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, 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	52.4	−3.7	Brewton (near)	81	17	2 stations	19	[2] 2	5.64	−0.09	Lock No. 4	8.51	Seven Hills	2.22
Arizona	51.8	−1.0	Parker	102	26	Fort Valley	−11	1	2.06	+0.92	Crown King	5.71	Agua Caliente	0.00
Arkansas	50.4	−2.3	Harrison	83	20	2 stations	15	2	2.21	−2.53	Wynne	7.55	Gravette	0.54
California	51.9	+1.3	Greenland Ranch	100	25	Sierraville	−8	1	3.29	−0.56	Squirrel Inn	9.14	Greenland Ranch	0.07
Colorado	32.5	−1.8	Holly	82	16	Dillon	−31	27	0.89	−0.44	Savage Basin	6.30	3 stations	0.00
Florida	62.0	−3.7	Venus	91	23	6 stations	28	[2] 3	7.37	+4.31	Inverness	12.88	Coral Gables	2.12
Georgia	52.4	−4.3	Waycross	82	1	Clayton	14	3	5.77	+0.98	Thomasville	10.66	Hartwell	3.25
Idaho	38.1	+2.0	Lapwai	79	11	Big Springs	−28	3	1.31	−0.25	Pete King Ranger Station.	6.32	Dubois	T.
Illinois	40.3	−0.3	Pontiac	80	16	Aledo	7	2	1.54	−1.67	Chicago	3.46	Astoria	0.43
Indiana	39.4	−1.3	2 stations	76	[2] 16	Plymouth	4	3	1.82	−2.04	La Porte	4.23	Princeton	0.71
Iowa	37.3	+2.7	do	80	16	Sanborn	−4	2	0.89	−0.88	Mount Ayr	2.42	Inwood	0.04
Kansas	42.3	−1.5	4 stations	81	[2] 12	St. Francis	0	3	0.29	−1.15	Emporia	0.97	Ness City	0.00
Kentucky	44.5	−1.8	Lovelaceville	76	15	Mount Sterling	9	3	2.17	−2.53	Vanceburg	4.25	Woodbury	0.97
Louisiana	56.7	−4.0	2 stations	84	[2] 17	3 stations	23	4	3.63	−1.04	Paradis	7.64	Shreveport	1.24
Maryland-Delaware	42.4	−0.2	do	77	17	Oakland, Md	4	5	2.14	−1.52	State Sanatorium, Md.	4.45	Solomons, Md	0.65
Michigan	29.8	0.0	Monroe	74	16	Dukes	−15	14	1.68	−0.56	Sack Bay	3.82	Sidnaw	0.34
Minnesota	27.8	+1.7	5 stations	75	16	Park Rapids	−21	2	0.50	−0.64	Pigeon River Bridge	2.33	2 stations	T.
Mississippi	54.1	−2.8	2 stations	80	[2] 9	Holly Springs	22	3	4.10	−1.70	Columbus	6.90	Austin	2.06
Missouri	43.2	−0.7	Lamonte	88	16	Grant City	6	2	1.37	−1.65	Caruthersville	4.50	Nevada	0.04
Montana	30.5	+0.4	Upper Yaak River	75	28	Hebgen Dam	−30	3	0.90	+0.03	Adel	3.41	Baker	0.00
Nebraska	36.9	+1.0	McCook	87	16	3 stations	−6	2	0.42	−0.68	Tecumseh	1.32	2 stations	0.00
Nevada	42.4	+1.2	Las Vegas	88	25	Lamoille	−5	1	0.64	−0.31	Marlette Lake	3.23	Imlay	T.
New England	32.4	+0.1	Springfield, Mass	68	7	Ripogenus Dam, Me.	−23	4	4.12	+0.87	West Rockport, Me.	8.78	Bethlehem, N. H	1.35
New Jersey	40.0	+1.6	Indian Mills	78	18	2 stations	9	[2] 5	2.54	−1.32	Belvidere	3.80	Asbury Park	0.44
New Mexico	40.7	−2.8	Carlsbad	83	30	Elizabethtown	−19	28	0.82	−0.02	Skeleton Canyon	3.95	Newman	0.00
New York	32.3	+0.2	2 stations	70	17	2 stations	−10	4	3.53	+0.52	Conklingville	6.14	Gabriels	1.52
North Carolina	47.2	−2.3	Newbern	79	18	Mount Mitchell	−14	3	2.81	−1.50	Andrews	7.72	Hendersonville	0.96
North Dakota	26.1	+3.5	Oakes	62	19	Park River	−17	20	0.09	−0.74	Power	0.80	6 stations	0.00
Ohio	38.3	−1.0	McConnelsville	78	17	2 stations	6	3	2.77	−0.66	McConnelsville	4.19	St. Paris	1.34
Oklahoma	49.3	−1.8	Cherokee	82	16	do	5	[2] 2	0.62	−1.64	Tuskahoma	2.92	2 stations	0.00
Oregon	44.5	+2.5	McMinnville	87	28	do	−3	[2] 1	1.67	−1.39	Government Camp	6.79	Bear Creek	0.04
Pennsylvania	37.9	+0.4	Phoenixville	78	17	Brookville	−9	3	3.03	−0.51	Arendtsville	5.05	Mount Pocono	1.04
South Carolina	50.9	−3.9	Conway	80	18	Walhalla	15	3	3.40	−0.57	Ferguson	6.32	Darlington	0.63
South Dakota	32.4	+1.3	3 stations	75	15	Timber Lake	−11	2	0.51	−0.51	2 stations	3.20	Leola	0.00
Tennessee	47.3	−2.1	Etowah	77	16	2 stations	11	3	4.73	−0.61	Pheasant Field	7.65	Dover	2.02
Texas	55.1	−3.6	Riogrande	104	6	Spearman	6	3	1.73	−0.33	Bronson	5.28	Muleshoe	0.00
Utah	39.5	+1.2	St. George	81	25	Ibapah	−10	1	1.09	−0.33	Silver Lake	3.63	Lucin	T.
Virginia	44.6	−1.3	3 stations	78	[2] 17	Burkes Garden	2	3	2.09	−1.64	Rocky Mount	4.42	Mineral	0.68
Washington	43.0	+2.2	Castle Rock	85	28	Sullivan Lake	−3	2	2.65	−0.71	Big Four	12.88	Wahluke	0.05
West Virginia	40.3	−2.3	Romney	79	25	Pickens	0	3	3.21	−0.73	Pickens	6.03	Upper Tract	0.20
Wisconsin	30.3	+1.2	2 stations	75	16	Danbury	−14	2	1.26	−0.45	Fond du Lac	3.01	Grantsburg	0.20
Wyoming	29.1	−0.7	do	68	[2] 13	Snake River	−30	3	0.89	−0.10	Snake River	2.73	2 stations	0.15
Alaska (Feb.)	−2.4	−11.4	do	50	[2] 5	Eagle	−65	11	1.94	−0.10	Calder	17.96	Talkeetna	T.
Hawaii	69.3	+0.5	do	89	[2] 20	Puu Kapele	41	12	9.76	+1.36	Puohakamoa No. 2	38.00	Kailua	1.07
Porto Rico	74.2	+0.3	Coloso	95	25	Guineo Reservoir	50	3	2.24	−1.24	Mona Island	5.10	Central Aguirre	0.67

[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, March, 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							**34.6**	**+1.9**										**69**	**3.74**	**+0.3**										**5.1**		
Eastport	76	67	85	29.59	29.68	−0.25	30.5	+1.6	47	10	38	5	4	24	30	27	20	66	2.92	−0.9	14	9,200	w.	51	ne.	8	11	6	14	5.9	5.9	0.0
Greenville, Me.	1,070	6	----	28.49	29.69	------	24.6	------	46	12	33	−11	4	16	36	----	----	----	6.22	------	15	6,584	nw.	33	------	22	9	12	10	----	28.5	19.0
Portland, Me.	103	82	117	29.61	29.74	−.22	33.4	+1.6	55	13	41	12	4	26	24	29	22	67	8.02	+4.2	13	7,033	nw.	34	nw.	22	15	7	9	4.5	1.3	0.0
Concord	289	70	79	29.42	29.74	−.26	33.3	+2.5	56	26	42	7	5	24	33	----	----	----	4.34	+1.3	10	5,487	nw.	26	ne.	8	15	10	6	4.0	1.7	0.0
Burlington	403	11	48	29.31	29.77	−.23	28.8	−0.3	49	7	36	1	4	21	34	----	----	----	3.62	+1.6	10	6,796	nw.	46	s.	1	6	11	14	6.5	19.5	T.
