0
Pensacola	56	149	185	30.08	30.14	+.03	58.7	+3.5	75	26	65	33	16	53	22	54	51	81	2.24	−2.1	7	7,297	e.	46	s.	4	11	8	9	4.8	0.0	0.0
Anniston	741	9	57	29.37	30.18	+.06	51.6	+5.8	82	25	64	24	11	39	38	----	----	----	1.56	−3.9	8	3,383	s.	22	se.	28	15	8	5	3.5	0.0	0.0
Birmingham	700	11	48	29.38	30.16	+.04	54.0	+6.0	81	25	64	25	16	44	30	45	38	62	1.71	−3.4	7	4,858	s.	29	se.	28	14	8	6	4.4	0.0	0.0
Mobile	57	125	161	30.07	30.13	+.02	58.4	+3.7	76	26	67	33	16	50	28	52	49	78	1.94	−3.4	6	5,481	s.	31	nw.	15	8	8	12	5.5	0.0	0.0
Montgomery	223	100	112	29.91	30.16	+.04	55.5	+3.9	80	25	66	30	16	45	30	48	40	63	2.69	−2.8	8	3,962	s.	22	n.	15	10	11	7	4.6	0.0	0.0
Corinth	469	6	----	------	------	------	52.8	------	79	25	64	22	16	41	38	----	----	----	4.28	------	10	------	se.	----	------	----	7	17	4	----	0.0	0.0
Meridian	375	87	95	29.73	30.13	+.02	55.1	+5.5	80	25	66	27	16	44	34	48	43	71	3.11	−2.3	8	3,481	s.	26	se.	28	12	7	9	4.7	0.0	0.0
Vicksburg	247	65	73	29.84	30.13	+.03	57.2	+5.4	80	25	66	30	16	48	26	49	42	65	2.72	−2.1	8	4,512	s.	23	s.	3	12	9	7	4.5	0.0	0.0
New Orleans	53	76	84	30.06	30.12	+.03	61.6	+4.3	79	13	70	35	16	54	22	56	54	84	2.98	−1.3	7	3,966	se.	23	ne.	15	10	8	10	5.4	0.0	0.0
West Gulf States							**58.4**	**+6.8**										**76**	**2.31**	**−0.2**										**5.3**		
Shreveport	249	77	93	29.81	30.09	.00	57.4	+6.5	79	24	66	33	16	49	27	51	46	73	4.72	+1.4	11	3,886	s.	24	ne.	10	10	6	12	5.6	0.0	0.0
Bentonville	1,303	11	44	28.64	30.02	−.08	48.8	+10.3	76	23	60	23	10	38	33	----	----	----	3.34	------	6	4,933	s.	25	s.	20	15	6	7	----	0.0	0.0
Fort Smith	457	79	94	29.56	30.04	−.06	53.0	+10.2	80	23	63	29	16	43	33	46	40	69	1.91	−0.6	5	4,706	e.	32	w.	25	10	10	8	5.0	0.0	0.0
Little Rock	357	136	153	29.70	30.08	−.03	54.0	+9.1	79	23	63	30	16	45	32	47	40	66	4.40	+0.6	9	6,048	sw.	31	n.	15	9	9	10	5.5	0.0	0.0
Austin	605	136	148	29.40	30.03	------	59.6	+6.2	86	22	70	35	17	49	37	53	49	74	1.70	−0.6	7	5,327	s.	26	n.	15	9	10	9	5.2	0.0	0.0
Brownsville	57	83	100	29.97	30.03	------	66.6	+4.0	83	13	75	46	6	58	30	61	58	84	1.09	−0.1	4	7,264	se.	34	n.	15	8	12	8	5.3	0.0	0.0
Corpus Christi	20	11	78	30.02	30.04	−.01	63.0	+4.6	78	22	70	45	16	56	24	59	56	85	0.37	−1.1	7	6,858	e.	32	n.	15	8	8	12	6.0	0.0	0.0
Dallas	512	220	227	29.49	30.04	------	56.4	------	80	22	66	34	16	47	31	----	----	----	1.90	−0.4	8	8,257	se.	39	n.	9	17	5	6	3.8	0.0	0.0
Fort Worth	670	106	114	29.30	30.02	−.05	57.6	+9.3	82	22	68	33	16	47	35	50	44	68	1.08	−0.7	9	6,089	s.	26	s.	11	12	8	8	4.6	0.0	0.0
Galveston	54	106	114	30.04	30.10	+.03	60.0	+3.7	74	13	65	40	16	55	15	57	56	91	2.74	−0.1	6	6,618	se.	28	nw.	15	10	6	12	5.5	0.0	0.0
Groesbeck	461	11	56	29.56	30.05	------	57.8	------	81	22	67	31	16	49	31	----	----	----	2.27	−0.6	8	7,277	s.	30	n.	15	10	9	9	5.1	0.0	0.0
Houston	138	292	314	29.92	30.07	------	61.2	+5.3	81	22	69	37	16	53	24	----	----	----	2.34	−0.8	9	7,757	se.	36	n.	15	9	5	14	6.0	0.0	0.0
Palestine	510	64	72	29.53	30.06	−.02	57.6	+6.4	83	22	66	32	16	49	28	53	51	82	4.21	+1.2	8	5,300	s.	23	sw.	12	8	8	12	5.9	0.0	0.0
Port Arthur	34	58	66	30.05	30.09	------	60.4	------	76	13	68	35	16	53	23	----	----	----	2.46	−1.1	7	4,560	s.	34	n.	15	9	5	14	5.9	0.0	0.0
San Antonio	693	119	132	29.30	30.03	−.02	61.6	+6.2	86	22	72	37	16	52	35	54	49	68	0.94	−0.7	5	4,159	se.	30	nw.	25	8	11	9	5.3	0.0	0.0
