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, 1929

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	46.0	−2.3	5 stations	78	[2] 8	St. Bernard	12	1	9.13	+3.83	River Falls	16.75	Florence	4.44
Arizona	44.0	−4.2	Yuma Citrus Station.	87	23	Flagstaff	−21	9	0.80	−0.38	Waters Ranger Station.	2.95	5 stations	0.00
Arkansas	35.4	−7.4	Portland	76	25	Lead Hill	−20	10	4.01	+0.66	Waldron	6.29	Amity	1.97
California	44.0	−3.2	Imperial	88	23	South Lake	−18	8	2.24	−2.20	Squirrel Inn	10.16	4 stations	0.00
Colorado	19.6	−8.4	Canon City	74	22	3 stations	−40	[2] 9	0.96	−0.02	Cumbres	4.35	Blanca	T.
Florida	63.7	+3.5	2 stations	92	[2] 26	3 stations	26	12	2.14	−1.00	Cottage Hill	10.43	Fort Myers	0.08
Georgia	48.9	+0.9	Waycross	86	27	Blue Ridge	12	1	8.63	+3.63	Butler	14.80	Bainbridge	2.07
Idaho	19.7	−9.6	2 stations	57	[2] 16	Felt	−44	7	0.90	−0.83	Musselshell	3.47	Twin Falls Factory	T.
Illinois	23.4	−5.1	Anna	61	26	Mount Carroll	−30	20	1.27	−0.68	Grand Chain	4.61	Waukegan	0.27
Indiana	25.1	−4.5	Mount Vernon	64	26	3 stations	−18	20	1.88	−0.66	Bedford	2.86	Fowler	0.33
Iowa	14.0	−8.6	Keokuk	52	23	Decorah	−35	20	1.31	+0.10	Iowa Falls	3.03	Chariton	0.34
Kansas	25.0	−7.5	Elkhart	69	23	Oberlin	−20	[2] 8	0.83	−0.33	Salina	2.31	Richfield	0.04
Kentucky	31.2	−5.4	2 stations	68	26	Farmers	−14	23	3.58	+0.13	Marion	6.30	Scott	1.55
Louisiana	49.7	−3.5	Angola	87	25	Tallulah	17	12	6.46	+1.97	Franklinton	10.58	Shreveport	2.54
Maryland-Delaware	33.0	0.0	Salisbury, Md	72	26	Oakland, Md	1	[2] 20	3.69	+0.65	Public Landing, Md.	6.81	Friendsville, Md	1.99
Michigan	16.1	−3.2	Monroe	54	26	Atlanta	−44	20	0.94	−0.75	Sack Bay	2.20	Edmore	0.18
Minnesota	5.6	−6.3	Leech Lake Dam	44	26	Taylors Falls	−43	19	0.52	−0.18	New Ulm	1.45	Redby	T.
Mississippi	45.1	−4.0	Monticello	82	25	Pontotoc	14	11	6.16	+1.41	Merrill	14.75	Austin	2.17
Missouri	25.0	−7.4	Caruthersville	64	26	3 stations	−23	10	1.92	−0.19	Campbell	5.90	Valley Park	0.32
Montana	12.6	−8.3	Livingston	53	2	Conways Ranch	−46	7	0.64	−0.12	Hebgen Dam	3.19	Conrad	0.00
Nebraska	17.7	−7.4	Franklin	59	23	Gordon	−31	19	1.01	+0.29	Falls City	2.34	Mitchell (near)	0.19
Nevada	30.0	−4.9	2 stations	72	[2] 22	Owyhee	−23	8	0.57	−0.35	Tuscarora	1.53	2 stations	T.
New England	23.3	+0.8	Plymouth, Mass	60	7	Van Buren, Me	−34	14	3.29	+0.05	Nantucket, Mass	5.76	Ripogenus Dam, Me.	0.93
New Jersey	31.6	+2.2	Indian Mills	63	19	Layton	−9	24	4.06	+0.42	Chatham	5.92	Newton	2.76
New Mexico	31.4	−6.4	Carlsbad	75	18	Dulce	−33	9	0.74	+0.03	Winsors Ranch	2.74	Pearl	T.
New York	23.0	+1.1	3 stations	59	[2] 9	Stillwater	−28	20	2.48	−0.30	Roslyn	5.19	Lauterbrunnen	0.65
North Carolina	41.1	−1.0	3 stations	76	[2] 27	Mount Mitchell	4	12	6.38	+2.22	Tryon	9.78	Hot Springs	2.84
North Dakota	2.9	−5.0	Carson	44	25	3 stations	−44	19	0.29	−0.20	3 stations	0.80	4 stations	T.
Ohio	25.1	−4.3	4 stations	61	26	Norwalk	−25	20	2.37	−0.02	Wilmington	4.64	2 stations	0.76
Oklahoma	31.4	−9.7	Hollis	73	24	Kingfisher	−20	10	1.49	+0.08	Smithville	5.36	Supply	0.19
Oregon	30.0	−7.0	Grants Pass	68	28	Meacham	−39	7	1.02	−2.70	Government Camp	4.85	Milton	0.00
Pennsylvania	28.0	+0.3	Claysville	69	27	Brookville	−20	20	2.87	+0.21	Mount Pocono	5.17	Erie	1.36
South Carolina	45.2	−2.1	2 stations	82	26	Hogback Mountain	12	1	7.85	+3.44	Calhoun Falls	11.42	Conway	4.07
South Dakota	10.2	−7.8	Hot Springs	52	25	Pollock	−50	19	0.66	+0.05	Harveys Ranch	2.20	Cottonwood	0.04
Tennessee	36.6	−4.2	2 stations	72	[2] 25	Lebanon	0	23	4.99	+0.64	Copperhill	8.00	Bristol	2.92
Texas	44.0	−6.5	Riogrande	93	24	Romero	−16	9	1.30	−0.56	Wiergate	6.07	10 stations	0.00
Utah	23.4	−7.6	St. George	70	6	Loa	−37	8	1.36	+0.25	Silver Lake	5.06	Wendover	0.01
Virginia	35.5	−1.7	2 stations	73	26	Hot Springs	0	3	4.05	+0.97	Clarksville	7.41	Deerfield	1.27
Washington	25.1	−9.4	Centralia	60	24	2 stations	−27	[2] 7	1.40	−2.63	Cedar Lake	6.96	9 stations	0.00
West Virginia	30.0	−2.3	Wardensville	70	27	Ryan	−15	23	2.98	−0.03	Bayard	5.24	Wellsburg	1.47
Wisconsin	10.1	−5.6	High Falls	53	27	2 stations	−48	[2] 19	1.18	+0.05	Shawano	2.24	Prairie du Sac	0.29
Wyoming	12.7	−9.1	Chugwater	52	2	Border	−60	8	0.83	+0.04	Snake River	3.24	Dubois	T.
Alaska (January)	14.6	+9.8	2 stations	52	[2] 9	Eagle	−54	26	3.49	+0.66	Chignik	15.45	Fort Yukon	0.44
Hawaii	68.5	+0.2	Kaanapali	92	3	Volcano Observatory	45	5	11.18	+4.75	Puohakamoa	57.36	Waiawa	0.41
Porto Rico	73.5	+0.1	San German	93	28	Guineo	47	17	2.43	−0.45	Totro Negro	5.70	Coamo	0.56

[1] For description of tables and charts, see REVIEW, January 1929, p. 36.

[2] Other dates also.

TABLE 1.—*Climatological data for Weather Bureau stations, February, 1929*

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.