Northfield	876	12	60	------	29.76	−.24	27.8	+1.4	50	26	37	−4	5	19	39	----	----	79	3.61	+1.0	11	4,756	n.	22	se.	11	5	12	14	6.8	7.5	T.
Boston	125	106	165	29.61	29.75	−.22	38.3	+2.7	60	10	46	19	3	31	24	33	25	62	3.02	−0.6	11	6,679	nw.	26	nw.	14	12	12	7	4.8	0.6	0.0
Nantucket	12	14	90	29.74	29.75	−.23	37.8	+2.3	58	25	44	21	22	32	21	34	30	74	3.05	−0.7	9	11,596	w.	43	sw.	27	12	13	6	4.9	1.9	0.0
Block Island	26	11	46	29.74	29.77	−.21	37.8	+2.4	52	11	44	19	3	32	21	34	30	75	2.35	−1.5	9	14,043	w.	58	w.	2	14	7	10	4.3	0.4	0.0
Providence	160	215	251	29.58	29.76	−.22	37.8	+2.1	58	10	46	18	3	30	24	33	24	61	3.02	−0.5	9	9,672	nw.	48	nw.	3	15	10	6	4.1	T.	0.0
Hartford	159	122	----	29.59	29.76	−.23	37.2	+2.2	60	13	45	16	3	29	26	----	----	----	3.64	−0.3	9	------	nw.	----	------	----	11	7	13	5.2	T.	0.0
New Haven	106	74	153	29.67	29.79	−.20	38.4	+2.6	62	13	46	18	3	30	28	34	28	70	3.50	−0.6	9	6,898	nw.	30	sw.	27	11	12	8	4.7	T.	0.0
Middle Atlantic States							**42.1**	**+1.3**										**64**	**2.17**	**−1.3**										**5.0**		
Albany	97	107	115	29.68	29.79	−.22	35.9	+3.2	59	13	44	13	3	28	30	30	24	68	2.76	+0.1	12	5,266	s.	27	se.	11	11	13	7	4.6	1.1	0.0
Binghamton	871	10	84	28.85	29.80	−.22	34.6	+2.0	68	17	44	13	3	26	35	----	----	----	2.46	−0.2	14	5,326	nw.	23	nw.	9	5	10	16	6.7	2.4	0.0
New York	314	414	454	29.45	29.80	−.20	39.8	+2.1	62	13	48	17	3	32	29	34	25	59	2.16	−1.5	8	13,641	nw.	55	nw.	3	9	12	10	5.7	T.	0.0
Bellefonte	1,050	5	36	28.68	29.81	------	35.7	------	68	17	47	14	3	25	39	30	25	71	2.31	------	11	------	w.	----	------	----	11	4	16	5.9	2.6	0.0
Harrisburg	374	94	104	29.43	29.84	−.19	40.8	+1.9	71	17	50	19	22	32	32	34	26	59	3.84	+0.8	10	5,977	w.	33	sw.	27	13	9	9	4.9	1.2	0.0
Philadelphia	114	123	367	29.71	29.84	−.18	43.7	+2.9	74	17	52	21	3	35	32	37	30	64	2.58	−0.8	8	10,710	nw.	39	sw.	25	9	14	8	5.2	T.	0.0
Reading	325	81	98	29.47	29.82	------	41.1	+1.1	72	17	50	19	3	32	34	34	27	61	2.07	−1.4	8	5,943	w.	32	e.	7	12	11	8	4.7	T.	0.0
Scranton	805	111	119	28.92	29.80	−.22	36.6	+0.9	70	17	46	14	3	27	33	32	26	66	2.26	−0.9	10	6,050	sw.	26	sw.	1	6	11	14	6.5	1.7	0.0
Atlantic City	52	37	172	29.77	29.83	−.19	41.8	+3.2	65	17	49	20	3	34	26	36	30	67	1.30	−2.3	7	12,694	w.	62	e.	8	12	13	6	4.6	T.	0.0
Cape May	17	13	49	------	------	------	42.6	+1.8	69	17	51	22	22	34	28	37	32	70	1.42	−2.3	8	------	nw.	----	------	----	16	10	5	----	T.	0.0
Sandy Hook	22	10	55	29.76	29.78	------	39.4	------	58	13	46	19	3	33	23	35	29	69	1.68	−2.4	10	11,938	nw.	44	ne.	8	11	11	9	5.1	T.	0.0
Trenton	190	159	183	29.60	29.81	------	41.0	+1.9	73	17	51	18	3	31	36	35	27	62	2.66	−0.7	10	8,965	nw.	38	nw.	2	11	13	7	4.7	T.	0.0
Baltimore	123	100	215	29.71	29.84	−.19	45.2	+2.9	76	17	54	23	3	36	37	38	29	59	2.27	−1.4	6	8,559	sw.	40	sw.	27	15	6	10	4.5	T.	0.0
Washington	112	62	85	29.73	29.85	−.19	45.0	+2.4	75	17	55	21	3	35	40	37	27	56	2.26	−1.5	6	5,786	nw.	32	nw.	12	15	9	7	4.3	T.	0.0
Cape Henry	18	8	54	29.85	29.86	------	47.0	+0.4	77	18	56	23	4	38	35	42	37	73	2.26	−1.6	10	8,460	sw.	34	nw.	2	12	10	9	4.7	0.0	0.0
Lynchburg	681	153	188	29.14	29.89	−.16	45.4	−1.9	73	13	56	18	3	35	41	37	28	54	2.26	−1.3	4	6,151	w.	37	w.	25	13	13	5	4.4	T.	0.0
Norfolk	91	170	205	29.79	29.89	−.14	48.2	0.0	74	18	57	24	4	39	29	41	34	65	1.68	−2.1	10	9,852	w.	42	w.	2	15	6	10	4.7	0.0	0.0
Richmond	144	11	52	29.72	29.88	−.16	46.4	−0.8	76	17	58	22	3	35	36	38	29	56	1.07	−2.6	9	6,792	w.	45	s.	7	13	8	10	4.6	0.0	0.0
Wytheville	2,304	49	55	27.47	29.88	−.17	40.4	−1.9	65	16	51	9	3	30	36	34	27	64	2.05	−1.4	11	6,069	w.	32	w.	26	12	11	8	4.8	3.6	0.0
South Atlantic States							**51.4**	**−2.3**										**68**	**3.71**	**0.0**										**5.1**		
Asheville	2,253	70	84	27.53	29.93	−.13	43.0	−1.9	68	13	54	12	3	32	38	36	29	66	1.66	−2.3	11	6,538	nw.	28	n.	19	13	10	8	4.7	0.5	0.0
Charlotte	779	55	62	29.06	29.91	−.14	48.8	−1.6	72	13	59	20	3	38	32	42	34	63	2.45	−1.7	12	4,760	sw.	24	sw.	25	15	7	9	4.5	0.0	0.0
Greensboro	886	5	56	28.94	29.91	------	45.3	------	73	13	58	16	3	33	43	38	31	67	2.21	------	10	6,861	sw.	33	sw.	25	12	9	10	4.5	0.5	0.0
Hatteras	11	5	50	29.88	29.90	−.14	51.5	−0.5	68	24	58	31	3	45	25	47	43	74	3.15	−1.1	11	10,890	sw.	42	nw.	2	13	7	11	5.1	T.	0.0
Raleigh	376	103	110	29.49	29.90	−.15	48.8	−1.4	74	13	59	22	3	38	35	43	38	70	2.33	−1.5	11	5,568	sw.	30	se.	7	16	4	11	4.6	0.2	0.0
Wilmington	78	81	91	29.85	29.94	−.11	52.1	−1.2	72	17	61	27	4	43	29	47	42	75	2.98	−0.2	12	5,727	w.	26	w.	2	11	9	11	5.4	0.0	0.0
Charleston	48	11	92	29.90	29.95	−.11	54.8	−2.6	72	1	62	29	3	47	28	48	42	69	4.17	+1.2	13	7,501	w.	30	nw.	2	10	8	13	5.6	0.0	0.0
Columbia, S. C.	351	41	57	29.56	29.95	−.11	51.5	−3.7	73	13	61	24	3	42	33	44	36	63	2.31	−1.1	13	6,212	sw.	30	sw.	25	14	8	9	4.8	0.0	0.0
Due West	711	10	55	29.18	29.96	------	48.6	------	71	21	58	21	3	39	33	----	----	----	2.96	------	12	7,975	sw.	38	w.	25	12	9	10	4.9	0.0	0.0
Greenville, S. C.	1,039	139	146	28.81	29.91	------	48.6	−1.3	70	13	58	20	3	39	29	42	36	68	3.51	−1.6	9	7,344	w.	38	w.	2	12	9	10	4.9	0.0	0.0
Augusta	182	62	77	29.74	29.94	−.12	52.8	−3.4	74	13	62	26	3	43	36	45	38	65	4.08	0.0	14	4,758	nw.	26	w.	25	9	11	11	5.2	0.0	0.0