Taylor	583	55	63	29.46	30.08	+.02	58.4	+7.1	83	22	68	34	16	48	32	----	----	----	2.47	+0.4	8	5,628	s.	26	s.	24	11	8	9	5.1	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, February, 1930*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	°F.	°F.	°F.		°F.	°F.		°F.	°F.	°F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Ohio Valley and Tennessee							**44.2**	**+8.2**										**70**	**3.05**	**−0.3**										**6.2**		
Chattanooga	762	190	215	29.33	30.16	+0.03	50.1	+6.0	79	25	60	22	16	40	31	42	33	58	3.25	−1.6	9	5,050	sw.	34	nw.	13	14	5	9	4.5	0.0	0.0
Knoxville	995	102	111	29.07	30.15	+.03	47.9	+6.0	75	25	59	18	16	37	35	41	35	68	3.78	−0.7	9	3,915	sw.	32	sw.	9	14	8	6	4.1	T.	0.0
Memphis	399	76	97	29.67	30.10	−.01	52.7	+8.4	78	25	60	25	16	45	24	47	41	70	4.78	+0.4	10	5,183	sw.	32	sw.	4	11	6	11	5.0	0.0	0.0
Nashville	546	168	191	29.55	30.15	+.03	49.3	+7.7	74	25	59	21	16	40	34	43	36	66	3.68	−0.4	10	5,826	s.	33	s.	12	9	9	10	5.5	T.	0.0
Lexington	989	193	230	29.04	30.14	+.03	43.8	+8.4	69	25	52	10	16	36	27	----	----	----	2.91	−0.7	10	8,853	sw.	40	w.	9	11	6	11	5.4	1.3	0.0
Louisville	525	188	234	29.53	30.12	+.01	46.0	+8.8	74	25	54	15	16	38	25	40	34	67	3.86	+0.3	8	7,112	s.	44	nw.	25	7	11	10	6.0	0.1	0.0
Evansville	431	76	116	29.62	30.10	−.01	45.4	+9.1	72	25	53	18	16	38	26	40	35	72	3.12	−0.1	8	6,206	s.	30	sw.	24	6	9	13	6.4	2.8	0.0
Indianapolis	822	194	230	29.16	30.07	+.03	41.6	+10.5	69	19	49	13	16	34	25	36	30	69	2.76	0.0	7	7,272	s.	32	w.	10	4	12	12	6.5	1.2	0.0
Royal Center	736	11	55	29.23	30.05	----	38.0	----	68	21	45	7	15	31	27	----	----	----	1.58	−0.8	5	6,872	sw.	32	w.	10	5	10	13	6.9	0.2	0.0
Terre Haute	575	96	129	29.44	30.07	----	41.9	----	70	19	49	12	16	35	27	37	32	73	2.21	−0.4	8	6,061	s.	27	sw.	22	9	6	13	6.1	1.5	0.0
Cincinnati	627	11	51	29.40	30.10	.00	43.0	+10.2	72	25	51	8	16	35	29	37	32	72	2.95	0.0	8	4,990	sw.	24	sw.	12	7	9	12	6.2	1.5	0.0
Columbus	822	179	222	29.18	30.08	−.01	40.4	+9.7	70	22	48	8	16	33	28	36	31	72	3.45	+0.8	10	6,369	s.	38	nw.	10	3	6	19	7.6	0.7	0.0
Dayton	899	137	173	29.10	30.08	----	41.7	+10.3	69	25	48	10	16	35	26	37	32	74	2.31	−0.4	10	5,956	sw.	28	nw.	10	3	12	13	7.0	0.7	0.0
Elkins	1,947	59	67	28.02	30.14	+.03	36.9	+5.3	70	25	48	−14	16	25	43	32	28	76	2.78	−0.3	13	3,520	w.	34	w.	26	7	4	17	6.8	8.2	0.0
Parkersburg	637	77	82	29.45	30.12	+.02	41.4	+7.2	77	25	51	5	16	32	37	36	30	68	2.30	−0.8	10	3,743	se.	28	nw.	26	8	2	18	7.1	0.1	0.0
Pittsburgh	842	353	410	29.16	30.09	.00	39.0	+6.7	70	22	47	4	16	31	30	35	29	70	3.12	+0.5	12	6,430	sw.	38	w.	26	2	9	17	7.7	1.2	0.0
Lower Lake Region							**31.7**	**+6.8**										**78**	**1.55**	**−0.9**										**7.2**		
Buffalo	767	247	280	29.18	30.03	−.03	29.0	+4.7	66	22	37	−1	16	22	31	27	24	82	2.20	−0.8	17	10,250	sw.	58	sw.	14	6	8	14	7.1	10.1	0.6
Canton	448	10	61	29.55	30.05	----	18.8	+0.8	56	23	29	−30	6	9	39	----	----	----	0.50	−1.8	12	5,843	sw.	34	sw.	13	7	9	12	6.1	7.4	0.0
Ithaca	836	5	100	29.13	30.07	----	29.0	+4.5	66	20	38	−8	17	20	34	26	22	78	1.45	−0.5	14	6,048	s.	34	se.	12	2	4	22	8.0	7.2	T.
Oswego	335	76	91	29.68	30.06	.00	26.8	+2.9	58	24	35	−8	17	19	30	24	21	80	1.28	−1.4	15	6,676	se.	28	w.	10	1	9	18	7.8	16.3	2.2
Rochester	523	86	102	29.47	30.06	.00	30.1	+5.5	67	22	38	3	16	22	31	26	22	72	1.90	−0.8	17	5,592	sw.	34	sw.	14	5	6	17	7.3	12.6	0.5
Syracuse	596	65	79	29.40	30.06	−.01	29.9	+6.1	65	22	38	−7	6	22	32	----	----	----	1.03	−1.7	14	4,463	s.	22	s.	12	7	6	15	6.9	4.7	0.8
Erie	714	130	166	29.28	30.05	−.02	33.6	+6.7	69	22	41	−1	16	26	33	31	27	78	1.53	−1.0	11	8,682	s.	38	sw.	14	4	8	16	7.1	2.5	T.