New England							27.1	+1.7										77	3.60	+0.3										5.5		
Eastport	76	67	85	29.97	30.06	+0.08	23.7	+2.2	43	7	30	2	13	17	23	22	17	76	2.15	−1.2	11	6,278	nw.	36	ne.	21	8	4	16	6.6	14.2	1.0
Greenville, Me	1,070	6		28.85	30.08		15.8		43	18	26	−12	13	6	45				2.20		13		n.			8	13	6	9		21.8	
Portland, Me	103	82	117	29.98	30.10	+.08	26.2	+2.4	45	18	33	4	24	19	25	23	18	73	4.33	+0.3	13	4,667	n.	28	sw.	18	15	3	10	4.7	26.9	7.3
Concord	289	70	79	29.77	30.10	+.06	23.2	+0.4	53	18	34	−13	24	13	43				3.70	+0.8	10	2,944	nw.	23	sw.	18	9	9	10	5.1	32.0	13.1
Burlington	403	11	48	29.64	30.12	+.09	19.0	−0.4	44	18	27	−6	24	11	33				1.38	−0.2	11	4,686	s.	36	s.	26	3	7	18	7.4	13.8	5.6
Northfield	876	12	60	29.12	30.11	+.07	16.5	+0.1	47	18	28	−17	24	5	44	14	12	87	3.00	+0.8	11	3,746	n.	31	s.	26	4	11	13	6.8	32.3	18.5
Boston	125	115	188	29.94	30.08	+.04	31.7	+2.9	56	18	38	14	24	25	21	28	23	74	3.78	+0.4	12	5,584	nw.	27	se.	26	11	7	10	5.3	21.4	3.7
Nantucket	12	14	90	30.04	30.04	.00	33.2	+2.5	53	27	39	19	24	27	22	30	28	84	5.76	+2.4	12	8,352	nw.	42	e.	7	8	9	11	6.3	12.0	0.0
Block Island	26	11	46	30.02	30.06	.00	32.4	+2.0	48	18	37	18	13	28	21	30	26	78	3.28	−0.4	10	10,747	nw.	48	e.	21	12	8	8	4.8	4.2	0.3
Providence	160	215	251	29.90	30.08	+.03	31.3	+2.3	52	18	38	13	24	24	22	27	21	68	3.04	−0.6	13	6,874	n.	42	se.	7	13	6	9	4.9	12.2	1.6
Hartford	159	122		29.91	30.10	+.04	29.8	+2.6	53	18	37	8	5	22	26				4.73	+0.9	11		nw.				14	6	8	4.1	9.9	0.3
New Haven	106	74	153	29.98	30.10	+.03	30.8	+1.8	54	27	38	14	5	24	20	27	22	74	4.42	+0.4	11	5,642	n.	29	e.	7	11	9	8	4.6	8.4	0.0
Middle Atlantic States							33.5	+0.1										74	3.76	+0.6										5.6		
Albany	97	107	115	30.01	30.12	+.05	24.9	+0.8	54	18	33	−3	24	17	36	22	18	78	3.68	+1.2	9	3,947	nw.	17	sw.	18	12	9	7	4.8	18.8	6.0
Binghamton	871	10	84	29.14	30.10	+.02	24.3	+0.3	49	18	32	−3	23	17	41				2.31	0.0	9	3,259	nw.	15	w.	27	3	6	19	7.7	11.8	1.0
New York	314	414	454	29.75	30.10	+.02	33.4	+2.1	55	18	41	14	20	26	26	28	21	64	4.30	+0.5	7	9,516	nw.	40	nw.	1	8	10	10	5.6	9.0	0.0
Bellefonte, Pa	1,050	5	36	28.96	30.11		24.0		53	25	34	−3	5	14	44	21	17	78	2.28		8		w.				5	10	13	7.0	8.9	1.9
Harrisburg	374	94	104	29.71	30.13	+.04	30.9	+0.7	55	18	38	13	20	24	26	26	20	65	3.21	+0.2	9	4,101	nw.	26	nw.	1	6	15	7	5.6	11.6	0.0
Philadelphia	114	123	367	29.99	30.12	+.02	35.2	+1.3	58	18	42	17	20	28	29	31	25	70	4.24	+0.9	8	8,251	nw.	34	nw.	1	11	8	9	5.1	8.2	0.0
Reading	325	81	98	29.75	30.12		32.6		57	18	40	13	24	25	30	28	24	76	3.76	+0.3	7	4,114	nw.	23	se.	26	12	9	7	4.8	11.3	0.0
Scranton	805	111	119	29.22	30.11	+.03	28.3	+1.0	52	27	35	7	5	22	32	25	21	76	1.85	−1.2	8	4,055	n.	31	sw.	18	2	8	18	7.9	7.5	0.4
Atlantic City	52	37	172	30.04	30.10	−.01	35.0	+1.4	53	26	42	18	4	28	20	32	28	78	4.33	+1.0	12	9,889	nw.	45	e.	21	13	6	9	4.4	7.5	0.0
Cape May	17	13	49				35.3	+1.2	56	25	42	17	4	28	25	31	28	80	4.76	+1.5	13		nw.				9	8	11		9.3	0.0
Sandy Hook	22	10	55	30.07	30.10		32.4		52	18	38	17	23	27	18	29	25	78	3.72	0.0	7	9,264	nw.	38	ne.	21	9	10	9	4.9	6.6	0.0
Trenton	190	159	183	29.88	30.10		33.0		58	18	41	14	20	25	29	28	23	72	3.51	+0.2	7	6,245	nw.	26	ne.	7	10	9	9	5.2	7.9	0.0
Baltimore	123	100	215	29.98	30.11	.00	35.6	+0.2	63	18	43	19	2	28	27	30	24	65	3.45	+0.1	8	5,900	nw.	33	se.	26	13	6	9	4.7	11.2	0.0
Washington	112	62	85	30.00	30.12	+.01	35.0	−0.3	64	19	44	17	2	26	32	30	23	67	3.19	−0.1	9	3,897	nw.	27	nw.	1	13	6	9	5.1	7.0	0.0
Cape Henry	18	8	54	30.07	30.09		40.1		73	26	47	23	2	33	32	36	33	81	5.25	+2.0	11	8,083	n.	38	n.	20	8	7	13	6.1	3.9	0.0
Lynchburg	681	153	188	29.34	30.11	.00	38.2	−2.1	70	19	48	14	4	28	37	32	27	68	2.75	−0.4	10	3,873	w.	23	n.	20	13	5	10	5.1	7.6	0.0
Norfolk	91	170	205	30.02	30.12	+.01	41.3	−1.4	71	26	49	19	2	34	30	36	32	78	4.24	+1.0	12	7,377	n.	33	s.	26	10	4	14	5.9	2.9	0.0
Richmond	144	11	52	29.97	30.13	+.02	38.2	−1.4	67	26	48	16	2	29	32	33	29	77	5.19	+2.0	14	4,274	ne.	23	ne.	20	13	3	12	5.1	2.3	0.0
Wytheville	2,304	49	55	27.64	30.11	−.01	32.8	−2.3	65	26	42	10	2	24	34	29	24	75	3.93	+0.9	14	3,319	w.	27	sw.	26	10	5	13	6.1	17.3	0.0
South Atlantic States							46.9	−1.0										79	6.18	+2.5										6.4		
Asheville	2,253	70	84	27.67	30.10	−.03	37.8	−0.7	64	26	46	17	1	30	30	33	29	77	4.56	+1.4	13	5,699	se.	25	nw.	23	8	9	11	5.8	6.2	0.0
Charlotte	779	55	62	29.24	30.10	−.02	42.5	−1.4	73	26	51	23	2	34	28	37	33	74	8.58	+4.4	11	3,041	ne.	17	nw.	26	8	7	13	6.4	3.5	0.0
Greensboro	886	5	56	29.14	30.12		37.3		71	26	48	15	2	27	34	32	29	81	7.04		12	4,253	ne.	31	nw.	26	11	4	13	5.9	3.0	0.0
Hatteras	11	11	50	30.07	30.08	−.03	45.2	−2.2	70	26	51	27	2	39	25	42	40	85	7.07	+3.0	14	8,785	n.	34	n.	20	9	9	10	5.5	0.0	0.0
Raleigh	376	103	110	29.70	30.12	+.01	42.0	−1.2	73	28	51	19	2	33	29	37	34	81	6.99	+3.1	12	4,177	ne.	25	nw.	26	7	8	13	6.1	1.8	0.0
Wilmington	78	81	91	30.03	30.12	.00	47.3	−0.6	72	26	56	26	2	39	28	44	41	83	5.21	+2.0	13	3,881	n.	20	sw.	28	6	7	15	6.7	0.0	0.0
Charleston	48	11	92	30.03	30.08	−.04	51.1	−1.3	72	26	58	31	2	44	19	47	43	80	4.86	+1.9	12	6,070	ne.	24	ne.	5	5	6	17	7.1	0.0	0.0
Columbia, S. C	351	41	57	29.71	30.11	.00	46.3	−1.9	75	26	55	26	2	38	31	42	38	79	6.96	+3.2	10	3,734	ne.	23	sw.	28	7	6	15	6.5	T.	0.0