Savannah	65	150	194	29.89	29.96	−.10	55.3	−3.7	76	18	63	29	3	47	29	48	42	70	4.22	+1.2	15	9,054	w.	38	nw.	2	10	5	16	6.4	0.0	0.0
Jacksonville	43	209	245	29.93	29.98	−.08	58.7	−3.9	80	1	66	34	3	52	22	51	45	70	10.00	+7.1	14	8,595	w.	38	nw.	2	7	9	15	6.2	0.0	0.0
Florida Peninsula							**68.2**	**−1.7**										**77**	**5.78**	**+3.8**										**5.7**		
Key West	22	10	64	29.96	29.98	−.07	72.1	−0.5	85	22	77	52	4	67	17	66	63	79	3.71	+2.3	8	7,157	n.	36	nw.	25	12	11	8	4.8	0.0	0.0
Miami	25	124	168	29.97	30.00	−.09	69.0	−1.2	88	20	76	41	4	62	24	62	59	74	3.76	+1.6	9	7,701	s.	29	sw.	29	7	11	13	6.2	0.0	0.0
Tampa	35	79	197	29.96	29.99	−.08	63.4	−3.4	80	19	71	39	4	56	28	57	54	77	9.87	+7.4	14	8,024	n.	34	se.	7	6	4	21	7.0	0.0	0.0
Titusville	44	5	----	29.94	29.99	------	63.4	------	88	1	72	35	4	54	34	----	----	----	9.54	------	13	------	nw.	----	------	----	13	7	11	4.9	0.0	0.0
East Gulf States							**54.0**	**−3.6**										**69**	**6.01**	**+0.8**										**6.0**		
Atlanta	1,173	190	216	28.70	29.96	−.10	49.3	−2.7	70	21	58	21	3	41	26	42	34	62	4.34	−1.0	9	8,826	nw.	38	nw.	2	10	6	15	5.7	T.	0.0
Macon	370	78	87	29.57	29.98	−.08	52.5	−4.2	74	18	62	28	3	43	36	45	38	64	4.80	−0.2	14	5,169	w.	25	s.	6	11	4	16	5.5	T.	0.0
Thomasville	273	49	103	29.69	29.99	−.07	55.7	−4.5	78	18	64	31	3	47	28	49	44	71	10.66	+6.6	15	5,248	nw.	21	w.	25	7	7	17	6.6	0.0	0.0
Apalachicola	36	11	51	29.96	30.00	------	57.3	------	76	1	64	36	3	51	25	52	48	75	8.23	+4.0	12	6,612	nw.	32	e.	28	7	9	15	6.3	0.0	0.0
Pensacola	56	149	185	29.95	30.01	−.05	55.9	−4.4	70	1	62	34	3	50	20	51	46	74	4.38	−0.4	14	9,406	n.	40	n.	1	7	6	18	6.6	0.0	0.0
Anniston	741	9	57	29.19	30.00	−.06	50.6	−1.9	74	21	61	23	3	40	35	----	----	----	8.30	+2.7	9	4,570	nw.	20	w.	25	12	10	9	5.1	T.	0.0
Birmingham	700	11	48	29.21	29.99	−.07	52.2	−3.2	74	21	62	23	3	42	29	44	37	63	6.80	+1.1	9	5,471	w.	28	s.	6	12	4	15	5.7	T.	0.0
Mobile	57	125	161	29.94	30.00	−.06	56.4	−3.3	76	18	64	34	3	49	26	51	46	76	3.22	−2.8	15	7,105	nw.	33	sw.	7	6	10	15	6.6	0.0	0.0
Montgomery	223	100	112	29.75	30.00	−.06	54.2	−3.6	74	18	62	29	3	46	28	47	40	64	4.93	−1.1	13	5,343	nw.	24	w.	1	11	6	14	5.8	0.0	0.0
Corinth	469	6	----	------	------	------	51.0	------	76	15	63	24	3	40	37	----	----	----	5.02	------	9	------	se.	----	------	----	7	16	8	----	0.0	0.0
Meridian	375	87	95	29.59	30.00	−.05	53.3	−3.8	71	17	63	28	3	44	34	46	40	68	6.41	+1.2	11	4,528	sw.	25	nw.	1	10	7	14	5.7	0.0	0.0
Vicksburg	247	65	73	29.74	30.02	−.02	54.4	−4.1	71	14	63	31	3	46	30	47	40	65	4.15	−1.4	11	5,262	nw.	27	nw.	1	9	7	15	6.1	T.	0.0
New Orleans	53	76	84	29.96	30.02	−.02	59.2	−3.6	81	18	66	40	4	52	24	54	51	79	5.88	+1.2	16	5,041	ne.	23	nw.	25	8	10	13	6.5	0.0	0.0
West Gulf States							**56.0**	**−3.3**										**67**	**1.88**	**−0.9**										**5.6**		
Shreveport	249	77	93	29.74	30.01	−.01	55.0	−3.3	77	20	64	28	3	46	32	48	42	67	1.24	−2.9	8	4,725	nw.	25	sw.	6	14	7	10	5.0	0.0	0.0
Bentonville	1,303	11	44	28.57	29.95	−.06	46.3	−1.0	72	15	57	16	2	36	33	----	----	----	0.82	------	7	5,314	nw.	26	nw.	11	22	6	3	----	T.	0.0
Fort Smith	457	79	94	29.48	29.97	−.04	50.8	−1.8	76	20	61	25	3	40	38	43	35	61	0.75	−2.3	6	6,286	e.	28	nw.	6	14	8	9	4.8	T.	0.0
Little Rock	357	136	153	29.59	29.98	−.05	52.1	−0.9	75	20	62	26	3	42	36	44	34	56	1.99	−2.6	7	6,734	nw.	32	nw.	11	12	7	12	4.8	T.	0.0
Austin	605	136	148	29.36	30.00	------	56.9	−3.8	87	6	67	31	3	46	34	50	44	68	2.09	−0.2	8	6,217	s.	31	n.	24	10	9	12	5.6	T.	0.0
Brownsville	57	83	100	29.91	29.97	------	64.5	−3.7	86	24	73	38	30	56	32	58	55	79	1.41	+0.2	9	7,794	se.	37	n.	1	7	6	18	6.8	0.0	0.0
Corpus Christi	20	11	78	29.98	30.00	+.02	61.2	−3.8	91	6	68	41	30	54	28	56	52	75	2.21	+0.6	10	7,995	e.	32	n.	27	6	4	21	7.3	0.0	0.0
Dallas	512	220	227	29.45	30.00	------	54.4	------	80	6	65	26	3	44	32	----	----	----	2.36	−0.5	8	9,153	se.	47	sw.	6	18	8	5	3.1	T.	0.0
Fort Worth	670	106	114	29.28	29.99	+.01	55.4	−2.3	80	6	67	30	3	44	34	46	35	53	2.86	+0.5	10	6,512	nw.	32	sw.	6	12	8	11	5.2	0.0	0.0
Galveston	54	106	114	29.98	30.04	+.03	58.4	−4.0	73	24	64	38	3	53	19	53	49	76	1.05	−1.6	8	7,661	se.	32	n.	1	7	8	16	6.4	0.0	0.0
Groesbeck	461	11	56	29.52	30.01	------	54.4	------	83	6	64	29	3	44	32	----	----	----	2.38	−0.3	12	7,990	s.	42	sw.	18	12	9	10	5.1	0.0	0.0
Houston	138	292	314	29.88	30.03	------	57.8	−5.5	76	6	65	34	3	50	27	----	----	----	1.58	−1.9	5	8,696	se.	31	ne.	27	9	7	15	6.3	T.	0.0
Palestine	510	64	72	29.48	30.02	+.02	54.6	−4.5	81	6	64	28	3	45	31	48	42	69	2.15	−1.3	9	5,584	s.	28	s.	18	14	8	9	4.8	T.	0.0
Port Arthur	34	58	66	29.99	30.03	------	57.8	------	72	17	65	34	3	51	26	----	----	----	1.78	−1.5	11	5,711	n.	31	n.	1	8	5	18	6.8	0.0	0.0
San Antonio	693	119	132	29.27	30.00	+.02	58.8	−4.0	91	6	69	33	3	49	32	50	43	62	1.76	−0.1	7	4,840	ne	26	ne.	24	9	6	16	6.0	0.0	0.0
Taylor	571	55	63	29.43	30.04	+.05	55.6	−4.1	86	6	66	29	3	45	31	----	----	----	2.61	+0.5	9	6,292	s.	26	n.	24	8	13	10	5.4	0.9	0.0

TABLE 1.—*Climatological data for weather bureau stations, March, 1930*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer	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.	%	°F.	In.	In.		Miles								0-10	In.	In.