Cleveland	762	267	337	29.20	30.04	−.03	37.5	+10.1	72	22	45	7	15	30	34	34	29	73	2.45	−0.1	14	9,389	s.	38	s.	12	4	6	18	7.8	4.8	T.
Sandusky	629	5	67	29.34	30.04	−.03	37.0	+9.6	70	22	45	5	16	29	35	----	----	----	1.81	−0.3	15	5,922	sw.	27	w.	10	5	6	17	7.2	2.2	0.0
Toledo	628	208	243	29.35	30.05	−.02	36.6	+9.3	70	25	44	6	16	29	35	32	28	74	1.71	−0.3	15	8,648	sw.	37	sw.	10	9	8	11	6.1	2.5	0.0
Fort Wayne	856	113	124	29.10	30.04	----	38.6	+12.8	69	25	46	8	16	31	26	34	31	78	1.11	−1.2	9	6,080	sw.	29	w.	10	1	11	16	7.5	0.6	0.0
Detroit	730	218	258	29.22	30.03	−.03	33.8	+8.5	65	25	40	3	16	27	32	31	29	84	1.67	−0.5	13	5,539	sw.	30	w.	14	5	6	17	7.3	6.2	0.5
Upper Lake Region							**26.0**	**+6.8**										**84**	**1.82**	**0.0**										**7.0**		
Alpena	609	13	92	29.32	30.01	−.02	22.0	+4.0	50	23	30	−13	16	14	35	21	18	84	1.42	−0.3	13	6,609	w.	36	ne.	26	3	12	13	7.0	10.0	2.5
Escanaba	612	54	60	29.29	29.98	−.08	19.8	+4.4	46	20	29	−17	16	11	43	18	16	88	1.76	+0.3	17	5,545	s.	26	ne.	26	7	7	14	6.4	17.2	3.0
Grand Haven	632	54	89	29.28	29.98	−.07	30.6	+6.4	59	22	37	2	16	24	27	29	28	90	2.07	−0.1	16	7,351	s.	44	w.	9	4	4	20	8.0	6.1	0.0
Grand Rapids	707	70	87	29.22	30.02	−.03	32.9	+9.2	67	22	40	3	15	26	27	30	26	80	1.83	−0.4	13	3,734	sw.	26	nw.	9	3	9	16	7.3	5.9	0.0
Houghton	668	64	99	29.20	29.96	−.09	18.6	+4.9	68	19	28	−24	16	9	44	----	----	----	2.72	+0.9	15	6,362	e.	36	e.	25	3	10	15	7.4	17.9	14.3
Lansing	878	6	49	29.04	30.01	----	31.0	+8.1	66	22	38	1	15	24	29	29	28	93	1.41	−0.5	16	3,580	sw.	18	w.	14	6	8	14	7.0	7.8	T.
Ludington	637	60	66	29.28	29.98	----	28.8	+6.3	59	24	35	−1	16	23	25	27	25	86	2.51	+0.5	15	6,537	s.	35	w.	9	5	6	17	7.0	10.1	0.7
Marquette	734	77	111	29.14	29.97	−.08	21.8	+5.5	62	19	30	−13	15	14	29	20	17	84	1.56	−0.3	16	5,814	w.	38	s.	18	3	10	15	7.9	15.1	9.5
Port Huron	638	70	120	29.31	30.02	−.03	29.8	+7.1	60	22	36	−2	16	23	22	27	24	82	2.14	+0.2	13	6,761	s.	31	w.	14	4	11	13	6.5	5.4	0.3
Sault Sainte Marie	614	11	52	29.28	30.01	−.02	16.3	+3.7	45	20	25	−25	16	7	39	15	13	88	1.65	−0.3	14	4,676	se.	30	w.	14	11	5	12	5.9	16.9	15.0
Chicago	673	7	131	29.27	30.01	−.07	37.1	+10.8	67	21	44	1	15	30	27	33	29	73	1.42	−0.7	9	6,815	sw.	25	nw.	9	3	10	15	7.2	1.5	0.0
Green Bay	617	109	141	29.27	29.96	−.10	24.8	+7.4	60	21	33	−14	15	17	33	23	20	81	1.67	+0.1	12	6,327	s.	31	ne.	25	3	7	18	7.6	8.3	1.8
Milwaukee	681	125	221	29.22	29.98	−.08	32.3	+9.5	60	20	39	−7	15	26	24	30	27	82	1.28	−0.6	11	8,132	w.	31	w.	9	9	6	13	6.3	2.9	T.