Due West	711	10	55	29.34	30.13		43.7		71	26	52	24	1	35	27				9.69		11	4,528	ne.	28	nw.	26	6	9	13	6.6	0.5	0.0
Greenville, S. C	1,039	139	146	28.96	30.08		42.8	−0.5	66	28	51	23	1	34	28	38	34	77	9.16	+4.0	12	4,498	ne.	30	w.	26	9	7	12	6.2	5.5	0.0
Augusta	182	62	77	29.88	30.08	−.04	49.0	−0.9	74	26	58	30	2	40	32	43	38	74	8.91	+4.8	13	2,944	nw.	20	nw.	21	6	9	13	6.6	0.0	0.0
Savannah	65	150	194	30.02	30.09	−.03	53.0	−1.0	78	26	61	33	2	45	26	48	44	81	4.38	+1.2	12	6,558	ne.	30	nw.	26	5	7	16	7.0	0.0	0.0
Jacksonville	43	209	245	30.02	30.07	−.05	59.1	+1.1	84	27	67	35	12	51	25	53	50	79	1.28	−1.7	5	7,075	ne.	43	sw.	28	4	11	13	6.6	0.0	0.0
Florida Peninsula							70.4	+3.9										81	1.12	−0.8										4.2		
Key West	22	10	64	30.00	30.02	−.05	74.0	+3.5	85	22	79	62	2	69	15	68	67	83	1.21	−0.1	4	5,828	se.	28	nw.	6	21	5	2	2.5	0.0	0.0
Miami	25	71	164	30.03	30.06	−.05	71.6	+4.5	82	28	77	47	14	66	28	66	64	81	0.44	−1.4	8	6,540	s.	23	s.	28	8	13	7	5.3	0.0	0.0
Tampa	35	79	87	30.01	30.05	−.05	65.6	+3.7	84	26	74	43	12	57	26	59	57	80	1.72	−0.8	7	3,835	ne.	18	e.	25	4	10	14	6.4	0.0	0.0
Titusville	44	5		30.00	30.05		64.0		86	9	72	39	2	56	29				0.75		5		nw.				16	10	2	2.6	0.0	0.0
East Gulf States							48.4	−2.8										76	7.09	+2.3										6.8		
Atlanta	1,173	190	216	28.82	30.08	−.04	43.6	−1.7	71	25	52	20	1	35	28	39	34	73	9.21	+4.4	13	6,676	nw.	26	nw.	21	5	8	15	6.6	T.	0.0
Macon	370	78	87	29.68	30.09	−.03	48.2	−1.1	74	25	58	26	1	38	31	42	37	73	12.04	+7.6	13	3,663	nw.	26	nw.	26	6	8	14	6.6	0.0	0.0
Thomasville	273	49	58	29.76	30.06	−.06	55.2	+0.2	78	9	65	30	12	45	30	49	45	76	3.71	−0.8	11	3,241	ne.	19	sw.	27	4	8	16	7.0	0.0	0.0
Apalachicola	36	42	49	30.02	30.06		56.2		71	27	62	34	12	50	22	53	50	83	6.30	+2.4	12	5,549	n.	24	ne.	6	4	8	16	7.1	0.0	0.0
Pensacola	56	149	185	30.00	30.06	−.05	53.2	−2.0	70	27	60	31	12	46	21	49	46	80	5.18	+0.8	12	8,347	n.	38	s.	26	4	6	18	6.8	0.0	0.0
Anniston	741	9	57	29.30	30.11	−.01	43.4	−2.4	72	25	53	20	1	34	33				7.15	+1.7	12	3,257	nw.	18	s.	25	8	6	14	6.4	0.0	0.0
Birmingham	700	11	48	29.31	30.10	−.02	44.2	−3.8	74	25	53	19	11	36	28	39	34	73	6.33	+1.3	12	3,994	n.	27	se.	25	9	3	16	6.4	0.0	0.0
Mobile	57	125	161	29.99	30.06	−.05	51.9	−2.8	75	19	60	29	12	43	27	47	43	79	9.13	+3.8	16	6,215	n.	27	nw.	20	3	7	18	7.2	0.0	0.0
Montgomery	223	100	112	29.83	30.09	−.03	49.0	−2.6	76	27	58	26	12	40	26	44	38	71	10.34	+4.9	10	3,981	ne.	25	w.	20	6	7	15	6.8	0.0	0.0
Corinth	469	6					40.2		71	25	49	17	10	32	31				5.22		11		n.				3	12	13		T.	0.0
Meridian	375	87	95	29.67	30.08	−.03	45.8	−3.8	76	25	55	22	11	36	31	41	37	76	5.75	+0.3	14	3,435	ne.	21	s.	25	6	6	16	6.8	0.0	0.0
Vicksburg	247	65	73	29.81	30.10	.00	44.5	−7.3	80	25	52	22	10	36	36	40	35	74	3.64	−1.2	13	3,998	n.	29	s.	25	5	6	17	7.1	T.	0.0
New Orleans	53	76	84	29.99	30.05	−.04	53.8	−3.5	80	19	62	32	12	46	29	49	46	80	6.26	+2.0	13	4,583	ne.	21	nw.	5	4	5	19	7.3	0.0	0.0
West Gulf States							44.1	−7.4										79	1.58	−0.9										6.6		
Shreveport	249	77	93	29.82	30.10	+.01	42.6	−8.3	74	25	51	22	10	35	30	39	34	76	2.54	−0.8	14	3,752	se.	24	sw.	25	9	5	14	6.4	T.	0.0
Bentonville	1,303	11	44	28.70	30.12	+.02	28.7	−9.8	52	25	37	−8	10	20	37				2.90		9		n.				11	2	15		15.5	0.0
Fort Smith	457	79	94	29.62	30.12	+.02	32.6	−10.2	63	17	40	3	10	26	32	30	26	80	2.66	+0.1	13	4,404	e.	31	w.	25	10	2	16	6.5	11.4	0.0
Little Rock	357	136	153	29.72	30.12	+.01	36.6	−8.3	69	25	44	13	10	29	26	32	27	72	2.38	−1.5	13	4,912	n.	26	s.	25	8	6	14	6.4	6.9	0.0
Austin	605	136	148	29.40	30.05		46.2	−7.2	76	18	56	20	9	36	35	42	39	82	0.82	−1.5	10	5,710	n.	27	n.	8	8	7	13	6.1	0.0	0.0
Brownsville	57	53	61	29.93	29.99		59.2	−3.4	81	25	68	33	11	50	34	54	52	83	0.27	−0.9	5	6,646	nw.	31	s.	24	4	13	11	6.8	0.0	0.0
Corpus Christi	20	11	78	29.99	30.01	−.04	53.5	−4.9	81	25	61	27	10	46	33	51	49	86	0.06	−1.4	4	7,118	n.	29	n.	15	5	7	16	7.1	0.0	0.0
Dallas	512	220	227	29.54	30.11		37.7		69	17	44	12	9	31	28				1.75	−0.5	12	7,562	n.	31	w.	25	7	5	16	6.7	2.0	0.0
Fort Worth	670	106	114	29.36	30.09	+.02	39.0	−9.3	71	17	46	14	9	32	29	35	30	76	2.78	+1.0	12	5,014	nw.	24	w.	25	7	5	16	6.8	0.0	0.0
Galveston	54	106	114	29.99	30.05	−.02	51.0	−5.3	70	25	57	27	10	45	25	48	46	86	2.73	−0.1	10	6,805	n.	30	n.	8	6	5	17	6.9	0.0	0.0
Groesbeck	461	11	56	29.57	30.07		41.3		70	18	49	16	9	34	28				1.74	−1.1	11	6,707	n.	36	ne.	27	9	4	15	6.4	T.	0.0
Houston	138	292	314	29.90	30.05		49.0	−6.9	74	18	57	23	10	41	36				1.43	−1.8	9	7,848	nw.	33	n.	9	6	6	16	7.0	T.	0.0
Palestine	510	64	72	29.54	30.09	+.01	41.6	−9.6	69	18	50	17	9	34	30	38	35	80	1.59	−1.5	13	4,601	n.	21	s.	25	9	2	17	6.5	T.	0.0
Port Arthur	34	58	66	30.01	30.05		50.1		72	19	57	28	11	43	29				5.64		13	5,357	e.	25	nw.	8	5	5	18	7.3	0.0	0.0
San Antonio	693	119	132	29.29	30.03	−.02	50.0	−5.4	78	21	61	22	10	39	40	44	37	69	0.16	−1.5	5	4,953	ne.	24	n.	15	10	8	10	5.9	0.0	0.0
Taylor	583	55	63	29.47	30.10	+.04	43.6	−7.7	75	18	53	18	9	34	36				1.22	−0.9	6	5,505	n.	24	nw.	9	7	6	15	6.4	0.1	0.0

TABLE 1.—*Climatological data for Weather Bureau Stations, February, 1929*—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							31.1	−5.0										76	2.93	−0.4										6.6		