Ohio Valley and Tennessee							**42.6**	**−1.6**										**66**	**2.82**	**−1.3**										**6.0**		
Chattanooga	762	190	215	29.13	29.95	−0.11	48.7	−2.5	73	21	58	20	3	39	31	41	32	57	6.00	+0.2	10	6,441	sw.	38	sw.	25	9	14	8	5.1	0.1	0.0
Knoxville	995	102	111	28.86	29.93	−.13	47.0	−1.7	70	21	58	19	3	37	33	40	33	64	4.41	−0.6	13	5,343	sw.	30	sw.	25	13	8	10	4.8	T.	0.0
Memphis	399	76	97	29.53	29.96	−.08	51.2	−1.1	72	15	59	26	3	43	24	44	37	63	3.12	−2.1	7	6,451	sw.	34	nw.	11	13	7	11	4.9	T.	0.0
Nashville	546	168	191	29.38	29.97	−.08	47.4	−1.8	71	17	57	21	3	37	31	40	33	63	5.14	0.0	8	7,267	w.	37	nw.	11	16	7	8	4.5	0.1	0.0
Lexington	989	193	230	28.85	29.94	−.11	40.8	−2.9	67	13	50	13	3	31	35	----	----	----	2.54	−1.8	12	11,213	sw.	40	w.	26	12	10	9	4.8	1.6	0.0
Louisville	525	188	234	29.34	29.93	−.12	43.4	−2.0	71	13	53	19	3	34	33	37	30	65	1.62	−2.8	7	9,133	sw.	38	sw.	26	11	12	8	4.8	0.4	0.0
Evansville	431	76	116	29.46	29.93	−.11	44.5	−1.4	72	13	54	21	2	35	32	38	32	65	1.97	−2.2	8	7,802	w.	35	w.	11	7	17	7	5.3	4.0	0.0
Indianapolis	822	194	230	28.98	29.89	−.15	39.1	−0.9	70	16	48	16	2	30	33	33	27	66	1.80	−2.1	8	9,640	w.	40	w.	26	13	7	11	5.2	3.0	0.0
Royal Center	736	11	55	29.06	29.87	----	35.7	----	72	16	45	11	2	27	32	----	----	----	1.60	−1.3	11	9,473	w.	34	w.	11	13	4	14	5.4	5.4	T.
Terre Haute	575	96	129	29.27	29.90	----	40.6	----	70	16	50	17	2	31	32	35	29	68	1.07	−2.7	9	7,978	w.	36	w.	26	9	10	12	5.5	4.5	0.0
Cincinnati	627	11	51	29.20	29.89	−.16	41.0	+0.1	72	17	51	15	3	31	35	35	28	66	1.91	−2.0	9	7,136	sw.	28	sw.	26	13	9	9	4.8	2.3	0.0
Columbus	822	179	222	28.98	29.87	−.17	38.6	−0.5	70	16	48	10	3	30	30	34	29	72	2.13	−1.4	13	8,451	w.	40	w.	12	12	4	15	5.8	4.1	0.0
Dayton	899	137	173	28.91	29.88	----	39.6	−0.9	70	16	48	14	3	31	31	34	29	71	1.97	−1.7	10	8,065	w.	30	w.	26	13	8	10	5.2	3.5	0.0
Elkins	1,947	59	67	27.79	29.90	−.15	36.6	−3.4	65	16	48	7	5	25	41	31	26	73	3.47	−0.3	15	5,182	w.	27	w.	2	10	7	14	5.9	11.2	0.0
Parkersburg	637	77	82	29.23	29.90	−.15	40.8	−2.0	71	16	51	13	3	31	38	34	28	67	3.55	+0.1	11	5,242	sw.	30	nw.	11	10	8	13	5.9	5.1	0.0
Pittsburgh	842	353	410	28.94	29.85	−.19	37.8	−1.8	68	16	47	12	3	29	34	33	27	70	2.82	−0.2	13	8,702	w.	48	w.	12	8	8	15	6.1	7.3	0.0
Lower Lake Region							**33.0**	**0.0**										**75**	**3.31**	**+0.6**										**6.8**		
Buffalo	767	247	280	28.95	29.79	−.23	30.0	−1.1	50	10	36	13	2	24	20	28	24	78	3.34	+0.8	17	13,041	w.	44	w.	27	5	8	18	7.0	10.3	T.
Canton	448	10	61	29.27	29.76	----	26.8	−0.9	50	11	35	−7	4	19	42	----	----	----	4.38	+1.9	15	7,626	w.	35	e.	26	8	7	16	6.7	16.1	T.
Ithaca	836	5	100	28.87	29.79	----	32.2	+0.4	66	17	41	12	4	24	35	28	24	77	3.92	+1.6	13	7,422	nw.	33	se.	25	5	4	22	7.5	12.8	0.0
Oswego	335	76	91	29.41	29.79	−.22	31.9	+0.7	58	17	38	10	4	26	25	29	24	75	3.53	+1.0	16	7,965	w.	29	nw.	19	6	8	17	7.2	9.2	0.0
Rochester	523	86	102	29.23	29.81	−.21	31.8	0.0	62	17	38	15	3	25	29	28	23	72	4.59	+1.8	21	7,044	w.	26	w.	19	8	5	18	6.4	17.8	T.
Syracuse	596	65	79	29.14	29.79	−.22	33.6	+2.2	59	17	40	13	4	27	25	----	----	----	4.18	+1.2	17	6,098	w.	24	w.	21	6	6	19	7.2	6.3	0.0
Erie	714	130	166	29.04	29.83	−.19	33.1	−0.4	65	17	40	14	3	26	32	30	26	75	3.06	+0.4	16	10,124	sw.	36	sw.	5	6	13	12	6.1	11.6	0.0
Cleveland	762	267	337	29.00	29.83	−.20	35.7	+1.1	69	17	43	13	3	28	35	31	26	70	2.68	0.0	14	11,198	w.	42	nw.	8	8	6	17	6.5	4.3	0.0
Sandusky	629	5	67	29.14	29.84	−.19	36.0	+0.9	71	16	44	14	3	28	37	----	----	----	3.71	+1.0	14	7,551	sw.	30	w.	12	10	10	11	5.7	7.5	0.0
Toledo	628	208	243	29.16	29.86	−.17	35.2	−0.1	71	16	43	13	3	28	38	30	25	71	2.76	+0.2	12	10,481	w.	37	nw.	12	13	5	13	5.0	4.4	0.0
Fort Wayne	856	113	124	28.92	29.86	----	35.6	−3.3	71	16	44	11	3	27	32	31	26	73	1.60	−1.6	9	7,456	w.	26	nw.	2	13	4	14	5.7	3.8	0.0
Detroit	730	218	258	29.03	29.84	−.19	34.4	+1.0	70	16	42	15	2	27	37	31	28	82	1.98	−0.4	14	8,143	w.	27	sw.	20	10	8	13	5.7	14.6	0.0
Upper Lake Region							**29.4**	**+1.0**										**76**	**1.43**	**−0.7**										**5.6**		
Alpena	609	13	92	29.14	29.83	−.20	26.6	+1.1	54	17	34	7	3	19	32	23	19	77	1.86	−0.1	15	8,731	nw.	34	nw.	20	5	12	14	6.2	17.3	1.0
Escanaba	612	54	60	29.18	29.87	−.17	24.9	+0.7	52	17	34	2	3	16	31	22	18	79	2.09	+0.2	10	7,827	nw.	39	n.	26	13	6	12	5.2	21.0	1.5
Grand Haven	632	54	89	29.15	29.85	−.18	32.2	+0.5	61	16	39	15	22	25	28	29	25	78	1.15	−1.2	10	9,621	nw.	36	w.	11	12	5	14	5.6	9.4	T.