Duluth	1,133	5	47	28.67	29.94	−.14	18.8	+7.4	51	19	26	−25	15	11	28	17	15	85	2.11	+1.1	15	8,951	ne.	50	nw.	9	7	6	15	6.8	18.9	12.1
North Dakota							**22.0**	**+14.2**										**85**	**1.37**	**+0.8**										**6.1**		
Moorhead	940	50	58	28.86	29.91	−.20	23.0	+14.9	52	19	31	−11	15	16	30	22	20	89	2.03	+1.3	14	5,360	s.	31	nw.	9	3	8	17	7.7	10.6	6.2
Bismarck	1,674	8	57	28.09	29.93	−.19	24.3	+14.0	57	18	34	−11	14	15	36	22	19	82	1.36	+0.9	10	5,325	nw.	30	nw.	13	8	15	5	5.1	15.8	10.6
Devils Lake	1,478	11	44	28.27	29.91	−.20	17.1	+12.0	48	20	25	−23	14	9	33	16	14	88	1.32	+0.8	10	6,327	nw.	36	n.	13	7	8	13	6.5	11.6	10.2
Ellendale	1,457	10	56	28.30	29.91	----	25.6	----	59	19	35	−16	15	16	39	----	----	----	0.92	+0.3	11	8,424	nw.	50	nw.	9	4	11	13	6.6	6.8	5.6
Grand Forks	833	12	67	----	----	----	18.2	----	47	18	26	−23	14	10	44	17	----	----	1.89	----	12	----	nw.	40	w.	9	16	11	1	----	17.9	11.7
Williston	1,878	41	48	27.89	29.93	−.18	23.8	+15.7	56	20	33	−15	14	15	32	22	18	80	1.24	+0.8	7	4,413	w.	33	nw.	12	12	8	8	4.7	12.7	8.5
Upper Mississippi Valley							**36.3**	**+11.7**										**77**	**1.69**	**+0.1**										**6.5**		
Minneapolis	918	102	208	28.90	29.92	----	27.4	+11.5	59	21	36	−12	15	19	25	----	----	----	2.66	+1.7	11	6,734	nw.	36	nw.	9	4	8	16	7.2	4.8	2.0
St. Paul	837	236	261	29.00	29.94	−.15	26.9	+11.1	58	20	35	−13	15	19	26	----	----	----	2.09	+1.2	12	6,973	se.	45	sw.	9	4	7	17	7.4	7.6	2.2
La Crosse	714	11	48	29.16	29.95	−.13	30.4	+11.2	64	21	39	−10	15	22	29	27	24	80	0.78	−0.3	11	2,976	s.	18	w.	9	5	11	12	6.9	3.5	0.3
Madison	974	70	78	28.90	29.99	−.08	30.0	+10.9	60	22	38	−11	15	22	24	28	25	82	0.78	−0.7	8	5,435	s.	26	w.	9	6	9	13	6.3	1.9	1.0
Wausau	1,247	4	64	28.59	29.98	----	22.8	----	58	21	32	−20	15	14	31	----	----	----	2.08	+0.9	12	3,687	w.	24	w.	9	8	2	18	7.1	10.1	3.2
Charles City	1,015	10	51	28.87	29.98	−.12	29.6	+12.5	61	21	38	−15	15	21	27	27	25	84	0.44	−0.7	9	4,188	se.	22	nw.	9	8	8	12	5.8	4.3	T.
Davenport	606	71	79	29.33	30.01	−.09	37.2	+12.3	69	19	45	−2	15	29	29	34	30	78	2.38	+0.8	8	6,873	sw.	38	nw.	9	5	11	12	6.5	0.6	0.0
Des Moines	861	5	99	29.06	29.99	−.12	38.2	+14.5	78	24	47	−10	15	29	36	34	29	72	0.50	−0.6	5	6,193	s.	31	nw.	9	7	9	12	6.4	4.5	0.0
Dubuque	700	81	96	29.22	29.99	−.10	33.7	+11.5	65	24	42	−5	15	26	31	31	29	83	1.19	−0.2	9	4,035	nw.	22	nw.	10	4	13	11	6.6	3.6	0.0
Keokuk	614	64	78	29.34	30.03	−.08	40.7	+12.4	78	24	50	0	15	32	38	36	30	70	1.01	−0.5	5	4,852	s.	25	nw.	9	6	12	10	6.4	1.0	0.0
Cairo	358	87	93	29.70	30.10	−.02	48.0	+9.5	74	25	56	20	16	40	28	43	37	71	2.53	−0.6	8	6,156	s.	32	n.	4	5	10	13	6.6	T.	0.0
Peoria	609	11	45	29.36	30.04	−.06	38.4	+12.5	71	24	47	0	15	30	31	34	31	78	2.10	+0.1	6	4,455	s.	22	w.	9	10	9	9	5.2	0.6	0.0
Springfield, Ill	636	154	191	29.35	30.04	−.06	40.4	+10.9	78	24	48	6	15	33	27	37	33	79	2.76	+0.4	7	8,236	s.	31	se.	25	5	7	16	6.7	1.8	0.0
Hannibal	534	74	109	29.45	30.04	−.07	42.0	+12.3	79	24	51	6	15	33	36	----	----	----	1.73	−0.1	6	5,782	sw.	29	sw.	24	7	9	12	6.1	1.8	0.0
St. Louis	568	265	303	29.44	30.05	−.06	45.3	+10.8	80	24	54	12	16	37	32	39	33	68	2.35	−0.2	4	8,273	sw.	35	sw.	21	9	9	10	5.7	4.2	0.0
Missouri Valley							**41.0**	**+15.1**										**69**	**0.77**	**−0.4**										**5.2**		
Columbia, Mo	784	6	84	29.18	30.03	−.08	44.2	+12.5	81	24	53	6	15	35	39	----	----	----	1.82	−0.2	4	5,238	s.	27	sw.	24	7	10	11	5.9	3.4	0.0
Kansas City	963	161	181	28.96	30.02	−.09	46.2	+15.0	81	24	55	5	15	37	34	40	34	66	0.80	−1.0	5	7,067	s.	27	nw.	9	12	12	4	4.3	1.2	0.0
St. Joseph	967	11	49	28.94	30.00	----	44.3	----	83	24	54	3	15	34	34	38	32	66	0.83	−0.6	4	5,576	sw.	28	nw.	9	13	10	5	4.0	2.5	0.0
Springfield, Mo	1,324	98	104	28.63	30.06	−.05	46.8	+11.6	76	24	56	21	15	38	30	41	36	71	1.59	−0.8	4	6,781	s.	29	sw.	24	13	7	8	4.5	T.	0.0
Iola	984	11	50	28.96	30.02	−.08	47.1	+13.9	82	24	58	18	15	36	42	----	----	----	0.05	−1.6	1	4,645	s.	21	sw.	24	12	9	7	4.5	T.	0.0
Topeka	987	92	107	----	----	----	46.6	+15.6	83	24	57	7	15	36	36	----	----	----	0.60	−0.9	3	6,600	sw.	31	sw.	21	14	9	5	4.0	0.3	0.0
Lincoln	1,189	11	81	28.69	29.98	−.12	41.6	+15.5	70	18	52	2	15	31	34	36	30	70	0.31	−0.6	4	5,997	s.	32	nw.	9	7	13	8	5.7	1.5	0.0
Omaha	1,105	115	122	28.78	29.99	−.12	40.8	+15.3	70	18	50	4	15	32	33	35	29	67	0.21	−0.7	3	4,895	nw.	29	nw.	9	9	14	5	4.8	1.6	0.0
Valentine	2,598	47	54	27.21	29.98	−.11	37.6	+16.2	74	20	50	8	27	26	42	31	25	69	0.70	+0.2	6	5,063	w.	28	nw.	9	4	15	9	5.8	7.0	4.2
Sioux City	1,135	94	164	28.74	29.98	−.14	36.4	+15.4	69	18	46	−3	14	27	32	32	27	72	0.28	−0.5	3	7,523	nw.	42	nw.	9	3	15	10	6.4	3.4	T.