Chattanooga	762	190	215	29.27	30.11	−.02	40.8	−3.3	64	19	49	20	1	33	30	35	29	67	5.83	+1.0	13	4,188	ne.	25	nw.	22	7	7	14	6.4	T.	0.0
Knoxville	995	102	111	29.02	30.11	−.01	38.9	−3.0	61	18	46	20	2	31	31	35	31	77	5.75	+1.2	13	3,319	n.	21	sw.	19	6	8	14	6.7	1.6	0.0
Memphis	399	76	97	29.68	30.12	+.01	37.0	−7.3	68	25	43	15	10	31	22	33	27	73	3.48	−0.9	10	4,090	n.	42	w.	25	8	5	15	6.6	3.3	0.0
Nashville	546	168	191	29.54	30.14	+.02	35.4	−6.2	68	25	43	12	23	28	31	32	27	75	3.81	−0.3	13	4,769	nw.	33	s.	25	9	3	16	6.6	16.7	0.0
Lexington	989	193	230	29.04	30.16	+.05	29.2	−6.2	59	26	37	0	1	22	27	----	----	----	3.37	−0.2	12	6,777	sw.	36	sw.	26	9	7	12	5.8	13.5	0.0
Louisville	525	188	234	29.56	30.16	+.05	30.7	−6.5	60	26	38	4	1	23	24	27	23	76	2.16	−1.4	12	5,333	s.	25	sw.	26	7	12	9	5.8	4.7	0.0
Evansville	431	76	116	29.68	30.17	+.06	29.8	−6.5	56	25	37	0	10	23	21	26	21	71	3.26	0.0	11	4,837	n.	24	sw.	26	7	6	15	6.4	13.5	0.0
Indianapolis	822	194	230	29.21	30.13	+.03	25.6	−5.5	54	26	33	−5	1	18	25	23	18	75	1.47	−1.3	11	6,117	nw.	30	sw.	26	3	13	12	6.7	4.9	0.0
Royal Center	736	11	55	29.31	30.15	----	21.2	----	52	26	30	−14	1	12	29	----	----	----	0.48	−1.8	9	5,317	sw.	26	sw.	26	4	10	14	6.6	3.7	0.0
Terre Haute	575	96	129	29.49	30.14	----	26.7	----	56	26	35	−2	1	19	26	24	20	79	1.02	−1.6	10	4,994	nw.	22	s.	17	7	9	12	6.3	5.4	0.0
Cincinnati	627	11	51	29.44	30.15	+.05	27.8	−5.0	60	26	36	−5	1	20	25	25	22	83	1.58	−1.4	9	3,888	sw.	24	sw.	26	7	9	12	6.3	6.9	0.0
Columbus	822	179	222	29.22	30.14	+.05	26.2	−4.5	59	26	34	−2	1	18	28	24	21	84	3.36	+0.7	9	5,337	nw.	26	w.	27	6	11	11	6.4	10.3	0.0
Dayton	899	137	173	29.14	30.14	----	26.4	−5.0	58	26	34	−5	1	18	25	23	19	76	3.43	+0.7	11	4,745	sw.	28	sw.	26	4	13	11	6.7	10.1	0.0
Elkins	1,947	59	67	28.00	30.15	+.05	28.6	−3.0	59	26	38	−1	4	19	37	26	22	82	2.58	−0.5	15	3,236	w.	19	w.	19	3	6	19	7.8	12.9	T.
Parkersburg	637	77	82	29.47	30.15	+.05	30.2	−4.0	62	26	38	5	23	22	32	26	22	74	2.69	−0.4	11	2,998	sw.	20	se.	26	5	7	16	7.4	9.1	0.0
Pittsburgh	842	353	410	29.19	30.13	+.04	28.6	−3.7	58	26	35	3	20	22	20	25	21	74	2.62	0.0	9	5,976	w.	44	se.	26	2	7	19	8.0	10.0	0.5
Lower Lake Region							23.1	−1.8										80	1.58	−0.8										7.4		
Buffalo	767	247	280	29.22	30.09	+.03	22.4	−1.9	53	26	28	3	20	17	27	21	19	86	1.67	−1.3	21	9,331	w.	52	w.	27	2	9	17	7.7	15.7	T.
Canton	448	10	61	29.58	30.09	----	14.9	−3.1	45	27	24	−18	20	6	33	----	----	----	1.67	−0.6	16	4,652	w.	32	w.	18	8	9	11	5.9	22.1	7.0
Ithaca	836	5	100	29.15	30.10	----	22.6	----	46	18	30	−7	23	16	38	21	18	81	1.65	−0.3	15	5,520	nw.	42	se.	26	4	7	17	7.7	10.2	1.6
Oswego	335	76	91	29.72	30.10	+.04	23.6	−0.3	43	27	29	4	21	18	27	22	19	83	2.26	−0.4	15	6,111	se.	32	se.	26	1	4	23	8.6	37.9	10.5
Rochester	523	86	102	29.52	30.11	+.05	24.4	−0.2	49	26	30	5	20	19	31	22	18	75	1.46	−1.2	17	5,579	w.	26	w.	27	2	6	20	8.0	14.1	2.0
Syracuse	596	65	79	29.45	30.12	+.05	24.3	+0.5	46	18	30	4	20	18	27	----	----	----	1.98	−0.7	15	4,315	w.	20	se.	26	1	10	17	8.0	16.6	2.5
Erie	714	130	166	29.31	30.11	+.04	24.8	−2.1	55	26	31	−1	20	19	24	23	18	74	1.36	−1.2	13	7,603	sw.	37	se.	26	4	6	18	7.5	9.8	0.0
Cleveland	762	190	201	29.27	30.12	+.05	25.2	−2.2	57	26	31	1	20	19	23	23	19	78	1.98	−0.5	11	6,282	w.	31	se.	26	1	6	21	7.9	6.8	0.0
Sandusky	629	5	67	29.42	30.13	+.06	24.2	−3.2	58	26	32	−7	20	16	25	----	----	----	1.79	−0.4	11	4,890	sw.	30	sw.	26	3	8	17	7.4	14.6	0.0
Toledo	628	208	243	29.42	30.13	+.06	24.2	−3.1	55	26	31	−1	20	17	23	21	17	74	1.08	−1.0	8	7,007	sw.	40	sw.	26	6	8	14	6.6	7.5	0.0
Fort Wayne	856	113	124	29.16	30.12	----	23.1	−2.7	51	26	30	−2	20	16	29	21	18	82	0.73	−1.6	9	4,786	sw.	29	sw.	26	1	15	12	6.9	6.2	0.0
Detroit	730	218	258	29.29	30.12	+.06	23.2	−2.1	51	26	29	−1	20	17	22	21	19	85	1.36	−0.8	12	5,964	w.	32	w.	26	2	12	14	7.2	10.8	0.0
Upper Lake Region							14.9	−4.1										85	0.88	−1.0										6.4		
Alpena	609	13	92	29.41	30.11	+.08	14.6	−3.4	42	26	23	−21	20	6	35	12	9	83	0.91	−0.8	11	5,391	nw.	27	sw.	26	8	9	11	5.7	9.1	3.0
Escanaba	612	54	60	29.42	30.13	+.07	10.6	−4.8	35	26	20	−17	20	1	30	9	6	84	0.86	−0.6	10	4,695	n.	27	ne.	26	7	8	13	5.9	7.2	16.5
Grand Haven	632	54	89	29.39	30.12	+.07	19.7	−4.5	45	26	26	−3	20	13	26	18	16	87	0.72	−1.5	15	5,992	e.	30	sw.	26	3	8	17	7.7	11.2	5.8
Grand Rapids	707	70	87	29.31	30.12	+.07	20.6	−3.1	45	26	27	−9	20	14	29	19	15	79	0.66	−1.6	12	3,578	w.	18	w.	26	3	11	14	7.3	8.2	3.5
Houghton	668	64	99	29.35	30.12	+.07	7.4	−6.3	38	27	17	−21	13	−2	36	----	----	----	1.19	−0.6	7	4,498	w.	27	w.	15	6	10	12	6.5	11.5	21.6
Lansing	878	6	49	29.12	30.11	----	19.4	−3.5	43	26	27	−22	20	12	36	17	16	92	0.96	−0.9	16	3,336	w.	19	w.	26	4	14	10	6.4	8.0	2.2
Ludington	637	60	66	29.36	30.09	----	18.6	----	42	26	24	−2	20	13	20	18	16	87	1.17	−0.8	17	5,403	e.	32	s.	26	4	6	18	7.4	17.8	10.2
Marquette	734	77	111	29.27	30.12	+.07	12.5	−3.8	36	27	20	−14	19	5	22	10	8	85	1.16	−0.7	13	4,727	nw.	29	sw.	20	5	8	15	7.0	11.3	28.8
Port Huron	638	70	120	29.38	30.11	+.06	20.9	−1.8	48	26	27	−10	20	14	26	19	16	85	0.69	−1.2	10	5,746	nw.	29	w.	27	7	10	11	5.8	9.6	T.