Grand Rapids	707	70	87	29.08	29.87	−.16	33.6	+0.2	69	16	42	15	2	26	29	28	22	67	1.20	−1.3	9	5,521	nw.	25	sw.	31	12	6	13	5.2	14.3	T.
Houghton	668	64	99	29.12	29.87	−.17	24.3	+1.5	44	12	33	3	2	16	37	----	----	----	1.15	−0.8	8	8,127	w.	44	w.	20	9	6	16	6.6	11.9	1.0
Lansing	878	6	49	28.88	29.84	----	31.8	−0.4	69	16	40	13	22	23	37	28	26	85	1.47	−0.9	11	5,143	w.	26	nw.	12	12	8	11	5.3	16.0	T.
Ludington	637	60	66	29.14	29.85	----	30.6	+0.5	54	16	37	14	2	24	24	28	24	79	1.84	−0.4	11	8,198	nw.	29	nw.	11	12	8	11	5.2	18.7	1.3
Marquette	734	77	111	29.04	29.86	−.18	26.4	+1.6	55	17	34	4	2	19	30	23	19	79	1.76	−0.5	13	7,831	nw.	37	nw.	11	8	8	15	6.3	17.9	4.7
Port Huron	638	70	120	29.11	29.82	−.21	32.0	+1.6	65	17	40	14	2	24	32	28	24	75	1.19	−0.9	10	8,729	w.	32	nw.	12	6	19	6	5.5	10.4	0.0
Sault Sainte Marie	614	11	52	29.13	29.85	−.18	23.2	+1.6	43	31	31	0	2	16	32	20	18	83	0.93	−0.9	16	7,185	nw.	45	nw.	13	7	13	11	5.5	8.6	2.5
Chicago	673	7	131	29.14	29.89	−.14	36.1	+0.8	73	16	43	15	2	29	28	31	25	68	2.82	+0.2	9	9,124	nw.	35	ne.	25	10	8	13	5.6	21.6	1.0
Green Bay	617	109	141	29.18	29.86	−.18	30.4	+1.8	66	16	38	7	3	23	27	26	21	70	0.72	−1.3	10	8,688	nw.	32	ne.	24	7	8	16	6.5	6.7	0.3
Milwaukee	681	125	221	29.12	29.87	−.16	33.8	+1.7	71	16	41	12	2	26	31	30	25	74	1.55	−0.9	11	10,550	w.	42	n.	25	14	7	10	5.2	12.2	T.
Duluth	1,133	5	47	28.65	29.92	−.14	25.0	+1.3	50	12	34	−10	2	16	33	21	14	68	0.30	−1.2	4	9,375	nw.	37	w.	12	15	7	9	4.6	3.0	0.0
North Dakota							**26.4**	**+4.0**										**77**	**0.10**	**−0.7**										**4.7**		
Moorhead	940	50	58	28.93	29.98	−.10	27.0	+4.3	60	19	35	−1	2	19	49	24	20	78	0.27	−0.7	6	7,316	n.	31	nw.	12	10	10	11	5.6	3.1	T.
Bismarck	1,674	8	57	28.17	30.02	−.04	28.0	+3.8	55	19	37	−3	2	18	49	24	20	74	T.	−0.9	0	7,126	nw.	34	nw.	12	12	12	7	4.5	T.	0.0
Devils Lake	1,478	11	44	28.36	29.98	−.07	23.4	+3.6	51	22	32	−7	2	14	44	21	18	83	0.13	−0.6	6	7,655	nw.	40	nw.	12	13	12	6	4.3	2.1	T.
Ellendale	1,457	10	56	28.38	29.98	----	29.4	----	60	19	39	−2	2	20	45	----	----	----	0.03	−0.8	2	11,184	nw.	41	nw.	19	7	14	10	5.7	0.7	T.
Grand Forks	833	12	67	----	----	----	24.0	----	54	19	32	−3	20	16	49	22	----	----	0.43	----	6	----	nw.	42	sw.	12	20	10	1	----	3.3	T.
Williston	1,878	41	48	27.99	30.04	.00	27.0	+4.1	54	22	38	−6	1	16	39	23	18	72	0.06	−0.6	1	5,635	w.	30	nw.	12	18	8	5	3.3	0.6	0.0
Upper Mississippi Valley							**37.6**	**+1.5**										**65**	**1.12**	**−1.2**										**4.8**		
Minneapolis	918	102	208	28.90	29.91	----	31.6	+2.0	71	16	40	−2	2	23	34	----	----	----	0.48	−0.9	5	9,367	nw.	34	nw.	11	13	6	12	5.5	1.8	0.0
St. Paul	837	236	261	29.00	29.93	−.12	31.9	+2.8	71	16	41	−2	2	23	34	----	----	----	0.59	−0.8	7	9,409	nw.	35	nw.	11	11	10	10	5.5	4.0	0.0
La Crosse	714	11	48	29.11	29.90	−.14	34.0	+2.5	75	16	43	3	2	25	34	28	22	65	1.25	−0.4	8	4,064	nw.	18	nw.	11	9	10	12	5.7	8.1	8.0
Madison	974	70	78	28.82	29.90	−.14	32.9	+2.3	70	16	41	6	2	24	31	28	22	69	1.29	−0.8	7	7,529	nw.	34	ne.	25	13	8	10	4.9	5.9	T.
Wausau	1,247	4	64	28.51	29.88	----	29.3	----	68	16	38	4	3	20	32	----	----	----	0.90	−0.8	5	5,319	n.	21	n.	25	12	7	12	5.6	8.6	T.
Charles City	1,015	10	51	28.84	29.95	−.10	33.8	+3.1	74	16	43	3	2	24	34	28	22	67	0.90	−0.9	7	6,042	nw.	25	w.	16	15	10	6	4.1	T.	T.
Davenport	606	71	79	29.24	29.92	−.11	38.4	+2.3	72	16	48	8	2	29	34	32	24	61	1.02	−1.3	4	9,532	nw.	38	nw.	26	12	10	9	4.9	0.5	0.0
Des Moines	861	5	99	29.02	29.95	−.09	38.1	+2.2	77	16	49	7	2	28	43	32	23	60	1.12	−0.7	4	9,073	nw.	37	nw.	11	12	10	9	5.1	0.7	0.0
Dubuque	700	81	96	29.14	29.91	−.13	35.6	+1.6	74	16	45	6	2	26	35	30	25	69	1.23	−0.8	8	6,072	nw.	26	n.	25	13	9	9	5.1	5.4	T.
Keokuk	614	64	78	29.26	29.95	−.08	40.0	+1.1	73	16	50	11	2	30	37	32	23	55	0.67	−1.7	4	7,237	w.	30	nw.	11	13	6	12	5.1	0.2	0.0
Cairo	358	87	93	29.56	29.94	−.10	46.8	−0.4	71	15	56	22	2	38	29	40	34	67	2.54	−1.2	7	7,284	s.	29	nw.	11	10	9	12	5.2	0.3	0.0
Peoria	609	11	45	29.39	29.92	−.11	38.7	+1.7	72	16	49	12	2	28	33	32	26	67	1.55	−1.2	5	6,580	w.	26	w.	1	18	8	5	3.7	5.6	0.0
Springfield, Ill	636	154	191	29.23	29.92	−.11	39.2	−1.0	70	16	49	12	2	30	34	34	29	72	1.17	−2.0	7	10,808	w.	42	nw.	11	9	13	9	4.9	5.1	T.