Huron	1,306	59	74	28.52	29.95	−.17	32.2	+17.9	70	18	43	−5	15	22	40	28	24	77	1.24	+0.7	4	5,751	w.	34	w.	9	4	15	9	6.0	9.9	9.6
Pierre	1,572	70	75	28.25	29.96	−.15	35.0	+16.4	75	18	46	3	14	24	41	29	22	65	1.32	+0.9	4	5,329	nw.	34	nw.	9	8	13	7	5.0	10.7	10.1
Yankton	1,233	49	57	28.61	2.969	−.16	36.4	+15.5	69	18	47	0	15	26	37	----	----	----	0.24	−0.6	3	5,023	nw.	30	nw.	9	5	10	13	6.5	3.0	T.

TABLE 1.—*Climatological data for Weather Bureau stations, February, 1930*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature: Departure from normal	Temperature: Maximum	Temperature: Date	Temperature: Mean maximum	Temperature: Minimum	Temperature: Date	Temperature: Mean minimum	Temperature: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	°F.		°F.	° F.		°F.	° F.	° F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Northern Slope							**34.4**	**+12.6**										**68**	**0.46**	**−0.2**										**6.1**		
Billings	3,140	5					36.8		69	18	48	7	28	25	39				0.50		4		nw.				6	12	10		2.0	1.5
Havre	2,505	11	44	27.24	29.93	−0.14	33.3	+19.7	62	18	43	−1	14	24	51	29	23	71	0.27	−0.2	5	5,636	sw.	27	sw.	10	3	11	14	6.8	2.4	0.5
Helena	4,110	87	112	25.72	29.98	−.13	35.8	+12.8	64	18	44	11	28	28	27	30	22	58	0.25	−0.4	7	5,180	sw.	44	sw.	15	2	11	15	7.6	2.8	0.4
Kalispell	2,973	48	56	26.87	29.98	−.10	32.4	+9.1	60	18	40	3	14	25	26	29	23	69	0.62	−0.5	8	3,160	nw.	26	sw.	18	5	15	8	5.9	3.0	T.
Miles City	2,371	48	55	27.38	29.99	−.10	33.4	+16.6	65	18	44	5	28	23	37	29	24	73	0.36	−0.1	5	3,485	s.	29	nw.	12	4	13	11	6.5	0.4	0.4
Rapid City	3,259	50	58	26.52	30.00	−.08	37.8	+14.4	74	18	49	7	15	27	47	31	23	60	0.18	−0.3	3	4,564	w.	28	nw.	11	7	12	9	5.9	1.7	1.7
Cheyenne	6,088	84	101	23.92	29.99	−.04	34.5	+7.2	61	18	44	8	28	25	30	29	23	64	1.03	+0.4	8	8,962	w.	48	w.	1	5	12	11	6.3	11.6	0.9
Lander	5,372	60	68	24.56	30.00	−.08	34.2	+11.7	59	18	45	11	28	23	36	30	25	73	0.46	−0.2	3	3,056	w.	46	w.	8	11	13	4	4.8	4.5	4.0
Sheridan	3,790	10	47	26.01	29.98		33.6		69	18	44	2	15	23	48	29	23	68	0.48	−0.2	7	2,908	nw.	18	nw.	25	4	15	9	6.0	5.3	2.0
Yellowstone Park	6,241	11	48		30.07	−.03	27.6	+8.0	48	19	35	2	28	20	26			73	0.69	−0.6	17	5,992	sw.	32	sw.	8	3	7	18		12.4	4.8
North Platte	2,821	11	51	27.01	29.98	−.09	40.3	+13.7	74	20	53	15	1	27	42	33	27	68	0.24	−0.3	2	4,276	w.	22	nw.	21	11	10	7	4.9	0.2	0.0
Middle Slope							**46.2**	**+12.4**										**59**	**0.59**	**−0.3**										**4.2**		
Denver	5,292	106	113	24.66	29.96	−.05	42.3	+9.6	71	18	54	19	15	31	40	33	22	51	0.16	−0.4	3	4,665	s.	26	nw.	11	8	14	6	4.7	2.2	0.0
Pueblo	4,685	80	86	25.21	29.93	−.07	43.2	+10.3	72	23	59	16	1	27	48	32	18	44	0.06	−0.4	2	4,301	nw.	34	nw.	11	18	8	2	3.4	0.5	0.0
Concordia	1,392	50	58	28.52	30.01	−.08	45.2	+15.4	77	19	56	10	15	34	34	38	30	63	0.14	−0.7	4	5,286	s.	27	s.	21	7	15	6	5.2	T.	0.0
Dodge City	2,509	11	51	27.38	30.02	−.04	47.2	+14.0	80	23	62	22	10	32	42	37	28	58	0.04	−0.7	3	5,344	nw.	27	se.	27	19	6	3	2.9	T.	0.0