Sault Sainte Marie	614	11	52	29.38	30.12	+.09	9.9	−2.7	36	26	18	−19	19	1	32	7	6	90	0.57	−1.4	11	3,966	nw.	29	nw.	18	4	12	12	6.2	4.8	11.0
Chicago	673	7	131	29.37	30.13	+.05	21.6	−4.7	47	26	28	−2	1	15	25	19	15	78	0.54	−1.6	11	5,653	w.	33	sw.	26	5	8	15	6.7	8.6	0.0
Green Bay	617	109	141	29.42	30.12	+.06	10.8	−6.6	37	26	20	−24	20	2	39	10	8	89	1.58	0.0	10	5,179	s.	29	sw.	26	8	6	14	6.3	16.0	18.1
Milwaukee	681	125	221	29.34	30.12	+.06	19.0	−3.8	42	27	26	−9	20	12	28	17	12	77	0.96	−0.9	11	7,687	nw.	37	w.	26	9	6	13	6.3	11.2	2.8
Duluth	1,133	5	47	28.83	30.12	+.04	6.8	−4.6	34	26	16	−26	19	−2	29	5	2	85	0.37	−0.7	8	6,829	nw.	34	nw.	21	9	8	11	5.2	4.2	11.0
North Dakota							3.4	−4.6										86	0.34	−0.2										6.1		
Moorhead	940	50	58	29.08	30.17	+.06	3.6	−4.5	33	26	13	−29	19	−6	35	3	1	90	0.47	−0.2	11	4,552	s.	20	s.	20	5	8	15	7.0	6.5	6.9
Bismarck	1,674	8	57	28.25	30.15	+.03	4.6	−5.7	33	23	16	−43	19	−6	44	3	1	84	0.32	−0.1	7	4,231	nw.	24	nw.	13	9	12	7	5.2	3.1	2.2
Devils Lake	1,478	11	44	28.46	30.14	+.03	1.4	−3.7	33	25	11	−29	19	−8	30	0	−2	90	0.12	−0.4	7	4,887	w.	22	nw.	20	7	9	12	5.7	1.9	2.0
Ellendale	1,457	10	56	28.49	30.15	----	3.9	----	31	20	14	−36	19	−6	36	----	----	----	0.32	−0.3	10	7,331	nw.	35	n.	16	5	10	13	6.6	4.1	3.5
Grand Forks	833	12	67	----	----	----	1.6	----	33	27	12	−28	19	−9	35	0	----	----	0.18	----	6	----	nw.	----	----	----	9	10	9	----	2.6	9.7
Williston	1,878	41	48	28.04	30.14	+.03	3.8	−4.3	33	25	14	−38	19	−6	58	3	0	82	0.46	0.0	6	3,961	w.	25	e.	15	9	7	12	5.8	5.1	6.2
Upper Mississippi Valley							17.9	−6.7										81	1.31	−0.3										6.6		
Minneapolis	918	102	208	29.09	30.13	----	10.5	−5.4	35	26	18	−20	19	3	37	----	----	----	1.05	+0.1	12	6,009	w.	26	s.	20	2	7	19	7.9	11.7	13.8
St. Paul	837	236	261	29.18	30.14	+.05	9.6	−6.2	34	26	17	−24	19	2	38	----	----	----	0.95	0.0	12	5,707	se.	27	nw.	17	2	8	18	7.7	12.2	14.0
La Crosse	714	11	48	29.33	30.15	+.07	11.6	−7.6	38	27	21	−27	20	2	42	10	6	80	1.18	+0.1	9	2,479	s.	15	s.	20	5	9	14	6.7	12.2	26.2
Madison	974	70	78	29.03	30.15	+.08	12.8	−6.3	38	27	20	−21	20	5	34	11	9	85	1.48	0.0	7	4,300	nw.	27	sw.	26	8	7	13	6.3	9.9	17.1
Wausau	1,247	4	64	----	30.12	----	9.0	----	35	27	18	−27	20	0	37	----	----	----	1.30	+0.1	9	2,981	n.	18	ne.	26	7	9	12	----	12.7	14.0
Charles City	1,015	10	51	29.02	30.16	+.06	9.1	−8.0	32	23	19	−28	20	−1	43	9	7	90	1.73	+0.6	10	3,508	se.	19	se.	20	8	7	13	6.5	20.7	26.5
Davenport	606	71	79	29.45	30.15	+.05	18.1	−6.8	43	23	26	−11	20	10	34	16	13	85	0.81	−0.8	9	5,589	w.	30	sw.	26	8	9	11	6.2	5.4	0.2
Des Moines	861	84	97	29.20	30.16	+.05	15.2	−8.5	43	23	24	−13	9	7	30	14	12	88	2.06	+0.9	15	3,974	n.	19	sw.	22	8	7	13	6.2	19.1	9.8
Dubuque	700	81	96	29.35	30.15	+.06	14.0	−8.2	39	27	23	−24	20	5	40	13	9	80	1.00	−0.4	9	3,306	nw.	19	nw.	18	8	2	18	7.0	8.0	8.8
Keokuk	614	64	78	29.46	30.17	+.06	21.4	−6.9	52	23	30	−6	9	13	39	18	13	74	0.97	−0.6	11	4,299	e.	24	sw.	26	7	7	14	6.4	5.8	T.