Hannibal	534	74	109	29.35	29.94	−.08	41.1	+0.1	71	16	51	14	2	31	40	----	----	----	0.94	−1.7	5	7,983	nw.	29	nw.	11	12	13	6	4.3	1.0	0.0
St. Louis	568	265	303	29.31	29.93	−.10	44.4	+0.6	70	20	54	18	2	35	33	37	28	58	0.99	−2.4	5	9,967	nw.	46	w.	26	15	9	7	3.9	1.5	0.0
Missouri Valley							**38.9**	**+1.4**										**60**	**0.61**	**−1.2**										**4.1**		
Columbia, Mo	784	6	84	29.10	29.95	−.08	42.8	+0.2	72	16	53	13	2	32	42	----	----	----	1.03	−1.9	6	7,478	nw.	35	nw.	11	14	8	9	4.7	3.7	0.0
Kansas City	963	161	181	28.92	29.97	−.05	43.6	+0.9	75	12	54	12	2	33	36	35	25	54	0.67	−1.9	4	9,741	nw.	40	nw.	11	19	7	5	3.3	T.	0.0
St. Joseph	967	11	49	28.90	29.96	----	42.6	----	76	12	54	11	2	31	43	33	23	53	0.83	−1.2	3	8,029	nw.	33	nw.	11	21	7	3	2.7	0.1	0.0
Springfield, Mo	1,324	98	104	28.55	29.98	−.04	44.3	−0.9	68	20	54	14	2	34	34	36	27	58	0.77	−2.6	5	8,502	nw.	38	nw.	11	21	5	5	3.0	0.5	0.0
Iola	984	11	50	28.92	29.99	−.02	44.4	−0.1	76	12	58	12	2	31	45	----	----	----	0.16	−2.5	3	5,720	nw.	22	n.	25	18	7	6	3.9	T.	0.0
Topeka	987	92	107	----	----	----	43.2	+0.6	77	12	55	12	2	32	41	----	----	----	0.55	−1.6	2	8,501	nw.	35	nw.	11	17	8	6	3.7	T.	0.0
Lincoln	1,189	11	81	28.69	29.98	−.04	39.7	+2.2	78	16	51	8	2	28	41	32	23	58	0.58	−0.7	5	8,749	nw.	34	nw.	10	15	9	7	3.9	T.	0.0
Omaha	1,105	115	122	28.78	29.99	−.05	39.4	+2.4	79	16	50	6	2	29	41	32	21	53	0.65	−0.7	4	7,656	nw.	33	nw.	11	17	9	5	3.4	0.7	0.0
Valentine	2,598	47	54	27.25	30.04	+.01	32.8	+0.5	71	15	44	0	3	21	41	27	22	70	1.04	0.0	11	6,183	n.	30	nw.	6	13	7	11	5.0	10.2	2.0
Sioux City	1,135	94	164	28.75	30.00	−.05	36.4	+3.7	74	16	47	3	2	26	40	29	21	60	0.12	−1.0	4	10,343	nw.	42	nw.	10	10	10	11	5.2	0.5	0.1
Huron	1,306	59	74	28.58	30.01	−.05	32.0	+3.1	68	15	42	−3	2	22	40	27	22	71	0.69	−0.2	7	7,350	nw.	28	w.	2	13	10	8	4.7	3.7	0.0
Pierre	1,572	70	75	28.32	30.04	−.01	33.0	+1.5	68	19	42	4	2	24	43	28	20	65	0.49	−0.4	4	6,688	nw.	31	n.	19	14	9	8	4.5	1.9	0.0
Yankton	1,233	49	57	28.65	30.00	−.05	35.5	+2.3	72	15	46	2	2	25	38	----	----	----	0.41	−0.9	6	6,995	nw.	24	nw.	1	11	12	8	5.0	2.6	T.

TABLE 1.—*Climatological data for weather bureau stations, March, 1930*—Continued

District and station	Elevation of instruments: Barometer above sea level	Elevation of instruments: Thermometer above ground	Elevation of instruments: Anemometer	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.	%	° F.	In.	In.		Miles								0–10	In.	In.
Northern Slope							31.4	+0.1										66	0.76	−0.2										5.6		
Billings	3,140	5					33.6		64	19	47	−16	2	20	42				0.53		8		nw.				8	6	17		3.7	
Havre	2,505	11	44	27.35	30.06	+0.06	29.6	+2.5	62	11	41	−8	20	18	45	25	20	71	0.58	+0.1	9	5,093	sw.	32	sw.	11	6	13	12	6.0	7.3	0.0
Helena	4,124	89	113	25.77	30.08	+.07	30.4	−2.0	59	11	40	−12	2	20	42	26	20	66	1.06	+0.3	15	5,207	sw.	21	sw.	21	3	12	16	7.1	16.5	0.0
Kalispell	2,973	48	56	26.91	30.03	+.04	34.0	+1.1	57	11	42	−2	2	26	29	29	22	65	0.35	−0.6	7	4,305	nw.	26	w.	19	8	13	10	5.7	1.8	0.0
Miles City	2,871	48	55	27.47	30.08	+.06	33.4	+4.8	63	19	45	−1	2	22	57	27	19	60	0.29	−0.6	4	4,639	n.	29	nw.	23	10	13	8	4.8	1.9	0.0
Rapid City	3,259	50	58	26.56	30.07	+.06	32.7	+0.1	63	19	43	−3	2	22	43	27	20	63	0.97	0.0	11	6,021	n.	30	n.	6	12	8	11	5.1	3.9	0.0
Cheyenne	6,088	84	101	23.90	30.02	+.06	29.6	−3.5	58	16	40	−8	2	19	43	25	19	65	0.88	−0.1	9	9,688	w.	49	w.	19	10	10	11	5.4	9.7	1.8
Lander	5,372	60	68	24.56	30.02	+.03	30.8	−1.6	59	11	43	−9	3	19	42	27	23	76	1.30	+0.1	9	3,491	sw.	37	nw.	23	16	9	6	4.2	11.2	2.0
Sheridan	3,790	10	47	26.06	30.05		31.4		63	19	43	−9	2	20	48	27	20	65	0.73	−0.4	9	3,615	nw.	29	nw.	23	8	10	13	5.7	6.5	0.0
Yellowstone Park	6,241	11	48	23.80	30.07	+.05	25.8	−0.7	47	15	36	−13	2	16	43	22	17	68	1.10	−0.6	14	5,612	sw.	27	sw.	19	3	13	15	7.2	18.3	T.
North Platte	2,821	11	51	27.02	30.01	+.01	36.5	−0.1	73	15	50	6	2	23	44	28	19	59	0.29	−0.6	1	6,169	n	28	n.	6	14	9	8	4.3	3.0	0.0
Middle Slope							41.7	−1.6										53	0.30	−1.3										4.3		
Denver	5,292	106	113	24.65	29.99	+.04	37.2	−2.1	69	15	49	7	2	26	39	29	17	52	0.44	−0.6	10	5,413	s.	35	w.	23	9	13	9	5.4	8.3	1.0
Pueblo	4,685	80	86	25.19	29.93	+.01	38.4	−3.2	72	16	53	10	3	24	47	30	18	51	0.56	0.0	5	4,459	nw.	32	w.	5	11	12	8	4.9	5.3	0.0
Concordia	1,392	50	58	28.52	30.02	+.01	40.4	−0.6	75	12	53	10	2	28	44	32	22	54	0.24	−1.0	4	7,186	nw.	29	nw.	1	14	13	4	4.2	0.8	0.0
Dodge City	2,509	11	51	27.38	30.03	+.06	41.2	−1.6	77	12	56	7	3	26	52	32	21	53	0.07	−0.8	2	6,845	nw.	29	nw.	7	20	9	2	2.7	T.	0.0
Wichita	1,358	139	158	28.52	29.98	−.01	44.0	−1.1	76	12	56	16	2	33	38	36	24	53	0.22	−1.5	2	9,179	n.	40	s.	31	16	7	8	4.2	T.	0.0
Broken Arrow	765	11	56	29.15	29.99		47.5		73	6	58	20	2	36	33				0.35	−3.5	3	10,248	nw.	37	sw.	31	12	13	6	4.5	T.	0.0
Oklahoma City	1,214	10	47	28.69	29.99	+.01	48.8	−1.2	75	6	61	21	3	37	36	39	29	53	0.25	−1.7	3	7,743	s.	31	n.	7	16	9	6	4.0	T.	0.0
Southern Slope							51.5	−3.0										50	1.17	+0.3										4.5		
Abilene	1,738	10	52	28.17	30.00	+.04	54.2	−2.3	83	17	67	23	3	41	44	42	28	47	0.97	−0.3	5	7,181	s.	31	w.	6	11	7	13	5.2	1.7	0.0
Amarillo	3,676	10	49	26.22	29.98	+.03	44.7	−2.2	73	22	57	17	2	32	46	35	24	55	1.27	+0.6	4	5,863	n.	25	w.	6	14	10	7	4.0	3.0	0.0
Del Rio	944	64	71	28.98	29.97	+.02	59.7	−3.8	89	6	70	34	4	49	37	49	39	54	1.48	+0.8	5	6,567	se.	33	nw.	6	11	10	10	5.2	0.0	0.0
Roswell	3,566	75	85	26.31	29.94	+.04	47.4	−3.9	80	31	63	18	2	32	52	36	21	42	0.96	+0.2	4	6,038	s.	36	nw.	6	19	6	6	3.5	0.9	0.0
Southern Plateau							50.4	−0.4										45	0.78	+0.3										3.4		
El Paso	3,778	152	175	26.13	29.92	+.04	53.3	−2.5	78	31	65	29	2	41	38	39	21	33	0.03	−0.3	2	7,417	nw.	38	nw.	6	19	9	3	3.2	0.0	0.0
Santa Fe	7,013	38	53	23.14	29.92	+.03	37.2	−2.5	61	22	48	11	1	26	32	29	18	50	0.68	−0.1	7	4,319	n.	21	nw.	23	14	9	8	4.4	2.2	0.0
Flagstaff	6,907	10	59	23.26	29.89	−.02	35.4	−0.5	64	25	48	−6	1	23	41	29		63	2.41		5	5,625	nw.	33	sw.	15	11	14	6		15.0	T.