Wichita	1,358	139	158	28.54	29.99	−.09	48.6	+14.2	82	23	59	20	15	38	33	41	35	64	T.	−1.2	0	8,341	s.	40	s.	21	12	11	5	4.2	T.	0.0
Broken Arrow	765	11	56	29.20	30.03		49.4		76	23	59	29	16	40	33				2.46	+1.1	4	8,186	s.	38	ne.	9	9	10	9	5.4	0.0	0.0
Oklahoma City	1,214	10	47	28.72	30.02	−.05	50.8	+11.2	80	23	62	29	15	40	35	44	39	72	1.29	+0.2	5	6,523	s.	30	n.	9	13	9	6	3.9	0.0	0.0
Southern Slope							**54.5**	**+8.6**										**47**	**0.02**	**−0.7**										**2.6**		
Abilene	1,738	10	52	28.19	30.00	−.05	57.5	+10.3	87	23	72	29	10	43	44	45	34	50	0.06	−1.0	1	6,300	s.	27	s.	21	15	9	4	3.3	0.0	0.0
Amarillo	3,676	10	49	26.23	29.98	−.04	49.5	+11.4	77	23	64	27	13	35	42	37	25	46	0.00	−0.7	0	5,591	sw.	25	s.	27	20	6	2	2.1	0.0	0.0
Del Rio	944	64	71	29.01	30.00	.00	61.1	+5.1	85	12	74	37	5	48	42	51	41	56	0.01	−0.5	1	4,952	se.	26	nw.	25	14	12	2	3.3	0.0	0.0
Roswell	3,566	75	85	26.36	29.98	.00	49.9	+7.4	81	23	68	21	26	32	54	37	20	36	T.	−0.6	0	4,548	s.	34	nw.	25	21	7	0	1.8	0.0	0.0
Southern Plateau							**50.0**	**+5.2**										**45**	**0.50**	**−0.1**										**2.0**		
El Paso	3,778	152	175	26.20	30.00	+.05	53.2	+4.2	77	19	67	28	26	40	36	40	24	37	0.16	−0.2	2	6,044	nw.	34	ne.	4	24	4	0	1.6	0.0	0.0
Santa Fe	7,013	38	53	23.23	30.02	+.04	38.6	+5.5	61	18	50	13	4	27	30	30	20	51	0.49	−0.3	5	3,874	n.	19	n.	3	18	7	3	2.8	2.6	T.
Flagstaff	6,907	10	59	23.35	30.02	+.02	35.0	+4.2	62	18	50	6	25	20	41	28		62	1.06		5	5,025	w.	44	ne.	3	16	9	3		5.2	2.0
Phoenix	1,108	10	107	28.83	29.99	.00	60.4	+5.3	87	17	76	36	26	45	40	46	32	40	0.19	−0.6	1	2,945	e.	27	n.	3	23	1	4	2.0	0.0	0.0
Yuma	141	9	54	29.85	30.00	.00	63.0	+4.4	88	17	78	37	25	48	42	49	32	36	0.01	−0.4	1	3,087	n.	22	w.	26	22	6	0	1.5	0.0	0.0
Independence	3,957	6	27	26.00	30.06	.00	50.0	+7.8	76	16	64	23	28	35	37	38			1.66	+0.9	2		nw.				19	4	5		0.0	0.0
Middle Plateau							**37.6**	**+4.3**										**64**	**0.84**	**−0.2**										**5.1**		
Reno	4,532	74	81	25.51	30.09	+.01	42.4	+6.8	71	17	55	20	27	30	40	36	29	62	0.41	−0.8	5	3,370	w.	34	se.	19	8	15	5	4.8	1.1	T.
Tonopah	6,090	12	20				40.9		66	17	50	16	24	32	27	31	19	44	0.12		2		nw.									
Winnemucca	4,344	18	56	25.67	30.12	+.03	37.8	+4.3	65	17	49	11	1	27	36	33	28	72	0.61	−0.3	8	3,907	sw.	30	w.	20	8	16	4	4.7	0.8	T.
Modena	5,473	10	43	24.64	30.05	+.01	36.4	+5.4	63	17	50	2	28	23	38	31	24	66	0.56	−0.4	6	5,599	w.	36	s.	20	10	9	9	4.7	4.0	T.
Salt Lake City	4,360	163	203	25.66	30.09	+.01	39.9	+6.1	65	18	48	23	4	32	27	35	28	64	2.15	+0.6	7	3,553	s.	29	se.	22	6	9	13	6.5	20.6	6.1
Grand Junction	4,602	60	68	25.44	30.10	+.06	31.6	−1.3	60	22	43	0	4	20	31	27	22	73	0.45	−0.1	8	2,752	nw.	26	se.	27	11	9	8	4.9	4.5	0.0
Northern Plateau							**39.7**	**+6.7**										**71**	**1.55**	**+0.1**										**7.6**		
Baker	3,471	48	53	26.46	30.10	−.02	34.6	+5.6	55	18	42	17	9	28	24	32	28	76	0.74	−0.5	13	3,219	se.	18	sw.	20	1	6	21	8.5	5.5	T.