Cairo	358	87	93	29.75	30.15	+.03	31.4	−7.1	60	25	38	5	10	24	22	28	24	76	4.20	+1.1	8	5,348	n.	27	sw.	26	7	8	13	6.3	11.5	0.0
Peoria	609	11	45	29.46	30.16	+.06	21.2	−4.7	50	24	30	−9	1	13	28	19	16	84	0.58	−1.4	9	4,000	nw.	23	w.	26	9	8	11	5.5	4.1	0.0
Springfield, Ill	636	154	191	29.43	30.14	+.04	23.8	−5.7	53	24	32	−4	9	16	27	21	17	79	0.65	−1.7	8	6,717	nw.	31	s.	16	6	6	16	6.8	3.6	0.0
Hannibal	534	74	109	29.56	30.16	+.05	23.4	−6.3	55	17	32	−6	10	15	38	----	----	----	0.84	−1.0	9	5,041	sw.	28	sw.	25	7	7	14	6.4	3.9	0.0
St. Louis	568	265	303	29.51	30.14	+.03	28.8	−5.7	58	24	37	4	9	21	28	25	19	72	0.88	−1.7	10	6,122	nw.	33	sw.	23	8	8	12	6.1	5.7	0.0
Missouri Valley							18.8	−7.1										81	1.15	0.0										6.2		
Columbia, Mo	784	6	84	29.29	30.16	+.05	25.4	−6.3	56	17	34	−5	10	17	36	----	----	----	1.03	−1.0	9	4,539	e.	23	sw.	16	7	6	15	6.4	3.5	0.0
Kansas City	963	161	181	29.06	30.15	+.04	24.0	−7.2	52	23	32	−5	9	16	40	21	16	75	1.79	0.0	14	5,958	n.	30	n.	17	6	11	11	6.0	10.2	0.0
St. Joseph	967	11	49	29.06	30.14	----	21.8	----	50	23	30	−10	9	14	37	19	15	80	1.57	+0.2	13	4,762	nw.	24	nw.	17	10	7	11	5.2	7.7	T.
Springfield, Mo	1,324	98	104	28.67	30.13	+.02	26.5	−8.7	55	17	34	−3	10	19	28	24	22	85	1.55	−0.8	9	5,410	nw.	24	s.	26	10	2	16	6.1	9.8	0.0
Iola	984	11	50	29.05	30.16	+.06	26.8	−6.4	55	23	36	−4	10	18	35	----	----	----	0.77	−0.9	5	3,520	n.	19	s.	23	10	5	13	6.1	4.4	0.0
Topeka	987	92	107	----	----	----	23.4	−7.6	53	23	32	−7	9	15	37	----	----	----	1.26	−0.2	11	5,268	n.	27	n.	17	7	11	10	5.6	6.5	0.0
Lincoln	1,189	11	81	28.82	30.15	+.05	19.2	−6.9	51	23	28	−13	9	11	40	16	12	77	1.06	+0.1	8	5,591	n.	28	nw.	10	7	7	14	6.3	11.3	0.6
Omaha	1,105	115	122	28.91	30.16	+.05	18.6	−6.9	49	23	27	−11	9	10	38	16	12	78	2.20	+1.3	10	5,136	nw.	26	nw.	17	10	5	13	5.8	21.9	5.9
Valentine	2,598	47	54	27.29	30.15	+.06	14.2	−7.2	44	23	26	−22	8	2	42	12	9	83	1.03	+0.5	11	4,929	w.	28	nw.	10	4	19	5	5.6	14.2	0.4
Sioux City	1,135	94	164	28.88	30.17	+.05	13.5	−7.5	43	23	23	−15	9	4	41	13	11	86	1.00	+0.2	12	6,538	nw.	32	nw.	16	6	10	12	6.5	9.8	3.1
Huron	1,306	59	74	28.69	30.18	+.06	8.2	−6.1	36	20	19	−29	19	−2	38	8	5	82	0.51	0.0	9	5,305	nw.	24	nw.	16	4	8	16	7.2	6.9	6.0
Pierre	1,572	70	75	----	30.18	+.07	12.0	−6.6	40	23	23	−22	19	1	39	----	----	80	0.59	+0.2	10	4,721	nw.	25	nw.	16	6	9	13	----	5.9	0.5
Yankton	1,233	49	57	28.75	30.14	+.02	13.2	−7.7	39	27	23	−18	8	4	45	----	----	----	0.63	−0.2	11	4,691	nw.	25	nw.	16	4	9	15	7.1	7.0	1.7

TABLE 1.—*Climatological data for Weather Bureau stations, February, 1929*—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							**13.8**	**−8.0**										**78**	**0.68**	**0.0**										**6.2**		
Billings	3,140	5					14.9		45	23	27	−30	7	3	43				0.63		9		sw.				12	6	10		10.6	6.8
Havre	2,505	11	44	27.39	30.18	+0.11	8.2	−5.4	37	15	19	−36	18	−3	61	8	6	86	0.23	−0.3	5	4,497	sw.	31	sw.	19	5	12	11	6.2	5.1	2.8
Helena	4,110	87	112	25.77	30.16	+.05	16.0	−7.0	40	15	25	−20	7	8	35	14	10	76	1.00	+0.4	10	4,307	sw.	31	sw.	15	2	9	17	7.5	15.4	8.7
Kalispell	2,973	48	56	26.96	30.18	+.10	14.6	−8.7	38	24	24	−17	7	5	25	13	11	84	1.02	−0.1	11	2,453	nw.	19	ne.	16	6	12	10	6.0	10.5	20.0
Miles City	2,371	48	55	27.50	30.20	+.11	8.8	−8.0	39	15	20	−33	7	−2	55	8	5	85	0.38	−0.1	10	3,409	s.	24	nw.	15	8	4	16	6.3	5.0	7.0
Rapid City	3,259	50	58	26.56	30.17	+.09	14.9	−8.5	44	23	25	−20	6	5	39	12	6	69	0.49	0.0	7	4,199	n.	27	n.	9	6	15	7	5.6	5.7	0.5
Cheyenne	6,088	84	101	23.84	30.07	+.04	17.2	−10.1	47	1	27	−15	8	7	39	14	8	66	0.85	+0.2	12	7,625	w.	44	w.	20	8	5	15	6.6	10.6	1.5
Lander	5,372	60	68	24.53	30.14	+.06	12.2	−10.3	40	16	24	−23	7	0	42	10	8	87	0.68	0.0	6	2,027	e.	23	nw.	16	9	13	6	5.0	8.5	8.0
Sheridan	3,790	10	47	26.05	30.14		13.2		44	3	26	−32	7	0	49	12	7	72	0.91	+0.2	12	3,054	nw.	24	nw.	27	6	9	13	6.4	13.5	6.0
Yellowstone Park	6,241	11	48	23.76	30.15	+.05	13.7	−5.9	39	2	23	−27	7	5	31	11	7	78	0.77	−0.6	16	4,321	sw.	26	sw.	20	4	7	17	7.2	8.3	13.9
North Platte	2,821	11	51	27.06	30.12	+.05	18.7	−7.9	51	4	30	−15	9	8	36	16	12	77	0.44	−0.1	6	4,337	n.	20	nw.	20	8	11	9	5.3	4.5	T.
Middle Slope							**25.8**	**−8.0**										**74**	**0.85**	**−0.1**										**5.5**		
Denver	5,292	106	113	24.61	30.06	+.05	23.6	−9.1	53	3	34	−9	8	13	40	18	11	64	0.78	+0.2	10	4,503	s.	25	w.	20	12	10	6	4.7	15.2	0.8
Pueblo	4,685	80	86	25.19	30.02	+.02	25.8	−7.1	60	23	40	−13	8	12	47	21	13	64	0.78	+0.3	8	3,943	nw.	33	w.	16	11	7	10	4.9	10.2	0.1
Concordia	1,392	50	58	28.62	30.17	+.08	22.6	−7.2	58	23	32	−10	9	14	42	19	15	78	0.94	+0.1	11	4,532	n.	22	nw.	10	11	4	13	5.9	8.8	0.3
Dodge City	2,509	11	51	27.43	30.15	+.09	24.4	−8.8	56	23	35	−12	9	14	40	20	17	82	0.72	0.0	5	5,143	n.	22	se.	1	15	3	10	4.5	9.1	T.