Phoenix	1,108	10	107	28.74	29.90	−.01	60.6	−0.1	85	26	74	37	1	47	36	47	32	42	1.77	+1.1	5	3,715	e.	25	sw.	15	19	4	8	3.4	0.0	0.0
Yuma	141	9	54	29.76	29.92	−.02	64.2	+0.1	92	25	78	42	1	50	38	50	33	39	0.91	+0.6	2	4,153	n.	29	se.	15	22	5	4	2.4	0.0	0.0
Independence	3,957	6	27	25.92	29.96	+.02	51.4	+2.9	82	25	65	22	1	38	36				0.53	0.0	4		nw.				18	7	6		1.0	0.0
Middle Plateau							42.2	+1.3										54	0.54	−0.6										4.1		
Reno	4,532	74	81	25.44	29.99	+.01	44.1	+3.1	73	25	57	17	1	31	40	36	26	55	0.55	−0.3	7	3,929	w.	30	w.	29	18	8	5	3.4	2.1	0.0
Tonopah	6,090	12	20				41.2		66	29	51	17	1	31	28	33	24	55	0.68		3		nw.									
Winnemucca	4,344	18	56	25.60	30.02	+.01	41.7	+1.7	72	29	55	17	1	28	43	34	25	59	0.68	−0.3	5	4,679	ne.	29	nw.	30	16	13	2	3.2	2.5	0.0
Modena	5,473	10	43	24.54	29.91	−.05	39.4	+1.2	68	25	53	6	1	26	41	33	24	58	0.39	−0.6	6	7,078	w.	35	s.	30	12	9	10	4.5	T.	0.0
Salt Lake City	4,360	163	203	25.57	29.97	−.01	42.8	+1.1	63	21	51	24	1	35	27	36	27	54	0.74	−1.2	10	4,943	nw.	33	w.	5	11	13	7	4.9	4.0	0.0
Grand Junction	4,602	60	68	25.32	29.91	−.03	42.8	−0.8	66	15	54	18	1	32	31	34	21	46	0.36	−0.4	5	4,261	se.	26	nw.	23	13	9	9	4.5	0.4	0.0
Northern Plateau							43.3	+1.8										58	0.94	−0.4										5.7		
Baker	3,471	48	53	26.45	30.07	+.04	40.0	+2.4	65	28	50	18	1	30	34	35	27	61	0.17	−0.9	7	4,277	se	23	sw	21	8	12	11	6.0	0.2	0.0
Boise	2,739	78	86	27.16	30.05	+.02	44.3	+1.6	70	29	54	24	2	34	32	37	28	59	1.59	+0.2	4	3,688	se.	22	se.	30	9	7	15	6.3	5.7	0.0
Lewiston	757	40	48	29.25	30.07	+.04	47.0	+1.6	74	28	57	30	2	37	36				1.41	+0.3	8	2,741	e.	23	nw.	12	10	11	10	5.7	0.0	0.0
Pocatello	4,477	60	68	25.43	30.00	−.01	38.8	+1.4	61	29	48	8	2	30	31	33	25	59	0.53	−0.8	10	6,177	sw.	34	s.	29	8	14	9	5.2	0.7	0.0
Spokane	1,929	101	110	27.98	30.06	+.05	42.1	+2.4	70	28	52	20	2	32	33	36	27	57	0.71	−0.5	5	4,287	s.	27	sw.	22	10	11	10	5.4	T.	0.0
Walla Walla	991	57	65	28.98	30.06	+.04	47.6	+1.5	73	28	56	26	2	39	28	41	31	55	1.24	−0.4	8	3,700	s.	27	w.	22	11	7	13	5.7	T.	0.0
North Pacific Coast Region							47.5	+2.5										69	2.10	−1.4										5.9		
North Head	211	11	56	29.88	30.11	+.10	46.6	+1.4	66	28	51	34	14	42	18	43	40	79	3.78	−1.8	12	10,848	n.	50	s.	21	12	4	15	5.8	0.0	0.0
Port Angeles	29	8	53		30.11		43.8		66	28	51	28	15	36	23				1.96	−0.2	12	3,883	sw.	35	nw.	19	5	9	17		0.2	0.0
Seattle	125	215	250	29.95	30.08	+.09	46.8	+1.9	68	28	53	34	13	40	24	42	36	69	1.86	−1.2	12	5,759	n.	38	sw.	21	8	9	14	6.4	T.	0.0
Tacoma	194	172	201	29.88	30.10	+.10	46.8	+2.6	68	28	54	33	1	40	26				2.47	−1.0	9	6,078	n.	34	sw.	19	8	9	14	6.0	0.0	0.0
Tatoosh Island	86	9	53	29.98	30.07	+.11	45.2	+2.3	61	30	49	33	13	41	17	43	40	84	4.99	−2.9	15	11,010	e.	48	e.	2	10	4	17	6.4	0.3	0.0
Yakima	1,076	58	67	28.90	30.06		47.7	+3.6	80	28	59	28	2	36	39	39	27	49	0.20	−0.2	6	4,159	nw.	32	w.	21	14	10	7	4.7	0.0	0.0
Medford	1,329	29	58	28.51	30.02		49.4		86	28	64	25	1	35	46	44	40	73	0.49	−1.2	4		se.	36	se.	3	11	7	13	5.5	T.	0.0
Portland, Oreg.	153	68	106	29.93	30.09	+.07	50.3	+3.4	83	28	59	33	1	42	32	44	36	64	2.21	−1.7	8	4,449	nw.	23	e.	2	9	6	16	6.2	0.0	0.0
Roseburg	510	75	99	29.52	30.07	+.03	49.2	+2.1	82	28	61	26	1	38	38	44	37	67	0.90	−2.4	6	2,424	n.	22	n.	30	8	11	12	5.9	0.0	0.0
Middle Pacific Coast Region							55.4	+2.6										71	2.99	−0.4										4.0		
Eureka	62	73	89	29.99	30.06	.00	50.5	+2.2	78	27	57	34	1	44	26	47	44	80	1.23	−4.0	7	4,119	n.	32	s.	3	11	6	14	5.3	0.0	0.0
Red Bluff	330	5	58	29.62	29.98	−.06	57.4	+3.8	88	25	70	32	1	45	39	49	40	58	4.38	+1.1	7	4,565	nw.	24	se.	3	18	6	7	3.7	0.0	0.0
Sacramento	69	106	117	29.90	29.97	−.06	56.3	+2.0	81	26	66	37	1	46	34	51	46	72	2.86	+0.3	7	5,272	se.	24	se.	3	22	6	3	2.5	0.0	0.0
San Francisco	155	208	243	29.81	29.98	−.08	57.4	+3.2	82	26	64	44	15	51	25	51	47	73	3.53	+0.4	6	4,891	w.	26	se.	4	13	13	5	3.9	0.0	0.0
San Jose	141	12	110	29.84	29.99		55.6	+1.9	84	25	67	33	1	44	38				2.93	+0.3	6	4,072	nw.	29	s.	4	11	14	6	4.5	0.0	0.0
South Pacific Coast Region							59.2	+2.8										67	2.80	+0.8										4.3		
Fresno	327	89	98	29.63	29.99	−.02	57.2	+2.2	83	28	68	36	1	46	29	50	44	66	1.38	−0.2	5	3,709	nw.	19	se.	3	21	9	1	2.6	0.0	0.0
Los Angeles	338	159	191	29.61	29.98	−.04	60.8	+3.3	89	24	69	41	15	53	29	52	44	63	3.99	+1.2	7	3,853	ne.	24	se.	14	13	10	8	4.7	0.0	0.0
San Diego	87	62	70	29.87	29.97	−.05	59.6	+2.9	82	24	67	43	15	52	26	53	49	72	3.02	+1.3	10	4,235	w.	32	s.	14	11	8	12	5.5	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.90	29.99		75.8	+0.4	88	25	82	65	3	70	19				1.75	−1.4	9	7,530	e.	37	e.	28	10	18	3	4.5	0.0	0.0