Boise	2,739	78	86	27.22	30.12	.00	40.4	+5.6	66	17	48	22	27	33	29	36	31	73	2.63	+1.2	12	2,715	se.	22	se.	22	1	6	21	8.1	8.1	1.3
Lewiston	757	40	48	29.22	30.04	−.07	43.0	+6.0	62	19	50	28	9	36	21				1.37	+0.1	12	2,529	e.	27	nw.	8	3	10	15	7.5	6.3	0.0
Pocatello	4,477	60	68	25.49	30.08	−.02	37.7	+8.3	61	18	44	19	28	30	23	33	27	68	1.19	−0.1	10	7,312	se.	30	sw.	11	2	14	12	6.6	7.0	6.0
Spokane	1,929	101	110	27.95	30.03	−.06	38.1	+6.8	60	18	45	14	14	31	20	35	30	73	1.52	−0.2	9	3,924	sw.	26	sw.	20	5	10	13	6.8	2.6	0.0
Walla Walla	991	57	65	28.95	30.03	−.08	44.8	+7.7	69	17	52	28	9	38	26	40	34	66	1.87	+0.1	13	3,246	s.	22	w.	22	0	8	20	8.2	1.9	0.0
North Pacific Coast Region							**44.4**	**+3.5**										**81**	**5.01**	**+0.4**										**8.0**		
North Head	211	11	56	29.78	30.01	−.05	44.4	+1.4	58	17	49	33	8	40	15	43	40	85	6.48	−1.0	21	11,148	s.	72	s.	20	4	7	17	7.6	0.0	0.0
Port Angeles	29	8	53		30.02		40.9		59	17	47	29	9	34	19				4.25	+1.0	17	3,617	sw.	37	w.	10	2	9	17		1.2	0.0
Seattle	125	215	250	29.86	29.99	−.07	44.3	+3.2	63	17	50	30	28	39	18	42	38	80	3.82	−0.1	18	6,212	s.	47	s.	20	2	5	21	8.1	2.3	0.0
Tacoma	194	172	201	29.82	30.03	−.03	44.6	+4.0	67	17	51	28	9	38	21				3.96	−0.7	20	5,349	s.	42	s.	20	2	8	18	7.6	2.0	0.0
Tatoosh Island	86	9	53	29.84	29.94	−.06	43.3	+2.3	53	17	47	34	13	40	11	42	41	91	15.80	+6.4	24	12,516	e.	53	s.	4	4	3	21	7.6	0.0	0.0
Yakima	1,076	58	67	28.86	30.03		39.8	+5.3	64	17	49	23	1	31	29	35	30	70	1.19	+0.2	7	2,528	nw.	30	w.	2	3	11	14	7.0	2.6	0.0
Medford	1,329	29	58	28.55	30.08		44.8		68	14	53	29	28	36	31	43	41	85	1.59	−0.8	13		nw.	40	se.	22	1	6	21	8.6	1.3	0.0
Portland, Oreg.	153	68	106	29.88	30.04	−.04	46.3	+4.2	63	17	53	31	28	40	21	44	40	78	5.03	−0.3	17	3,702	se.	27	s.	20	0	5	23	8.8	T.	0.0
Roseburg	510	75	99	29.52	30.08	−.02	47.8	+4.4	68	17	55	30	28	40	24	45	41	78	2.96	−1.5	20	2,051	s.	22	s.	21	0	8	20	8.5	0.7	0.0
Middle Pacific Coast Region							**53.6**	**+3.7**										**78**	**2.95**	**−1.0**										**5.0**		
Eureka	62	73	89	30.06	30.13	+.02	50.5	+3.3	85	17	57	33	28	44	36	47	45	84	4.92	−1.6	17	3,775	se.	32	se.	21	4	7	17	7.1	0.0	0.0
Red Bluff	330	5	58	29.72	30.09	−.02	53.6	+4.2	80	15	64	32	27	43	35	49	45	74	3.42	−0.5	11	3,385	nw.	30	se.	19	10	10	8	5.4	0.0	0.0
Sacramento	69	106	117	30.02	30.09	.00	53.6	+3.5	76	14	63	34	27	44	29	50	47	79	1.62	−1.4	8	4,297	se.	37	se.	22	20	6	2	2.5	0.0	0.0
San Francisco	155	208	243	29.92	30.09	−.01	56.5	+4.3	78	14	63	43	27	50	23	52	48	76	2.94	−0.9	8	3,426	w.	28	n.	24	11	12	5	4.6	0.0	0.0
San Jose	141	12	110	29.95	30.10		54.0	+3.4	81	17	65	33	27	43	36				1.86	−0.5	7	3,389	se.	35	se.	22	11	7	10	5.2	0.0	0.0
South Pacific Coast Region							**57.7**	**+3.8**										**69**	**1.00**	**−1.2**										**3.7**		
Fresno	327	89	98	29.74	30.10	+.02	55.8	+4.7	84	17	67	36	24	45	34	50	43	66	1.89	+0.5	7	2,780	nw.	30	nw.	23	19	6	3	3.1	0.0	0.0
Los Angeles	338	159	191	29.69	30.06	.00	59.4	+3.9	89	17	68	43	28	50	31	51	44	66	0.45	−2.6	3	2,942	sw.	23	nw.	24	19	6	3	3.0	0.0	0.0
San Diego	87	62	70	29.96	30.06	.00	57.9	+2.8	84	17	65	44	28	51	28	52	48	76	0.66	−1.4	4	3,280	nw.	19	s.	22	8	13	7	5.1	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.92	30.01		74.6	−0.3	87	18	80	66	3	69	17				2.36	−0.1	16	5,702	e.	25	e.	15	8	18	2	5.0	0.0	0.0

TABLE 1.—*Climatological data for Weather Bureau stations, February, 1930*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer above ground	Pressure: Station, reduced to mean of 24 hours	Pressure: Sea level, reduced to mean of 24 hours	Pressure: Departure from normal	Temperature of the air: Mean max. + mean min. ÷ 2	Temperature of the air: Departure from normal	Temperature of the air: Maximum	Temperature of the air: Date	Temperature of the air: Mean maximum	Temperature of the air: Minimum	Temperature of the air: Date	Temperature of the air: Mean minimum	Temperature of the air: Greatest daily range	Mean wet thermometer	Mean temperature of the dew-point	Mean relative humidity	Precipitation: Total	Precipitation: Departure from normal	Precipitation: Days with 0.01, or more	Wind: Total movement	Wind: Prevailing direction	Wind: Maximum velocity: Miles per hour	Wind: Maximum velocity: Direction	Wind: Maximum velocity: Date	Clear days	Partly cloudy days	Cloudy days	Average cloudiness, tenths	Total snowfall	Snow, sleet, and ice on ground at end of month
	Ft.	Ft.	Ft.	In.	In.	In.	° F.	° F.	°F.		°F.	° F.		°F.	° F.	° F.	°F.	%	In.	In.		Miles								0-10	In.	In.