Wichita	1,358	139	158	28.63	30.12	+.04	27.4	−7.0	55	17	35	−2	9	20	32	24	21	79	0.65	−0.6	9	6,364	s.	40	sw.	23	11	7	10	5.4	5.5	0.0
Broken Arrow	765	11	56	29.29	30.14		29.2		60	17	37	−3	10	21	35				1.13	−0.2	9	6,497	n.	29	s.	23	10	2	16	6.4	11.9	0.0
Oklahoma City	1,214	10	47	28.79	30.12	+.05	30.8	−8.8	58	17	39	0	9	23	35	27	24	80	0.93	−0.2	9	5,610	n.	23	s.	24	9	3	16	6.8	4.9	0.0
Southern Slope							**39.4**	**−6.6**										**66**	**0.60**	**−0.1**										**5.3**		
Abilene	1,738	10	52	28.21	30.07	+.02	39.0	−8.2	77	17	49	10	9	29	41	33	28	74	1.40	+0.4	8	5,374	n.	27	s.	24	8	9	11	6.7	0.5	0.0
Amarillo	3,676	10	49	26.21	30.05	+.03	30.6	−7.5	66	24	41	2	9	20	38	24	18	66	0.34	−0.4	4	5,202	n.	22	ne.	21	11	5	12	5.5	5.6	0.0
Del Rio	944	64	71	29.00	30.00	.00	50.6	−5.4	77	18	62	21	9	40	42	43	35	63	0.18	−0.4	5	5,295	se.	31	nw.	25	11	9	8	5.2	0.0	0.0
Roswell	3,566	75	85	26.30	29.99	+.01	37.4	−5.1	69	18	52	0	10	23	47	30	22	59	0.46	−0.1	4	4,177	s.	31	nw.	20	15	7	6	3.8	5.2	0.0
Southern Plateau							**41.3**	**−3.5**										**44**	**0.41**	**−0.2**										**3.2**		
El Paso	3,778	152	175	26.12	29.94	−.01	46.8	−2.2	70	18	58	18	9	35	35	36	21	40	0.29	−0.1	2	7,876	w.	44	w.	24	19	6	3	3.0	1.1	0.0
Santa Fe	7,013	38	53	23.09	29.96	−.02	27.2	−5.9	49	23	37	−3	9	17	29	22	13	58	0.97	+0.2	6	3,621	n.	20	n.	20	11	9	8	4.5	11.4	1.0
Flagstaff	6,907	10	59	23.22	29.94	−.06	24.4	−6.4	51	22	38	−21	9	11	45				1.20		5		nw.		ne.	26	15	6	7		11.0	T.
Phoenix	1,108	10	107	28.80	29.97	−.02	53.0	−2.1	80	23	66	28	10	40	40	42	28	44	0.28	−0.5	4	3,699	e.	26	nw.	24	14	8	6	3.6	0.0	0.0
Yuma	141	9	54	29.86	30.01	+.01	55.0	−3.6	85	23	70	33	14	40	43	43	23	33	T.	−0.4	0	3,919	n.	40	nw.	15	21	7	0	1.7	0.0	0.0
Independence	3,957	6	27	25.97	30.06	.00	41.4	−0.8	68	27	55	15	9	27	42	30			0.49	−0.3	3		nw.				18	7	3		0.0	0.0
Middle Plateau							**27.1**	**−6.3**										**68**	**0.88**	**−0.2**										**4.7**		
Reno	4,532	74	81	25.49	30.14	+.06	31.9	−3.7	59	22	44	−6	8	20	36	27	20	61	1.08	−0.1	6	3,113	w.	26	se.	3	16	6	6	3.6	9.2	0.0
Tonopah	6,090	12	20				28.4		49	22	36	−1	8	21	25	25	18	65	0.10		4		nw.									
Winnemucca	4,344	18	56	25.66	30.16	+.07	29.2	−4.3	54	22	42	0	8	17	40	25	20	70	0.58	−0.3	7	4,382	sw.	21	nw.	25	11	15	2	4.0	0.5	0.0
Modena	5,473	10	43	24.55	30.04	.00	23.8	−7.2	52	22	36	−24	9	11	53	21	15	69	0.59	−0.4	6	5,348	sw.	34	nw.	27	10	9	9	4.6	8.9	0.0
Salt Lake City	4,360	163	203	25.61	30.10	+.02	27.2	−6.6	50	2	34	3	9	21	21	24	18	68	1.34	−0.2	10	3,853	nw.	30	ne.	7	9	5	14	6.0	13.2	1.9
Grand Junction	4,602	60	68	25.34	30.02	−.02	23.3	−9.7	45	3	33	−12	10	13	35	20	16	74	0.79	+0.2	8	2,497	nw.	18	nw.	5	11	8	9	5.3	8.5	0.0
Northern Plateau							**22.3**	**−10.7**										**75**	**0.50**	**−1.0**										**6.0**		
Baker	3,471	48	53	26.52	30.24	+.12	20.2	−8.8	42	28	30	−15	7	10	31	19	15	75	0.15	−1.1	5	3,753	se.	19	nw.	25	8	12	8	5.4	2.2	5.6
Boise	2,739	78	86	27.28	30.25	+.13	25.4	−9.4	47	3	34	−1	7	17	26	23	19	76	0.63	−0.8	8	2,510	nw.	19	n.	25	7	9	12	6.2	3.8	0.0
Lewiston	757	40	48	29.41	30.27	+.16	21.4	−15.6	50	27	29	−15	8	13	25				1.00	−0.3	10	1,742	e.	16	nw.	27	7	6	15	6.3	8.8	T.
Pocatello	4,477	60	68	25.46	30.15	+.05	20.9	−8.0	44	2	28	−12	9	14	24	18	14	74	0.74	−0.5	9	5,282	se.	36	sw.	20	5	12	11	6.1	9.3	T.
Spokane	1,929	101	110	28.10	30.24	+.15	21.4	−9.9	44	25	31	−12	8	12	30	20	15	75	0.09	−1.7	3	2,617	sw.	18	sw.	19	9	10	9	5.6	2.8	0.5
Walla Walla	991	57	65	29.16	30.28	+.17	24.7	−12.4	49	24	31	−10	8	18	29	22	18	75	0.39	−1.4	8	2,353	s.	21	w.	25	8	7	13	6.4	5.9	0.0
North Pacific Coast Region							**37.8**	**−4.0**										**75**	**0.97**	**−4.0**										**5.8**		
North Head	211	11	56	30.01	30.24	+.18	39.8	−3.2	48	23	44	26	7	35	18	38	36	86	1.25	−6.2	12	6,338	n.	42	s.	22	10	6	12	5.4	0.0	0.0
Port Angeles	29	8	53		30.24		36.0		51	19	43	19	6	29	21				0.91	−2.1	7	3,804	sw.	28	nw.	19	6	6	16		4.0	0.0
Seattle	125	215	250	30.08	30.22	+.16	36.2	−4.9	50	20	42	18	7	31	21	35	32	83	1.10	−2.8	9	4,184	ne.	38	sw.	19	8	7	13	6.5	7.0	0.0
Tacoma	194	172	201	30.01	30.22	+.16	35.6	−5.0	52	25	42	15	8	29	23				0.74	−4.0	10	4,664	s.	31	ne.	6	4	10	14	7.1	5.0	0.0
Tatoosh Island	86	9	53	30.10	30.20	+.20	40.5	−0.5	46	14	43	32	1	38	9	38	35	84	1.64	−7.8	10	8,949	e.	42	nw.	24	9	7	12	5.3	T.	0.0
Yakima	1,076	58	67	29.06	30.27		23.4		51	28	34	−11	9	13	35	21	15	71	0.01	−1.0	1	2,123	se.	22	nw.	25	7	12	9	5.4	0.2	T.