Panama Canal																																
Balboa Heights	118	7	97	[1]29.75	[2]29.83	−.01	82.0	+0.8	93	30	91	70	19	73	23			[2]73	0.01	−0.7	1	7,075	nw.	24	n.	1	3	23	5	6.2	0.0	0.0
Cristobal	38	7	97	[1]29.82	[2]29.85	−.03	82.0	+0.5	88	10	86	73	19	78	12	75	73	[2]76	1.07	−0.4	13	9,450	n.	25	n.	13	8	16	7	5.3	0.0	0.0
Alaska																																
Fairbanks	455	11	44	[1]29.35	[1]29.91		6.6		47	27	19	−44	18	−6	54	5	1	75	0.73		15		se.				4	8	19	7.4	11.8	10.0
Juneau	80	11	50	[1]29.89	[1]29.98		32.0		48	27	37	2	18	27	20	30	27	79	10.12		24	5,367	e.	27	nw.	17	1	7	23	8.7	16.7	0.0
Hawaiian Islands																																
Honolulu	38	86	100	[1]29.98	[1]30.02		71.2	−0.2	80	19	76	57	12	67	16	65	61	71	2.08	−1.1	15	7,430	e.	32	e.	2	12	7	12	5.0	0.0	0.0

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

[2] Observations taken bi-hourly.

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

Stations	Altitude above mean sea level Jan. 1, 1919	Pressure			Temperature of the air						Precipitation		
		Station reduced to mean of 24 hours	Sea level reduced to mean of 24 hours	Departure from normal	Mean max. + mean min. ÷ 2	Departure from normal	Mean maximum	Mean minimum	Highest	Lowest	Total	Departure from normal	Total snowfall
	Feet	*Inches*	*Inches*	*Inches*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	°*F.*	*Inches*	*Inches*	*Inches*
Cape Race, N. F	99				29.3		35.5	23.1	40	0	2.75		10.8
Sydney, C. B. I	48	29.64	29.69	−0.19	30.9	+4.7	38.5	23.4	48	10	3.89	−1.04	3.5
Halifax, N. S	88	29.58	29.69	−.25	32.2	+3.2	39.9	24.5	50	9	5.06	−0.40	3.1
Yarmouth, N. S	65	29.57	29.64	−.31	33.5	+2.7	39.5	27.4	55	10	4.34	−0.66	0.2
Charlottetown, P. E. I	38	29.54	29.58	−.32	29.2	+3.8	35.6	22.8	47	6	2.42	−0.79	7.8
Chatham, N. B	28	29.50	29.53	−.37	25.5	+2.5	33.7	17.3	49	−9	3.12	−0.35	7.4
Father Point, Que	20	29.62	29.64	−.26	24.0	+3.7	29.9	18.1	44	2	5.33	+2.60	52.8
Quebec, Que	296	29.38	29.71	−.25	23.2	+2.0	29.5	16.8	40	−4	3.58	+0.32	32.4
Doucet, Que	1,236				10.0		24.3	−4.4	44	−34	2.90		29.0
Montreal, Que	187	29.52	29.74	−.26	26.3	+2.5	32.6	20.0	43	1	2.54	−1.25	12.3
Ottawa, Ont	236	29.50	29.77	−.24	27.6	+6.1	35.2	20.0	47	2	1.85	−0.87	9.1
Kingston, Ont	285	29.46	29.78	−.23	29.2	+3.6	35.4	23.0	47	7	2.93	+0.29	4.3
Toronto, Ont	379	29.38	29.81	−.21	31.1	+3.8	37.3	24.8	51	15	3.20	+0.56	10.5
Cochrane, Ont	930				15.3		25.3	5.4	43	−15	3.03		27.9
White River, Ont	1,244	28.46	29.82	−.21	13.8	+1.6	27.9	−0.2	41	−33	2.16	+0.78	19.6
London, Ont	808				31.0		39.0	23.1	64	13	3.28		23.0
Southampton, Ont	656	29.06	29.79	−.24	27.1	+2.4	34.2	20.1	54	9	1.82	−0.83	14.2
Parry Sound, Ont	688	29.07	29.79	−.23	24.0	+2.9	31.1	16.9	45	5	1.81	−0.42	11.0
Port Arthur, Ont	644	29.17	29.90	−.15	22.7	+5.9	30.7	14.7	43	−6	0.98	+0.01	8.3
Winnipeg, Man	760												
Minnedosa, Man	1,690	28.11	30.00	−.06	18.0	+5.5	28.5	7.4	38	−17	1.63	+0.98	16.3
Le Pas, Man	860				14.5		27.8	1.3	43	−27	0.68		6.8
Qu'Appelle, Sask	2,115	27.68	30.01	−.03	19.3	+4.4	28.5	10.1	42	−20	0.63	−0.14	6.3
Moose Jaw, Sask	1,759				25.0		35.7	14.3	52	−10	0.48		4.2
Swift Current, Sask	2,392	27.38	29.97	−.05	28.1	+6.1	39.2	17.0	59	−8	0.19	−0.62	1.9
Medicine Hat, Alb	2,144												
Calgary, Alb	3,428												
Banff, Alb	4,521												
Prince Albert, Sask	1,450	28.43	30.07	−.01	18.4	+6.4	31.1	5.7	50	−21	1.26	+0.49	11.4
Battleford, Sask	1,592	28.23	30.03	−.03	25.2	+12.1	37.2	13.2	53	−12	0.32	−0.14	2.2
Edmonton, Alb	2,150												
Kamloops, B. C	1,262												
Victoria, B. C	230	29.83	30.09	+.12	45.4	+3.5	51.2	39.7	66	32	2.25	−0.87	0.1
Barkerville, B. C	4,180												
Estevan Point, B. C	20												
Prince Rupert, B. C	170												
Hamilton, Ber	151												

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Cape Race, N. F	99				23.9		32.3	15.4	42	3	4.34		7.3
Chatham, N. B	28	29.84	29.88	−0.08	13.4	+0.9	26.0	0.8	44	−26	2.28	−0.88	8.8
Winnipeg, Man	760	29.07	29.94	−.16	12.1	+13.7	18.9	5.4	43	−29	1.53	+0.55	14.1
Medicine Hat, Alb	2,144	27.49	29.78	−.27	32.1	+20.9	41.9	22.3	60	−12	0.10	−0.57	1.0
Calgary, Alb	3,428	26.20	29.84	−.15	28.5	+15.0	38.5	18.6	62	−12	0.33	−0.30	3.3
Banff, Alb	4,521	25.19	29.88	−.10	24.5	+5.3	32.6	16.4	46	−17	1.13	+0.21	6.0
Edmonton, Alb	2,150	27.45	29.79	−.23	21.9	+13.6	31.6	12.3	50	−24	0.14	−0.53	1.4
Kamloops, B. C	1,262	28.62	29.94	−.02	33.9	+5.6	41.0	26.8	55	6	0.76	−0.03	2.5
Estevan Point, B. C	20				39.5		45.2	33.8	48	27	15.98		4.6
Prince Rupert, B. C	170				37.6		42.0	33.2	49	25	9.30		12.7