Panama Canal																																
Balboa Heights	118	7	97	[1] 29.78	[2] 29.87	+0.01	79.7	−0.6	92	12	89	69	4	71	22			[2] 75	0.85	+0.1	4	5,965	n.	24	n.	8	10	15	3	4.7	0.0	0.0
Cristobal	38	7	97	[1] 29.86	[2] 29.89	.00	81.2	+0.4	86	27	85	73	24	77	12	73	71	[2] 73	0.75	−0.8	9	8,888	n.	24	n.	28	8	18	2	4.4	0.0	0.0
Alaska																																
Fairbanks	455	11	44	[1] 29.25	[1] 29.84		-21.1		32	27	-11	−51	10	-31	41	−23	−27	77	0.36		4		n.				14	7	7	4.5	5.3	15.8
Juneau	80	11	50	[1] 29.47	[1] 29.56		29.2		45	4	33	2	12	25	15	28	25	83	8.59		23	5,088	se.	29	e.	18	2	2	24	8.6	64.5	15.8
Hawaiian Islands																																
Honolulu	38	86	100	[1] 30.00	[1] 30.04		72.6	+1.8	81	25	78	65	7	68	14	66	64	76	1.21	−2.5	8	4,181	ne.	31	e.	27	15	9	4	4.1	0.0	0.0

[1] Pressure not reduced to mean of 24 hours. [2] Observations taken bihourly.

TABLE 2.—*Data furnished by the Canadian Meteorological Service, February, 1930*

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												
Sydney, C. B. I	48	29.90	29.95	+0.03	20.2	+0.9	30.4	10.0	48	−10	4.20	+0.11	32.0
Halifax, N. S	88	29.88	29.99	+.04	23.8	+1.4	32.9	14.7	47	−2	3.46	−1.70	20.5
Yarmouth, N. S	65	29.87	29.94	−.05	27.2	+1.4	35.3	19.0	47	5	4.77	+0.60	35.2
Charlottetown, P. E. I	38	29.86	29.90	−.05	18.8	+1.2	27.5	10.2	47	−6	4.72	+1.66	43.2
Chatham, N. B	28												
Father Point, Que	20	29.94	29.97	−.01	13.2	+1.7	22.0	4.5	40	−17	0.56	−1.65	5.6
Quebec, Que	296	29.69	30.03	+.04	13.5	+1.7	21.5	5.6	47	−18	1.86	−1.41	18.0
Doucet, Que	1,236				3.4		20.3	−13.4	45	−54	2.46		20.0
Montreal, Que	187	29.81	30.03	+.01	17.7	+3.2	25.9	9.5	46	−14	1.34	−1.73	11.4
Ottawa, Ont	236	29.78	30.07	+.05	17.3	+5.6	27.5	7.0	54	−19	0.84	−1.85	7.4
Kingston, Ont	285	29.73	30.07	+.03	21.2	+3.4	29.1	13.3	48	−14	0.80	−1.74	4.7
Toronto, Ont	379	29.62	30.05	+.01	26.8	+5.3	34.1	19.5	55	−6	2.28	−0.33	11.3
Cochrane, Ont	930				6.0		17.0	−4.9	52	−34	2.17		21.7
White River, Ont	1,244	28.57	29.95	−.07	7.5	+7.3	22.1	−7.1	52	−50	1.06	−0.46	9.6
London, Ont	808				27.4		35.3	19.6	58	−6	2.81		17.5
Southampton, Ont	656	29.28	30.02	.00	22.6	+2.7	30.8	14.5	56	−20	3.19	+0.29	22.7
Parry Sound, Ont	688	29.30	30.03	+.02	17.4	+3.1	26.1	8.8	50	−28	2.22	−0.70	12.8
Port Arthur, Ont	644	29.23	29.96	−.09	16.4	+10.0	24.7	8.1	50	−22	0.85	−0.05	6.1
Winnipeg, Man	760												
Minnedosa, Man	1,690	28.02	29.92	−.17	11.8	+14.5	20.5	3.0	43	−30	1.20	+0.59	11.8
Le Pas, Man	860				2.5		11.6	−6.5	39	−41	1.13		11.3
Qu'Appelle, Sask	2,115	27.56	29.89	−.19	16.4	+17.0	24.0	8.8	47	−28	0.48	−0.25	4.2
Moose Jaw, Sask	1,759				21.1		30.6	11.6	50	−24	0.87		8.4
Swift Current, Sask	2,392	27.24	29.82	−.25	26.4	+18.4	35.6	17.2	52	−18	0.14	+0.60	1.4
Medicine Hat, Alb	2,144												
Calgary, Alb	3,428												
Banff, Alb	4,521												
Prince Albert, Sask	1,450	28.30	29.97	−.12				−0.1	47	−40	0.53	−0.16	5.3
Battleford, Sask	1,592	28.09	29.90	−.19	14.5	+14.4	24.6	4.3	47	−34	0.64	+0.27	4.4
Edmonton, Alb	2,150												
Kamloops, B. C	1,262												
Victoria, B. C	230	29.71	29.97	−.03	42.1	+2.6	46.8	37.5	54	32	5.17	+1.07	1.0
Barkerville, B. C	4,180												
Estevan Point, B. C	20												
Prince Rupert, B. C	170												
Hamilton, Ber	151												

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Winnipeg, Man	760	29.36	30.28	+0.17	−7.3	−0.5	0.0	−14.7	23	−35	0.29	−0.59	2.9
Medicine Hat, Alb	2,144	27.81	30.22	+.15	3.3	−2.2	11.7	−5.1	24	−36	0.03	−0.54	0.3
Calgary, Alb	3,428	26.47	30.29	+.26	3.3	−5.1	12.3	−5.6	42	−38	0.34	−0.19	3.4
Banff, Alb	4,521	25.39	30.33	+.33	−4.0	−16.1	6.0	−13.9	33	−51	1.13	−0.06	11.3
Edmonton, Alb	2,150	27.82	30.28	+.25	−1.8	−3.6	5.1	−8.6	25	−42	0.57	−0.11	5.7
Kamloops, B. C	1,262	29.02	30.41	+.45	2.7	−20.3	8.4	−3.0	43	−16	0.20	−0.62	2.0
Estevan Point, B. C	20				34.0		41.2	26.8	49	15	2.96		1.6
Prince Rupert, B. C	170				29.0		34.2	23.9	44	12	2.39		11.4