Medford	1,425	4	80	28.64	30.18		38.3		63	28	52	13	7	25	38	33	26	65	0.24		6		se.	22	se.	8	14	6	8	4.4	T.	0.0
Portland, Oreg.	153	68	106	30.09	30.26	+.18	35.6	−6.5	52	20	42	16	9	29	22	33	26	67	0.97	−4.4	8	3,343	e.	24	e.	6	7	5	16	6.6	0.3	0.0
Roseburg	510	75	99	29.66	30.23	+.13	39.4	−4.0	60	21	50	16	7	29	35	36	31	72	1.11	−3.4	8	1,898	nw.	25	n.	25	7	14	7	5.4	T.	0.0
Middle Pacific Coast Region							**48.5**	**−1.4**										**66**	**1.69**	**−2.2**										**3.5**		
Eureka	62	73	89	30.12	30.19	+.08	44.8	−2.4	60	3	51	29	7	38	22	42	39	78	2.06	−4.4	6	3,705	n.	26	n.	6	11	6	11	4.9	0.0	0.0
Red Bluff	330	54	58	29.75	30.12	+.01	48.3	−1.1	74	28	60	26	11	36	37	40	28	49	2.21	−1.7	5	3,979	nw.	28	se.	3	16	8	4	3.6	0.0	0.0
Sacramento	69	106	117	30.02	30.10	+.01	49.0	−1.1	74	28	59	28	8	39	32	45	39	70	1.44	−1.6	6	4,855	nw.	28	se.	3	21	4	3	2.3	0.0	0.0
San Francisco	155	208	243	29.94	30.11	+.01	51.8	−0.4	72	28	59	35	7	45	25	45	39	66	2.14	−1.7	5	4,844	w.	34	w.	25	14	8	6	3.6	0.0	0.0
San Jose	141	12	110	29.96	30.11		48.8	−1.8	72	28	61	26	9	37	34				0.61	−1.8	5	3,846	nw.	26	nw.	23	18	4	6	3.0	0.0	0.0
South Pacific Coast Region							**52.3**	**−1.6**										**66**	**1.30**	**−0.9**										**3.2**		
Fresno	327	89	98	29.75	30.11	+.03	49.3	−1.8	69	22	60	29	7	39	27	43	35	62	0.62	−0.8	3	3,288	nw.	28	nw.	26	20	6	2	2.3	0.0	0.0
Los Angeles	338	159	191	29.70	30.07	+.01	54.4	−1.1	79	22	62	38	9	46	29	46	38	59	2.15	−0.9	6	3,570	ne.	24	nw.	26	17	6	5	3.3	0.0	0.0
San Diego	87	62	70	29.97	30.07	+.01	53.2	−1.9	72	22	61	38	9	46	26	49	45	77	1.14	−0.9	6	3,605	e.	25	s.	1	15	5	8	4.1	0.0	0.0
West Indies																																
San Juan, P. R.	82	9	54	29.93	30.02		75.0	+0.1	85	5	81	66	5	69	19				1.30	−1.2	16	7,628	e.	31	e.	27	8	19	1	4.4	0.0	0.0
Panama Canal																																
Balboa Heights	118	7	97	[1] 29.75	[2] 29.83	−.03	80.3	0.0	92	9	90	68	7	71	22	71	70	[2] 73	0.02	−0.8	1	6,342	nw.	30	n	23	19	9	0	3.1	0.0	0.0
Cristobal	38	7	97	[1] 29.83	[2] 29.86	−.03	81.4	+0.6	88	28	87	70	8	76	17	73	71	[2] 75	0.56	−1.0	9	9,239	n.	28	n.	12	9	19	0	3.9	0.0	0.0
Alaska																																
Juneau	80	11	50	30.01	30.10		31.1		42	28	34	11	2	28	11	30	28	86	7.24		22	3,669	se.	24	e.	23	2	3	23	8.6	21.9	T.
Hawaiian Islands																																
Honolulu	38	86	100	[1] 29.97	[1] 30.01		71.6		80	26	76	61	11	67	16	64	61	71	2.43	−1.3	12	5,420	e.	25	e.	17	9	12	7	5.1	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, 1929*

Station	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				23.0		29.4	16.6	39	3	3.78		17.1
Sydney, C. B. I	48	29.98	30.03	+0.11	21.0	+1.7	29.9	12.2	43	−5	3.89	−0.20	16.5
Halifax, N. S	88	29.95	30.06	+.11	24.9	+2.5	33.1	16.8	47	0	2.57	−2.59	8.6
Yarmouth, N. S	65	29.91	29.98	−.01	27.2	+1.4	33.2	21.2	45	12	4.61	+0.44	26.7
Charlottetown, P. E. I	38	29.94	29.98	+.03	19.9	+2.3	25.3	14.4	39	−5	2.93	−0.13	21.6
Chatham, N. B	28	29.94	29.98	+.02	13.6	+1.1	25.6	1.7	38	−27	1.30	−1.86	13.0
Father Point, Que	20												
Quebec, Que	296	29.75	30.10	+.11	15.2	+3.4	21.6	8.9	39	−11	2.10	−1.17	20.3
Doucet, Que	1,236				1.3		14.2	−11.5	32	−47	1.60		16.0
Montreal, Que	187	29.86	30.08	+.06	17.2	+2.7	23.3	11.2	41	−5	2.19	−0.88	21.5
Ottawa, Ont	236	29.83	30.12	+.10	15.3	+3.6	24.8	5.9	40	−13	1.37	−1.32	12.9
Kingston, Ont	285												
Toronto, Ont	379	29.68	30.11	+.07	21.9	+0.4	28.1	15.7	43	−3	1.49	−1.12	13.3
Cochrane, Ont	930				2.7		12.4	−7.0	28	−35	0.74		7.4
White River, Ont	1,244												
London, Ont	808				19.9		27.3	12.5	45	−20	3.93		35.3
Southampton, Ont	656	29.35	30.10	+.08	15.5	−4.4	23.5	7.6	42	−7	2.78	−0.12	26.2
Parry Sound, Ont	688	29.37	30.11	+.10	11.8	−2.5	20.5	3.2	38	−22	1.97	−0.95	17.6
Port Arthur, Ont	644	29.37	30.12	+.07	6.1	−0.3	15.4	−3.1	33	−24	0.36	−0.54	3.6
Winnipeg, Man	760												
Minnedosa, Man	1,690	28.18	30.13	+.04	−2.1	+0.6	7.7	−11.8	29	−34	0.14	−0.47	1.4
Le Pas, Man	860				−3.5		8.4	−15.3	49	−34	0.53		5.3
Qu'Appelle, Sask	2,115	27.71	30.11	+.03	0.2	+0.8	10.0	−9.6	34	−35	0.58	−0.15	5.8
Moose Jaw, Sask	1,759				2.9		13.0	−7.3	38	−36	0.80		8.0
Swift Current, Sask	2,392	27.41	30.10	+.03	3.1	−4.9	14.2	−7.9	35	−38	0.54	−0.20	5.4
Medicine Hat, Alb	2,144												
Calgary, Alb	3,428												
Banff, Alb	4,521												
Prince Albert, Sask	1,450	28.47	30.16	+.07	−1.2	+1.8	9.5	−12.0	41	−41	0.56	−0.13	5.6
Battleford, Sask	1,592	28.27	30.13	+.04	1.6	+1.5	11.5	−8.2	38	−35	0.42	+0.05	4.2
Edmonton, Alb	2,150												
Kamloops, B. C	1,262												
Victoria, B. C	230	29.95	30.21	+.21	37.5	−2.0	41.9	33.1	49	24	1.03	−3.07	T.
Barkerville, B. C	4,180												
Estevan Point, B. C	20												
Prince Rupert, B. C	170												
Hamilton, Ber	151												

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White River, Ont	1,244	28.55	29.96	−.05	−8.6	−8.2	5.6	−22.8	20	−50	2.05	+0.36	20.5
Southampton, Ont	656	29.22	29.96	−.07	19.0	−1.4	25.3	12.8	42	−5	4.94	+0.89	43.6
Winnipeg, Man	760	29.29	30.20	+.09	−10.0	−3.2	−2.5	−17.5	17	−30	0.49	−0.39	4.9
Minnedosa, Man	1,690	28.20	30.17	+.07	−11.9	−4.7	−1.5	−22.4	12	−40	0.90	+0.10	9.0
Le Pas, Man	860				−16.1		−7.8	−24.3	10	−38	0.15		1.5
Swift Current, Sask	2,392	27.43	30.14	+.05	−3.2	−6.3	7.4	−13.8	37	−45	1.81	+1.17	17.4
Medicine Hat, Alb	2,144	27.71	30.10	+.03	2.8	−2.7	12.9	−7.2	46	−43	0.22	−0.35	2.2
Calgary, Alb	3,428	26.37	30.17	+.14	6.2	−2.2	16.3	−3.8	54	−45	0.47	−0.06	4.7
Banff, Alb	4,521	25.29	30.15	+.15	4.3	−7.8	13.3	−4.6	43	−50	0.34	−0.85	3.4
Prince Albert, Sask	1,450	28.54	30.26	+.17	−14.7	−6.3	−3.6	−25.7	22	−50	0.41	−0.56	4.1
Battleford, Sask	1,592	28.34	30.22	+.14	−9.1	−3.2	1.1	−19.2	39	−45	0.31	−0.09	3.1

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